



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

FCC ID TEST REPORT

TEST REPORT NUMBER : CNB3111129-05081-E



CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao,
Guangzhou, China.



| | |
|---|--|
| TEST REPORT For FCC ID | |
| 47 CFR PART 15 OCT, 2010 | |
| Report Reference No. | CNB3111129-05081-E |
| Date of issue | 12 Dec. ~15 Dec. 2011 |
| Testing Laboratory Name CETRE OF TESTING SERVICE CO., LTD. | |
| Address | Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China. |
| Testing location/ procedure | Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/> |
| Applicant's name | NINGBO FOREVER ELECTRONIC APPLIANCE CO., LTD. |
| Address | NO.375, NINGCHUAN ROAD, NINGBO, ZHEJIANG, CHINA |
| Test specification | |
| Standard | 47 CFR PART 15 OCT, 2010; ANSI C63.4-2009 |
| Test Report Form No. | CTSEMC-1.0 |
| TRF Originator | CENTRE OF TESTING SERVICE CO., LTD. |
| Master TRF | Dated 2009-01 |
| CENTRE OF TESTING SERVICE CO., LTD. All rights reserved. This publication may be reproduced in whole or in part for non-commercial purposes as long as the CENTRE OF TESTING SERVICE CO., LTD is acknowledged as copyright owner and source of the material. CENTRE OF TESTING SERVICE CO., LTD takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context. | |
| Test item description MATTRESS INFLATION AIR PUMP | |
| Trade Mark | / |
| Manufacturer | NINGBO FOREVER ELECTRONIC APPLIANCE CO., LTD. |
| Model/Type reference | AMAS-2618 |
| Ratings | DC 3V By Battery |
| Operating Frequency | 2402MHz/ FSK |
| Result | Positive |

Compiled by:

Violet Lee / File administrators

Supervised by:

Tom Xiao / Technique principal

Approved by:

Vincent yao / Manager

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



FCC ID -- T E S T R E P O R T

| | |
|--|--------------------------------------|
| Test Report No. : CGZ311103-00923-E | <u>15 Dec. 2011</u> Date of issue |
|--|--------------------------------------|

| | |
|--------------------------------|---|
| Type / Model..... | AMAS-2618 |
| EUT..... | MATTRESS INFLATION AIR PUMP |
| Applicant..... | NINGBO FOREVER ELECTRONIC APPLIANCE CO., LTD. |
| Address..... | NO.375, NINGCHUAN ROAD, NINGBO, ZHEJIANG, CHINA |
| Telephone..... | +86-574-87801335 |
| Fax..... | +86-574-87803309 |
| Contact..... | MR. SHEN |
| Manufacturer..... | NINGBO FOREVER ELECTRONIC APPLIANCE CO., LTD. |
| Address..... | NO.375, NINGCHUAN ROAD, NINGBO, ZHEJIANG, CHINA |
| Telephone..... | +86-574-87801335 |
| Fax..... | +86-574-87803309 |
| Contact..... | MR. SHEN |
| Test report holder..... | NINGBO FOREVER ELECTRONIC APPLIANCE CO., LTD. |
| Address..... | NO.375, NINGCHUAN ROAD, NINGBO, ZHEJIANG, CHINA |
| Telephone..... | +86-574-87801335 |
| Fax..... | +86-574-87803309 |
| Contact..... | MR. SHEN |

| |
|--|
| Test Result according to the standards on page 3: 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.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



TABLE OF CONTENTS

| Description | Page |
|---|------|
| 1.TEST STANDARDS..... | 5 |
| 2.SUMMARY..... | 5 |
| 2.1 GENERAL REMARKS..... | 5 |
| 2.2 FINAL ASSESSMENT | 5 |
| 3.EQUIPMENT UNDER TEST | 5 |
| 3.1 POWER SUPPLY SYSTEM UTILISED | 5 |
| 3.2 SHORT DESCRIPTION OF THE EQUIPMENT UNDER TEST (EUT) | 5 |
| 3.3 EUT OPERATION MODE | 5 |
| 3.4 EUT CONFIGURATION | 6 |
| 4.TEST ENVIRONMENT..... | 7 |
| 4.1 ADDRESS OF THE TEST LABORATORY | 7 |
| 4.2 TEST FACILITY | 7 |
| 4.3 ENVIRONMENTAL CONDITIONS | 7 |
| 4.4 DEFINITIONS OF SYMBOLS USED IN THIS TEST REPORT | 7 |
| 4.5 STATEMENT OF THE MEASUREMENT UNCERTAINTY | 7 |
| 4.6 MEASUREMENT UNCERTAINTY..... | 8 |
| 5.SUMMARY OF STANDARDS AND RESULTS..... | 8 |
| 5.1.DESCRPTION OF STANDARDS AND RESULTS | 8 |
| 6.RADIATED DISTURBANCE (ELECTRIC FIELD) | 9 |
| 6.1.TEST EQUIPMENT..... | 9 |
| 6.2.BLOCK DIAGRAM OF TEST SETUP | 9 |
| 6.3.RADIATED EMISSION LIMIT : | 10 |
| 6.4.TEST PROCEDURE | 11 |
| 6.5.RADIATED EMISSION TEST RESULTS | 11 |
| 8.BAND EDGE COMPLIANCE TEST..... | 19 |
| 8.1. TEST EQUIPMENT..... | 19 |
| 8.2. TEST INFORMATION..... | 19 |
| 8.3. TEST PROCEDURE..... | 19 |
| 8.4. TEST RESULTS | 19 |
| 9 20 DB BANDWIDTH TEST..... | 24 |
| 9.1. TEST EQUIPMENT..... | 24 |
| 9.2. TEST INFORMATION..... | 24 |
| 9.3. TEST RESULTS | 25 |

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



10.DEVIATION TO TEST SPECIFICATIONS25

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

1. TEST STANDARDS

The tests were performed according to following standards:

- 47 CFR PART 15 OCT, 2010
- ANSI C63.4-2009

2. SUMMARY

2.1 GENERAL REMARKS

| | |
|--------------------------------|-----------------------|
| Date of receipt of test sample | 29 Nov. 2011 |
| Testing commenced on | 12 Dec. ~15 Dec. 2011 |
| Testing concluded on | 15 Dec. 2011 |

2.2 FINAL ASSESSMENT

The FCC requirements pertaining to the technical standards and tested operation modes are

- - fulfilled.
- ☐ - **not** fulfilled.

The equipment under test

- - fulfils the FCC requirements cited on page 3.
- ☐ - **does not** fulfil the FCC requirements cited on page 3.

3. EQUIPMENT UNDER TEST

3.1 Power supply system utilised

Power supply voltage : ■ DC3V By Battery

3.2 Short description of the Equipment under Test (EUT)

Number of tested samples: 1

Serial number: Prototype

3.3 EUT operation mode

The equipment under test was operated during the measurement under the following conditions:

- ☐ TX- Y position
- ☐ TX- Z position
- TX- X position

Operation mode 1 DC 3V (2 x 1.5V) : TX-X Position (2402MHz)

Note: TX -X position of EUT is the worst case, so only these test results be recorded in the test report.

3.4 EUT configuration

3.4.1. Description of configuration (EUT)

| | | |
|-----------------------|---|---|
| Description | : | MATTRESS INFLATION AIR PUMP |
| Model Number | : | AMAS-2618 |
| Operation frequency | : | 2402 MHz |
| Radio Technology | : | FSK |
| Modulation Technology | : | FSK modulation |
| Antenna | : | Integral antenna, met requirement of FCC 15.203 |

3.4.2. Tested Supporting System Details

N/A

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

4. TEST ENVIRONMENT

4.1 Address of the test laboratory

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

4.2 Test facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L3394

CENTRE OF TESTING SERVICE CO., LTD has been assessed and proved to be in compliance with CNAS-CL01: 2006 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

IC-Registration No.: 8374A

The 3m Alternate Test Site of CENTRE OF TESTING SERVICE CO., LTD has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 8374A on June 6, 2011.

FCC-Registration No.: 971995

CENTRE OF TESTING SERVICE CO., LTD, EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration No.791995, July 21, 2009.

4.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

| | |
|-----------------------|------------|
| Temperature: | 15~35 ° C |
| Humidity: | 25~75 % |
| Atmospheric pressure: | 86~106 kPa |

4.4 Definitions of symbols used in this test report

- - The black square indicates that the listed condition, standard or equipment is applicable for this report.
- - The empty square indicates that the listed condition, standard or equipment is **not** applicable for this report.

4.5 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 CTS 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.

4.6 Measurement Uncertainty

| Test Item | Frequency Range | Uncertainty | Note |
|-------------------------|-----------------|---------------------|------|
| Conduction disturbance | 150kHz~30MHz | $\pm 1.22\text{dB}$ | (1) |
| Power disturbance | 30MHz~300MHz | $\pm 1.38\text{dB}$ | (1) |
| Radiation emission (3m) | 30MHz~300MHz | $\pm 3.14\text{dB}$ | (1) |
| | 300MHz~1000MHz | $\pm 3.18\text{dB}$ | (1) |

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

5. Summary of standards and results

5.1. Description of Standards and Results

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

| EMISSION | | |
|--|---|---------|
| Description of Test Item | Standard | Results |
| Radiated Emission Test | FCC Part 15 C: 15.249 FCC Part 15 : 109 FCC Part 15: 209 ANSI C63.4-2009 | PASSED |
| Band Edge Compliance Test | FCC Part 15 C: 15.249 ANSI C63.4-2009 | PASSED |
| 20dB bandwidth | FCC Part 15 C: 15.249 ANSI C63.4-2009 | PASSED |
| N/A is an abbreviation for Not Applicable. | | |

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

6. Radiated disturbance (electric field)

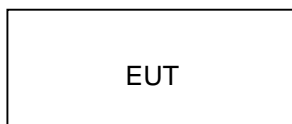
6.1. Test Equipment

| Radiated disturbance (electric field) | | | | | |
|---------------------------------------|-------------------|-----------------|------------|------------|-----------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. |
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 100868 | 2010/12 |
| 2 | Biconical Antenna | ROHDE & SCHWARZ | HK116 | 100221 | 2010/12 |
| 3 | Log per Antenna | ROHDE & SCHWARZ | HL223 | 100226 | 2010/12 |
| 4 | Log per Antenna | ROHDE & SCHWARZ | HL050 | 100186 | 2010/12 |
| 5 | Signal analyzer | ROHDE & SCHWARZ | FSIQ26 | 100311 | 2010/12 |
| 6 | Loop Antenna | A.R.A | PLA-1030/B | 1030 | 2010/12 |

6.2. Block Diagram of Test Setup

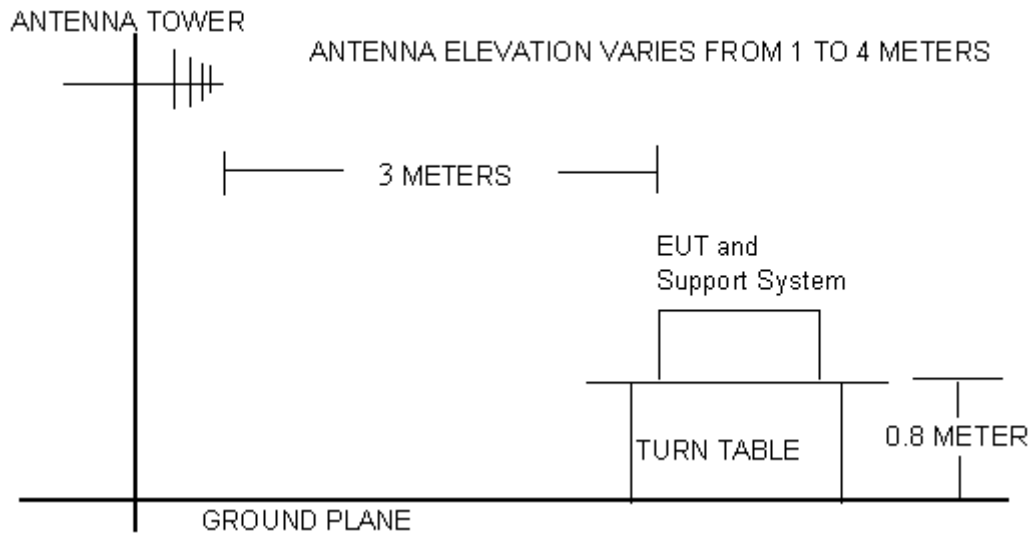
6.2.1 Block Diagram of connection between EUT and simulators

TX



(EUT: MATTRESS INFLATION AIR PUMP)

6.2.2 Anechoic Chamber Setup Diagram



6.3.Radiated Emission Limit :

Standard:FCC 15.249 ,FCC 15.109 FCC 15.209.

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

| Fundamental Frequency (MHz) | Field Strength of Fundamental (mV/m) | Field Strength of Harmonics (μV/m) |
|-----------------------------|--------------------------------------|------------------------------------|
| 902-928 | 50 | 500 |
| 2400-2483.5 | 50 | 500 |
| 5725-5875 | 50 | 500 |
| 24000-24250 | 250 | 2500 |

| FREQUENCY MHz | DISTANCE Meters | FIELD STRENGTHS LIMIT | |
|---------------|-----------------|---|----------|
| | | μV/m | dB(μV)/m |
| 0.009 ~ 0.490 | 3 | --- | 63.0 |
| 0.490 ~ 1.705 | 3 | --- | 43.0 |
| 1.705 ~ 30 | 3 | ---- | 49.5 |
| 30 ~ 88 | 3 | 100 | 40.0 |
| 88 ~ 216 | 3 | 150 | 43.5 |
| 216 ~ 960 | 3 | 200 | 46.0 |
| 960 ~ 1000 | 3 | 500 | 54.0 |
| Above 1000 | 3 | Other:74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average) | |

- Remark:
- (1) Emission level $\text{dB}\mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$
 - (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.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

6.4. Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. 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 Test.

The frequency range from 30MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 120kHz RBW below 1GHz and a Peak and Average detector with 1MHz RBW above 1GHz,

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 300kHz VBW below 1GHz and a Peak detector with 1MHz VBW above 1GHz, A average detector with 10Hz VBW above 1GHz

Pretest x, y, z position of EUT, final, select the worst case x position test and record the test results in the report.

The test modes (TX Mode) is tested in Anechoic Chamber and all the scanning waveforms are reported on section 7.5

6.5. Radiated Emission Test Results

PASSED.

The frequency range from 9KHz~30MHz, 30MHz to 230MHz, 230MHz to 1000MHz and above 1GHz. is investigated.

Please see the following pages.



| | | | |
|------------------|------------------------------|---------|--|
| Test Mode: | TX -X Position Mode 2402 MHz | Result: | <input checked="" type="checkbox"/> - passed |
| Frequency range: | 9KHz~30MHz | | <input type="checkbox"/> - not passed |

| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|------|
| 1 | 0.8504 | 16.36 | 20.00 | 36.36 | 43.00 | -6.64 | QP |
| 2 | 2.6535 | 17.42 | 19.86 | 37.28 | 49.50 | -12.22 | QP |
| 3 | 3.4949 | 17.74 | 18.78 | 36.52 | 49.50 | -12.98 | QP |
| 4 | 14.7340 | 20.57 | 12.04 | 32.61 | 49.50 | -16.89 | QP |
| 5 | 22.5473 | 22.58 | 12.46 | 35.04 | 49.50 | -14.46 | QP |
| 6 | 28.9182 | 23.79 | 12.62 | 36.41 | 49.50 | -13.09 | QP |

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

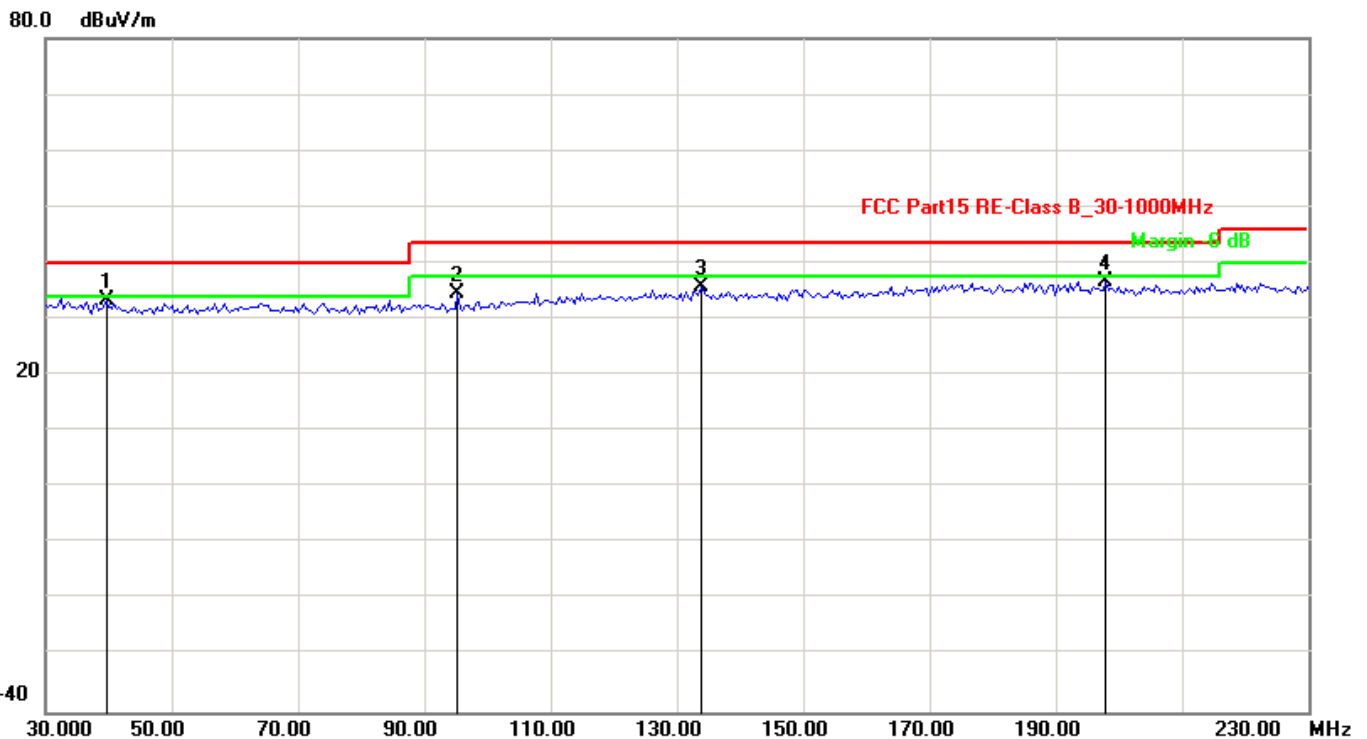
CENTRE OF TESTING SERVICE CO., LTD.
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406
Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



| | | | |
|------------------|-----------------------------|---------|----------------|
| Channel: | TX -X Position Mode 2402MHz | Result: | ■ - passed |
| Test point: | Horizontal | | □ - not passed |
| Frequency range: | 30MHz~1000MHz | | |

| | |
|---------------------|---|
| EUT | MATTRESS INFLATION AIR PUMP |
| Firm Name | VENTURE GLOBAL LTD. |
| Operating Condition | DC 3V By Battery |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% |
| Test distance | 3 Meter |
| Test Date: | 12 Dec. ~15 Dec. 2011 |
| Operator | Peter |
| MODEL NO | AMAS-2618 |



| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|------|
| 1 | 39.6192 | 5.73 | 27.54 | 33.27 | 40.00 | -6.73 | QP |
| 2 | 95.3307 | 5.01 | 29.52 | 34.53 | 43.50 | -8.97 | QP |
| 3 | 133.8076 | 6.52 | 29.08 | 35.60 | 43.50 | -7.90 | QP |
| 4 | 197.9359 | 7.36 | 29.34 | 36.70 | 43.50 | -6.80 | QP |

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

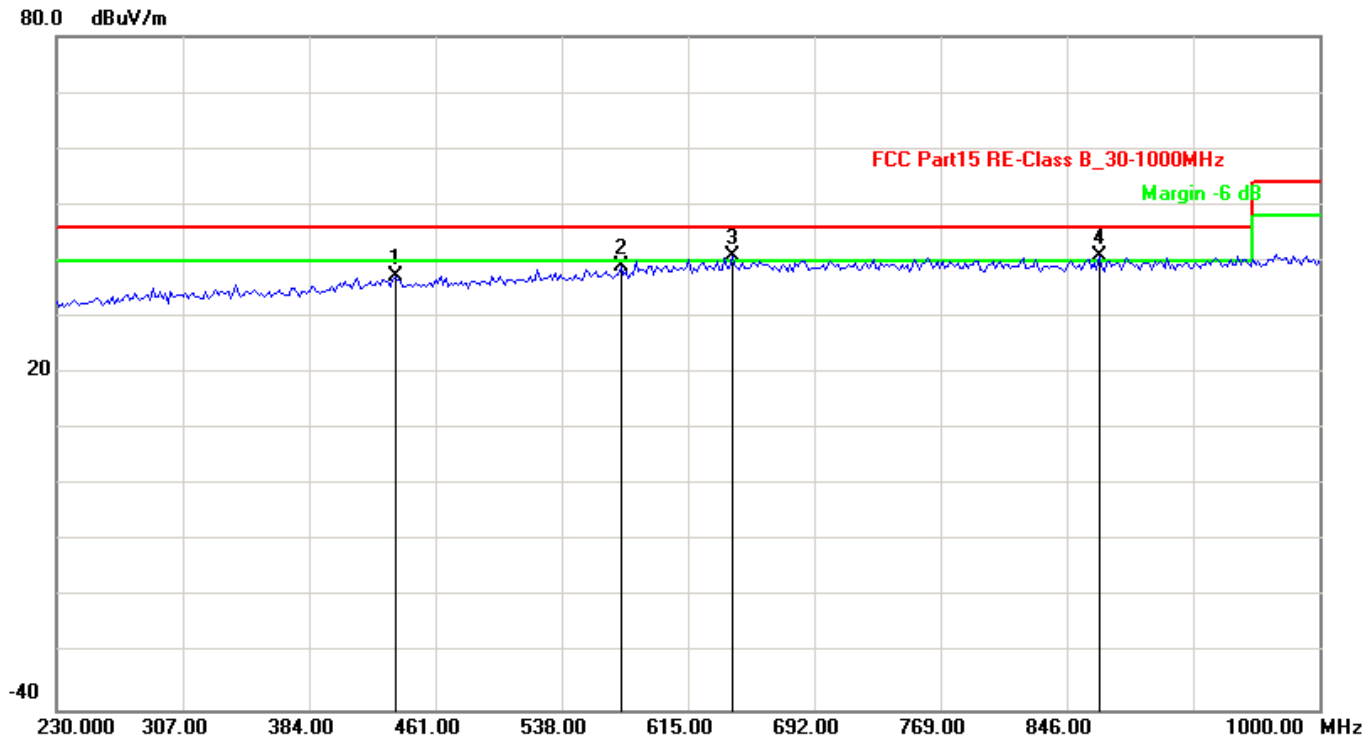
Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|------|
| 1 | 436.7735 | 8.25 | 28.88 | 37.13 | 46.00 | -8.87 | QP |
| 2 | 574.1082 | 9.14 | 29.83 | 38.97 | 46.00 | -7.03 | QP |
| 3 | 642.0040 | 9.75 | 31.02 | 40.77 | 46.00 | -5.23 | QP |
| 4 | 865.7515 | 10.41 | 30.48 | 40.89 | 46.00 | -5.11 | QP |

Note: 1. Emission level=Read level + Factor
2. Factor=Antenna factor + Cable loss
3. Margin=Level-Limit.



| | | | |
|------------------|------------------------------|---------|--|
| Channel: | TX -X Position Mode 914.8MHz | Result: | <input checked="" type="checkbox"/> - passed |
| Test point: | Horizontal | | <input type="checkbox"/> - not passed |
| Frequency range: | 1GHz-26.5GHz | | |

| | |
|---------------------|---|
| EUT | MATTRESS INFLATION AIR PUMP |
| Firm Name | VENTURE GLOBAL LTD. |
| Operating Condition | DC 6V By Battery |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% |
| Test distance | 3 Meter |
| Test Date: | 12 Dec. ~15 Dec. 2011 |
| Operator | Peter |
| MODEL NO | AMAS-2618 |

| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|---|-----------------|-------------|----------------|----------------|----------------|-------------|------|
| 1 | 2402.000 | 17.79 | 74.29 | 92.08 | 114.00 | -21.92 | peak |
| 2 | 2402.000 | 17.79 | 63.73 | 81.52 | 94.00 | -12.48 | AVG |
| 3 | 2939.880 | 20.10 | 34.06 | 54.16 | 74.00 | -19.84 | peak |
| 4 | 2939.880 | 20.10 | 21.16 | 41.26 | 54.00 | -12.74 | AVG |
| 5 | 4805.210 | 22.93 | 33.91 | 56.84 | 74.00 | -17.16 | peak |
| 6 | 4805.210 | 22.93 | 21.08 | 44.01 | 54.00 | -9.99 | AVG |
| 7 | 6092.184 | 24.86 | 30.36 | 55.22 | 74.00 | -18.78 | peak |
| 8 | 6092.184 | 24.86 | 17.83 | 42.69 | 54.00 | -11.31 | AVG |
| 9 | 8142.285 | 26.91 | 23.73 | 50.64 | 74.00 | -23.36 | peak |
| 10 | 8142.285 | 26.91 | 12.30 | 39.21 | 54.00 | -14.79 | AVG |
| 11 | 9442.886 | 28.09 | 25.50 | 53.59 | 74.00 | -20.41 | peak |
| 12 | 9442.886 | 28.09 | 12.96 | 41.05 | 54.00 | -12.95 | AVG |
| 13 | 11691.383 | 29.63 | 26.54 | 56.17 | 74.00 | -17.83 | peak |
| 14 | 11691.383 | 29.63 | 13.63 | 43.26 | 54.00 | -10.74 | AVG |
| Remark: Other frequency mini margin all >10 dB of Limit | | | | | | | |

- Note: 1. Emission level=Read level + Factor
2. Factor=Antenna factor + Cable loss
3. Margin=Level-Limit.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

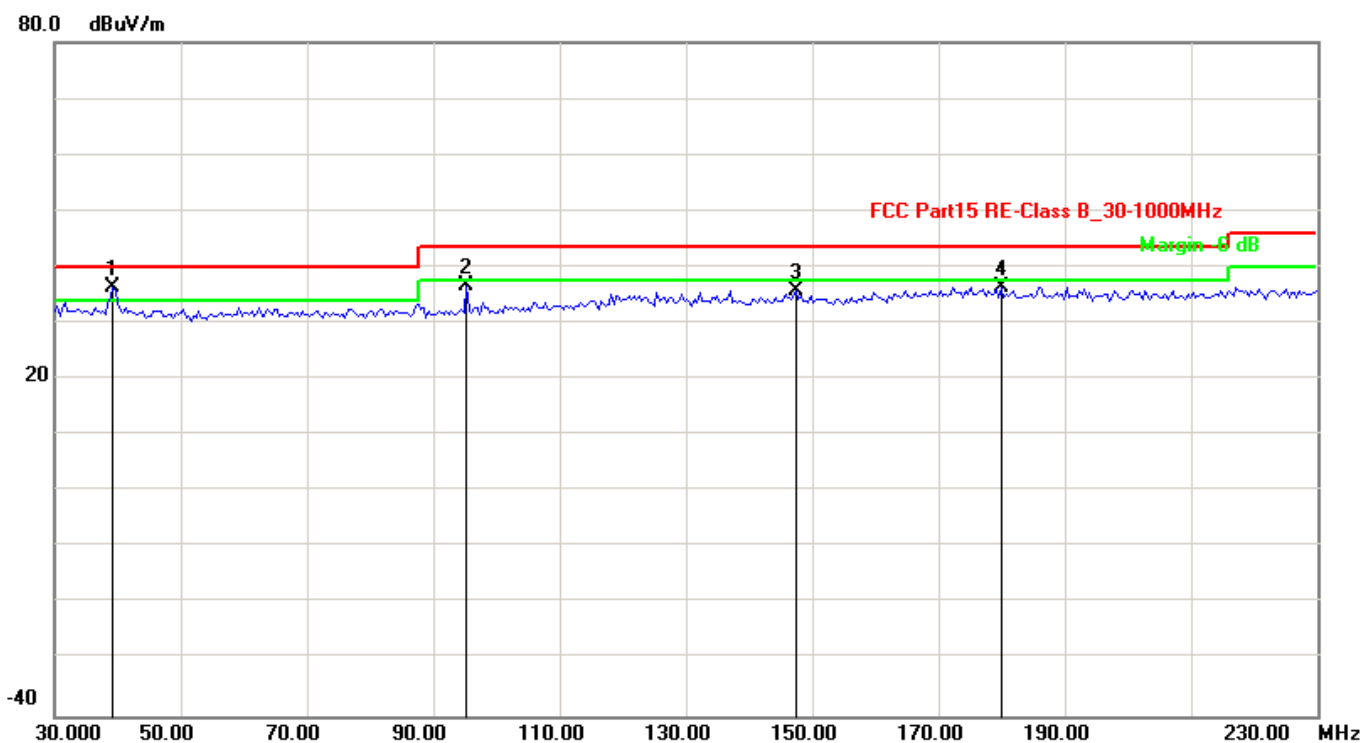
E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



| | | | |
|------------------|-----------------------------|---------|--|
| Channel: | TX -X Position Mode 2402MHz | Result: | <input checked="" type="checkbox"/> - passed |
| Test point: | Vertical | | <input type="checkbox"/> - not passed |
| Frequency range: | 30-230MHz and 230-1000MHz | | |

| | |
|---------------------|---|
| EUT | MATTRESS INFLATION AIR PUMP |
| Firm Name | VENTURE GLOBAL LTD. |
| Operating Condition | DC3V By Battery |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% |
| Test distance | 3 Meter |
| Test Date: | 12 Dec. ~15 Dec. 2011 |
| Operator | Peter |
| MODEL NO | AMAS-2618 |



| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|------|
| 1 | 39.2184 | 5.75 | 30.47 | 36.22 | 40.00 | -3.78 | QP |
| 2 | 95.3307 | 5.01 | 31.50 | 36.51 | 43.50 | -6.99 | QP |
| 3 | 147.4349 | 6.36 | 29.44 | 35.80 | 43.50 | -7.70 | QP |
| 4 | 179.8998 | 7.45 | 28.88 | 36.33 | 43.50 | -7.17 | QP |

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

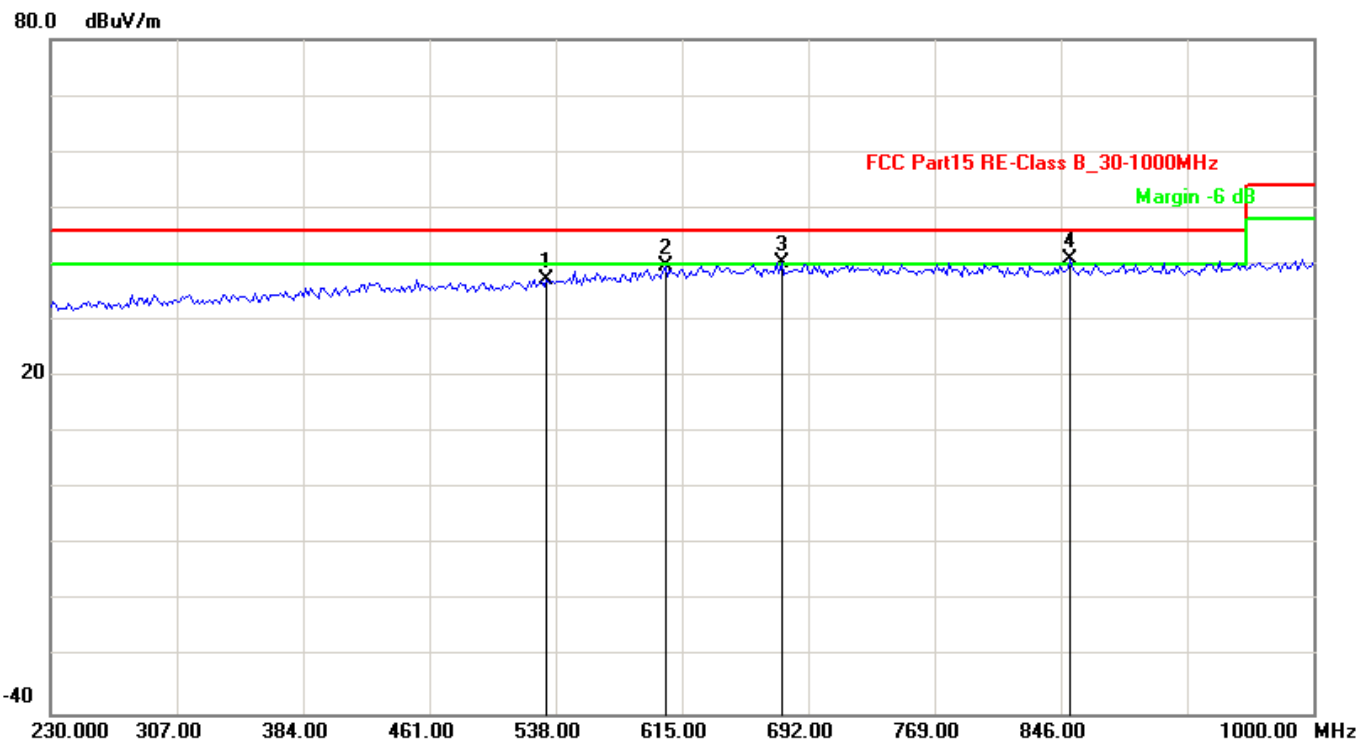
Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|------|
| 1 | 532.4449 | 8.72 | 28.46 | 37.18 | 46.00 | -8.82 | QP |
| 2 | 604.9699 | 9.39 | 30.13 | 39.52 | 46.00 | -6.48 | QP |
| 3 | 675.9519 | 10.16 | 30.02 | 40.18 | 46.00 | -5.82 | QP |
| 4 | 851.8637 | 10.27 | 30.72 | 40.99 | 46.00 | -5.01 | QP |

Note: 1. Emission level=Read level + Factor
2. Factor=Antenna factor + Cable loss
3. Margin=Level- Limit.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



| | | | |
|------------------|-----------------------------|---------|--|
| Channel: | TX -X Position Mode 2402MHz | Result: | <input checked="" type="checkbox"/> - passed |
| Test point: | Vertical | | <input type="checkbox"/> - not passed |
| Frequency range: | 1GHz-26.5GHz | | |

| | |
|---------------------|---|
| EUT | MATTRESS INFLATION AIR PUMP |
| Firm Name | VENTURE GLOBAL LTD. |
| Operating Condition | DC 3V By Battery |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% |
| Test distance | 3 Meter |
| Test Date: | 12 Dec. ~15 Dec. 2011 |
| Operator | Peter |
| MODEL NO | AMAS-2618 |

| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|------|
| 1 | 2402.000 | 17.81 | 67.75 | 85.56 | 114.00 | -28.44 | peak |
| 2 | 2402.000 | 17.81 | 56.98 | 74.79 | 94.00 | -19.21 | AVG |
| 3 | 2785.571 | 19.44 | 36.07 | 55.51 | 74.00 | -18.49 | peak |
| 4 | 2785.571 | 19.44 | 23.58 | 43.02 | 54.00 | -10.98 | AVG |
| 5 | 4805.210 | 22.93 | 35.76 | 58.69 | 74.00 | -15.31 | peak |
| 6 | 4805.210 | 22.93 | 22.24 | 45.17 | 54.00 | -8.83 | AVG |
| 7 | 5959.920 | 24.77 | 31.29 | 56.06 | 74.00 | -17.94 | peak |
| 8 | 5959.920 | 24.77 | 17.38 | 42.15 | 54.00 | -11.85 | AVG |
| 9 | 6973.948 | 25.16 | 34.54 | 59.70 | 74.00 | -14.30 | peak |
| 10 | 6973.948 | 25.16 | 21.05 | 46.21 | 54.00 | -7.79 | AVG |
| 11 | 8891.784 | 27.11 | 29.13 | 56.24 | 74.00 | -17.76 | peak |
| 12 | 8891.784 | 27.11 | 16.47 | 43.58 | 54.00 | -10.42 | AVG |
| 13 | 10302.605 | 28.99 | 28.64 | 57.63 | 74.00 | -16.37 | peak |
| 14 | 10302.605 | 28.99 | 14.27 | 43.26 | 54.00 | -10.74 | AVG |

Remark: Other frequency mini margin all >10 dB of Limit

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

8. Band Edge Compliance test

8.1. Test Equipment

| Band Edge Compliance test | | | | | |
|---------------------------|-------------------|-----------------|-----------|------------|-----------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. |
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 10868 | 2010/12 |
| 2 | Log per Antenna | ROHDE & SCHWARZ | HL050 | 100186 | 2010/12 |
| 3 | Signal analyzer | ROHDE & SCHWARZ | FSIQ26 | 100311 | 2010/12 |
| 4 | Log per Antenna | ROHDE & SCHWARZ | HL223 | 100226 | 2010/12 |

8.2. Test Information

| | |
|---------------------|---|
| EUT | MATTRESS INFLATION AIR PUMP |
| Firm Name | VENTURE GLOBAL LTD. |
| Operating Condition | DC 3V By Battery |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% |
| Test distance | 3 Meter |
| Test Date: | 12 Dec. ~15 Dec. 2011 |
| Operator | Peter |
| MODEL NO | AMAS-2618 |

8.3. Test procedure

- 1、 The EUT operates at TX mode. The transmitter channel are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2、 Max hold the trace of the setp 1, and the EUT operates at Normal test mode to verify the largest spurious emissions power.

8.4. Test Results

PASSED.

The EUT operates at TX test mode. The transmitter channel are tested to verify the band edge emissions.

| Test Mode | Channel Marked Frequency | Test Result Highest Emission (dBuv/m) | | | |
|--------------|-----------------------------|---|---------|----------|---------|
| | | Horizontal | | Vertical | |
| | | Peak | Average | Peak | Average |
| Low Channel | 2390MHz | 43.56 | 25.72 | 37.10 | 24.32 |
| | 2400MHz | 68.41 | 55.73 | 62.60 | 48.77 |
| High Channel | 2483.5MHz | 34.67 | 23.88 | 34.76 | 23.62 |
| | 2500MHz | 34.43 | 23.56 | 34.72 | 23.53 |

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

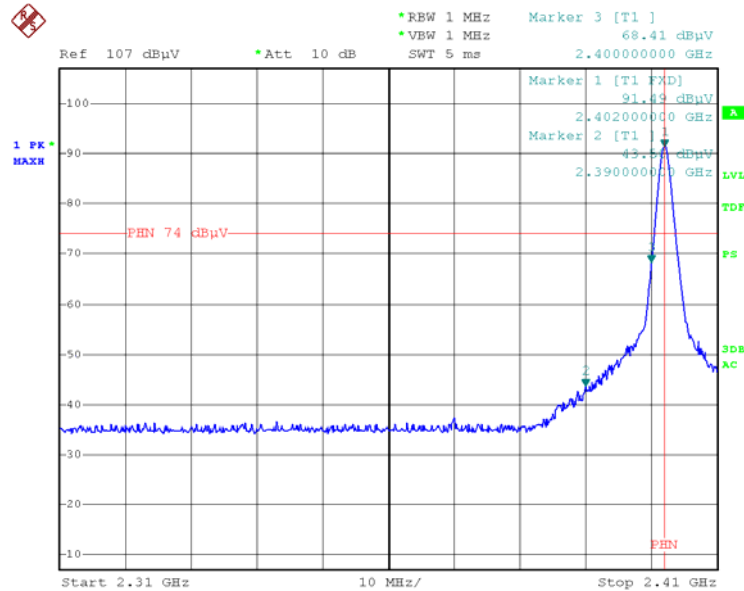
Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

Band Edges(Low)
Detector mode:Peak

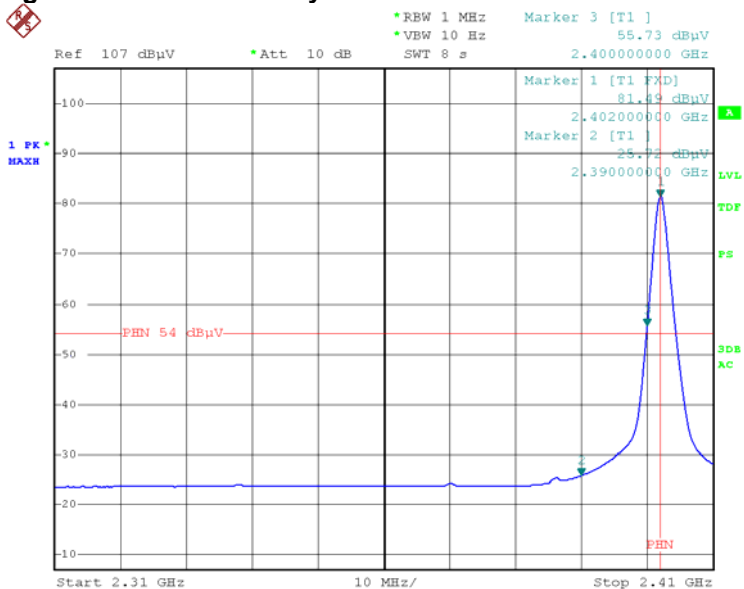
Polarity:Horizontal



Date: 14.DEC.2011 10:01:25

Band Edges(CH Low)
Detector mode:Average

Polarity:Horizontal



Date: 14.DEC.2011 10:08:30

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

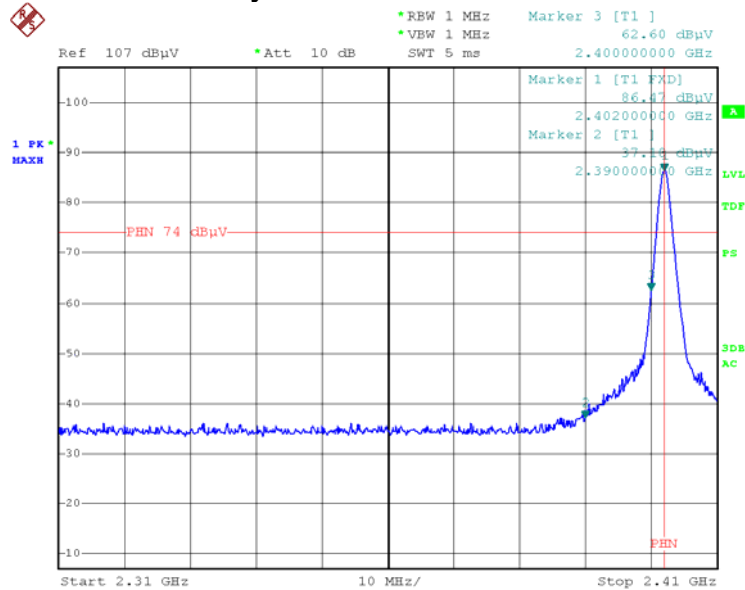
Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

Band Edges(CH Low)
Detector mode:Peak

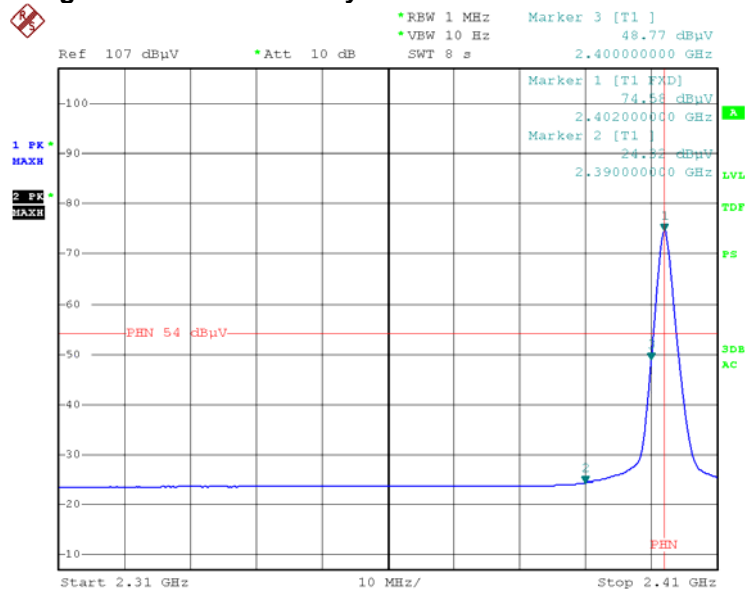
Polarity:Vertical



Date: 14.DEC.2011 10:02:47

Band Edges(CH Low)
Detector mode:Average

Polarity:Vertical



Date: 14.DEC.2011 10:09:30

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

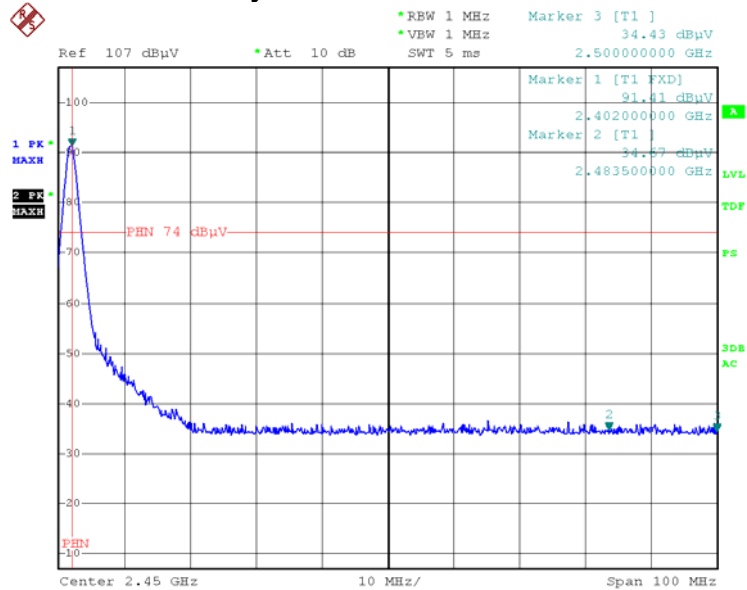
Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

Band Edges(CH High)
Detector mode:Peak

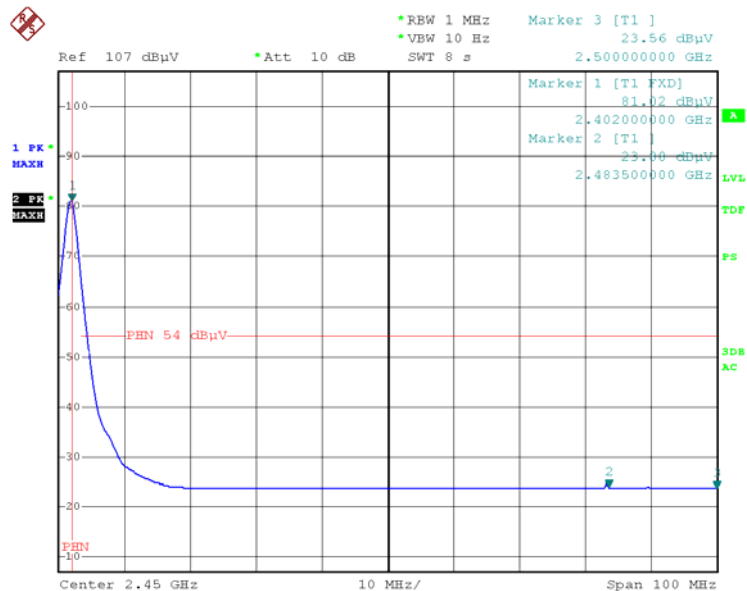
Polarity:Horizontal



Date: 14.DEC.2011 10:11:05

Band Edges(CH High)
Detector mode:Average

Polarity:Horizontal



Date: 14.DEC.2011 10:16:46

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

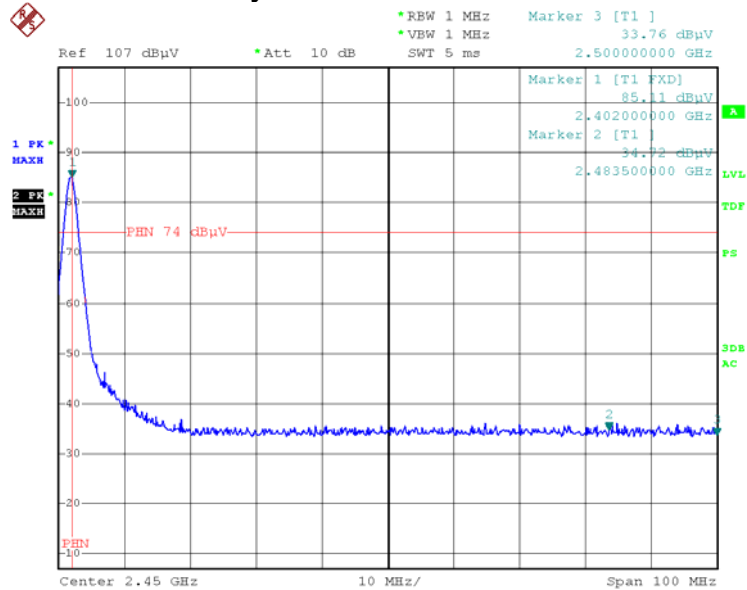
Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

Band Edges(CH High)
Detector mode:Peak

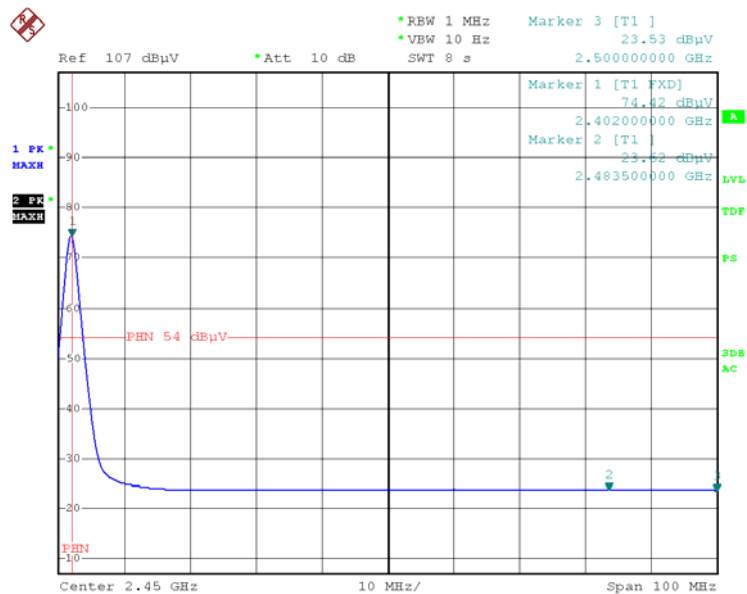
Polarity:Vertical



Date: 14.DEC.2011 10:12:19

Band Edges(CH High)
Detector mode:Average

Polarity:Vertical



Date: 14.DEC.2011 10:19:12

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

9 20 dB Bandwidth test

9.1. Test Equipment

| 20 dB Bandwidth test | | | | | |
|----------------------|-------------------|-----------------|-----------|------------|-----------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. |
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 10868 | 2010/12 |
| 2 | Log per Antenna | ROHDE & SCHWARZ | HL223 | 100226 | 2010/12 |
| 3 | Biconical Antenna | ROHDE & SCHWARZ | HK116 | 100221 | 2010/12 |
| 4 | Signal analyzer | ROHDE & SCHWARZ | FSIQ26 | 100311 | 2010/12 |

9.2. Test Information

| | |
|---------------------|---|
| EUT | MATTRESS INFLATION AIR PUMP |
| Firm Name | VENTURE GLOBAL LTD. |
| Operating Condition | DC 3V By Battery |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% |
| Test distance | 3 Meter |
| Test Date: | 12 Dec. ~15 Dec. 2011 |
| Operator | Peter |
| MODEL NO | AMAS-2618 |

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines)

Fax: +86-20-38780406

Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

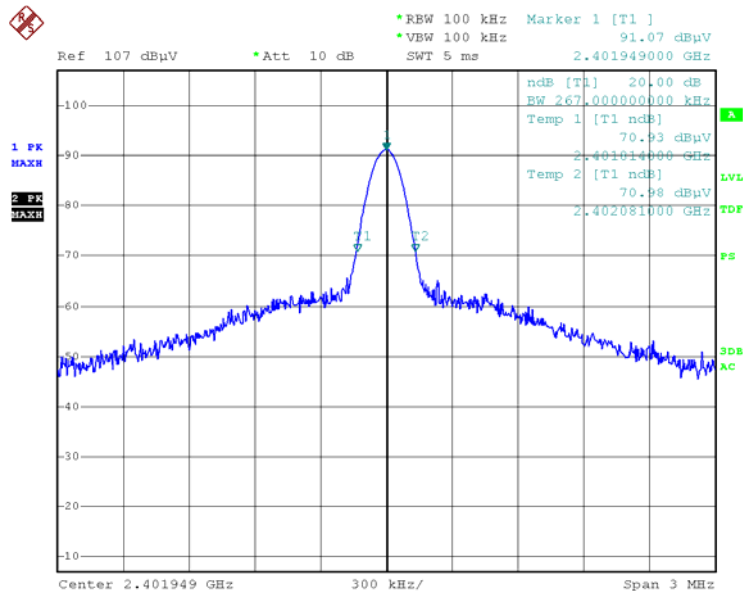
See Reverse For Terms And Conditions of Service



9.3. Test Results

PASSED.

The testing data was attached in the next pages.



Date: 14.DEC.2011 10:22:20

10.Deviation to test specifications

[NONE]

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.