



## FCC TEST REPORT

For

ARTIKA FOR LIVING INC

DARREN

Test Model: 23FAN-DAR-W2BL

Additional Model No.: 23FAN-DAR-\*\*\*\*\*("\*\*\*\*\*" means may be follow by up to six characters, The character mentioned can be letters, numbers, "-" or blank. denote different commercial codes))

Prepared for : ARTIKA FOR LIVING INC  
Address : 1756, 50th Avenue Montréal (Lachine), Québec, Canada  
H8T 2V5

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
101, 201 Bldg A & 301 Bldg C, Juji Industrial Park

Address : Yabianxueziwei, Shajing Street, Baoan District,  
Shenzhen, 518000, China

Tel : +(86) 0755-82591330

Fax : +(86) 0755-82591332

Web : www.lcs-cert.com

Mail : webmaster@lcs-cert.com

Date of receipt of test sample : September 18, 2024

Number of tested samples : 1

Serial number : Prototype

Sample No. : B240902038001

Date of Test : September 18, 2024 to September 23, 2024

Date of Report : September 24, 2024



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District,  
Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

**TEST REPORT****Report No.** : **LCSA08134228E****Date of Issue** : September 24, 2024**Testing Laboratory Name** : **Shenzhen LCS Compliance Testing Laboratory Ltd.****Address** : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park  
Yabianxueziwei, Shajing Street, Baoan District,  
Shenzhen, 518000, China**Testing Location/ Procedure** : Full application of Harmonised standards ■  
Partial application of Harmonised standards □  
Other standard testing method □**Applicant's Name** : **ARTIKA FOR LIVING INC****Address** : 1756, 50th Avenue Montréal (Lachine), Québec, Canada H8T 2V5**Test Specification****Standard** : FCC 47 CFR Part 15, Subpart B  
ANSI C63.4-2014**Test Report Form No.** : TRF-4-E-010 A/0**TRF Originator** : Shenzhen LCS Compliance Testing Laboratory Ltd.**Master TRF** : Dated 2011-03**Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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**Test Item Description.** : **DARREN****Trade Mark** : ARTIKA**Test Model** : 23FAN-DAR-W2BL**Result** : **Positive****Compiled by:**

Emma wang / File Administrator

**Supervised by:**

Cary Luo/ Technique principal

**Approved by:**

Gavin Liang / Manager



Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District,  
Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity



## TEST REPORT

|                                       |                                            |
|---------------------------------------|--------------------------------------------|
| <b>Test Report No.:</b> LCSA08134228E | <u>September 24, 2024</u><br>Date of issue |
|---------------------------------------|--------------------------------------------|

|                           |                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------|
| <b>Test Model</b> .....   | : <b>23FAN-DAR-W2BL</b>                                                                   |
| <b>EUT</b> .....          | : <b>DARREN</b>                                                                           |
| <b>Applicant</b> .....    | : <b>ARTIKA FOR LIVING INC</b>                                                            |
| <b>Address</b> .....      | : 1756, 50th Avenue Montréal (Lachine), Québec, Canada<br>H8T 2V5                         |
| <b>Telephone</b> .....    | : /                                                                                       |
| <b>Fax</b> .....          | : /                                                                                       |
| <b>Manufacturer</b> ..... | : <b>Giant Force Technology Inc.</b>                                                      |
| <b>Address</b> .....      | : Sui Feng Nian Village, Lin Hai Industries Park, Sha Tian<br>Town, Dong Guan City, China |
| <b>Telephone</b> .....    | : /                                                                                       |
| <b>Fax</b> .....          | : /                                                                                       |
| <b>Factory</b> .....      | : <b>Giant Force Technology Inc.</b>                                                      |
| <b>Address</b> .....      | : Sui Feng Nian Village, Lin Hai Industries Park, Sha Tian<br>Town, Dong Guan City, China |
| <b>Telephone</b> .....    | : /                                                                                       |
| <b>Fax</b> .....          | : /                                                                                       |

|                    |                 |
|--------------------|-----------------|
| <b>Test Result</b> | <b>Positive</b> |
|--------------------|-----------------|

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.





## Revision History

| Report Version | Issue Date         | Revision Content | Revised By |
|----------------|--------------------|------------------|------------|
| 000            | September 24, 2024 | Initial Issue    | /          |
|                |                    |                  |            |
|                |                    |                  |            |





## TABLE OF CONTENTS

| Test Report Description                           | Page      |
|---------------------------------------------------|-----------|
| <b>1. SUMMARY OF STANDARDS AND RESULTS</b>        | <b>6</b>  |
| 1.1 Description of Standards and Results          | 6         |
| 1.2 Description of Test Modes                     | 7         |
| <b>2. GENERAL INFORMATION</b>                     | <b>8</b>  |
| 2.1 Description of Device (EUT)                   | 8         |
| 2.2 Support equipment List                        | 8         |
| 2.3 Description of Test Facility                  | 8         |
| 2.4 Measurement Uncertainty                       | 8         |
| <b>3. MEASURING DEVICES AND TEST EQUIPMENT</b>    | <b>9</b>  |
| <b>4. EMISSION TEST RESULTS (EMI)</b>             | <b>10</b> |
| 4.1 Conducted emissions on AC mains               | 10        |
| 4.2 Radiated emissions (Below 1GHz)               | 13        |
| 4.3 Radiated emissions (Above 1GHz)               | 16        |
| <b>5. TEST SETUP PHOTOS</b>                       | <b>19</b> |
| <b>6. EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)</b> | <b>19</b> |





## 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.

| Description of Test Item        | Standard                                         | Limits          | Result |
|---------------------------------|--------------------------------------------------|-----------------|--------|
| Conducted emissions on AC mains | FCC 47 CFR Part 15, Subpart B<br>ANSI C63.4-2014 | 15.107, Class B | Pass   |
| Radiated emissions (Below 1GHz) | FCC 47 CFR Part 15, Subpart B<br>ANSI C63.4-2014 | 15.109, Class B | Pass   |
| Radiated emissions (Above 1GHz) | FCC 47 CFR Part 15, Subpart B<br>ANSI C63.4-2014 | 15.109, Class B | Pass   |





## 1.2 Description of Test Modes

| No  | Title                 | Description |
|-----|-----------------------|-------------|
| TM1 | Working(AC 120V/60Hz) | Record      |





## 2. GENERAL INFORMATION

### 2.1 Description of Device (EUT)

|                             |                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT                         | : DARREN                                                                                                                                                                  |
| Test Model                  | : 23FAN-DAR-W2BL                                                                                                                                                          |
| Additional Model No.        | : 23FAN-DAR-*****("*****" means may be follow by up to six characters, The character mentioned can be letters, numbers, "-" or blank. denote different commercial codes)) |
| Model Declaration           | : PCB board, structure and internal of these model(s) are the same, So no additional models were tested.                                                                  |
| Power Supply                | : 120V~, 60Hz, 30W LED+25W Fan                                                                                                                                            |
| Highest Internal Frequency  | : FX > 108 MHz                                                                                                                                                            |
| Classification of Equipment | : Class B                                                                                                                                                                 |

| Highest internal frequency (Fx)            | Highest measured frequency      |
|--------------------------------------------|---------------------------------|
| $F_x \leq 1.705\text{MHz}$                 | 30MHz                           |
| $1.705\text{MHz} < F_x \leq 108\text{MHz}$ | 1GHz                            |
| $108\text{MHz} < F_x \leq 500\text{MHz}$   | 2GHz                            |
| $500\text{MHz} < F_x \leq 1000\text{MHz}$  | 5GHz                            |
| $F_x > 1\text{GHz}$                        | 5 x Fx up to a maximum of 40GHz |

### 2.2 Support equipment List

The EUT was tested as an independent device.

### 2.3 Description of Test Facility

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.

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

### 2.4 Measurement Uncertainty

| Test Item                                                                                                                                     | Measurement Uncertainty |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Conducted Emission (150kHz to 30MHz)                                                                                                          | $\pm 2.35 \text{ dB}$   |
| Radiated Emission (30MHz to 1000MHz)                                                                                                          | $\pm 3.48 \text{ dB}$   |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                         |





### 3. MEASURING DEVICES AND TEST EQUIPMENT

#### Conducted emissions on AC mains

| Equipment         | Manufacturer | Model No | Serial No. | Cal Date   | Due Date   |
|-------------------|--------------|----------|------------|------------|------------|
| EMI Test Software | Farad        | EZ       | /          | /          | /          |
| Artificial Mains  | R&S          | ENV216   | 101288     | 2024-06-06 | 2025-06-05 |
| Pulse Limiter     | R&S          | ESH3-Z2  | 102750-NB  | 2024-06-06 | 2025-06-05 |
| EMI Test Receiver | R&S          | ESR3     | 102312     | 2024-03-12 | 2025-03-11 |

#### Radiated emissions (Below 1GHz) (Above 1GHz)

| Equipment              | Manufacturer | Model No  | Serial No. | Cal Date   | Due Date   |
|------------------------|--------------|-----------|------------|------------|------------|
| EMI Test Software      | AUDIX        | E3        | /          | N/A        | N/A        |
| By-log Antenna         | SCHWARZBECK  | VULB9163  | 01143      | 2024-07-20 | 2027-07-19 |
| Horn Antenna           | SCHWARZBECK  | 3115      | EABF-018   | 2024-07-20 | 2027-07-19 |
| EMI Test Receiver      | R&S          | ESR3      | 102311     | 2024-06-06 | 2025-06-05 |
| Broadband Preamplifier | /            | BP-01M18G | P190501    | 2024-06-06 | 2025-06-05 |
| EMI Test Receiver      | R&S          | ESCI7     | 101173     | 2024-10-06 | 2025-10-07 |
| By-log Antenna         | SchwarzZBECK | VULB9163  | 01565      | 2024-07-13 | 2027-07-12 |
| EMI Test Software      | Farad        | EZ        | /          | N/A        | N/A        |
| MXA Signal Analyzer    | Agilent      | N9020A    | MY53290398 | 2024-06-06 | 2025-06-05 |





## 4. EMISSION TEST RESULTS (EMI)

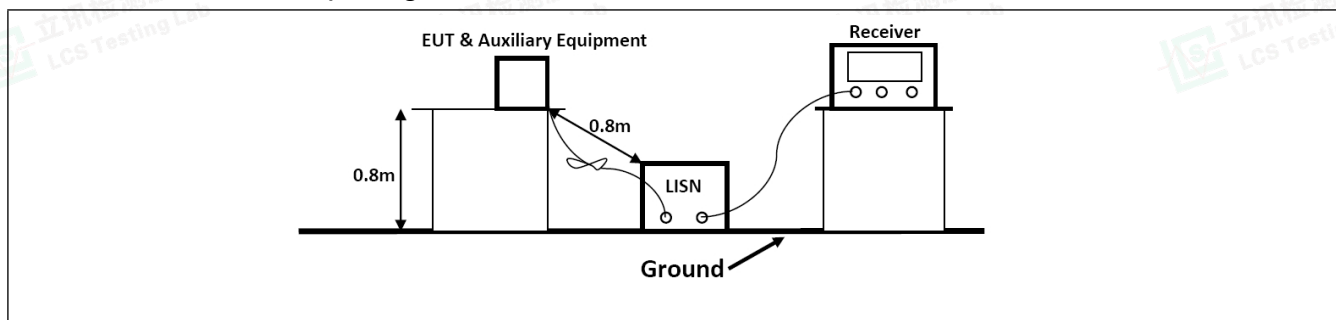
### 4.1 Conducted emissions on AC mains

|                   |                                                                                                                                                                                                                             |                              |           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|
| Test Requirement: | 15.107, Class B                                                                                                                                                                                                             |                              |           |
| Test Limit:       | Frequency of emission (MHz)                                                                                                                                                                                                 | Conducted limit (dB $\mu$ V) |           |
|                   |                                                                                                                                                                                                                             | Quasi-peak                   | Average   |
|                   | 0.15-0.5                                                                                                                                                                                                                    | 66 to 56*                    | 56 to 46* |
|                   | 0.5-5                                                                                                                                                                                                                       | 56                           | 46        |
|                   | 5-30                                                                                                                                                                                                                        | 60                           | 50        |
|                   | *Decreases with the logarithm of the frequency.                                                                                                                                                                             |                              |           |
| Test Method:      | ANSI C63.4-2014                                                                                                                                                                                                             |                              |           |
| Procedure:        | An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.<br>Remark: Level= Read Level+ Cable Loss+ LISN Factor |                              |           |

#### 4.1.1 E.U.T. Operation:

|                        |         |           |        |
|------------------------|---------|-----------|--------|
| Operating Environment: |         |           |        |
| Temperature:           | 22.5 °C | Humidity: | 53.7 % |
| Pre test mode:         | TM1     |           |        |
| Final test mode:       | TM1     |           |        |

#### 4.1.2 Test Setup Diagram:



#### 4.1.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD \text{ (dB}\mu\text{V)} = RA \text{ (dB}\mu\text{V)} + PL \text{ (dB)} + CL \text{ (dB)}$$

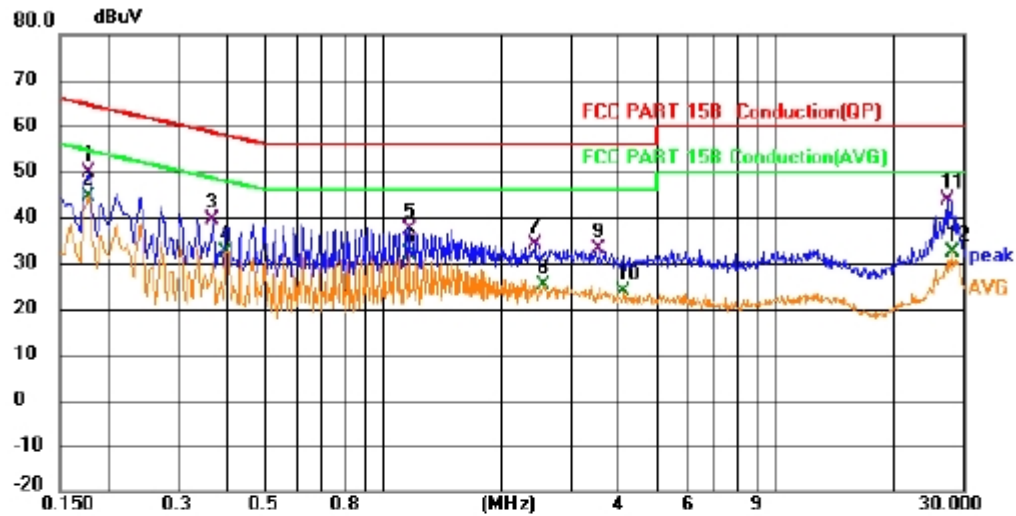
|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Where CD = Conducted Disturbance | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude           | PL = 10 dB Pulse Limiter Factor            |





## 4.1.4 Test Data:

TM1 / Line: Line

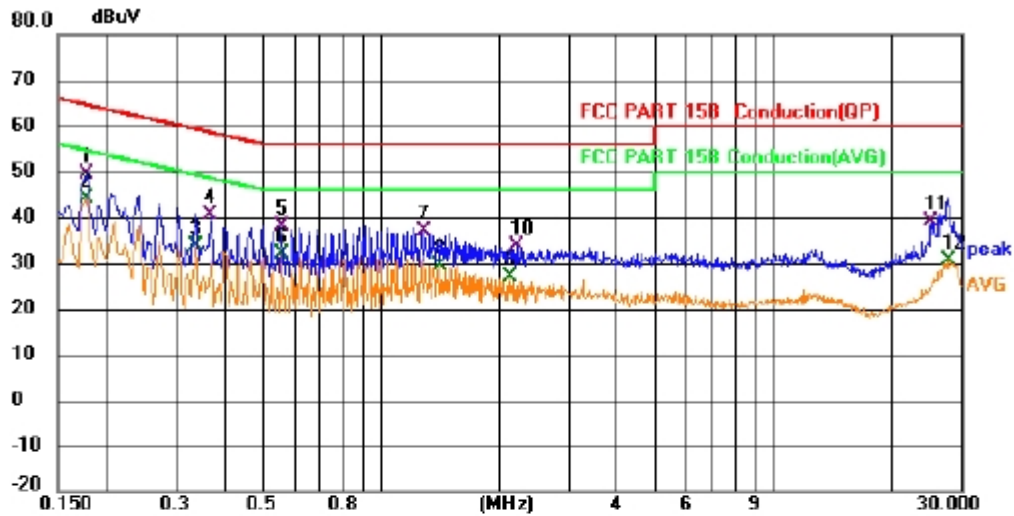


| No. | Mk. | Freq.  | Reading | Correct | Measure- | Limit | Margin |          |         |
|-----|-----|--------|---------|---------|----------|-------|--------|----------|---------|
|     |     | MHz    | Level   | Factor  | ment     |       |        | Detector | Comment |
| 1   |     | 0.177  | 30.05   | 19.63   | 49.68    | 64.63 | -14.95 | QP       |         |
| 2   | *   | 0.177  | 25.01   | 19.63   | 44.64    | 54.63 | -9.99  | AVG      |         |
| 3   |     | 0.366  | 19.67   | 19.63   | 39.30    | 58.59 | -19.29 | QP       |         |
| 4   |     | 0.398  | 12.68   | 19.63   | 32.31    | 47.90 | -15.59 | AVG      |         |
| 5   |     | 1.167  | 17.85   | 19.65   | 37.50    | 56.00 | -18.50 | QP       |         |
| 6   |     | 1.167  | 12.17   | 19.65   | 31.82    | 46.00 | -14.18 | AVG      |         |
| 7   |     | 2.445  | 14.50   | 19.68   | 34.18    | 56.00 | -21.82 | QP       |         |
| 8   |     | 2.575  | 5.45    | 19.68   | 25.13    | 46.00 | -20.87 | AVG      |         |
| 9   |     | 3.543  | 13.21   | 19.70   | 32.91    | 56.00 | -23.09 | QP       |         |
| 10  |     | 4.092  | 4.09    | 19.70   | 23.79    | 46.00 | -22.21 | AVG      |         |
| 11  |     | 27.398 | 23.75   | 20.05   | 43.80    | 60.00 | -16.20 | QP       |         |
| 12  |     | 28.212 | 12.09   | 20.07   | 32.16    | 50.00 | -17.84 | AVG      |         |





TM1 / Line: Neutral



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   |     | 0.177        | 29.82                    | 19.63                   | 49.45                    | 64.63         | -15.18       | QP       |         |
| 2   | *   | 0.177        | 24.63                    | 19.63                   | 44.26                    | 54.63         | -10.37       | AVG      |         |
| 3   |     | 0.335        | 14.22                    | 19.63                   | 33.85                    | 49.33         | -15.48       | AVG      |         |
| 4   |     | 0.366        | 20.76                    | 19.63                   | 40.39                    | 58.59         | -18.20       | QP       |         |
| 5   |     | 0.559        | 18.27                    | 19.65                   | 37.92                    | 56.00         | -18.08       | QP       |         |
| 6   |     | 0.559        | 12.27                    | 19.65                   | 31.92                    | 46.00         | -14.08       | AVG      |         |
| 7   |     | 1.293        | 17.26                    | 19.66                   | 36.92                    | 56.00         | -19.08       | QP       |         |
| 8   |     | 1.423        | 9.88                     | 19.66                   | 29.54                    | 46.00         | -16.46       | AVG      |         |
| 9   |     | 2.126        | 7.13                     | 19.69                   | 26.82                    | 46.00         | -19.18       | AVG      |         |
| 10  |     | 2.220        | 13.98                    | 19.69                   | 33.67                    | 56.00         | -22.33       | QP       |         |
| 11  |     | 25.300       | 19.04                    | 20.02                   | 39.06                    | 60.00         | -20.94       | QP       |         |
| 12  |     | 28.117       | 10.54                    | 20.07                   | 30.61                    | 50.00         | -19.39       | AVG      |         |

\*\*\*Note: 1) Pre-scan all modes and recorded the worst case results in this report.

2) Margin= Reading level + Correct factor-Limit

Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter





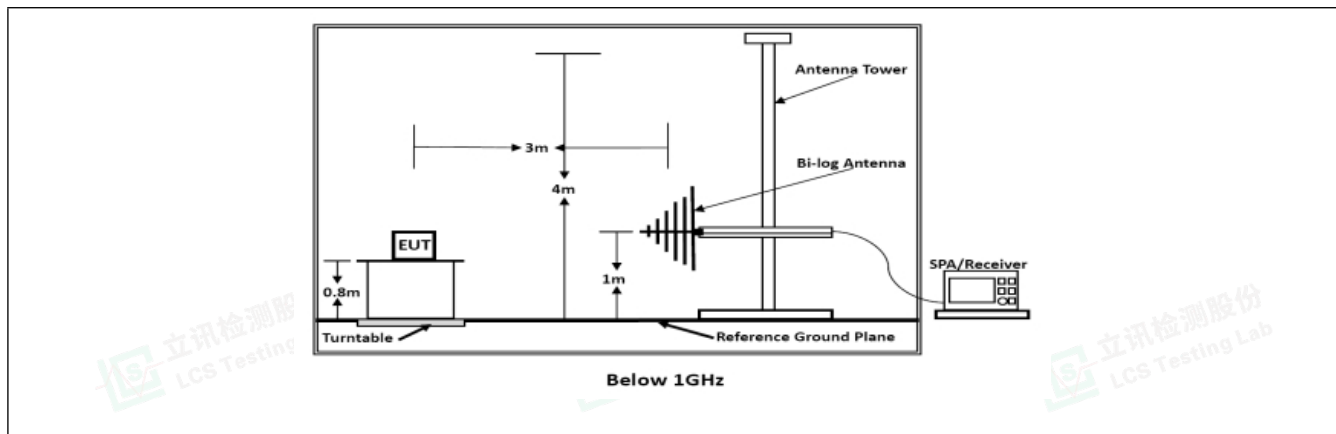
## 4.2 Radiated emissions (Below 1GHz)

|                   |                                                                                                                                                                                                                                                                                                                            |                    |          |                     |          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|---------------------|----------|
| Test Requirement: | 15.109, Class B                                                                                                                                                                                                                                                                                                            |                    |          |                     |          |
| Test Limit:       | Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:                                                                                                                                                 |                    |          |                     |          |
|                   | Frequency of emission (MHz)                                                                                                                                                                                                                                                                                                | Field strength @3m |          | Field strength @10m |          |
|                   |                                                                                                                                                                                                                                                                                                                            | (uV/m)             | (dBuV/m) | (uV/m)              | (dBuV/m) |
|                   | 30 – 88                                                                                                                                                                                                                                                                                                                    | 100                | 40       | 30                  | 29.5     |
|                   | 88 – 216                                                                                                                                                                                                                                                                                                                   | 150                | 43.5     | 45                  | 33.1     |
|                   | 216 – 960                                                                                                                                                                                                                                                                                                                  | 200                | 46       | 60                  | 35.6     |
|                   | Above 960                                                                                                                                                                                                                                                                                                                  | 500                | 54       | 150                 | 43.5     |
| Test Method:      | ANSI C63.4-2014                                                                                                                                                                                                                                                                                                            |                    |          |                     |          |
| Procedure:        | An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.<br>Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor |                    |          |                     |          |

### 4.2.1 E.U.T. Operation:

|                        |         |           |        |
|------------------------|---------|-----------|--------|
| Operating Environment: |         |           |        |
| Temperature:           | 26.4 °C | Humidity: | 54.2 % |
| Pre test mode:         | TM1     |           |        |
| Final test mode:       | TM1     |           |        |

### 4.2.2 Test Setup Diagram:





#### 4.2.3 Field Strength Calculation:

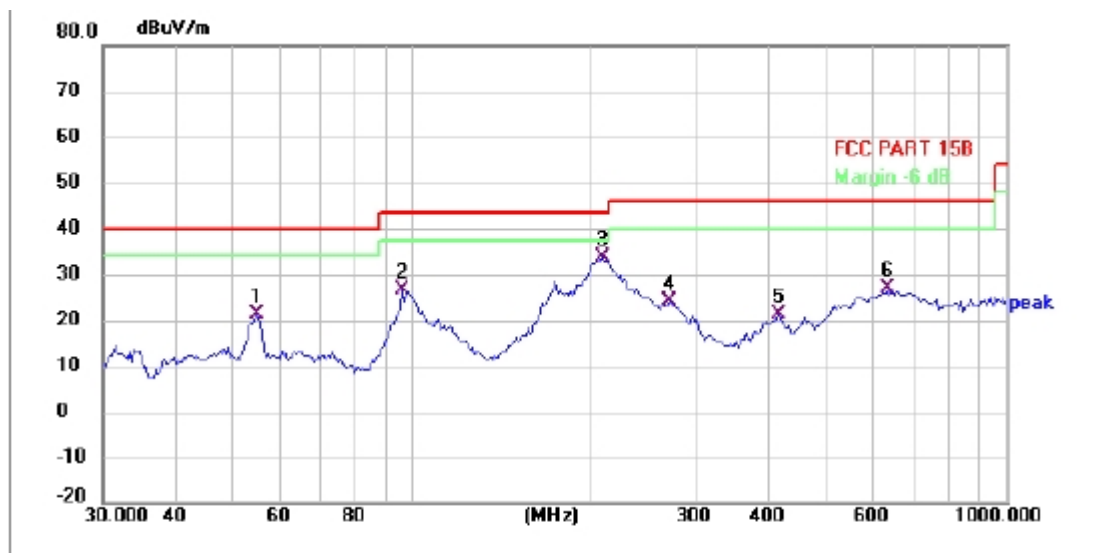
The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS \text{ (dBuV/m)} = RA \text{ (dBuV)} + AF \text{ (dB/m)} + CL \text{ (dB)} - AG \text{ (dB)}$$

|                           |                                            |
|---------------------------|--------------------------------------------|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude    | AG = Amplifier Gain                        |
| AF = Antenna Factor       |                                            |

#### 4.2.4 Test Data:

TM1 / Polarization: Horizontal

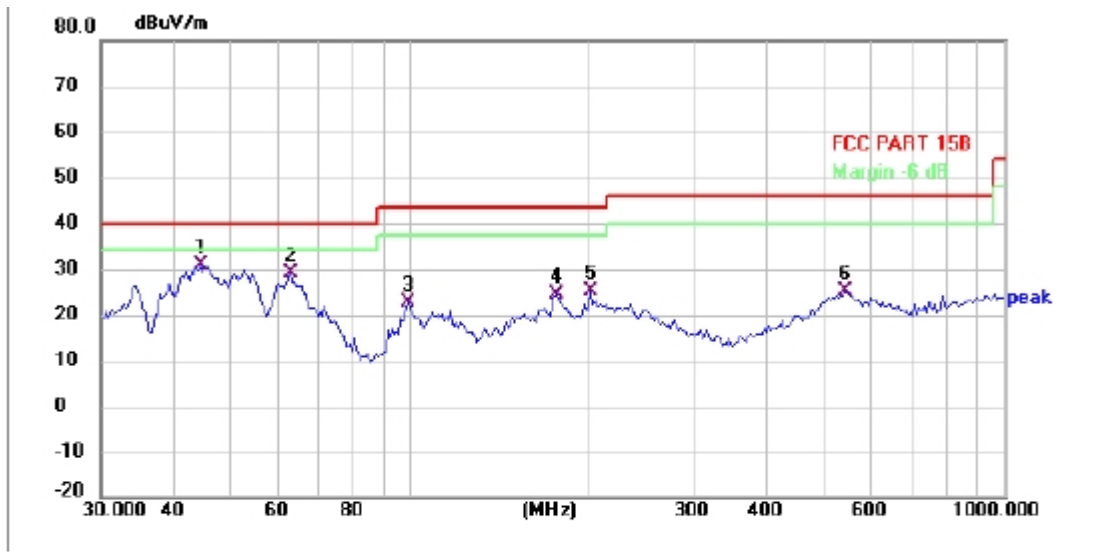


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1   | 54.517          | 38.27          | -16.88        | 21.39          | 40.00          | -18.61      | QP       | P   |        |
| 2   | 95.649          | 45.95          | -19.24        | 26.71          | 43.50          | -16.79      | QP       | P   |        |
| 3 * | 208.658         | 52.09          | -18.17        | 33.92          | 43.50          | -9.58       | QP       | P   |        |
| 4   | 270.616         | 40.69          | -16.66        | 24.03          | 46.00          | -21.97      | QP       | P   |        |
| 5   | 412.539         | 35.46          | -14.17        | 21.29          | 46.00          | -24.71      | QP       | P   |        |
| 6   | 633.328         | 37.00          | -9.94         | 27.06          | 46.00          | -18.94      | QP       | P   |        |





TM1 / Polarization: Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 44.154          | 47.32          | -16.39        | 30.93          | 40.00          | -9.07       | QP       | P   |        |
| 2   | 62.743          | 47.68          | -18.54        | 29.14          | 40.00          | -10.86      | QP       | P   |        |
| 3   | 99.069          | 41.36          | -18.63        | 22.73          | 43.50          | -20.77      | QP       | P   |        |
| 4   | 176.275         | 45.23          | -20.66        | 24.57          | 43.50          | -18.93      | QP       | P   |        |
| 5   | 201.454         | 43.62          | -18.35        | 25.27          | 43.50          | -18.23      | QP       | P   |        |
| 6   | 538.811         | 36.74          | -11.57        | 25.17          | 46.00          | -20.83      | QP       | P   |        |

Note:1).Pre-Scan all mode, Thus record worse case mode result in this report.

2) Margin= Reading level + Correct factor – Limit

Correct Factor=Antenna Factor+Cable Factor- Pre-amplifier Factor





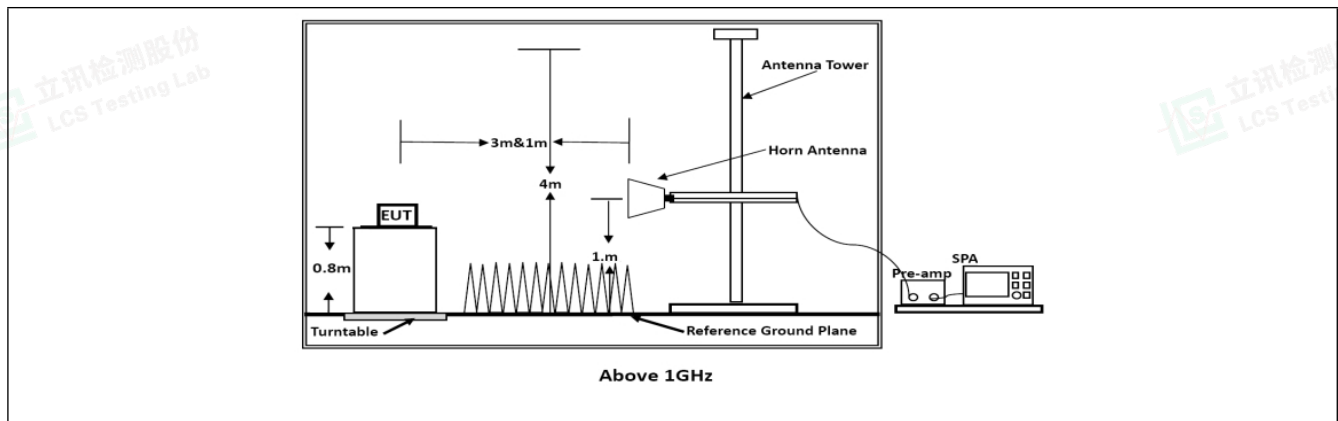
### 4.3 Radiated emissions (Above 1GHz)

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                  |               |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|---------------|
| Test Requirement: | 15.109, Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                  |               |
| Test Limit:       | Frequency of emission (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Field strength @3m |                  |               |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Average (uV/m)     | Average(d BuV/m) | Peak (dBuV/m) |
|                   | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 500                | 54               | 74            |
| Test Method:      | ANSI C63.4-2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                  |               |
| Procedure:        | An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. For below 1GHz test, Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. For above 1GHz test, Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.<br>Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor |                    |                  |               |

#### 4.3.1 E.U.T. Operation:

|                        |         |           |        |
|------------------------|---------|-----------|--------|
| Operating Environment: |         |           |        |
| Temperature:           | 23.8 °C | Humidity: | 52.5 % |
| Pre test mode:         | TM1     |           |        |
| Final test mode:       | TM1     |           |        |

#### 4.3.2 Test Setup Diagram:



#### 4.3.3 Field Strength Calculation:

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS \text{ (dBuV/m)} = RA \text{ (dBuV)} + AF \text{ (dB/m)} + CL \text{ (dB)} - AG \text{ (dB)}$$

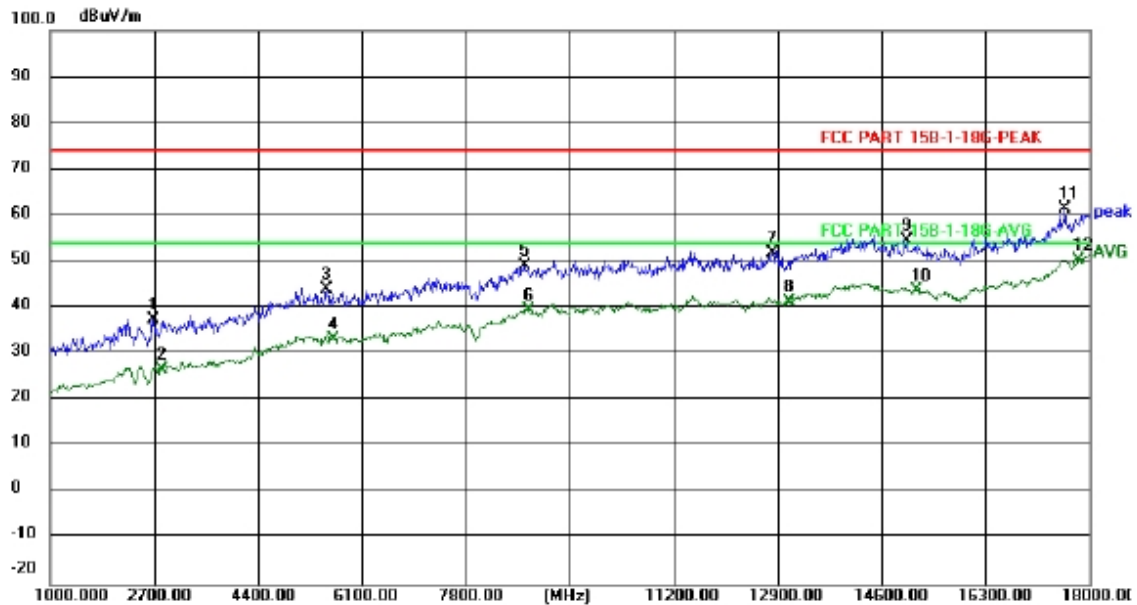
|                           |                                            |
|---------------------------|--------------------------------------------|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude    | AG = Amplifier Gain                        |
| AF = Antenna Factor       |                                            |





## 4.3.4 Test Data:

TM1 / Polarization: Horizontal

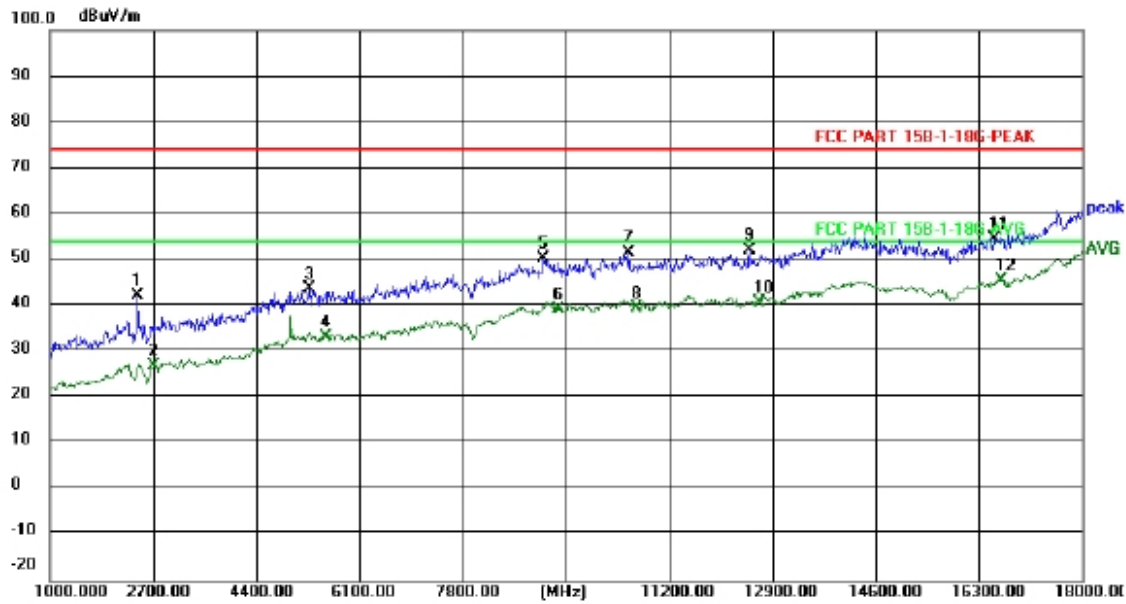


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 2683.000        | 48.06          | -10.55        | 37.51          | 74.00          | -36.49      | peak     | P   |
| 2   | 2819.000        | 36.31          | -9.80         | 26.51          | 54.00          | -27.49      | AVG      | P   |
| 3   | 5522.000        | 46.29          | -2.12         | 44.17          | 74.00          | -29.83      | peak     | P   |
| 4   | 5624.000        | 35.63          | -2.46         | 33.17          | 54.00          | -20.83      | AVG      | P   |
| 5   | 8752.000        | 45.17          | 4.07          | 49.24          | 74.00          | -24.76      | peak     | P   |
| 6   | 8820.000        | 35.38          | 4.21          | 39.59          | 54.00          | -14.41      | AVG      | P   |
| 7   | 12815.000       | 45.01          | 6.72          | 51.73          | 74.00          | -22.27      | peak     | P   |
| 8   | 13087.000       | 34.88          | 6.39          | 41.27          | 54.00          | -12.73      | AVG      | P   |
| 9   | 15008.000       | 46.09          | 8.58          | 54.67          | 74.00          | -19.33      | peak     | P   |
| 10  | 15178.000       | 34.89          | 8.90          | 43.79          | 54.00          | -10.21      | AVG      | P   |
| 11  | 17609.000       | 45.23          | 16.09         | 61.32          | 74.00          | -12.68      | peak     | P   |
| 12  | 17830.000       | 34.02          | 16.28         | 50.30          | 54.00          | -3.70       | AVG      | P   |





TM1 / Polarization: Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 2445.000        | 53.83          | -11.53        | 42.30          | 74.00          | -31.70      | peak     | P   |
| 2   | 2717.000        | 37.45          | -10.58        | 26.87          | 54.00          | -27.13      | AVG      | P   |
| 3   | 5267.000        | 47.39          | -3.64         | 43.75          | 74.00          | -30.25      | peak     | P   |
| 4   | 5539.000        | 36.58          | -3.25         | 33.33          | 54.00          | -20.67      | AVG      | P   |
| 5   | 9126.000        | 48.19          | 2.10          | 50.29          | 74.00          | -23.71      | peak     | P   |
| 6   | 9364.000        | 36.77          | 2.49          | 39.26          | 54.00          | -14.74      | AVG      | P   |
| 7   | 10537.000       | 46.97          | 4.52          | 51.49          | 74.00          | -22.51      | peak     | P   |
| 8   | 10656.000       | 34.75          | 4.74          | 39.49          | 54.00          | -14.51      | AVG      | P   |
| 9   | 12526.000       | 45.69          | 6.45          | 52.14          | 74.00          | -21.86      | peak     | P   |
| 10  | 12679.000       | 34.52          | 6.38          | 40.90          | 54.00          | -13.10      | AVG      | P   |
| 11  | 16555.000       | 45.09          | 9.55          | 54.64          | 74.00          | -19.36      | peak     | P   |
| 12  | 16674.000       | 35.45          | 10.02         | 45.47          | 54.00          | -8.53       | AVG      | P   |

Note:1).Pre-Scan all mode, Thus record worse case mode result in this report.

2) Margin= Reading level + Correct factor – Limit

Correct Factor=Antenna Factor+Cable Factor- Pre-amplifier Factor





## 5. TEST SETUP PHOTOS

Refer to Appendix - Test Setup Photos for LCSA08134228E.docx

## 6. EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)

Refer to Appendix - EUT Photos for LCSA08134228E.docx

--- End of Report ---

