

# **TEST REPORT**

| 10 DC 102-0303-3301 | Report No.: | BCTC2405654336E |
|---------------------|-------------|-----------------|
|---------------------|-------------|-----------------|

Applicant: JEM ACCESSORIES INC.

Product Name: MN LED RGB+IC WIFI 100FT MLW7-1004-ICM

Test Model: MLW7-1004-ICM

Tested Date: 2024-05-16 to 2024-05-28

Issued Date: 2024-06-25

Shenzhen BCTC Testing Co., Ltd.



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# FCC ID: 2AHAS-MLW71004K

Product Name: MN LED RGB+IC WIFI 100FT MLW7-1004-ICM

Trademark: MONSTER

Model/Type reference: MLW7-1004-ICM

Prepared For: JEM ACCESSORIES INC.

Address: 32 Brunswick Avenue Edison New Jersey 08817 United States

Manufacturer: JEM ACCESSORIES INC.

Address: 32 Brunswick Avenue Edison New Jersey 08817 United States

Prepared By: Shenzhen BCTC Testing Co., Ltd.

Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road,

Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Sample Received Date: 2024-05-14

Sample tested Date: 2024-05-16 to 2024-05-28

Issue Date: 2024-06-25

Report No.: BCTC2405654336E

Test Standards: FCC Part 15B ANSI C63.4:2014

Test Results: PASS

Tested by:

Brave 2emg

Brave Zeng/ Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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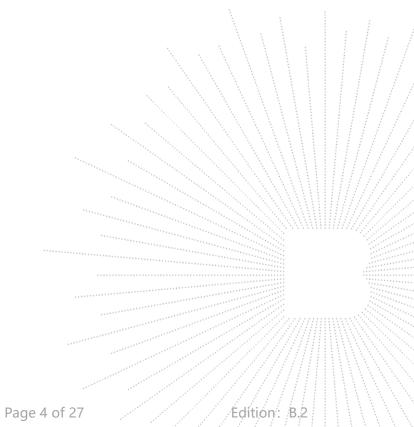
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(Note: N/A Means Not Applicable)



#### Version 1.

| Report No.      | Issue Date | Description | Approved |
|-----------------|------------|-------------|----------|
| BCTC2405654336E | 2024-06-25 | Original    | Valid    |
|                 |            |             |          |



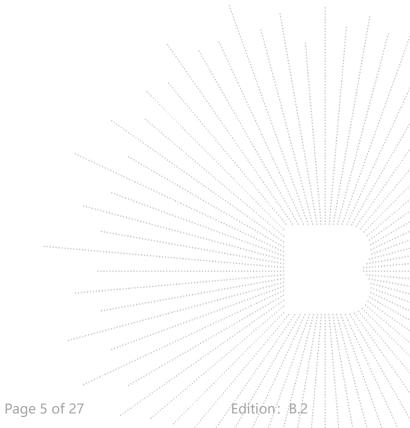
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#### 2. **Test Summary**

The Product has been tested according to the following specifications:

| Standard   | Test Item          | Test result |
|------------|--------------------|-------------|
| FCC 15.107 | Conducted Emission | Pass        |
| FCC 15.109 | Radiated Emission  | Pass        |



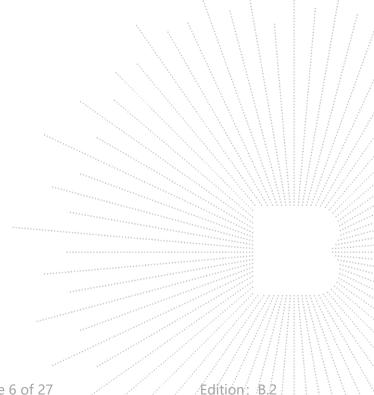
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# 3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

| Test item                         | Value (dB) |
|-----------------------------------|------------|
| Conducted Emission (150kHz-30MHz) | 3.10       |
| Radiated Emission(30MHz~200MHz)   | 4.60       |
| Radiated Emission(200MHz~1GHz)    | 5.20       |
| Radiated Emission(1GHz~6GHz)      | 5.20       |



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# 4. Product Information And Test Setup

# 4.1 Product Information

| Ratings:                     | DC 24V from adapter  |
|------------------------------|--|
| _                            | MODEL NO: HH0024Z-240100-AU  |
| Adapter Information:         | INPUT: 100-240V~50/60Hz 0.8A Max                                     |
| •                            | OUTPUT: DC 24.0V 1.0A  |
| The highest frequency of the | ☐ less than 1.705 MHz, the measurement shall only be made up to 30   |
| internal sources of the EUT  | MHz.   |
| is above 1 GHz:              | between 1.705 MHz and 108 MHz, the measurement shall only be         |
|                              | made up to 1 GHz.  |
|                              | between 108 MHz and 500 MHz, the measurement shall only be           |
|                              | made up to 2 GHz.  |
|                              | between 500 MHz and 1 GHz, the measurement shall only be made        |
|                              | up to 5 GHz.   |
|                              | above 1 GHz, the measurement shall be made up to 5 times the highest |
|                              | frequency or 40GHz, whichever is less.                               |

#### Cable of Product

| No. | Cable<br>Type | Quantity | Provider  | Length<br>(m) | Shielded | Note                                     |
|-----|---------------|----------|-----------|---------------|----------|--|
| 1   |               |          | Applicant |               | Yes/No   | With a ferrite ring in mid<br>Detachable |
| 2   |               |          | встс      |               | Yes/No   |  |

# 4.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP PHOTOGRAPHS for the actual connections between Product and support equipment.

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# 4.3 Support Equipment

| No. | Device Type | Brand | Model                 | Series No. | Note |
|-----|-------------|-------|-----------------------|------------|------|
| 1.  | Adapter     |       | HH0024Z-24010<br>0-AU |            |      |

#### Notes:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

# 4.4 Test Mode

| Test item  | Test Mode                            | Test Voltage |
|--|--------------------------------------|--------------|
| Conducted Emission<br>(150KHz-30MHz) Class B   | WIFI Link+ Normal operating+BLE Link | AC 120V/60Hz |
| Radiated emission(30MHz-1GHz)<br>Class B   | WIFI Link+ Normal operating+BLE Link | AC 120V/60Hz |
| Radiated emissions(1 – 6 GHz) 108≤F<500MHz up to 2G 500≤F<1GHz up to 5G 1GHz ≤F up to 6G □Class A ⊠Class B | WIFI Link+ Normal operating+BLE Link | AC 120V/60Hz |





# 5. Test Facility And Test Instrument Used

# 5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

# 5.2 Test Instrument Used

| Conducted Emissions Test |              |             |                |              |              |  |
|--------------------------|--------------|-------------|----------------|--------------|--------------|--|
| Equipment                | Manufacturer | Model#      | Serial#        | Last Cal.    | Next Cal.    |  |
| Receiver                 | R&S          | ESR3        | 102075         | May 16, 2024 | May 15, 2025 |  |
| LISN                     | R&S          | ENV216      | 101375         | May 16, 2024 | May 15, 2025 |  |
| Software                 | Frad         | EZ-EMC      | EMC-CON<br>3A1 | \            | \            |  |
| Pulse limiter            | Schwarzbeck  | VTSD 9561-F | 01323          | May 16, 2024 | May 15, 2025 |  |

| Radiated Emissions Test (966 Chamber#01) |              |                      |              |              |              |  |
|--|--------------|----------------------|--------------|--------------|--------------|--|
| Equipment                                | Manufacturer | Model#               | Serial#      | Last Cal.    | Next Cal.    |  |
| 966 chamber                              | ChengYu      | 966 Room             | 966          | May 15, 2023 | May 14, 2026 |  |
| Receiver                                 | R&S          | ESRP                 | 101154       | May 16, 2024 | May 15, 2025 |  |
| Receiver                                 | R&S          | ESR3                 | 102075       | May 16, 2024 | May 15, 2025 |  |
| Amplifier                                | SKET         | LAPA_01G18<br>G-45dB | SK2021040901 | May 16, 2024 | May 15, 2025 |  |
| Amplifier                                | Schwarzbeck  | BBV9744              | 9744-0037    | May 16, 2024 | May 15, 2025 |  |
| TRILOG<br>Broadband<br>Antenna           | schwarzbeck  | VULB9163             | 942          | May 21, 2024 | May 20, 2025 |  |
| Horn Antenna                             | schwarzbeck  | BBHA9120D            | 1541         | May 21, 2024 | May 20, 2025 |  |
| Software                                 | Frad         | EZ-EMC               | FA-03A2 RE   |              |              |  |

| Radiated Emissions Test (966 Chamber#02) |              |                      |              |               |  |  |  |
|--|--------------|----------------------|--------------|---------------|--|--|--|
| Equipment                                | Manufacturer | Model#               | Serial#      | Last Cal.     | Next Cal.                                |  |  |
| 966 chamber                              | SKET         | 966 Room             | 966          | Nov. 02. 2021 | Nov. 01.2024                             |  |  |
| Receiver                                 | R&S          | ESR3                 | 102075       | May 16, 2024  | May 15, 2025                             |  |  |
| Receiver                                 | R&S          | ESRI7                | 100010       | Nov. 13. 2023 | Nov. 12, 2024                            |  |  |
| TRILOG<br>Broadband<br>Antenna           | Schwarzbeck  | VULB9168             | 1323         | Feb. 28, 2024 | Feb. 27, 2025                            |  |  |
| Amplifier                                | SKET         | LNPA-30M01<br>G-30   | SK2021082004 | Nov. 13. 2023 | Nov. 12, 2024                            |  |  |
| Software                                 | SKET         | EZ-EMC               | FA-03A1      |               | A. A |  |  |
| Horn Antenna                             | schwarzbeck  | BBHA9120D            | 1541         | May 21, 2024  | May 20, 2025                             |  |  |
| Amplifier                                | SKET         | LAPA_01G18<br>G-45dB | SK2021040901 | May 16, 2024  | May 15, 2025                             |  |  |

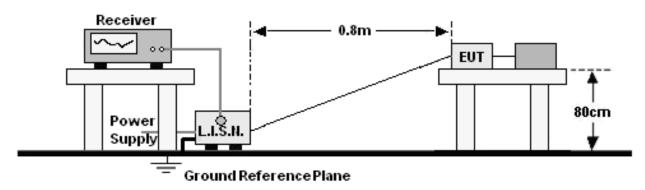
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#### 6. Conducted Emission At The Mains Terminals Test

# 6.1 Block Diagram Of Test Setup

#### For mains ports:



### 6.2 Limit

# **Limits for Class B devices**

| Frequency range | Limits o   | dB(μV)    |
|-----------------|------------|-----------|
| (MHz)           | Quasi-peak | Average   |
| 0,15 to 0,50    | 66 to 56*  | 56 to 46* |
| 0,50 to 5       | 56         | 46        |
| 5 to 30         | 60         | 50        |

Notes: 1. \*Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

#### 6.3 Test Procedure

#### For mains ports:

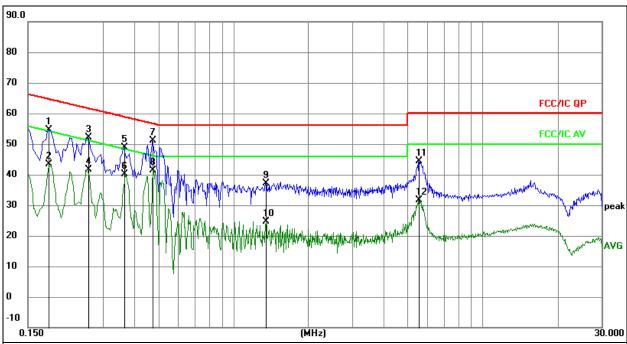
- a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

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# 6.4 Test Result

| Temperature: | 26 ℃                        | Relative Humidity: | 54%  |
|--------------|-----------------------------|--------------------|------|
| Pressure:    | 101kPa                      | Phase :            | Line |
| Test Mode:   | WIFI Link+ Normal operating | Remark:            | N/A  |

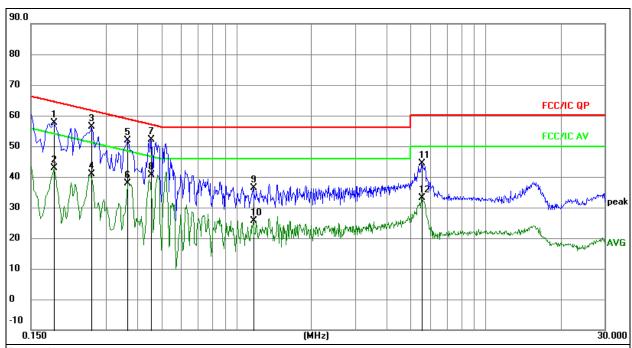


- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.
- 3. Measurement=Reading Level+ Correct Factor
- 4. Over=Measurement-Limit

| 0 10. | modearo | IIICIII LIIIIII |                  |                   |                  |       | 1 1 1 1 | _ : : : : |
|-------|---------|-----------------|------------------|-------------------|------------------|-------|---------|-----------|
| No.   | Mk.     | Freq.           | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over    |           |
|       |         | MHz             |                  | dB                | dBu∨             | dBuV  | dB      | Detector  |
| 1     |         | 0.1815          | 34.77            | 19.79             | 54.56            | 64.42 | -9.86   | QP        |
| 2     |         | 0.1815          | 23.59            | 19.79             | 43.38            | 54.42 | -11.04  | AVG       |
| 3     |         | 0.2625          | 32.26            | 19.83             | 52.09            | 61.35 | -9.26   | QP        |
| 4     |         | 0.2625          | 21.85            | 19.83             | 41.68            | 51.35 | -9.67   | AVG       |
| 5     |         | 0.3660          | 29.15            | 19.84             | 48.99            | 58.59 | -9.60   | QP        |
| 6     |         | 0.3660          | 20.26            | 19.84             | 40.10            | 48.59 | -8.49   | AVG       |
| 7     |         | 0.4740          | 31.17            | 19.84             | 51.01            | 56.44 | -5.43   | QP        |
| 8     | *       | 0.4740          | 21.62            | 19.84             | 41.46            | 46.44 | -4.98   | AVG       |
| 9     |         | 1.3515          | 17.20            | 19.95             | 37.15            | 56.00 | -18.85  | QP        |
| 10    |         | 1.3515          | 4.70             | 19.95             | 24.65            | 46.00 | -21.35  | AVG       |
| 11    |         | 5.5545          | 24.14            | 20.30             | 44.44            | 60.00 | -15.56  | QP        |
| 12    |         | 5.5545          | 11.28            | 20.30             | 31.58            | 50.00 | -18.42  | AVG       |
|       |         |                 |                  |                   |                  |       |         |           |



| Temperature: | 26 ℃                        | Relative Humidity: | 54%     |
|--------------|-----------------------------|--------------------|---------|
| Pressure:    | 101kPa                      | Phase :            | Neutral |
| Test Mode:   | WIFI Link+ Normal operating | Remark:            | N/A     |



- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.
- 3. Measurement=Reading Level+ Correct Factor
- 4. Over=Measurement-Limit

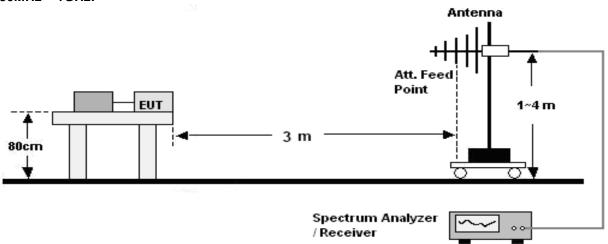
|     |     |        | - II    | <u> </u> | D 4      |        |        |          |
|-----|-----|--------|---------|----------|----------|--------|--------|----------|
|     |     | _      | Reading | Correct  | Measure- | Linait | 0.75   |          |
| No. | Mk. | Freq.  | Level   | Factor   | ment     | Limit  | Over   |          |
|     |     | MHz    |         | dB       | dBu∨     | dBuV   | dB     | Detector |
| 1   |     | 0.1860 | 37.87   | 19.80    | 57.67    | 64.21  | -6.54  | QP       |
| 2   |     | 0.1860 | 23.01   | 19.80    | 42.81    | 54.21  | -11.40 | AVG      |
| 3   |     | 0.2625 | 36.47   | 19.83    | 56.30    | 61.35  | -5.05  | QP       |
| 4   |     | 0.2625 | 21.08   | 19.83    | 40.91    | 51.35  | -10.44 | AVG      |
| 5   |     | 0.3660 | 32.12   | 19.84    | 51.96    | 58.59  | -6.63  | QP       |
| 6   |     | 0.3660 | 17.96   | 19.84    | 37.80    | 48.59  | -10.79 | AVG      |
| 7   | *   | 0.4560 | 32.38   | 19.84    | 52.22    | 56.77  | -4.55  | QP       |
| 8   |     | 0.4560 | 20.68   | 19.84    | 40.52    | 46.77  | -6.25  | AVG      |
| 9   |     | 1.1670 | 16.53   | 19.95    | 36.48    | 56.00  | -19.52 | QP       |
| 10  |     | 1.1670 | 5.64    | 19.95    | 25.59    | 46.00  | -20.41 | AVG      |
| 11  |     | 5.5635 | 23.99   | 20.30    | 44.29    | 60.00  | -15.71 | QP       |
| 12  |     | 5.5635 | 12.80   | 20.30    | 33.10    | 50.00  | -16.90 | AVG      |



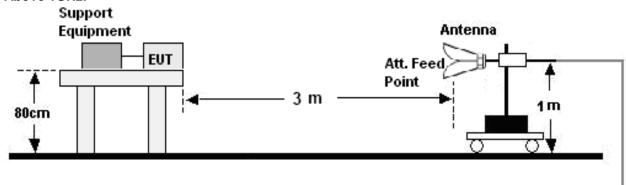
# 7. Radiation Emission Test

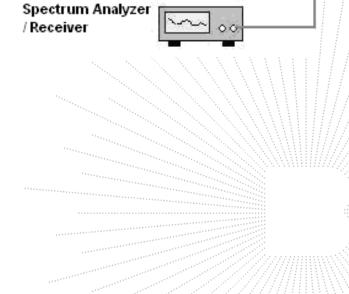
# 7.1 Block Diagram Of Test Setup

# 30MHz ~ 1GHz:



#### **Above 1GHz:**





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#### 7.2 Limit

#### **Limits for Class B devices**

| Eroguanay (MUz) | limits at 3m dB(μV/m) |             |             |  |  |  |
|-----------------|-----------------------|-------------|-------------|--|--|--|
| Frequency (MHz) | QP Detector           | PK Detector | AV Detector |  |  |  |
| 30-88           | 40.0                  |             |             |  |  |  |
| 88-216          | 43.5                  |             |             |  |  |  |
| 216-960         | 46.0                  |             |             |  |  |  |
| 960 to 1000     | 54.0                  |             |             |  |  |  |
| Above 1000      |                       | 74.0        | 54.0        |  |  |  |

Note: The lower limit shall apply at the transition frequencies.

#### 7.3 Test Procedure

#### 30MHz ~ 1GHz:

- a. The Product was placed on the nonconductive turntable 0.8 m above the ground at a chamber.
- b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
- c. For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

#### Above 1GHz:

- a. The Product was placed on the non-conductive turntable 0.8 m above the ground at a chamber.
- b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
- c. For each frequency whose maximum record was higher or close to limit, measure its AV value: rotate the turntable from 0 to 360 degrees to find the degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to AV value and specified bandwidth with Maximum Hold Mode, and record the maximum value.

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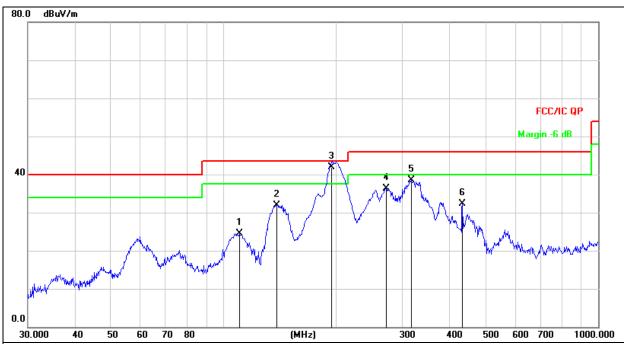


7.4 Test Result

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#### Below 1GHz

| Temperature: | 26 ℃                        | Relative Humidity: | 54%        |
|--------------|-----------------------------|--------------------|------------|
| Pressure:    | 101KPa                      | Phase :            | Horizontal |
| Test Mode:   | WIFI Link+ Normal operating | Remark:            | N/A        |

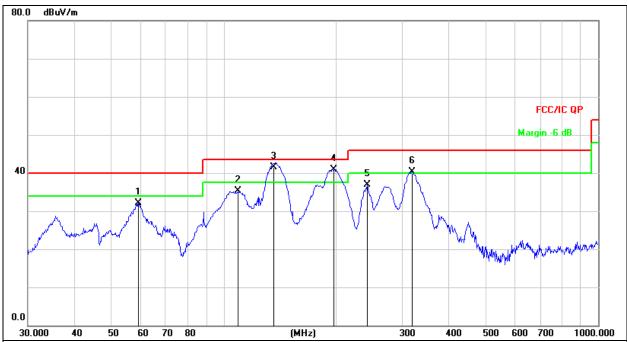


- Factor = Antenna Factor + Cable Loss Pre-amplifier.
   Measurement=Reading Level+ Correct Factor
- 3. Over=Measurement-Limit

| No. Mk.         Freq.         Level         Factor         ment         Limit         Over           MHz         dBuV         dB         dBuV/m         dB/m         dB         Dete           1         110.1816         41.21         -16.64         24.57         43.50         -18.93         QF           2         138.3873         50.60         -18.62         31.98         43.50         -11.52         QF           3         * 194.0575         58.10         -16.16         41.94         43.50         -1.56         QF           4         272.2776         50.09         -13.82         36.27         46.00         -9.73         QF           5         316.5889         51.10         -12.66         38.44         46.00         -7.56         QF |     |      |         | Reading | Correct | Measure- |       |        |          |
|---|-----|------|---------|---------|---------|----------|-------|--------|----------|
| 1       110.1816       41.21       -16.64       24.57       43.50       -18.93       QF         2       138.3873       50.60       -18.62       31.98       43.50       -11.52       QF         3       * 194.0575       58.10       -16.16       41.94       43.50       -1.56       QF         4       272.2776       50.09       -13.82       36.27       46.00       -9.73       QF         5       316.5889       51.10       -12.66       38.44       46.00       -7.56       QF  | No. | Mk.  | Freq.   | •       |         |          | Limit | Over   |          |
| 2 138.3873 50.60 -18.62 31.98 43.50 -11.52 QF<br>3 * 194.0575 58.10 -16.16 41.94 43.50 -1.56 QF<br>4 272.2776 50.09 -13.82 36.27 46.00 -9.73 QF<br>5 316.5889 51.10 -12.66 38.44 46.00 -7.56 QF   |     |      | MHz     | dBu∨    | dB      | dBuV/m   | dB/m  | dB     | Detector |
| 3 * 194.0575       58.10       -16.16       41.94       43.50       -1.56       QF         4 272.2776       50.09       -13.82       36.27       46.00       -9.73       QF         5 316.5889       51.10       -12.66       38.44       46.00       -7.56       QF  | 1   | 1    | 10.1816 | 41.21   | -16.64  | 24.57    | 43.50 | -18.93 | QP       |
| 4 272.2776 50.09 -13.82 36.27 46.00 -9.73 QF<br>5 316.5889 51.10 -12.66 38.44 46.00 -7.56 QF  | 2   | 13   | 38.3873 | 50.60   | -18.62  | 31.98    | 43.50 | -11.52 | QP       |
| 5 316.5889 51.10 -12.66 38.44 46.00 -7.56 QF  | 3   | * 19 | 94.0575 | 58.10   | -16.16  | 41.94    | 43.50 | -1.56  | QP       |
|   | 4   | 2    | 72.2776 | 50.09   | -13.82  | 36.27    | 46.00 | -9.73  | QP       |
| 6 434.0650 42.50 -10.17 32.33 46.00 -13.67 QF   | 5   | 3′   | 16.5889 | 51.10   | -12.66  | 38.44    | 46.00 | -7.56  | QP       |
|   | 6   | 43   | 34.0650 | 42.50   | -10.17  | 32.33    | 46.00 | -13.67 | QP       |



| Temperature: | 26 ℃                        | Relative Humidity: | 54%      |
|--------------|-----------------------------|--------------------|----------|
| Pressure:    | 101KPa                      | Phase :            | Vertical |
| Hest Mode:   | WIFI Link+ Normal operating | Remark:            | N/A      |



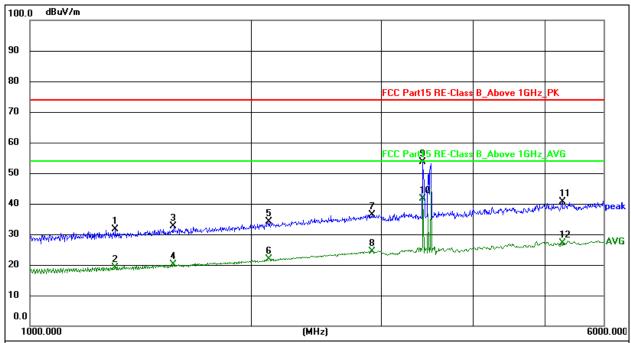
- 1. Factor = Antenna Factor + Cable Loss Pre-amplifier.
- 2. Measurement=Reading Level+ Correct Factor
- 3. Over=Measurement-Limit

| No. | Mk | . Freq.  | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over  |          |
|-----|----|----------|------------------|-------------------|------------------|-------|-------|----------|
|     |    | MHz      | dBuV             | dB                | dBuV/m           | dB/m  | dB    | Detector |
| 1   |    | 59.2325  | 47.28            | -15.15            | 32.13            | 40.00 | -7.87 | QP       |
| 2   |    | 109.4116 | 51.85            | -16.59            | 35.26            | 43.50 | -8.24 | QP       |
| 3   | *  | 135.7449 | 59.84            | -18.43            | 41.41            | 43.50 | -2.09 | QP       |
| 4   | İ  | 196.2948 | 56.87            | -15.99            | 40.88            | 43.50 | -2.62 | QP       |
| 5   |    | 241.6761 | 51.37            | -14.53            | 36.84            | 46.00 | -9.16 | QP       |
| 6   | ļ  | 318.8170 | 52.97            | -12.58            | 40.39            | 46.00 | -5.61 | QP       |
|     |    |          |                  |                   |                  |       |       |          |



#### Above 1G

| Temperature: | 26 ℃                        | Relative Humidity: | 54%        |
|--------------|-----------------------------|--------------------|------------|
| Pressure:    | 101KPa                      | Phase :            | Horizontal |
| Test Mode:   | WIFI Link+ Normal operating | Remark:            | N/A        |

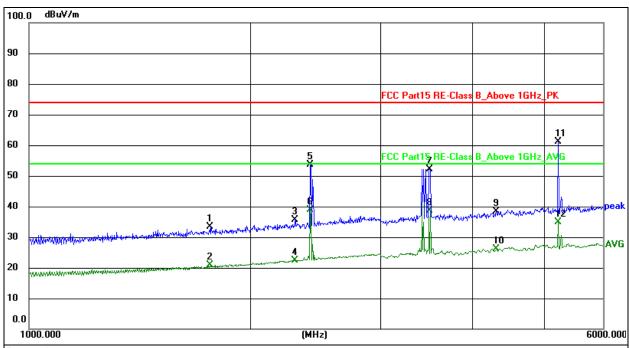


- 1.Factor = Antenna Factor + Cable Loss Pre-amplifier.
- Measurement=Reading Level+ Correct Factor
   Over=Measurement-Limit

| . Ovor-modeduromonic Emine |                    |                   |                  |                   |                   |                |          |  |  |  |
|----------------------------|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|--|--|--|
| No.                        | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |  |  |  |
| 1                          | 1306.004           | 60.04             | -28.29           | 31.75             | 74.00             | -42.25         | peak     |  |  |  |
| 2                          | 1306.004           | 47.49             | -28.29           | 19.20             | 54.00             | -34.80         | AVG      |  |  |  |
| 3                          | 1567.891           | 59.98             | -27.45           | 32.53             | 74.00             | -41.47         | peak     |  |  |  |
| 4                          | 1567.891           | 47.47             | -27.45           | 20.02             | 54.00             | -33.98         | AVG      |  |  |  |
| 5                          | 2111.004           | 59.94             | -25.76           | 34.18             | 74.00             | -39.82         | peak     |  |  |  |
| 6                          | 2111.004           | 47.56             | -25.76           | 21.80             | 54.00             | -32.20         | AVG      |  |  |  |
| 7                          | 2909.231           | 59.90             | -23.44           | 36.46             | 74.00             | -37.54         | peak     |  |  |  |
| 8                          | 2909.231           | 47.90             | -23.44           | 24.46             | 54.00             | -29.54         | AVG      |  |  |  |
| 9                          | 3406.085           | 76.01             | -22.50           | 53.51             | 74.00             | -20.49         | peak     |  |  |  |
| 10 *                       | 3406.085           | 64.02             | -22.50           | 41.52             | 54.00             | -12.48         | AVG      |  |  |  |
| 11                         | 5273.809           | 59.79             | -19.17           | 40.62             | 74.00             | -33.38         | peak     |  |  |  |
| 12                         | 5273.809           | 46.31             | -19.17           | 27.14             | 54.00             | -26.86         | AVG      |  |  |  |



| Temperature: | 26 ℃                        | Relative Humidity: | 54%      |
|--------------|-----------------------------|--------------------|----------|
| Pressure:    | 101KPa                      | Phase :            | Vertical |
| Liest Mode.  | WIFI Link+ Normal operating | Remark:            | N/A      |



- 1.Factor = Antenna Factor + Cable Loss Pre-amplifier.2. Measurement=Reading Level+ Correct Factor
- 3. Over=Measurement-Limit

| No.  | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|------|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|
| 1    | 1761.553           | 60.31             | -26.84           | 33.47             | 74.00             | -40.53         | peak     |
| 2    | 1761.553           | 47.64             | -26.84           | 20.80             | 54.00             | -33.20         | AVG      |
| 3    | 2296.477           | 60.76             | -25.22           | 35.54             | 74.00             | -38.46         | peak     |
| 4    | 2296.477           | 47.72             | -25.22           | 22.50             | 54.00             | -31.50         | AVG      |
| 5    | 2410.306           | 78.50             | -24.89           | 53.61             | 74.00             | -20.39         | peak     |
| 6    | 2410.306           | 63.87             | -24.89           | 38.98             | 54.00             | -15.02         | AVG      |
| 7    | 3492.606           | 74.49             | -22.35           | 52.14             | 74.00             | -21.86         | peak     |
| 8    | 3492.606           | 60.99             | -22.35           | 38.64             | 54.00             | -15.36         | AVG      |
| 9    | 4299.472           | 59.33             | -20.88           | 38.45             | 74.00             | -35.55         | peak     |
| 10   | 4299.472           | 47.06             | -20.88           | 26.18             | 54.00             | -27.82         | AVG      |
| 11 * | 5217.416           | 80.33             | -19.22           | 61.11             | 74.00             | -12.89         | peak     |
| 12   | 5217.416           | 54.18             | -19.22           | 34.96             | 54.00             | -19.04         | AVG      |



# 8. EUT Photographs

# **EUT Photo 1**



# **EUT Photo 2**



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#### **EUT Photo 3**



#### **EUT Photo 4**



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# **EUT Photo 5**



# **EUT Photo 6**



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#### **EUT Photo 7**



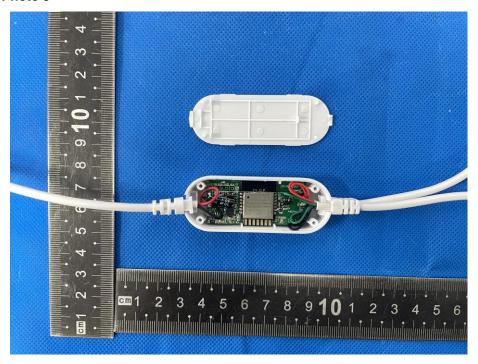
#### **EUT Photo 8**



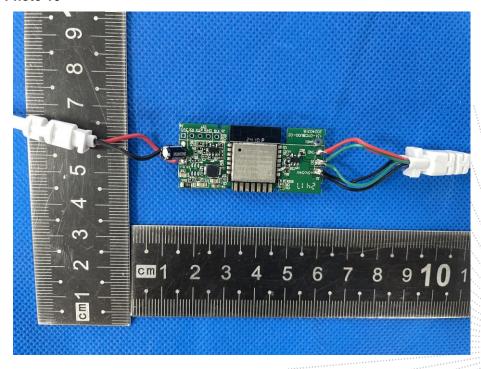
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#### **EUT Photo 9**



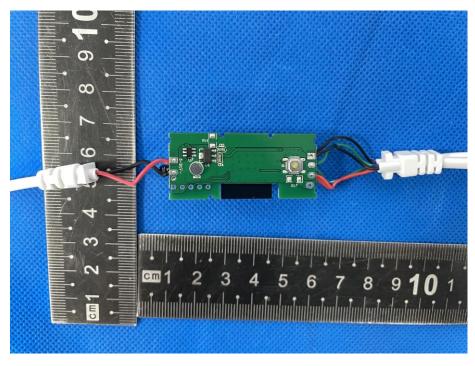
#### **EUT Photo 10**



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# **EUT Photo 11**



#### **EUT Photo 12**

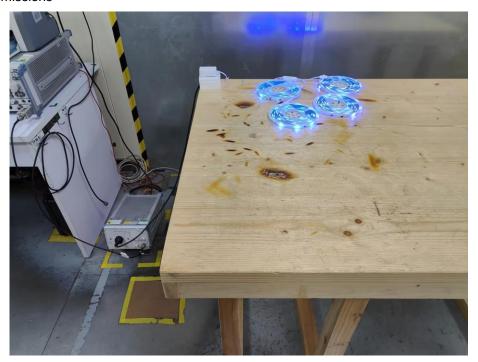


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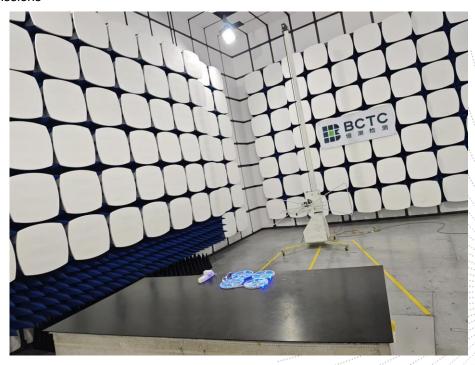


# 9. EUT Test Setup Photographs

# Conducted emissions



#### Radiated emissions

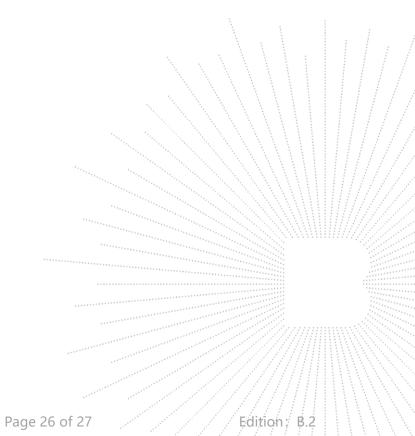


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# Radiated emissions (Above 1G)





No.: BCTC/RF-EMC-005



#### STATEMENT

- 1. The equipment lists are traceable to the national reference standards.
- 2. The test report can not be partially copied unless prior written approval is issued from our lab.
- 3. The test report is invalid without the "special seal for inspection and testing".
- 4. The test report is invalid without the signature of the approver.
- 5. The test process and test result is only related to the Unit Under Test.
- 6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
- 7. The quality system of our laboratory is in accordance with ISO/IEC17025.
- 8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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\*\*\*\* END \*\*\*\*