

TEST REPORT

| Model Number : | | |
|--|---|---|
| Prepared for Address | : | Goods iQ 50 Romano Vineyard Way North Kingstown, Rhode Island, United States 02852 |
| Prepared by Address | | EMTEK (NINGBO) CO., LTD. 1F Building 4, 1177#, Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, Zhejiang, China. Tel: +86-574-27907998 Fax: +86-574-27721538 |
| Report Number Date(s) of Tests Date of Issue | | ENB2108160213W00101R August 16, 2021 to September 07, 2021 September 13, 2021 |

EMTEK(Ningbo) Co., Ltd.



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| TEST REPORT DESCRIPTIC | N |
|------------------------|---|
|------------------------|---|

| Applicant | : | Goods iQ |
|--------------|---|--|
| Address | : | 50 Romano Vineyard Way North Kingstown, Rhode Island, United States 02852. |
| Manufacturer | : | NINGBO CHINYO LIGHTING APPLIANCE CO., LTD |
| Address | : | No. 7, Ketai Road, Wangchun Industrial Zone, Haishu District, Ningbo, Zhejiang |
| EUT | : | LED LAMP |
| Model Name | : | LED2100-QISM-S, LED2100-QISM, LED2100-QISM-BK, LED2100-QISM-WH, LED2100-QISM-WD, LED2200-QISM-BK, LED2200-QISM-WH |
| Trademark | : | BLACK+DECKER |

We hereby certify that:

The above equipment was tested by EMTEK (NINGBO) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15C

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

| Date of Test : | August 16, 2021 to September 07, 2021 |
|--------------------------------|---------------------------------------|
| Prepared by : | June Gao/Engineer |
| Reviewer : | Vinay/Supervisor |
| Approved & Authorized Signer : | Tony Wei Tony Wei/Manager |

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Modified Information

| Version | Report No. | Revision Data | Summary | |
|------------------------------|------------|---------------|------------------|--|
| Ver.1.0 ENB2108160213W00101R | | 1 | Original Version | |





1. SUMMARY OF TEST RESULTS

| EMISSION | | | | |
|------------------------------|--|---------|--|--|
| Description of Test Item | Standard & Limits | Results | | |
| Conducted Emission | FCC Part 15, Subpart C- Section 15.207 ANSI C63.10-2013 | Pass | | |
| Radiated Emission | FCC Part 15, Subpart C- Section 15.209 ANSI C63.10-2013 | Pass | | |
| Note: N/A is an abbreviatior | n for Not Applicable. | | | |



2. GENERAL INFORMATION

2.1.Description of Device (EUT)

| Product: | LED LAMP | | |
|-----------------------|---|--|--|
| Model Number: | LED2100-QISM-S, LED2100-QISM, LED2100-QISM-BK, LED2100-QISM-WH, LED2100-QISM-WD, LED2200-QISM-BK, LED2200-QISM-WH (Note: All models are the same except the color. We prepared model LED2100-QISM for EMC test.) | | |
| Sample Number: | 1# | | |
| Power Supply: | DC 12V from adapter | | |
| Modulation: | Ask | | |
| Maximum Power Rate: | 67.74 dBuV/m | | |
| Adapter: | M/N: HP18G-1201500-AU Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 12V, 1.5A | | |
| Frequency Range: | 110 kHz~205 KHz | | |
| Antenna Type: | Integral Antenna(Induction coil) | | |
| Antenna Gain: | 0 dBi | | |
| Operating Temperature | 0°C ~ +50°C | | |
| Date of Received: | August 16, 2021 | | |

2.2. Input / Output Ports

| Port # | Name | Type* | Cable Max. >3m | Cable Shielded | Comments | | |
|-----------|--|-------|-------------------|-------------------|----------|--|--|
| 1 | DC Power Port | DC | No | N/A | None | | |
| * Note | * Note: For the purposes of the present document, the following symbols apply: | | | | | | |
| AC | AC Power Port | | | | | | |
| DC | DC Power Port | | | | | | |
| N/E | Non-Electrical | | | | | | |
| I/O | Signal Input or Output Port (Not Involved in Process Control) | | | | | | |
| TP | Telecommunication Ports | | | | | | |



2.3. Independent Operation Modes

А Wireless Charging(Full load)

2.4. Test Manner

| Test Items | Test Voltage | Operation Modes | |
|--------------------|--------------|-----------------|--|
| Conducted Emission | AC 120V/60Hz | Mode A | |
| Radiated Emission | AC 120V/60Hz | Mode A | |

2.5. Description of Test Facility

| Accredited by CNAS |
|--|
| The Certificate Registration Number is L6666. |
| The Laboratory has been assessed and proved to be in compliance with |
| CNAS-CL01:2018 (identical to ISO/IEC 17025:2017) |
| Accredited by FCC |
| Designation Number: CN1302 |
| Test Firm Registration Number: 436491 |
| |
| Accredited by A2LA |
| The certificate is valid until May 31, 2023 |
| Accordited by Inductory Concide |
| Accredited by Industry Canada |
| The Conformity Assessment Body Identifier is CN0114 |
| EMTEK (NINGBO) CO., LTD. |
| : 1F Building 4, 1177#, Lingyun Road, Ningbo National Hi-Tech Zone, |
| Ningbo, Zhejiang, China. |
| |
| |

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2.6. Description of Support Device

| No. | Equipment | Trade name | Model | S/N | Power Cord |
|-----|---------------|------------|----------------|-----|------------|
| 1 | Wireless Load | / | 5w/7.5w/9w/15w | / | / |

2.7. Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Parameter | Uncertainty |
|--------------------------|-------------|
| Radio Frequency | ±1x10^-5 |
| Conducted Emissions Test | ±2.0 dB |
| Radiated Emission Test | ±2.0 dB |
| Occupied Bandwidth Test | ±1.0 dB |
| Temperature | ±0.5 ℃ |
| Humidity | ±3 % |

Measurement Uncertainty for a level of Confidence of 95%

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3. MEASURING DEVICE AND TEST EQUIPMENT

| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LASTCAL. | CAL. INTERVAL |
|-------------------|---|-----------------|----------------------|---------------|------------------|
| Test Receiver | Rohde & Schwarz | ESCI | 101108 | July 08, 2021 | 1 Year |
| L.I.S.N | Rohde & Schwarz | ENV216 | 101193 | July 08, 2021 | 1 Year |
| L.I.S.N | Schwarzbeck | NSLK 8126 | 8126-462 | July 08, 2021 | 1 Year |
| Pulse Limiter | MTS-systemtechnik | IMP-136 | 2611115-001-00 33 | July 08, 2021 | 1 Year |
| RF Switching unit | Compliance Direction Systems Inc. | RSU-M2 | 38400 | July 08, 2021 | 1 Year |

3.1. Conducted Emission Test Equipment

3.2. For 3m Radiated Emission Measurement 9K-30M

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | DUE CAL. |
|-------------------|-----------------|--------------|----------------------|---------------|----------|
| EMI Test Receiver | Rohde & Schwarz | ESCI | 101107 | July 08, 2021 | 1 Year |
| Loop Antenna | Schwarzbeck | FMZB 1519 | 1519-012 | Dec 08, 2020 | 2 Year |
| Cable | HUBER + SUHNER | CBL3-NN-0.5M | 101216-21405 00-2 | July 08, 2021 | 1 Year |
| Cable | HUBER + SUHNER | CBL3-NN-3.0M | 101216-21430 00-2 | July 08, 2021 | 1 Year |

3.3. For 3m Radiated Emission Measurement 30M-1G

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval | |
|-------------------|-----------------|-------------|---------------|----------------|---------------|--|
| Spectrum Analyzer | Rohde & Schwarz | ESCI | 101107 | July 08, 2021 | 1 Year | |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 101107 | July 08, 2021 | 1 Year | |
| Pre-Amplifier | CD | PAP-0203 | 22015 | July 08, 2021 | 1 Year | |
| Bilog Antenna | Schwarzbeck | VULB9163 | 9163-467 | July 12, 2020 | 2 Year | |
| Cable | HUBER + SUHNER | CBL3-NN-0.5 | 101216-214050 | July 08, 2021 | 1 Year | |
| Cable | HUDER + SUIINER | М | 0-2 | July 00, 202 I | i ieai | |
| Cable | HUBER + SUHNER | CBL3-NN-3.0 | 101216-214300 | July 08, 2021 | 1 Year | |
| Cable | | М | 0-2 | July 00, 2021 | i ieai | |

3.4.20dB Bandwidth

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|-------------------|--------------|-----------|------------|------------|---------------|
| Spectrum Analyzer | Agilent | E4407B | MY45107013 | 10/10/2020 | 1 Year |

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Report No. ENB2108160213W00101R



4. 20DB BANDWIDTH

4.1. Test Procedure

Set to the maximum power setting and enable the EUT transmit continuously Set RBW =1%-5%OBW Set the video bandwidth (VBW) =3*RBW Set Span= 1KHz Set Detector = Peak. Set Trace mode = max hold. Set Sweep = auto couple. Measure and record the results in the test report.

4.2. Test Results

| Temperature: | 24 ℃ | Test Date: | August 30, 2021 |
|--------------|-------------|------------|-----------------|
| Humidity: | 53 % | Test By: | LSL |

20dB Band=347.553Hz

| 🔆 Ag | jilent | | R | T FredChannel |
|--------------------|------------------------------|--------------------------|--------------------------------------|--|
| | · | | | Freq/Channel |
| Occupi | Ch Freq ied Bandwidth | 116.962 kHz | Trig Fr | Center Freq 116.962000 kHz |
| Cen | nter 116.96 | 620000 kHz | | Start From |
| Ref -30 | 0 dBm | #Atten 0 dB | Mkr1 116.962 k -44.74 dB | 110.4020001012 |
| #Peak Log 10 | | | | Stop Freq 117.462000 kHz |
| dB/ | | | | CF Step 100.000000 Hz <u>Auto Ma</u> |
| | r 117 kHz BW 10 Hz | #VBW 30 | Span 1 I Hz Sweep 478 ms (401 pts | |
| _ | cupied Ba | | Occ BW % Pwr 99.00 x dB -20.00 dE | % Signal Track |
| | smit Freq Error Bandwidth | -24.905 Hz 347.553 Hz | | Scale Type ^{Log <u>Li</u>i} |

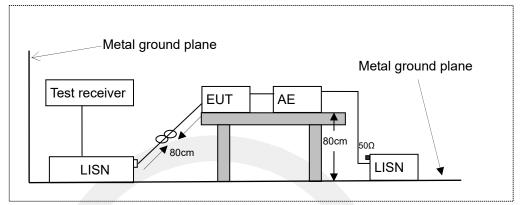
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5. POWER LINE CONDUCTED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network AE: Associated equipment EUT: Equipment under test

5.2. Limits

FCC Part 15.207

| Frequency | | | Limit (dBµV) | | | | |
|--|-------|-------|------------------|---------------|--|--|--|
| | (MHz) | | Quasi-peak Level | Average Level | | | |
| 0.15 | ~ | 0.50 | 66.0 ~ 56.0 * | 56.0 ~ 46.0 * | | | |
| 0.50 | ~ | 5.00 | 56.0 | 46.0 | | | |
| 5.00 | ~ | 30.00 | 60.0 | 50.0 | | | |
| NOTE1-The lower limit shall apply at the transition frequencies. NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to | | | | | | | |
| 0.50MF | 17. | | | | | | |

5.3. Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

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All the support units are connecting to the other LISN.

The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

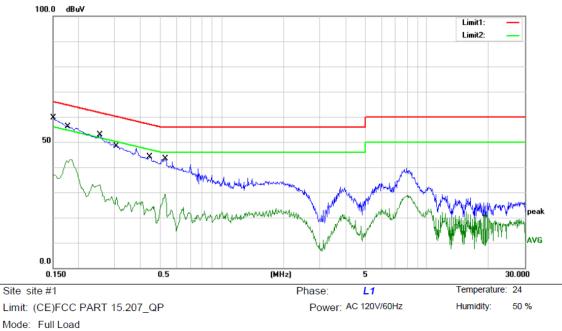
Test results were obtained from the following equation: Emission Level ($dB\mu V$) = LISN Factor (dB) + Cable Loss (dB) + Reading ($dB\mu V$) Margin (dB) = Emission Level ($dB\mu V$) - Limit ($dB\mu V$)

5.4. Measuring Results

Pass.

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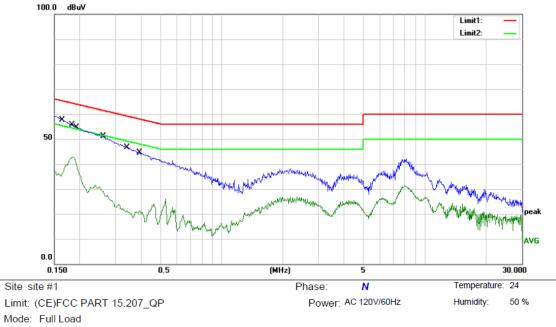




Note:

| No. M | k. Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-------|----------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 * | 0.1500 | 49.60 | 10.10 | 59.70 | 66.00 | -6.30 | QP | |
| 2 | 0.1500 | 27.00 | 10.10 | 37.10 | 56.00 | -18.90 | AVG | |
| 3 | 0.1796 | 45.70 | 10.09 | 55.79 | 64.50 | -8.71 | QP | |
| 4 | 0.1796 | 32.40 | 10.09 | 42.49 | 54.50 | -12.01 | AVG | |
| 5 | 0.2540 | 42.70 | 10.09 | 52.79 | 61.63 | -8.84 | QP | |
| 6 | 0.2540 | 22.90 | 10.09 | 32.99 | 51.63 | -18.64 | AVG | |
| 7 | 0.3067 | 38.20 | 10.08 | 48.28 | 60.06 | -11.78 | QP | |
| 8 | 0.3067 | 17.40 | 10.08 | 27.48 | 50.06 | -22.58 | AVG | |
| 9 | 0.4460 | 34.00 | 10.07 | 44.07 | 56.95 | -12.88 | QP | |
| 10 | 0.4460 | 12.70 | 10.07 | 22.77 | 46.95 | -24.18 | AVG | |
| 11 | 0.5300 | 33.20 | 10.07 | 43.27 | 56.00 | -12.73 | QP | |
| 12 | 0.5300 | 18.90 | 10.07 | 28.97 | 46.00 | -17.03 | AVG | |





```
Note:
```

| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|---------|--------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 * | 0.1660 | 47.30 | 10.08 | 57.38 | 65.16 | -7.78 | QP | |
| 2 | 0.1660 | 26.90 | 10.08 | 36.98 | 55.16 | -18.18 | AVG | |
| 3 | 0.1860 | 45.20 | 10.08 | 55.28 | 64.21 | -8.93 | QP | |
| 4 | 0.1860 | 32.80 | 10.08 | 42.88 | 54.21 | -11.33 | AVG | |
| 5 | 0.1955 | 44.30 | 10.08 | 54.38 | 63.80 | -9.42 | QP | |
| 6 | 0.1955 | 27.70 | 10.08 | 37.78 | 53.80 | -16.02 | AVG | |
| 7 | 0.2620 | 40.90 | 10.09 | 50.99 | 61.37 | -10.38 | QP | |
| 8 | 0.2620 | 18.60 | 10.09 | 28.69 | 51.37 | -22.68 | AVG | |
| 9 | 0.3420 | 36.60 | 10.09 | 46.69 | 59.15 | -12.46 | QP | |
| 10 | 0.3420 | 11.20 | 10.09 | 21.29 | 49.15 | -27.86 | AVG | |
| 11 | 0.3955 | 34.10 | 10.10 | 44.20 | 57.95 | -13.75 | QP | |
| 12 | 0.3955 | 11.00 | 10.10 | 21.10 | 47.95 | -26.85 | AVG | |
| | | | | | | | | |



6. RADIATED EMISSION TEST

6.1.Measurement Procedure

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.

3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

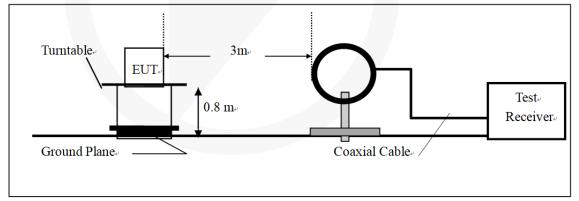
4. Repeat above procedures until all frequency measured were complete.

- 5. Use the following receiver/spectrum analyzer settings:
- Span = wide enough to fully capture the emission being measured

RBW=200Hz for 9KHz to 150KHz,

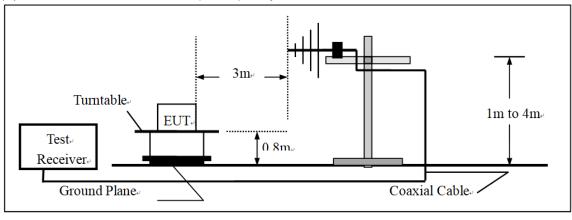
RBW=9kHz for 150KHz to 30MHz, RBW=120KHz for 30MHz to 1GHz VBW \ge 3*RBW Sweep = auto Detector function = QP Trace = max hold

6.2.Test SET-UP (Block Diagram of Configuration)



(A)Radiated Emission Test Set-Up, Frequency Below 30MHz

(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



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6.3. Radiated Emission Limit

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

| FCC Part 15.209 | | | | | | | |
|-----------------|----------------|------|--|-------------------------|--|--|--|
| | Field Streng | gth | Field Strength Limitation Frequency tion at 3m | | | | |
| Frequency | Limitation | | Meas | urement Dist | | | |
| (MHz) | (uV/m) | Dist | (uV/m) | (dBuV/m) | | | |
| 0.009 - 0.490 | 2400 / F(KHz) | 300m | 10000 * 2400/F(KHz) | 20log 2400/F(KHz) + 80 | | | |
| 0.490 – 1.705 | 24000 / F(KHz) | 30m | 100 * 24000/F(KHz) | 20log 24000/F(KHz) + 40 | | | |
| 1.705 – 30.00 | 30 | 30m | 100* 30 | 20log 30 + 40 | | | |
| 30.0 - 88.0 | 100 | 3m | 100 | 20log 100 | | | |
| 88.0 – 216.0 | 150 | 3m | 150 | 20log 150 | | | |
| 216.0 - 960.0 | 200 | 3m | 200 | 20log 200 | | | |
| Above 960.0 | 500 | 3m | 500 | 20log 500 | | | |

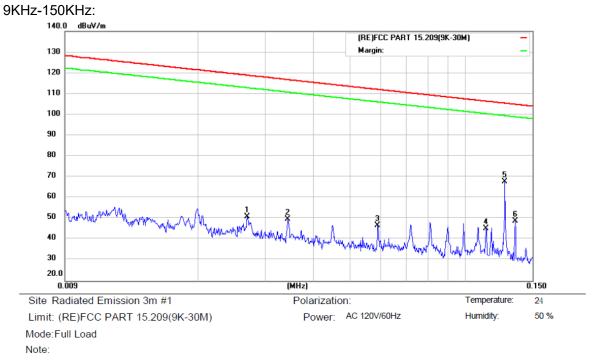
15.205 Restricted bands of operation

| MHz | MHz | MHz | GHz |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| 10.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (2) |
| 13.36-13.41 | | | |

Remark: 1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters. 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of ξ 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

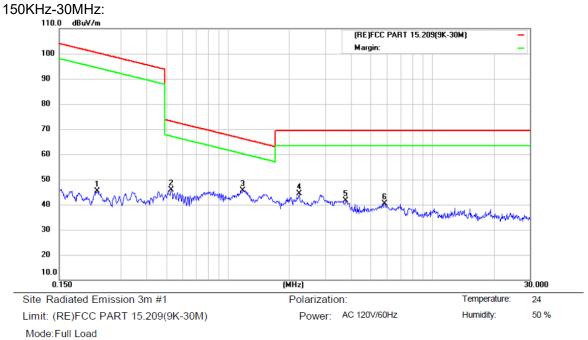




6.4. Measurement Result

| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|---------|--------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | 0.0269 | 30.37 | 20.59 | 50.96 | 118.85 | -67.89 | peak | | | |
| 2 | 0.0343 | 29.25 | 20.63 | 49.88 | 116.76 | -66.88 | peak | | | |
| 3 | 0.0589 | 25.99 | 20.75 | 46.74 | 112.09 | -65.35 | peak | | | |
| 4 | 0.1135 | 24.54 | 20.70 | 45.24 | 106.43 | -61.19 | peak | | | |
| 5 * | 0.1270 | 47.37 | 20.37 | 67.74 | 105.46 | -37.72 | peak | | | |
| 6 | 0.1350 | 28.53 | 20.29 | 48.82 | 104.93 | -56.11 | peak | | | |

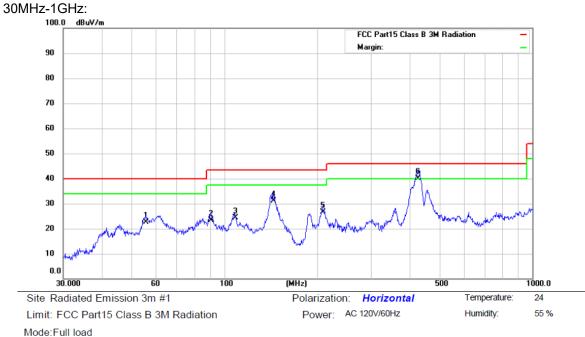




Note:

| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|---------|--------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | 0.2290 | 24.96 | 20.45 | 45.41 | 100.37 | -54.96 | peak | | | |
| 2 | 0.5292 | 24.82 | 21.01 | 45.83 | 73.13 | -27.30 | QP | | | |
| 3 * | 1.1842 | 24.61 | 21.06 | 45.67 | 66.16 | -20.49 | QP | | | |
| 4 | 2.2366 | 23.46 | 20.81 | 44.27 | 69.50 | -25.23 | QP | | | |
| 5 | 3.7793 | 20.96 | 20.60 | 41.56 | 69.50 | -27.94 | QP | | | |
| 6 | 5.8357 | 19.91 | 20.57 | 40.48 | 69.50 | -29.02 | QP | | | |

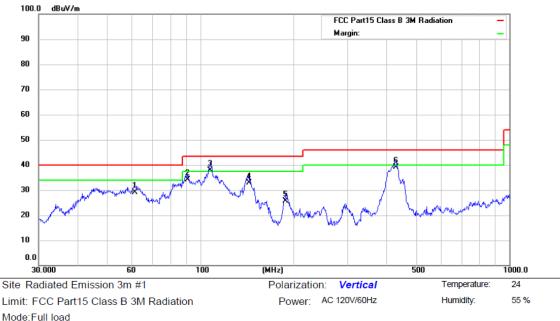




Note:

| No. | Mk | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 55.6094 | 44.00 | -21.40 | 22.60 | 40.00 | -17.40 | QP | | | |
| 2 | | 90.2205 | 48.24 | -24.74 | 23.50 | 43.50 | -20.00 | QP | | | |
| 3 | | 108.2667 | 47.64 | -23.14 | 24.50 | 43.50 | -19.00 | QP | | | |
| 4 | | 144.3348 | 58.77 | -27.57 | 31.20 | 43.50 | -12.30 | QP | | | |
| 5 | | 209.3129 | 50.51 | -23.91 | 26.60 | 43.50 | -16.90 | QP | | | |
| 6 | * | 426.5210 | 58.25 | -18.15 | 40.10 | 46.00 | -5.90 | QP | | | |





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Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 61.3463 | 52.64 | -23.54 | 29.10 | 40.00 | -10.90 | QP | | | |
| 2 | | 90.8554 | 58.94 | -24.74 | 34.20 | 43.50 | -9.30 | QP | | | |
| 3 | * | 107.8877 | 61.00 | -23.10 | 37.90 | 43.50 | -5.60 | QP | | | |
| 4 | | 143.3261 | 60.49 | -27.59 | 32.90 | 43.50 | -10.60 | QP | | | |
| 5 | | 189.0743 | 49.47 | -23.87 | 25.60 | 43.50 | -17.90 | QP | | | |
| 6 | | 428.0193 | 57.29 | -18.19 | 39.10 | 46.00 | -6.90 | QP | | | |



7. ANNTENNA APPLICATION

7.1. Antenna Requirement

| Standard | Requirement |
|---------------------|---|
| FCC CRF Part 15.203 | An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded. |

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.2. Result

Pass

Note: The EUT has 1 antenna: The internal antenna gain is 0 dBi;

Antenna use a permanently attached antenna which is not replaceable.

Not using a standard antenna jack or electrical connector for antenna replacement

The antenna has to be professionally installed (please provide method of installation)

which in accordance to section 15.203, please refer to the internal photos.

*** End of Report ***

EMTEK(Ningbo) Co., Ltd.



声明

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