





FCC PART 15C TEST REPORT FOR CERTIFICATION On Behalf of

Zhuhai Quin Technology Co., Ltd.

Portable Label Maker

Model Number: P15

Addition Model: P15 PRO, P15 Pro, P15 SE, P15 Plus, P05, P05 PRO, P05 Pro, P05 SE, P05 Plus, P16, P16 PRO, P16 Pro, P16 SE, P16 Plus, P18, P18 PRO, P18 Pro, P18 SE, P18 Plus

FCC ID: 2ASRB-P15

| Applicant: | Zhuhai Quin Technology Co., Ltd. | |
|--------------------------|---|--|
| Address: | ROOM 103-029(CENTRALIZED OFFICE AREA), 1F, | |
| | BUILDING 1, NO. 18 FUTIAN ROAD, XIANGZHOU | |
| | DISTRICT, ZHUHAI CITY, CHINA | |
| | | |
| | | |
| Prepared By: | EST Technology Co., Ltd. | |
| | Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China | |
| Tel: 86-769-83081888-808 | | |

| Report Number: | ESTE-R2408253-1 | |
|-----------------|------------------------------|--|
| Date of Test: | Jan.16, 2025 ~ Feb. 22, 2025 | |
| Date of Report: | Feb. 24, 2025 | |



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| Applicant: Address: | Zhuhai Quin Technology Co., Ltd. ROOM 103-029(CENTRALIZED OFFICE AREA), 1F, BUILDING 1, NO. 18 FUTIAN ROAD, XIANGZHOU DISTRICT, ZHUHAI CITY, CHINA | | | |
|---------------------------|--|---------------|--------------------------------|--|
| Manufacturer: Address: | Zhuhai Quin Technology Co., Ltd. ROOM 103-029(CENTRALIZED OFFICE AREA), 1F, BUILDING 1, NO. 18 FUTIAN ROAD, XIANGZHOU DISTRICT, ZHUHAI CITY, CHINA | | | |
| E.U.T: | Portable Label Maker | | | |
| Model Number: | P15 | | | |
| Addition Model: | P15 PRO, P15 Pro, P15 SE, P15 Plus, P05, P05 PRO, P05 Pro, P05 SE, P05 Plus, P16 PRO, P16 Pro, P16 SE, P16 Plus, P18, P18 PRO, P18 Pro, P18 SE, P18 Plus Note: Only the model number, colour and appearance are different. | | | |
| Power Supply: | DC 5V; DC 3.7V From Battery | | | |
| Trade Name: | | Serial No.: | | |
| Date of Receipt: | Jan.16, 2025 | Date of Test: | Jan.16, 2025~ Feb. 22, 2025 | |
| Test Specification: | FCC Part 15 Subpart C (15.247) ANSI C63.10:2013 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 | | | |
| Test Result: | The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. | | | |
| Prepared by: | Reviewed by: | | Date: Feb. 24, 2025 | |

Zephyr Zhu

Zephyr Zhu / Assistant

Seven Wang / Engineer

Other Aspects: This report base on the previous report with report number: ESTE-R2408253, battery is added in this report, so just re-tested spurious emissions

(30-1000MHz) and conducted emissions, other test item needn't re-tested.

Abbreviations: OK/P=passed

fail/F=failed

n.a/N=not applicable

E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.



1.GENERAL INFORMATION

1.1.Description of Device (EUT)

| Product Name | : | Portable Label Maker |
|-------------------------|---|----------------------|
| Model Number | : | P15 |
| Software Version | : | N/A |
| Hardware Version | : | N/A |
| Operation frequency | : | 2402MHz~2480MHz |
| Number of channel | : | 40 |
| Max Output Power (PEAK) | | 2.89dBm |
| Modulation Type | | GFSK |
| Sample Type | : | Prototype production |

Note: For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

1.2.Antenna Information

| Ant No. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------------|-------|------------|-----------------|-----------|------------|
| 1 | - | - | Internal | - | -0.58 |

Note:

- 1. The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.
- 2. The test results of this report only apply to the sample as received

1.3.Information of RF Cable

| Cable Loss(dB) | Provided by | |
|----------------|----------------------------------|--|
| 1.0 | Zhuhai Quin Technology Co., Ltd. | |
| Nieto | | |

Note:

- 1.The customer declared the loss value of the RF Cable. and the test results of this report only apply to the sample as received.
- 2. The laboratory is not responsible for the accuracy of the cable loss.



2.SUMMARY OF TEST

2.1.Summary of test result

| No. | Description of Test Item | FCC Standard Section | Results |
|-----|-----------------------------------|-------------------------------|---------|
| 1 | 6dB Bandwidth | 15.247(a)(2) | N/A |
| 2 | Maximum Peak Output Power | 15.247(b)(3) | N/A |
| 3 | Power Spectral Density | 15.247(e) | N/A |
| 4 | Conducted Band Edge | 15.247(d) | N/A |
| 5 | Conducted Spurious Emissions | 15.247(d) | N/A |
| 6 | Radiated Spurious Emissions | 15.205 15.209 15.247(d) | Pass |
| 7 | AC Power Line Conducted Emissions | 15.207 | Pass |
| 8 | Antenna Requirement | 15.203 | N/A |

Note: "N/A" denotes test is not applicable in this test report.



2.2.Test Facilities

EMC Lab : Accredited by CNAS, CHINA

Registration No.: L5288

This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA Designation Number: CN1215

This Recognition is valid until: January 31, 2026

Accredited by A2LA, USA Registration No.: 4366.01

This Accreditation is valid until: January 31, 2026

Recognized by Industry Canada CAB identifier No.: CN0035

This Recognition is valid until: January 31, 2026

Recognized by VCCI, Japan

Registration No.: C-14103; T-20073; R-13663;

R-20103; G-20097

Date of registration: Apr. 20, 2020

This Recognition is valid until: Apr. 19, 2026

Recognized by TUV Rheinland, Germany Registration No.: UA 50413872 0001 Date of registration: July 31, 2018

Recognized by Intertek

Registration No.: 2011-RTL-L2-64

Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,

Guangdong, China



2.3. Measurement uncertainty

| Test Item | Uncertainty |
|---|-----------------------|
| Uncertainty for Conduction emission test | ±3.48dB |
| Uncertainty for spurious emissions test (Below 30MHz) | ±1.62 dB |
| Uncertainty for spurious emissions test | ±4.60 dB(Polarize: H) |
| (30MHz-1GHz) | ±4.68 dB(Polarize: V) |
| Uncertainty for spurious emissions test (1GHz to 25GHz) | ±4.96dB |
| Uncertainty for radio frequency | 7×10 ⁻⁸ |
| Uncertainty for conducted RF Power | 1.08dB |
| Uncertainty for Power density test | 0.26dB |

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.4. Assistant equipment used for test

| Item | Equipment | Brand | Model Name/Type No. | FCC ID | Series No. |
|------|-----------|-------|---------------------|--------|------------|
| - | - | - | - | - | - |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|------------------|--------------|--------|------|
| - | - | - | - | - |

2.5.Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 (or 1.5) meter high above ground. EUT was beset into BLE test mode by software before test.

EUT

DC 3.7V

(EUT: Portable Label Maker)



2.6.Test Mode

The test mode was selected for the final test as listed below.

| Test Item | Modulation Type | Test Channel |
|--|--------------------|-----------------|
| Radiated Spurious Emissions(Below 1GHz) | GFSK | Low/Middle/High |
| AC Power Line Conducted Emissions | GFSK | Low/Middle/High |

Note In radiated measurement, the EUT had been pre-scan on the positioned of each 3 axis(X,Y,Z), the worst case was found when positioned on **X-plane**.

2.7. Power Setting of Test Software

| Software Name | FCC Assist 1.0.2.2 | | | | |
|----------------|--------------------|---------|---------|--|--|
| Frequency(MHz) | z) 2402 2440 248 | | | | |
| GFSK 1M | Default | Default | Default | | |
| GFSK 2M | Default | Default | Default | | |

Note: This information is provided by the applicant.



2.8.Channel List

| _ | | - | |
|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency |
| No. | (MHz) | No. | (MHz) |
| 0 | 2402 | 1 | 2404 |
| 2 | 2406 | 3 | 2408 |
| 4 | 2410 | 5 | 2412 |
| 6 | 2414 | 7 | 2416 |
| 8 | 2418 | 9 | 2420 |
| 10 | 2422 | 11 | 2424 |
| 12 | 2426 | 13 | 2428 |
| 14 | 2430 | 15 | 2432 |
| 16 | 2434 | 17 | 2436 |
| 18 | 2438 | 19 | 2440 |
| 20 | 2442 | 21 | 2444 |
| 22 | 2446 | 23 | 2448 |
| 24 | 2450 | 25 | 2452 |
| 26 | 2454 | 27 | 2456 |
| 28 | 2458 | 29 | 2460 |
| 30 | 2462 | 31 | 2464 |
| 32 | 2466 | 33 | 2468 |
| 34 | 2470 | 35 | 2472 |
| 36 | 2474 | 37 | 2476 |
| 38 | 2478 | 39 | 2480 |



2.9. Test Equipment List

| For conducted emission test | | | | | | | | |
|-----------------------------|--------------------|--------------|------------|---------------------|------------|------------|--|--|
| Equipment | Manufacturer | Model No. | Serial No. | Calibration Body | Last Cal. | Next Cal. | | |
| EMI Test Receiver | Rohde & Schwarz | ESRP3 | EST-E070 | LISAI | June 11,24 | June 10,25 | | |
| Artificial Mains Network | Rohde & Schwarz | ENV216 | EST-E048 | LISAI | June 11,24 | June 10,25 | | |
| Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | EST-E078 | LISAI | June 11,24 | June 10,25 | | |
| Test Software | Audix | e3-6.111221a | N/A | N/A | N/A | N/A | | |

| For radiated emission test(9kHz-30MHz) | | | | | | | | |
|--|--------------------|--------------|----------|-------|------------|------------|--|--|
| Equipment Manufacturer Model No. Serial No. Calibration Body Last Cal. Next Cal. | | | | | | | | |
| EMI Test Receiver | Rohde & Schwarz | ESR7 | EST-E047 | LISAI | June 11,24 | June 10,25 | | |
| Active Loop Antenna | SCHWAREBE CK | FMZB 1519B | EST-E054 | LISAI | June 11,24 | June 10,25 | | |
| Test Software | Audix | e3-6.111221a | N/A | N/A | N/A | N/A | | |
| 9kHz-30MHz Cable | N/A | EST-001 | N/A | N/A | N/A | N/A | | |

| For radiated emissions test (30MHz-1000MHz) | | | | | | | | |
|--|-------------------------|-----------|----------|-------|------------|------------|--|--|
| Equipment Manufacturer Model No. Serial No. Calibration Body Last Cal. Next Cal. | | | | | | | | |
| EMI Test Receiver | Rohde & Schwarz | ESR7 | EST-E047 | LISAI | June 11,24 | June 10,25 | | |
| Bilog Antenna | Teseq | CBL 6111D | EST-E034 | LISAI | June 11,24 | June 10,25 | | |
| Test Software | ware Audix e3-6.111221a | | N/A | N/A | N/A | N/A | | |
| 30-1000MHz Cable | N/A | EST-002 | N/A | N/A | N/A | N/A | | |



3. RADIATED SPURIOUS EMISSIONS

3.1.Limit

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band

| MHz | MHz | MHz | GHz |
|----------------------------|-----------------------|-----------------|---------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| ¹ 0.495 - 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 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 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) |

15.209 Limit

| 10.200 Emili | | | | | | | |
|----------------------|--|--|--|--|--|--|--|
| Field Strength(µV/m) | Distance(m) | | | | | | |
| 2400/F(kHz) | 300 | | | | | | |
| 24000/F(kHz) | 30 | | | | | | |
| 30 | 30 | | | | | | |
| 100 | 3 | | | | | | |
| 150 | 3 | | | | | | |
| 200 | 3 | | | | | | |
| 500 | 3 | | | | | | |
| | 2400/F(kHz) 24000/F(kHz) 30 100 150 200 | | | | | | |

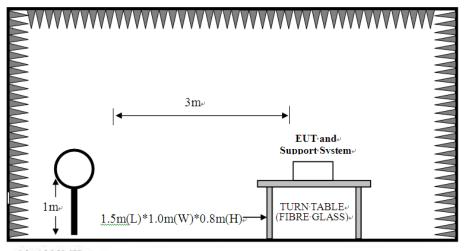
Note:

- (1) Emission level $dB\mu V = 20 \log Emission level \mu V/m$.
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

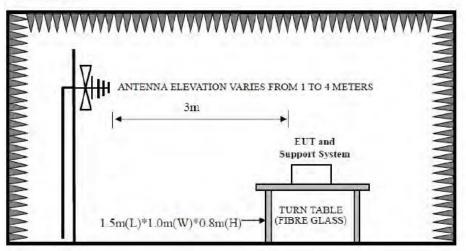


3.2.Test Setup

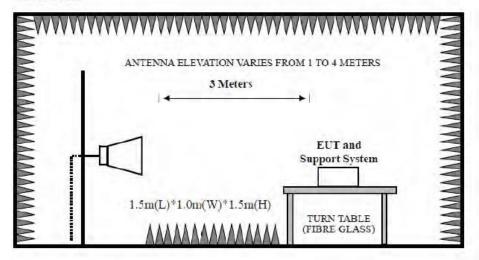
9kHz~30MHz4



30~1000MHz



Above 1GHz





3.3. Spectrum Analyzer Setting

For 9KHz-150KHz

| Spectrum Parameters | Setting |
|------------------------|---|
| RBW | 300Hz(for Peak&AVG)/CISPR 200Hz(for QP) |
| VBW | 300Hz(for Peak&AVG)/CISPR 200Hz(for QP) |
| Start frequency | 9KHz |
| Stop frequency | 150KHz |
| Sweep Time | Auto |
| Detector | PEAK/QP/AVG |
| Trace Mode | Max Hold |

For 150KHz-30MHz

| Spectrum Parameters | Setting | | | | |
|------------------------|----------|--|--|--|--|
| RBW | 9KHz | | | | |
| VBW | 9KHz | | | | |
| Start frequency | 150KHz | | | | |
| Stop frequency | 30MHz | | | | |
| Sweep Time | Auto | | | | |
| Detector | QP | | | | |
| Trace Mode | Max Hold | | | | |

For 30MHz-1GHz

| Spectrum Parameters | Setting |
|------------------------|----------|
| RBW | 120KHz |
| VBW | 300KHz |
| Start frequency | 30MHz |
| Stop frequency | 1GHz |
| Sweep Time | Auto |
| Detector | QP |
| Trace Mode | Max Hold |

Note: T is the on-time time of the duty cycle, when EUT transmit continuously with maximum output power, unit is seconds. reference section 2.8 for the on-time time.

3.4.Test Procedure

- a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test.
- b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- c. Set the EUT transmit continuously with maximum output power.
- d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- e. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
- f. Spectrum analyzer setting parameters in accordance with section 3.3.
- g. Repeat above procedures until all channels were measured.
- h. Record the results in the test report.

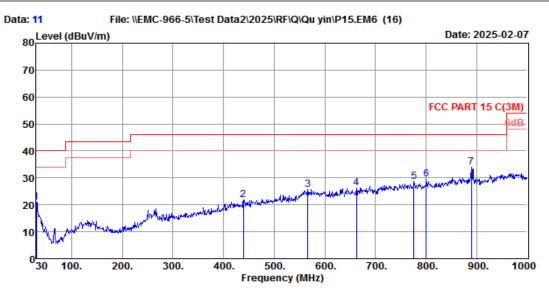


3.5.Test Result

Radiated Emissions Below 1GHz

EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



Site no. : 5# 966 Chamber Data no. : 11

Dis. / Ant. : 3m 54681 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 C(3M)

Env. / Ins. : Temp:23.8°C; Humi:54%; Press:101.1kPa

Engineer : Wind Li

EUT : Portable Label Maker
Power : DC 3.7V From Battery

M/N : P15 Test Mode : TX Mode

| | Freq. (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 30.00 | 19.20 | 0.91 | 0.93 | 21.04 | 40.00 | 18.96 | QP |
| 2 | 439.34 | 16.76 | 3.71 | 1.40 | 21.87 | 46.00 | 24.13 | QP |
| 3 | 566.41 | 20.10 | 4.25 | 1.37 | 25.72 | 46.00 | 20.28 | QP |
| 4 | 662.44 | 20.15 | 4.63 | 1.45 | 26.23 | 46.00 | 19.77 | QP |
| 5 | 775.93 | 22.18 | 5.05 | 1.34 | 28.57 | 46.00 | 17.43 | QP |
| 6 | 800.18 | 22.00 | 5.14 | 2.47 | 29.61 | 46.00 | 16.39 | QP |
| 7 | 889.42 | 23.08 | 5.44 | 5.56 | 34.08 | 46.00 | 11.92 | QP |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

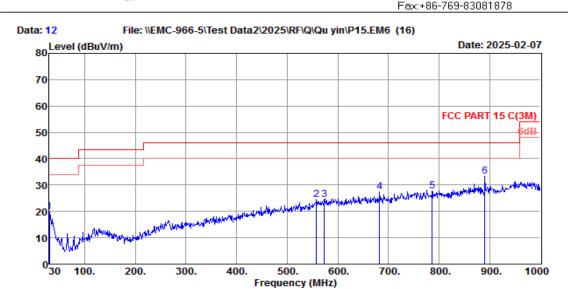
2. Margin= Limit - Emission Level.

3. The emission levels that are 20dB below the official limit are not reported.



EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan,Guangdong,China Tel:+86-769-83081888



Site no. : 5# 966 Chamber Data no. : 12
Dis. / Ant. : 3m 54681 Ant. pol. : VERTICAL

Limit : FCC PART 15 C(3M)

Env. / Ins. : Temp:23.8°C; Humi:54%; Press:101.1kPa

Engineer : Wind Li

EUT : Portable Label Maker Power : DC 3.7V From Battery

M/N : P15 Test Mode : TX Mode

| | Freq. | ANT Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|--------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 30.00 | 19.20 | 0.91 | -0.21 | 19.90 | 40.00 | 20.10 | QP |
| 2 | 557.68 | 20.24 | 4.22 | 0.04 | 24.50 | 46.00 | 21.50 | QP |
| 3 | 573.20 | 20.10 | 4.28 | 0.22 | 24.60 | 46.00 | 21.40 | QP |
| 4 | 682.81 | 20.64 | 4.71 | 2.07 | 27.42 | 46.00 | 18.58 | QP |
| 5 | 786.60 | 21.97 | 5.09 | 0.83 | 27.89 | 46.00 | 18.11 | QP |
| 6 | 890.39 | 23.10 | 5.45 | 4.81 | 33.36 | 46.00 | 12.64 | QP |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

2. Margin= Limit - Emission Level.

3. The emission levels that are 20dB below the official limit are not reported.

Note:

- 1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
- 2. All channels had been pre-test, only the worst case was reported.



4.AC POWER LINE CONDUCTED EMISSIONS

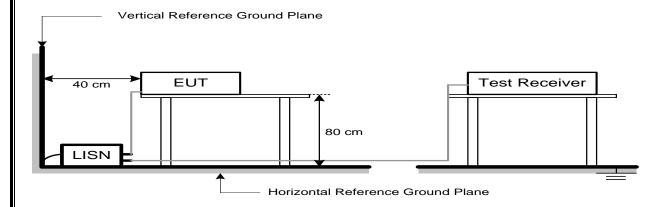
4.1.Limit

| | | Maximum RF Line Voltage | | | |
|--------------|--------|-------------------------|---------------|--|--|
| Freque | ency | Quasi-Peak Level | Average Level | | |
| | | dB(μV) | dB(μV) | | |
| 150kHz ~ | 500kHz | 66 ~ 56* | 56 ~ 46* | | |
| 500kHz ~ | 5MHz | 56 | 46 | | |
| 5MHz ~ 30MHz | | 60 | 50 | | |

Note:

- 1. * Decreasing linearly with logarithm of frequency.
- 2. The lower limit shall apply at the transition frequencies.

4.2.Test Setup



4.3. Spectrum Analyzer Setting

| Spectrum Parameters | Setting |
|------------------------|----------|
| RBW | 9KHz |
| VBW | 9KHz |
| Start frequency | 150KHz |
| Stop frequency | 30MHz |
| Sweep Time | Auto |
| Detector | QP/AVG |
| Trace Mode | Max Hold |

4.4.Test Procedure

- a. The EUT was placed on a non-metallic table, 80cm above the ground plane.
- b. The EUT Power connected to the power mains through a line impedance stabilization network.
- c. Provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).
- d. Set the EUT transmit continuously with maximum output power.



| LUI | | Page 17 of 32 | Report No.ESTE-R2408253-1 |
|-----|--------------------------------|---|--------------------------------------|
| f. | maximum emission levels, the r | d out the maximum condurelative positions of equipoling to ANSI C63.10: 201 | ucted emission. In order to find the |
| | | | |
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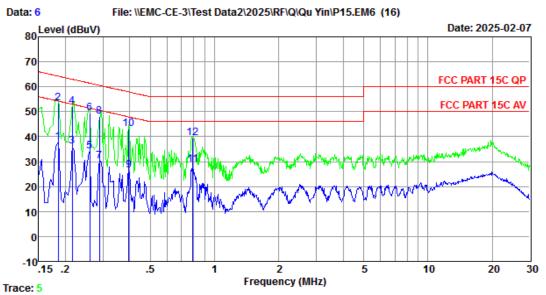


4.5. Test Result

EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China. Tel:+86-769-83081888

Fax:+86-769-83081878



Site no : 3#CE Shield Room Data no. : 6

Env. / Ins. : Temp:25.5°C; Humi:57%; Press:101.1kPa LINE Phase : NEUTRAL

Limit : FCC PART 15C QP Engineer : Edison Chen

EUT : Portable Label Maker

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : P15 Test Mode : TX Mode

| | Freq. | LISN Factor (db) | Cable Loss (db) | Reading dBuV) | Emission Level (dBuv) | Limits (dBuv) | Margin (dB) | Remark |
|----|-------|------------------------|-----------------------|------------------|-----------------------------|---------------|----------------|---------|
| 1 | 0.19 | 10.22 | 9.82 | 17.67 | 37.71 | 54.24 | 16.53 | Average |
| 2 | 0.19 | 10.22 | 9.82 | 33.23 | 53.27 | 64.24 | 10.97 | QP |
| 3 | 0.22 | 10.22 | 9.82 | 16.14 | 36.18 | 53.01 | 16.83 | Average |
| 4 | 0.22 | 10.22 | 9.82 | 32.15 | 52.19 | 63.01 | 10.82 | QP |
| 5 | 0.26 | 10.23 | 9.82 | 14.14 | 34.19 | 51.42 | 17.23 | Average |
| 6 | 0.26 | 10.23 | 9.82 | 29.52 | 49.57 | 61.42 | 11.85 | QP |
| 7 | 0.29 | 10.23 | 9.82 | 10.23 | 30.28 | 50.54 | 20.26 | Average |
| 8 | 0.29 | 10.23 | 9.82 | 28.17 | 48.22 | 60.54 | 12.32 | QP |
| 9 | 0.40 | 10.16 | 9.83 | 6.70 | 26.69 | 47.95 | 21.26 | Average |
| 10 | 0.40 | 10.16 | 9.83 | 23.28 | 43.27 | 57.95 | 14.68 | QP |
| 11 | 0.79 | 10.11 | 9.84 | 8.77 | 28.72 | 46.00 | 17.28 | Average |
| 12 | 0.79 | 10.11 | 9.84 | 19.38 | 39.33 | 56.00 | 16.67 | QP |

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

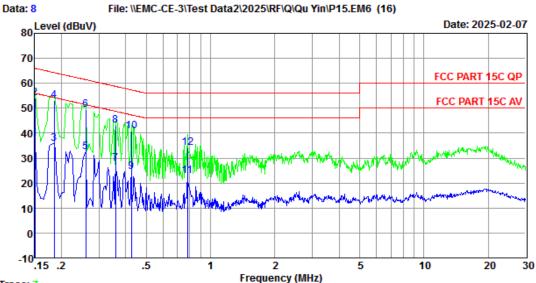
- 2. Margin= Limit Emission Level.
- If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



EST Technology

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Trace: 7

Site no

: 3#CE Shield Room Data no. : 8 : Temp:25.5℃;Humi:57%;Press:101.1kPa LINE Phase : LINE

Env. / Ins. : Temp:25.5°C;Humi:57%;Press:101.1kPa Limit : FCC PART 15C QP

Limit : FCC PART 15C Engineer : Edison Chen

EUT : Portable Label Maker

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : P15 Test Mode : TX Mode

| | Freq. | LISN Factor (db) | Cable Loss (db) | Reading dBuV) | Emission Level (dBuv) | Limits (dBuv) | Margin (dB) | Remark |
|----|-------|------------------------|-----------------------|------------------|-----------------------------|---------------|----------------|---------|
| 1 | 0.15 | 10.19 | 9.82 | 17.71 | 37.72 | 56.00 | 18.28 | Average |
| 2 | 0.15 | 10.19 | 9.82 | 34.23 | 54.24 | 66.00 | 11.76 | QP |
| 3 | 0.19 | 10.00 | 9.82 | 16.06 | 35.88 | 54.24 | 18.36 | Average |
| 4 | 0.19 | 10.00 | 9.82 | 33.28 | 53.10 | 64.24 | 11.14 | QP |
| 5 | 0.26 | 10.01 | 9.82 | 12.59 | 32.42 | 51.42 | 19.00 | Average |
| 6 | 0.26 | 10.01 | 9.82 | 29.47 | 49.30 | 61.42 | 12.12 | QP |
| 7 | 0.36 | 10.18 | 9.83 | 7.76 | 27.77 | 48.74 | 20.97 | Average |
| 8 | 0.36 | 10.18 | 9.83 | 23.22 | 43.23 | 58.74 | 15.51 | QP |
| 9 | 0.43 | 10.24 | 9.83 | 4.62 | 24.69 | 47.33 | 22.64 | Average |
| 10 | 0.43 | 10.24 | 9.83 | 20.62 | 40.69 | 57.33 | 16.64 | QP |
| 11 | 0.78 | 10.15 | 9.84 | 2.87 | 22.86 | 46.00 | 23.14 | Average |
| 12 | 0.78 | 10.15 | 9.84 | 14.15 | 34.14 | 56.00 | 21.86 | QP |

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



5. TEST SETUP PHOTO







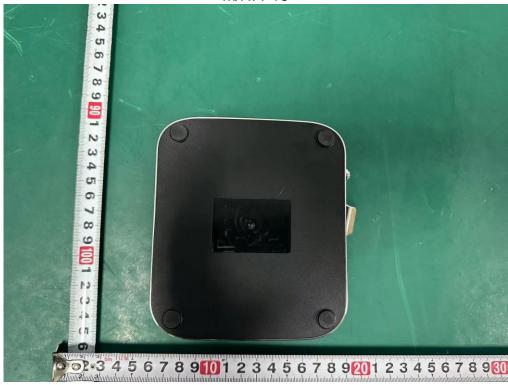






6. EUT PHOTO

External Photos







External Photos

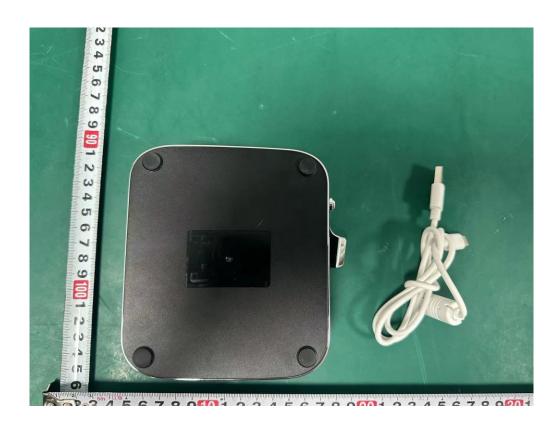






External Photos







External Photos









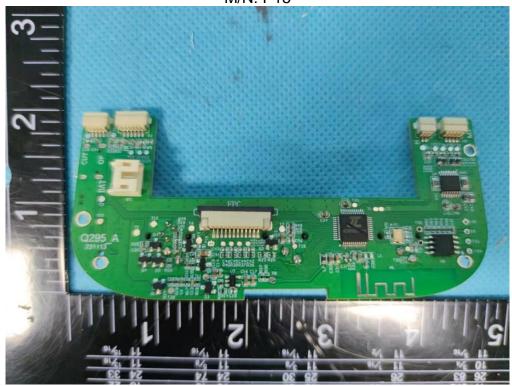


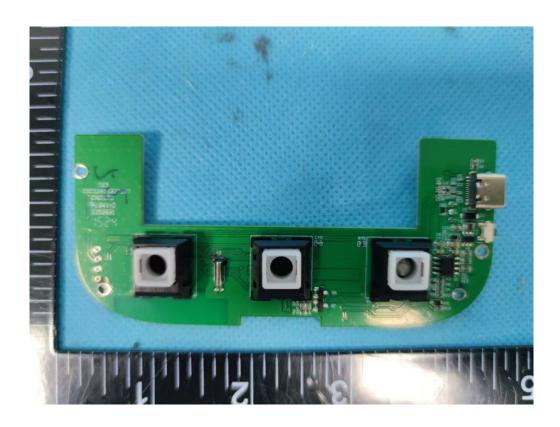




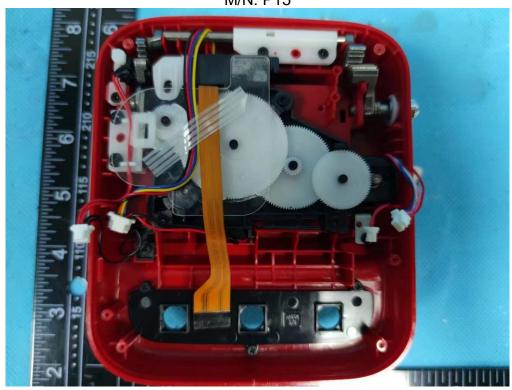


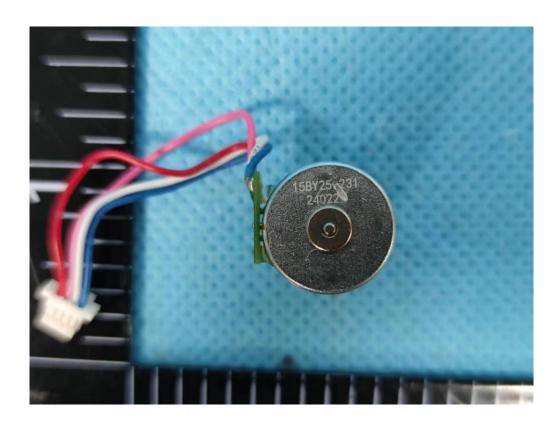




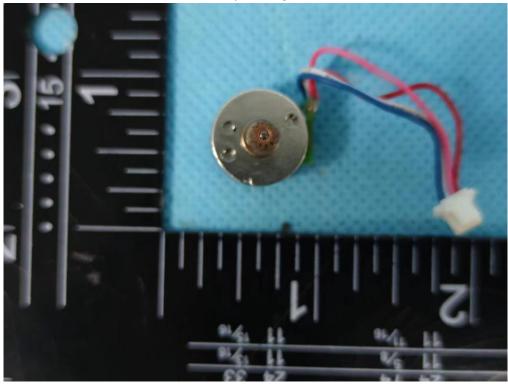










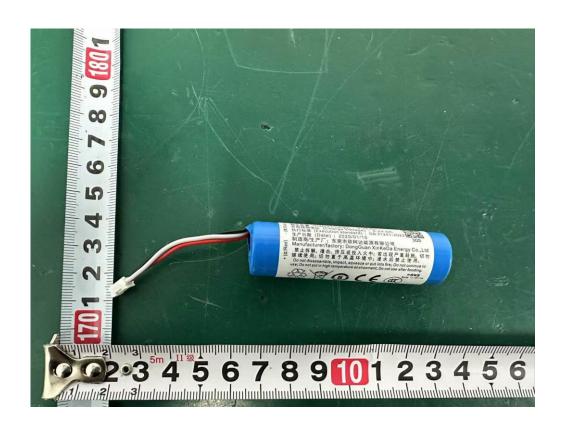




NEW PHOTOS

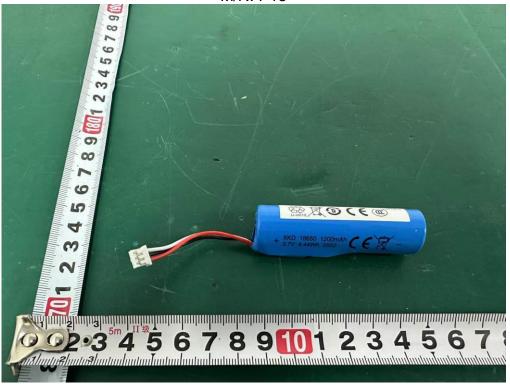
Internal Photos







M/N: P15



End of Test Report