# FCC Test Report

**Test Report**
**On Behalf of**
**Shenzhen Quan Shuo Chen Technology Co.,LTD**
**For**
**Kaide Qing**
**Model No.: QSC-25**

**FCC ID: 2BPTA-QSC-25**

| | |
|---|---|
| **Prepared For:** | **Shenzhen Quan Shuo Chen Technology Co.,LTD**<br>**6F, Building N, Licheng Science and Technology Park, Xinhe Avenue, Gonghe Community, Shajing Town, Bao'an District, Shenzhen, Guangdong, China** |
| **Prepared By:** | **Shenzhen HUAK Testing Technology Co., Ltd.**<br>**1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China** |
| **Date of Test:** | **May 12, 2025 ~ June 03, 2025** |
| **Date of Report:** | **June 03, 2025** |
| **Report Number:** | **HK2505122445-E** |

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# Test Result Certification

| | |
|---|---|
| **Applicant's Name**.....: | Shenzhen Quan Shuo Chen Technology Co.,LTD |
| Address .....: | 6F, Building N, Licheng Science and Technology Park, Xinhe Avenue, Gonghe Community, Shajing Town, Bao'an District, Shenzhen, Guangdong, China |
| **Manufacturer's Name** .....: | Shenzhen Quan Shuo Chen Technology Co.,LTD |
| Address .....: | 6F, Building N, Licheng Science and Technology Park, Xinhe Avenue, Gonghe Community, Shajing Town, Bao'an District, Shenzhen, Guangdong, China |

**Product Description**

| | |
|---|---|
| Trade Mark .....: | N/A |
| Product Name..... : | Kaide Qing |
| Model and/or Type Reference : | QSC-25 |
| **Standards** .....: | FCC Part15 Subpart C 2017, Section 15.231<br>ANSI C63.10: 2013 |

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| | |
|---|---|
| **Date of Test**.....: | |
| Date (s) of Performance of Tests.....: | **May 12, 2025 ~ June 03, 2025** |
| Date of Issue.....: | **June 03, 2025** |
| Test Result .....: | **Pass** |

Testing Engineer

Len Liao

Technical Manager

Sliver Wan

Authorized Signatory

Jason Zhou

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# Contents

1 . Test Summary ..... 5
1.1 Test Facility ..... 5
1.2 Information of the Test Laboratory ..... 5
1.3 Measurement Uncertainty ..... 5
2. General Information ..... 6
2.1 Description of Device (EUT) ..... 6
2.2 Description of Test Setup ..... 7
2.3 Description of Support Units ..... 8
2.4 List of Channels ..... 8
2.5 Test Equipment List ..... 9
3. AC Conducted Emission Test ..... 10
3.1 AC Conducted Power Line Emission Limit ..... 10
3.2 Test Setup ..... 10
3.3 Test Procedure ..... 10
3.4 Test Data ..... 11
4. Radiated Emissions ..... 12
4.1 Standard Applicable ..... 12
4.2 Test Procedure ..... 12
4.3 Corrected Amplitude & Margin Calculation ..... 14
4.4 Environmental Conditions ..... 14
4.5 Test Data ..... 14
5. 20dB Occupy Bandwidth Test ..... 18
5.1 Standard Applicable ..... 18
5.2 Test Procedure ..... 18
5.3 Test Data ..... 18
6. Transmission Time ..... 19
6.1 Standard Applicable ..... 19
6.2 Test Procedure ..... 19
6.3 Environmental Conditions ..... 19
6.4 Test Data ..... 20
7. Duty Cycle ..... 21
7.1 Standard Applicable ..... 21
7.2 Test Procedure ..... 21
7.3 Introduction to PDCF Reference: ..... 21
7.4 Test Data ..... 22
8. Antenna Connected Construction ..... 26
9. Photographs of Test ..... 27
10. Photos of the EUT ..... 29

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# ** Modified History **

| Revision | Description | Issued Data | Remark |
|---|---|---|---|
| Revision 1.0 | Initial Test Report Release | June 03, 2025 | Jason Zhou |
| | | | |
| | | | |

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# 1. Test Summary

## 1.1 Test Facility

| Standard Section | Test Item | Result |
|---|---|---|
| 15.203 | Antenna Requirement | PASS |
| 15.207 | AC Conducted Emission | N/A |
| 15.205/15.209/15.231(b) | Spurious Emission | PASS |
| 15.231(c) | 20dB Occupied Bandwidth | PASS |
| 15.231(a) | Deactivation Testing | PASS |
| **Remark:** "N/A" is an abbreviation for Not Applicable. | | |

## 1.2 Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.
Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization：
A2LA Accreditation Code is 4781.01.
FCC Designation Number is CN1229.
Canada IC CAB identifier is CN0045.
CNAS Registration Number is L9589.

## 1.3 Measurement Uncertainty

| **Measurement Uncertainty** | | |
|---|---|---|
| Parameter | Conditions | Uncertainty |
| Occupied Bandwidth | Conducted | ±1.5% |
| Conducted Spurious Emission | Conducted | ±2.17dB |
| Transmission Time | Conducted | ±5% |
| Conducted Emissions | Conducted | ±2.88dB |
| Transmitter Spurious Emissions | Radiated | ±5.1dB |

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# 2. General Information

## 2.1 Description of Device (EUT)

| | | | |
|---|---|---|---|
| Product Name | : | Kaide Qing | |
| Model No. | : | QSC-25 | |
| Series Models | : | N/A | |
| Model Difference | : | N/A | |
| Trade Mark | : | N/A | |
| Test Power Supply | : | DC3V from battery | |
| Product Description | : | Operation Frequency: | 433.91MHz |
| | | Number of Channel: | 1 Channels |
| | | Modulation Type: | ASK |
| | | Antenna Type: | PCB antenna |
| | | Antenna Gain(Peak): | 0dBi |

**Remark:**

1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2) Antenna gain Refer to the antenna specifications.
3) The cable loss data is obtained from the supplier.
4) The test results in the report only apply to the tested sample.

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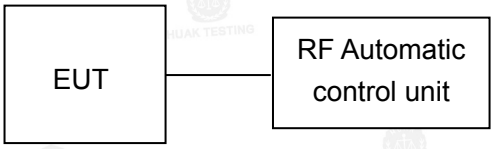
## 2.2 Description of Test Setup

Operation of EUT during Radiation Testing:

Operation of EUT during RF Conducted testing:




The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position

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## 2.3 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Trade Mark | Model/Type No. | Specification | Note |
|---|---|---|---|---|---|
| 1 | Kaide Qing | N/A | QSC-25 | N/A | EUT |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

***Note:***

*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.*

*3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.*

## 2.4 List of Channels

| Channel | Freq. (MHz) | Note (Modulation Type) |
|---|---|---|
| 01 | 433.91 | ASK |

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## 2.5 Test Equipment List

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | L.I.S.N. | R&S | ENV216 | HKE-002 | 2025/02/19 | 1 Year |
| 2 | L.I.S.N. | R&S | ENV216 | HKE-059 | 2025/02/19 | 1 Year |
| 3 | EMI Test Receiver | R&S | ESR | HKE-005 | 2025/02/19 | 1 Year |
| 4 | Spectrum analyzer | Agilent | N9020A | HKE-025 | 2025/02/19 | 1 Year |
| 5 | Spectrum analyzer | R&S | FSV3044 | HKE-126 | 2025/02/19 | 1 Year |
| 6 | Preamplifier | EMCI | EMC051845S | HKE-006 | 2025/02/19 | 1 Year |
| 7 | Preamplifier | Schwarzbeck | BBV 9743 | HKE-016 | 2025/02/19 | 1 Year |
| 8 | Preamplifier | A.H. Systems | SAS-574 | HKE-182 | 2025/02/19 | 1 Year |
| 9 | 6dB Attenuator | Pasternack | 6db | HKE-184 | 2025/02/19 | 1 Year |
| 10 | EMI Test Receiver | Rohde & Schwarz | ESR-7 | HKE-010 | 2025/02/19 | 1 Year |
| 11 | Broadband Antenna | Schwarzbeck | VULB9168 | HKE-167 | 2024/02/21 | 2 Year |
| 12 | Loop Antenna | COM-POWER | AL-130R | HKE-014 | 2024/02/21 | 2 Year |
| 13 | Horn Antenna | Schwarzbeck | 9120D | HKE-013 | 2024/02/21 | 2 Year |
| 14 | EMI Test Software | Tonscend | JS32-CE 2.5.0.6 | HKE-081 | / | / |
| 15 | EMI Test Software | Tonscend | JS32-RE 5.0.0 | HKE-082 | / | / |
| 16 | RF Automatic control unit | Tonscend | JS0806-2 | HKE-060 | 2025/02/19 | 1 Year |
| 17 | High pass filter unit | Tonscend | JS0806-F | HKE-055 | 2025/02/19 | 1 Year |
| 18 | Wireless Communication Test Set | R&S | CMU200 | HKE-026 | 2025/02/19 | 1 Year |
| 19 | Wireless Communication Test Set | R&S | CMW500 | HKE-027 | 2025/02/19 | 1 Year |
| 20 | High-low temperature chamber | Guangke | HT-80L | HKE-118 | 2024/06/11 | 1 Year |
| 21 | Temperature and humidity meter | Boyang | HTC-1 | HKE-075 | 2024/06/11 | 1 Year |
| 22 | RF Test Software | Tonscend | JS1120-3 Version 3.5.39 | HKE-083 | / | / |
| 23 | 10dB Attenuator | Schwarzbeck | VTSD9561F | HKE-153 | 2025/02/19 | 1 Year |
| 24 | RSE Test Software | Tonscend | JS36-RSE 5.0.0 | HKE-184 | / | / |

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# 3. AC Conducted Emission Test

## 3.1 AC Conducted Power Line Emission Limit

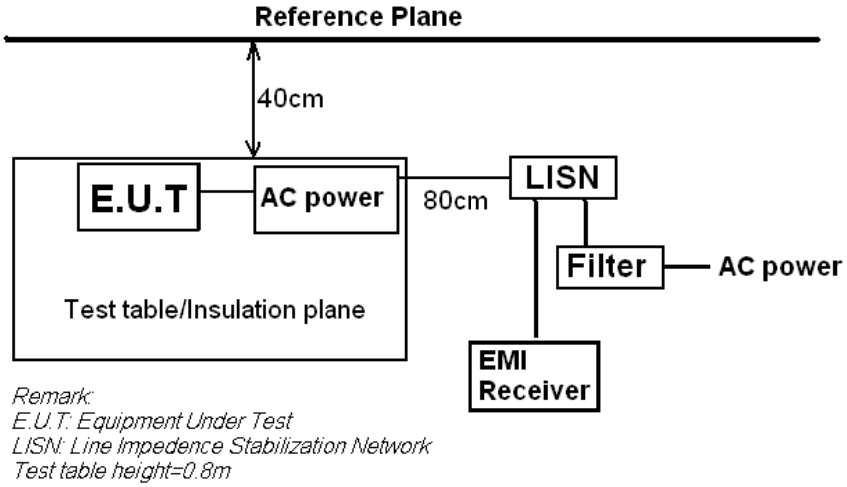
For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

| Frequency (MHz) | Maximum RF Line Voltage (dBμV) | | | |
|---|---|---|---|---|
| | CLASS A | | CLASS B | |
| | Q.P. | Ave. | Q.P. | Ave. |
| 0.15 - 0.50 | 79 | 66 | 66-56* | 56-46* |
| 0.50 - 5.00 | 73 | 60 | 56 | 46 |
| 5.00 - 30.0 | 73 | 60 | 60 | 50 |

* Decreasing linearly with the logarithm of the frequency

For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

## 3.2 Test Setup




## 3.3 Test Procedure

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

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## 3.4 Test Data

Not applicable.

Note: EUT Power Supply by Battery Powered, so this test item not applicable.

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# 4. Radiated Emissions

## 4.1 Standard Applicable

According to §15.231(b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

| Fundamental Frequency (MHz) | Field Strength of Fundamental (microvolts/meter) | Field Strength of Spurious Emissions (microvolts/meter) |
|---|---|---|
| 40.66 - 40.70 | 2,250 | 225 |
| 70 - 130 | 1,250 | 125 |
| 130 - 174 | 1,250 to 3,750 ** | 125 to 375 ** |
| 174 - 260 | 3,750 | 375 |
| 260 - 470 | 3,750 to 12,500 ** | 375 to 1,250 ** |
| Above 470 | 12,500 | 1,250 |

** linear interpolations

The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

Compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

## 4.2 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.231(b) and FCC Part 15.209 Limit.

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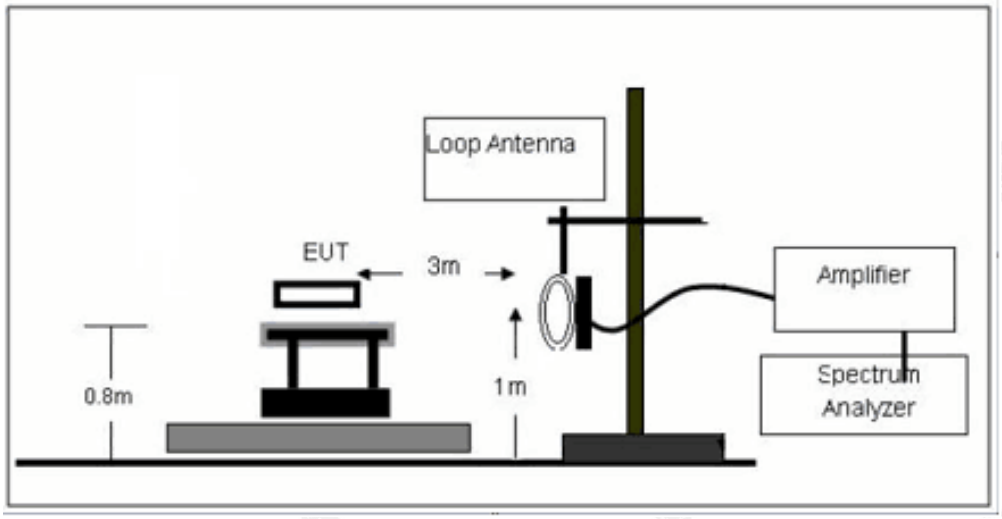


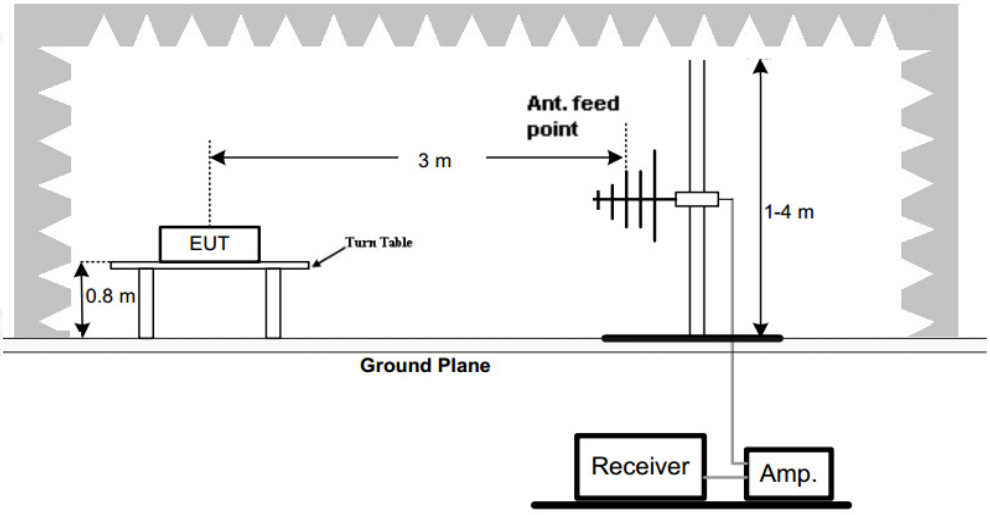


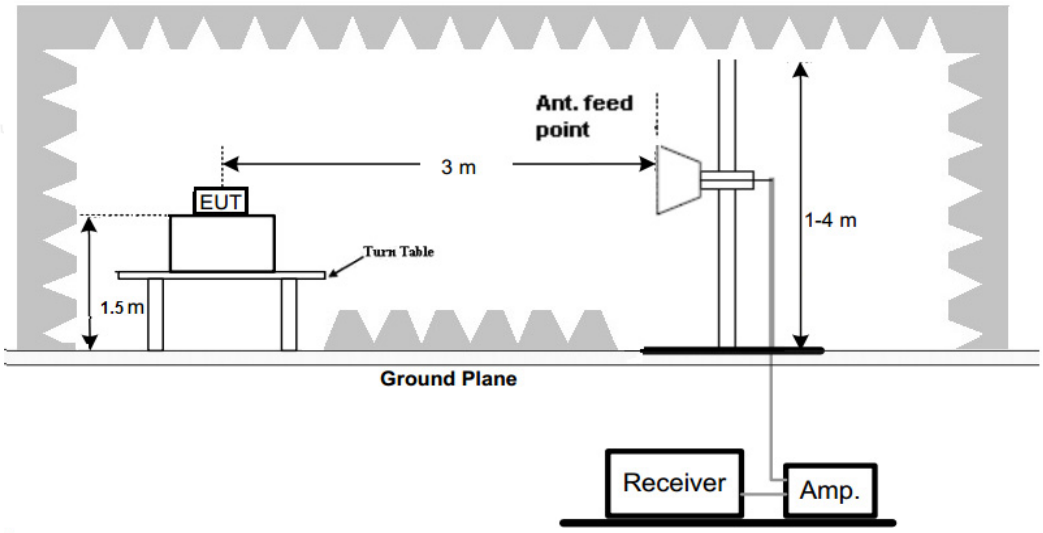


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## 4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Ant.Loss +Cab. Loss – Ampl.Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB μ V means the emission is 6dB μ V below the maximum limit. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – FCC Part15C Limit

## 4.4 Environmental Conditions

| | |
|---|---|
| Temperature: | 21℃ |
| Relative Humidity: | 50% |
| ATM Pressure: | 1011 mbar |

## 4.5 Test Data

According to the data below, the FCC Part 15.205, 15.209 and 15.231 standards, and had the worst margin of:

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

(Fundamental 433.91MHz)

| No. | Frequency | Reading | Corr. | Duty cycle | Result | Limit | Margin | Deg. | Height | Polarity | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | Factor (dB) | Factor (dB) | dBuV/m | dBuV/m | dB | (°) | (cm) | | |
| 1 | 433.9100 | 65.16 | 12.33 | N/A | 77.49 | 100.8 | 23.31 | 177 | 100 | H | Peak |
| 2 | 433.9100 | N/A | N/A | -7.23 | 70.26 | 80.83 | 10.57 | 177 | 100 | H | AV |
| 3 | 433.9100 | 67.58 | 12.33 | N/A | 79.91 | 100.8 | 20.89 | 177 | 100 | V | Peak |
| 4 | 433.9100 | N/A | N/A | -7.23 | 72.68 | 80.83 | 8.15 | 117 | 100 | V | AV |

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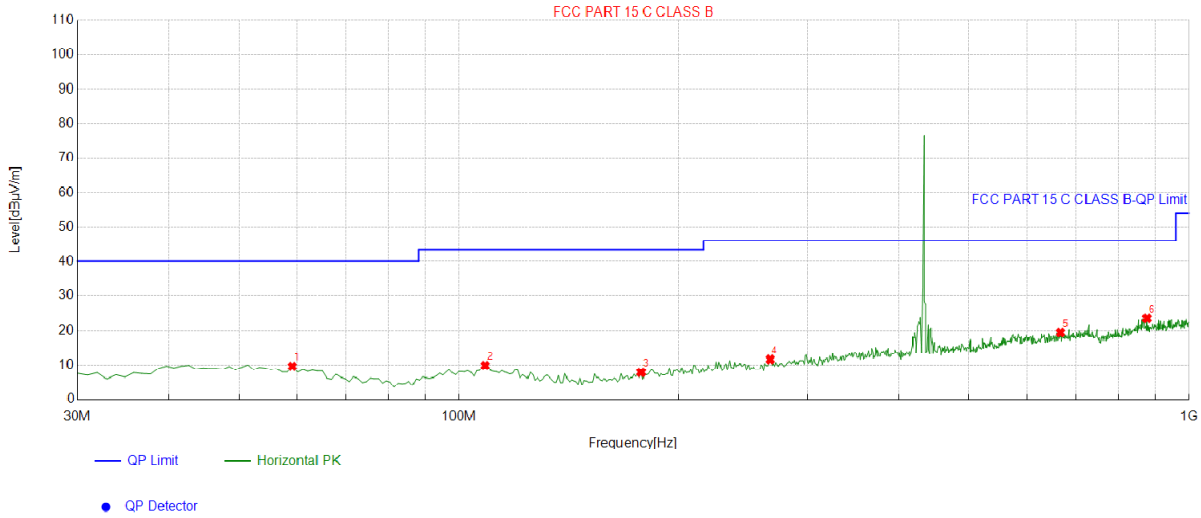
Radiated Emission
Antenna polarity: H




| Suspected List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Factor [dB] | Reading [dBμV/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 59.1291 | -13.54 | 23.15 | 9.61 | 40.00 | 30.39 | 100 | 52 | Horizontal |
| 2 | 108.6486 | -14.02 | 23.89 | 9.87 | 43.50 | 33.63 | 100 | 32 | Horizontal |
| 3 | 177.5876 | -16.61 | 24.47 | 7.86 | 43.50 | 35.64 | 100 | 46 | Horizontal |
| 4 | 266.9169 | -12.87 | 24.48 | 11.61 | 46.00 | 34.39 | 100 | 11 | Horizontal |
| 5 | 666.9570 | -4.60 | 24.04 | 19.44 | 46.00 | 26.56 | 100 | 32 | Horizontal |
| 6 | 875.7157 | -1.76 | 25.30 | 23.54 | 46.00 | 22.46 | 100 | 57 | Horizontal |

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

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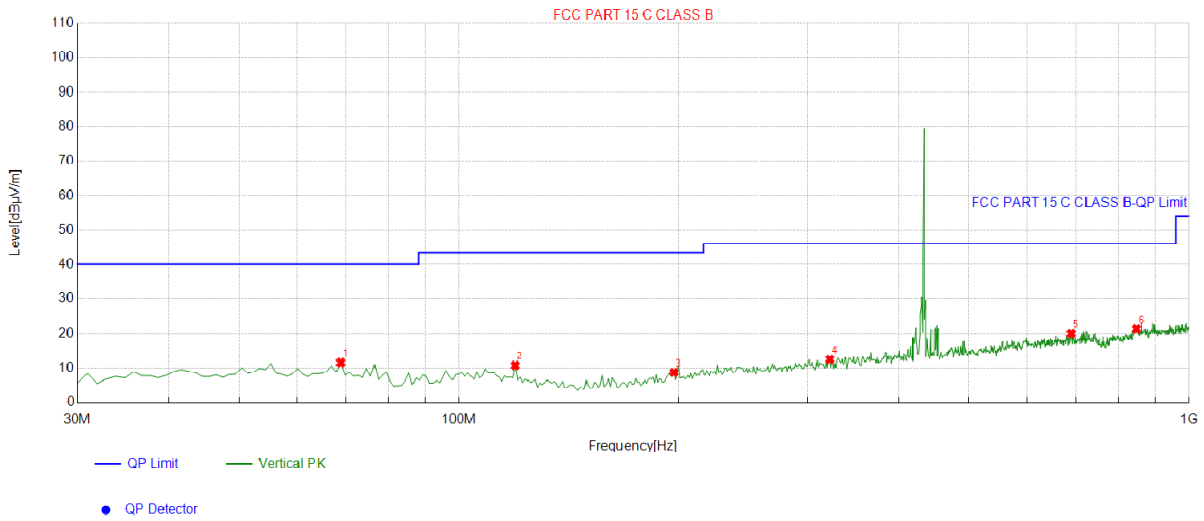
Antenna polarity: V




| Suspected List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Factor [dB] | Reading [dBμV/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 68.8388 | -16.41 | 27.97 | 11.56 | 40.00 | 28.44 | 100 | 5 | Vertical |
| 2 | 119.3293 | -15.94 | 26.70 | 10.76 | 43.50 | 32.74 | 100 | 1 | Vertical |
| 3 | 197.0070 | -14.97 | 23.69 | 8.72 | 43.50 | 34.78 | 100 | 30 | Vertical |
| 4 | 322.2623 | -11.12 | 23.64 | 12.52 | 46.00 | 33.48 | 100 | 8 | Vertical |
| 5 | 689.2893 | -4.11 | 24.11 | 20.00 | 46.00 | 26.00 | 100 | 14 | Vertical |
| 6 | 847.5576 | -1.45 | 22.82 | 21.37 | 46.00 | 24.63 | 100 | 19 | Vertical |

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

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Above 1GHz

Horizontal:

| No. | Frequency | Reading | Corr. | Duty cycle | Result | Limit | Margin | Deg. | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | Factor (dB) | Factor (dB) | dBuV/m | dBuV/m | dB | (°) | (cm) | |
| 1 | 1301.73 | 24.66 | 25.83 | N/A | 50.49 | 74 | 23.51 | 41 | 100 | Peak |
| | 1301.73 | / | / | -7.23 | 43.26 | 54 | 10.74 | 306 | 100 | Ave |
| 2 | 1735.64 | 22.81 | 27.25 | N/A | 50.06 | 74 | 23.94 | 204 | 100 | Peak |
| | 1735.64 | / | / | -7.23 | 42.83 | 54 | 11.17 | 87 | 100 | Ave |

Vertical:

| No. | Frequency | Reading | Corr. | Duty cycle | Result | Limit | Margin | Deg. | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | Factor (dB) | Factor (dB) | dBuV/m | dBuV/m | dB | (°) | (cm) | |
| 1 | 1301.73 | 23.09 | 25.83 | N/A | 48.92 | 74 | 25.08 | 151 | 100 | Peak |
| | 1301.73 | / | / | -7.23 | 41.69 | 54 | 12.31 | 74 | 100 | Ave |
| 2 | 1735.64 | 22.74 | 27.25 | N/A | 49.99 | 74 | 24.01 | 332 | 100 | Peak |
| | 1735.64 | / | / | -7.23 | 42.76 | 54 | 11.24 | 51 | 100 | Ave |

Note: Testing is carried out with frequency rang 30MHz to the tenth harmonics, which above 5th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

The fundamental frequency is 433.91MHz, so the fundamental and spurious emissions radiated limit base on the operating frequency 433.91MHz.

Frequency Range (9 kHz-30MHz)

| Frequency (MHz) | Level@3m (dBμV/m) | | Limit@3m (dBμV/m) | |
|---|---|---|---|---|
| -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- |

Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

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# 5. 20dB Occupy Bandwidth Test

## 5.1 Standard Applicable

According to FCC Part 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

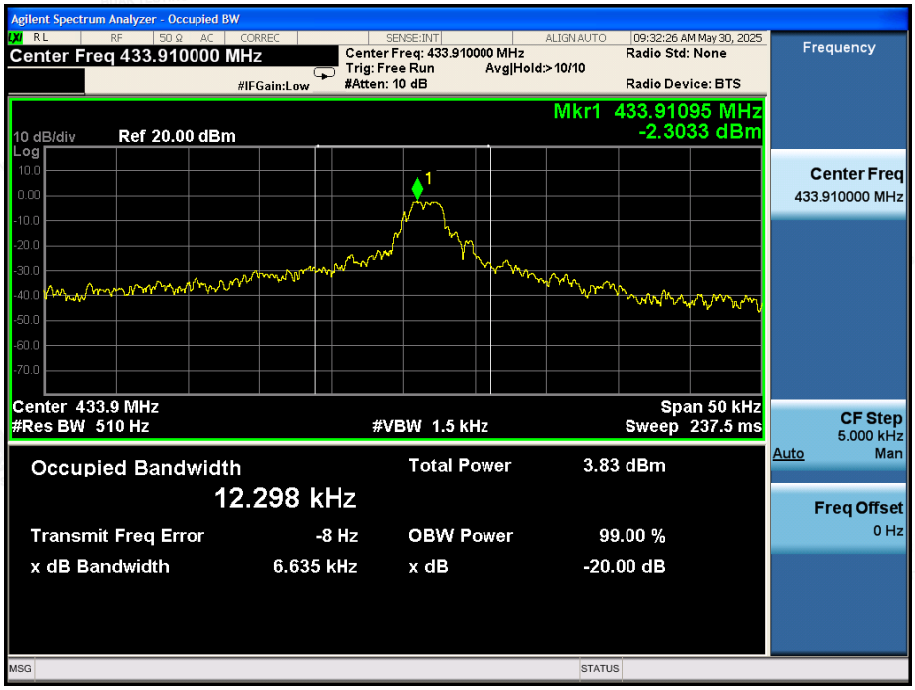
## 5.2 Test Procedure

With the EUT's antenna attached, the EUT's 20dB Bandwidth power was received by the test antenna, which was connected to the spectrum analyzer with the START, and STOP frequencies set to the EUT's operation band.

| | |
|---|---|
| Temperature: | 21℃ |
| Relative Humidity: | 52% |
| ATM Pressure: | 1011 mbar |

## 5.3 Test Data

| Freq. (MHz) | Modulation Type | Bandwidth (kHz) | Limit (kHz) | Results |
|---|---|---|---|---|
| 433.91 | ASK | 6.635 | <1084.8 | PASS |

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# 6. Transmission Time

## 6.1 Standard Applicable

According to FCC Part 15.231(a), the transmitter shall be complied the following requirements:

(1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

(2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

(3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.

## 6.2 Test Procedure

With the EUT's antenna attached, the EUT's output signal was received by the test antenna, which was connected to the spectrum analyzer. Set the center frequency to 433.91MHz, than set the spectrum analyzer to Zero Span for the release time reading. During the testing, the switch was released then the EUT automatically deactivated.

## 6.3 Environmental Conditions

| | |
|---|---|
| Temperature: | 20℃ |
| Relative Humidity: | 52% |
| ATM Pressure: | 1011 mbar |

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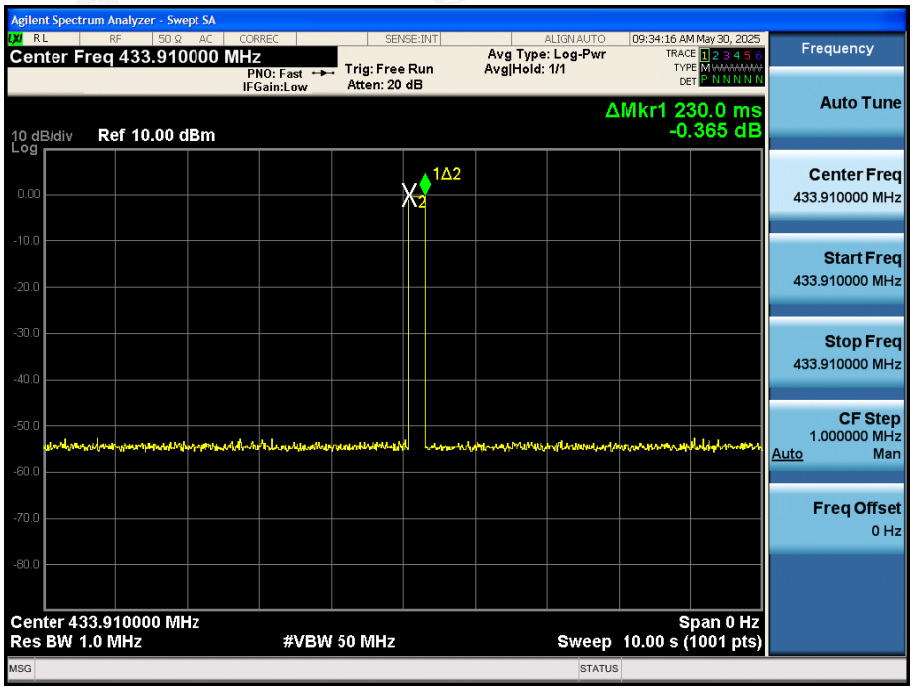
## 6.4 Test Data

| Transmission Type | Test Frequency MHz | Transmission Time seconds | Limit s | Result |
|---|---|---|---|---|
| Manually | 433.91 | 0.23 | 5 | PASS |

Please refer the following plot.

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# 7. Duty Cycle

## 7.1 Standard Applicable

According to FCC Part 15.231(b)(2) and 15.35 (c),For pulse operation transmitter, the averaging pulsed emissions are calculated by peak value of measured emission plus duty cycle factor.

## 7.2 Test Procedure

1) The EUT was placed on a turntable which is 0.8m above ground plane.

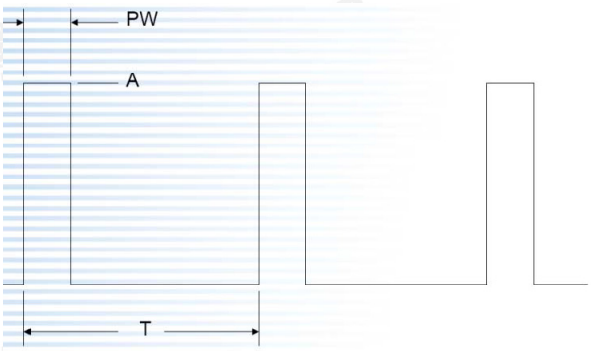
2) Set EUT operating in continuous transmitting mode

3) Set Test Receiver into spectrum analyzer mode, Tune the spectrum analyzer to the transmitter carrier frequency, and set the spectrum analyzer resolution bandwidth(RBW) to 1000kHz and video bandwidth(VBW) to 1000kHz, Span was set to 0Hz.

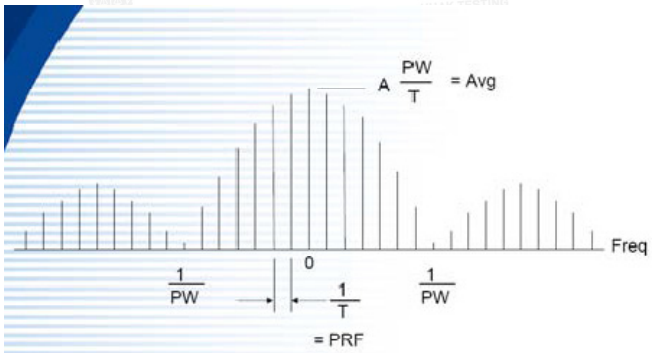
4) The Duty Cycle was measured and recorded.

## 7.3 Introduction to PDCF Reference:

(§15.35 Measurement detector functions and bandwidths.)
1) Part 15 of the FCC Rules provides for the operation of low power communication devices without an individual license (e.g., intrusion detectors, pulsed water tank level gauges, etc.), subject to certain requirements. Some of these devices use extremely narrow pulses to generate wideband emissions, which are measured to determine compliance with the rules. These measurements are typically performed with a receiver or spectrum analyzer. Depending on a number of factors (e.g., resolution bandwidth, pulse width, etc.), the spectrum analyzer may not always display the true peak value of the measured emission. This effect, called “pulse desensitization,” relates to the capabilities of the measuring instrument. For the measurement and reporting of the true peak of pulsed emissions, it may be necessary to apply a “pulse desensitization correction factor” (PDCF) to the measured value, pursuant to 47 CFR 15.35(a).



Periodic Square Pulse



Frequency Spectrum of Periodic Square Pulse

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If using spectrum analyzer to measure pulse signal, it have to make sure the RBW use is at least 2/PW.
•When RBW is less than 2/PW, you are able to measure the true peak level of the pulse signal. If this is the case.
PDCF is required to compensate to determine true peak value.
Pulse desensitization:
PW =29250usec (0.6* 13+ 1.65*13), Period=67500usec, Level=A
RBW>2/PW=0.068K, 1/T=0.15K
NOTE: 2 / PW < RBW, first don't need

2). For the actual test, please refer to the ANSI C63.10, Annex C refer to section 5 for more detail

## 7.4 Test Data

| Type of Pulse | Width of Pulse ms | Quantity of Pulse | Transmission Time ms | Total Time ($T_{on}$) ms |
|---|---|---|---|---|
| Pulse 1 | 5.70 | 1 | 5.70 | 10.74 |
| Pulse 2 | 1.00 | 4 | 4.00 | |
| Pulse 3 | 0.26 | 4 | 1.04 | |

| Test Period ($T_p$) ms | Total Time ($T_{on}$) ms | Duty Cycle % | Duty Cycle Factor dB |
|---|---|---|---|
| 24.70 | 10.74 | 43.48 | -7.23 |

Remark: Duty Cycle Factor=20*log (Duty Cycle)

*Please refer to the attached test plots*

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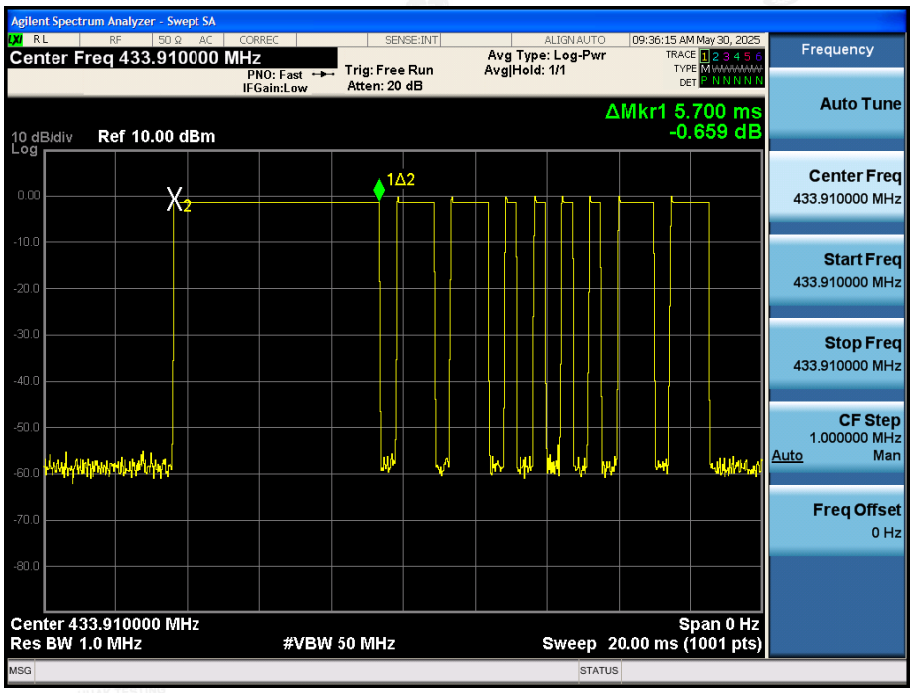


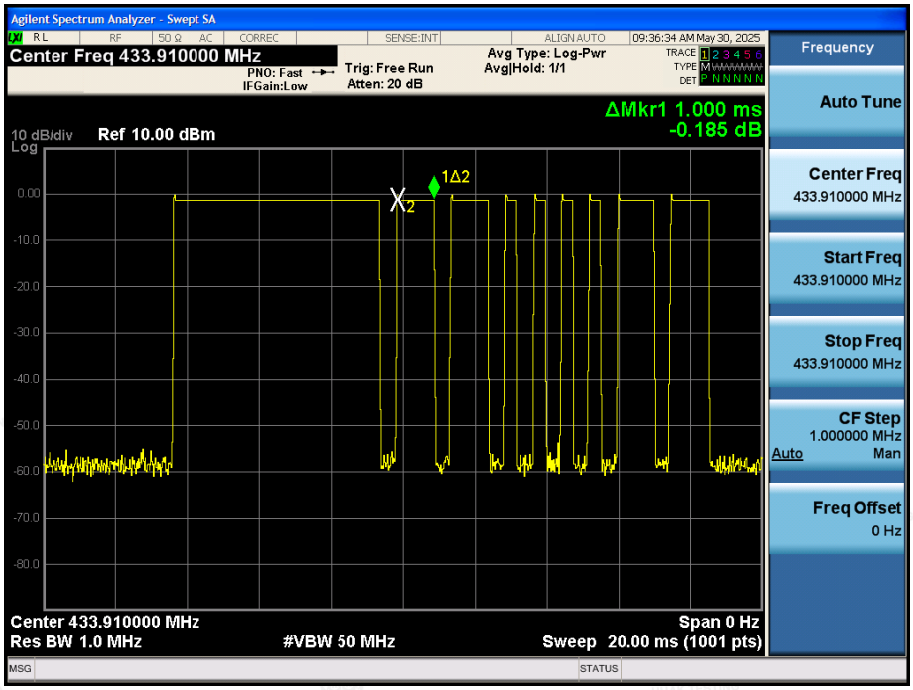


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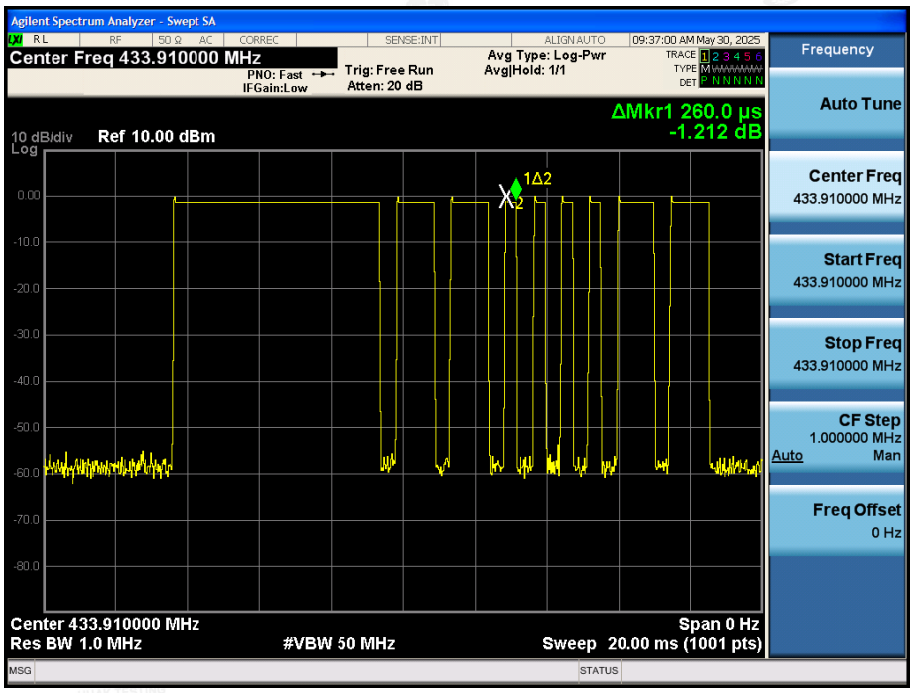


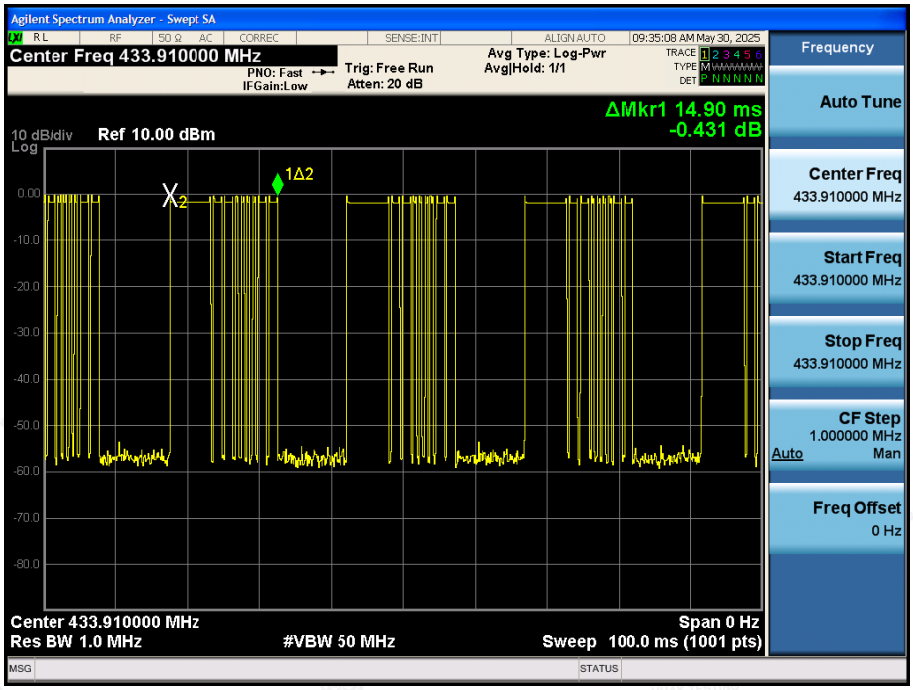


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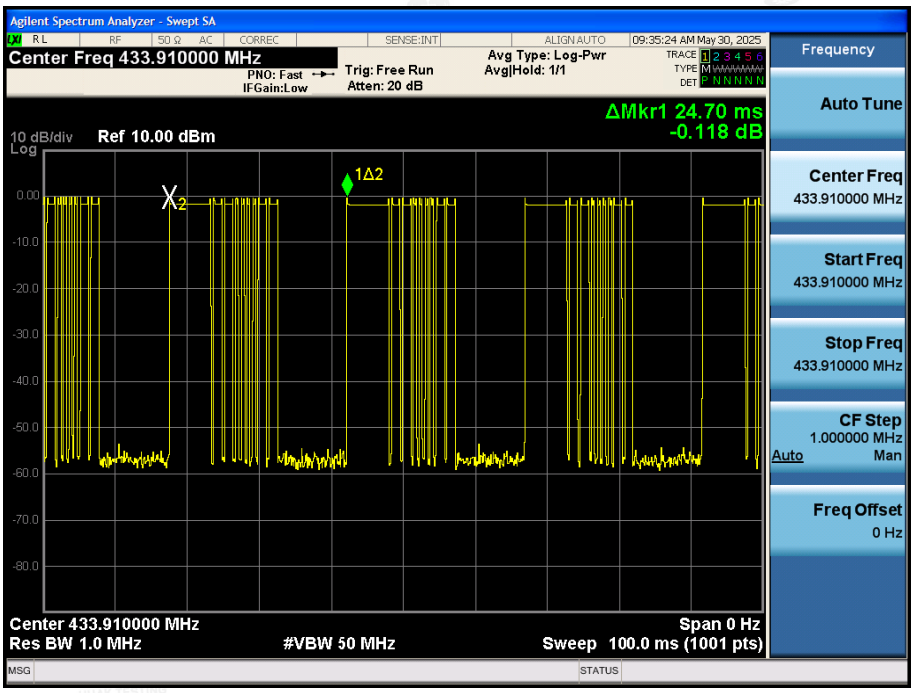


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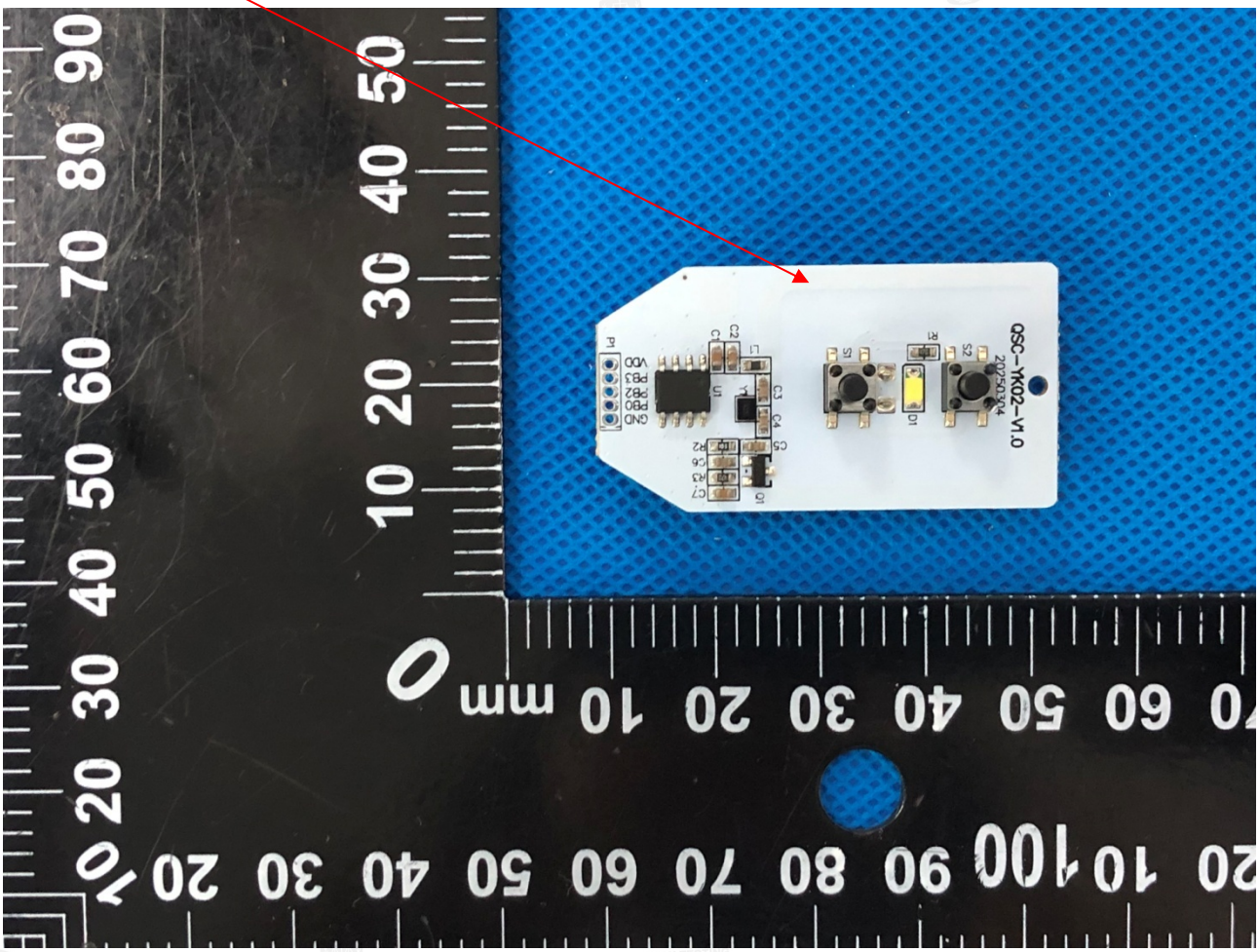
## 8. Antenna Connected Construction

The antenna used in this product is a PCB Antenna, is a permanently attached antenna on the PCB. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 0dBi.

Antenna

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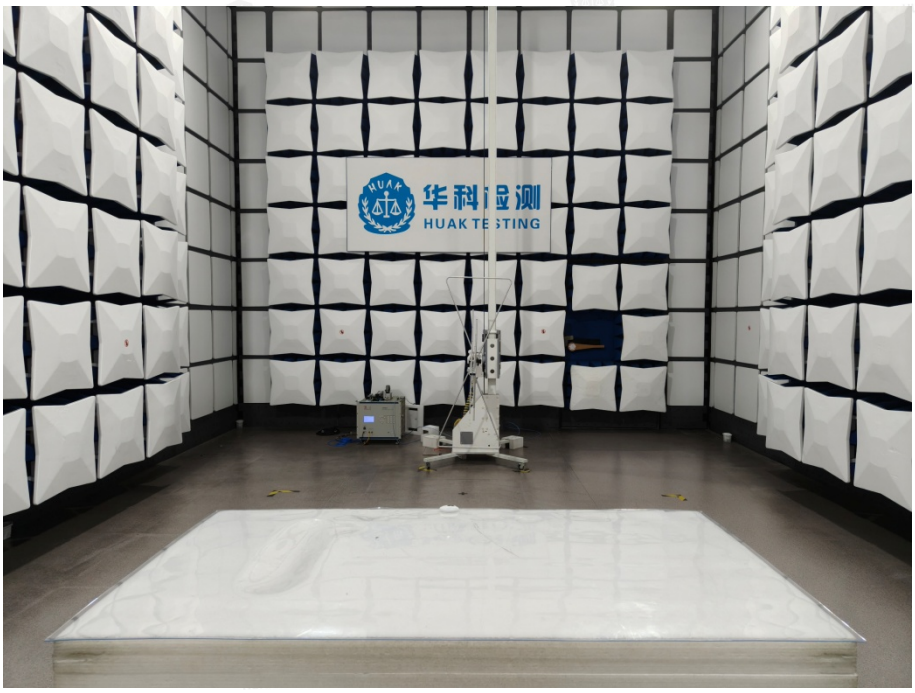
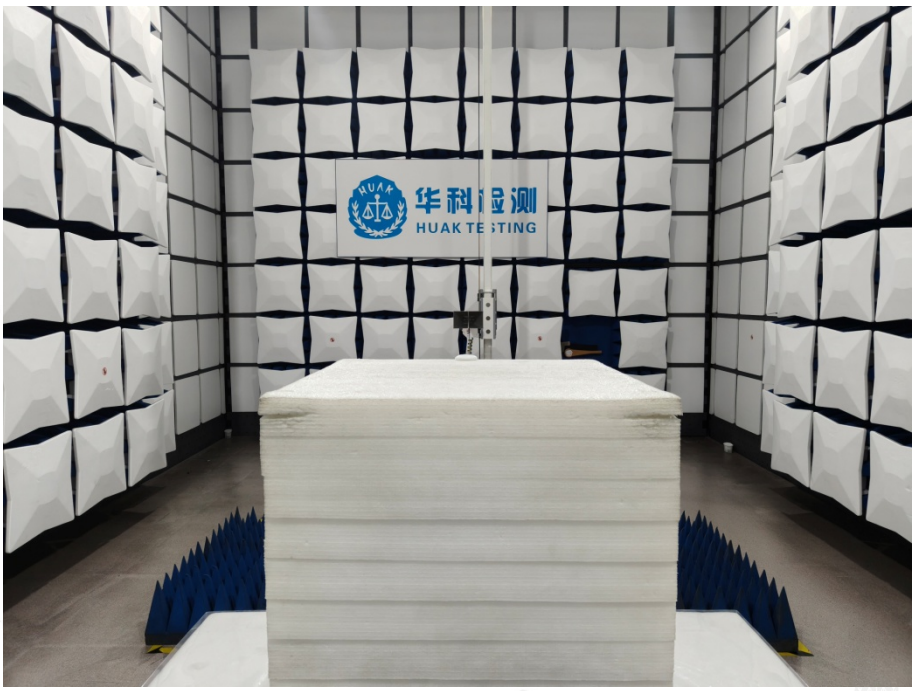
## 9. Photographs of Test

Radiated Emission

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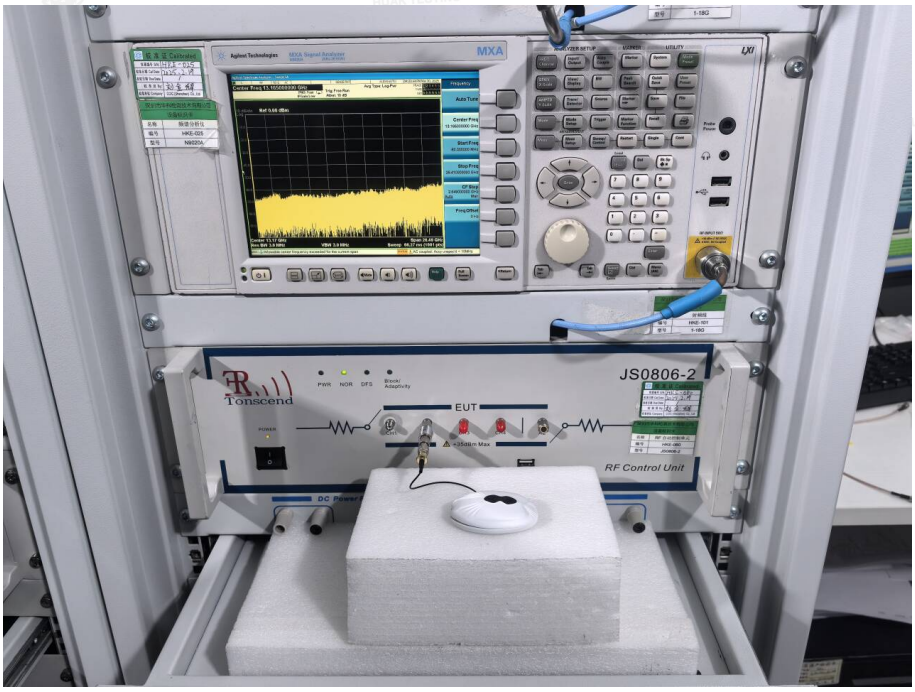
RF Conducted Emission

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## 10. Photos of the EUT

Reference to the report: ANNEX A of External photos and ANNEX B of Internal photos

*****End of Report*****

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