

## FCC PART 15.231

### TEST REPORT

For

#### **Ningbo Deyi Smart Home Co., Ltd**

101-102, Building 2, No.341, Wulipai, Jiaochuan Street, Zhenhai District, Ningbo city, Zhejiang Province, China

**FCC ID: 2AZ9W-WK80T-006**

|                                                                                                                                                                                                                                                     |                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>Report Type:</b><br>Original Report                                                                                                                                                                                                              | <b>Product Name:</b><br>Curtain Motor |
| <b>Report Number:</b> RQDA260708003-00B                                                                                                                                                                                                             |                                       |
| <b>Report Date:</b> 2026-08-14                                                                                                                                                                                                                      |                                       |
| <b>Reviewed By:</b>                                                                                                                                                                                                                                 | Winnie Yang                           |
| <b>Approved By:</b>                                                                                                                                                                                                                                 | Kyle Xu                               |
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

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REPORT REVISION HISTORY

| Number of Revisions | Report No.        | Version | Issue Date | Description     |
|---------------------|-------------------|---------|------------|-----------------|
| 0                   | RQDA260708003-00B | R1V1    | 2026-08-14 | Initial Release |

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Applicant:                    | Ningbo Deyi Smart Home Co., Ltd             |
| Product Name:                 | Curtain Motor                               |
| Tested Model:                 | WK80T                                       |
| Power Supply:                 | AC 100V~240V                                |
| RF Function:                  | SRD                                         |
| Operating Band/Frequency:     | 433.92 MHz                                  |
| Field Strength of Fundamental | 80.68 dB $\mu$ V/m@3m for peak output power |
| Channel Number:               | 1                                           |
| Modulation Type:              | GFSK                                        |
| Antenna Type:                 | Ceramic Chip Antenna                        |

*All measurement and test data in this report was gathered from production sample serial number: RQDA260708003-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-07-08.)*

### Objective

This test report is prepared for *Ningbo Deyi Smart Home Co., Ltd.* All the test measurements were performed according to the measurement procedure described in ANSI C63.10-2020.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.209, 15.35(c) and 15.231 rules.

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

**Measurement Uncertainty**

| Item                               |                | Uncertainty |
|------------------------------------|----------------|-------------|
| AC Power Lines Conducted Emissions |                | 3.19 dB     |
| RF conducted test with spectrum    |                | 0.9 dB      |
| Radiated emission                  | 9 kHz~150 kHz  | 3.8 dB      |
|                                    | 150 kHz~30 MHz | 3.4 dB      |
|                                    | 30 MHz~1 GHz   | 6.11 dB     |
|                                    | 1 GHz~6 GHz    | 4.45 dB     |
|                                    | 6 GHz~18 GHz   | 5.23 dB     |
| Occupied Bandwidth                 |                | 0.5 kHz     |
| Temperature                        |                | 1.0 °C      |
| Humidity                           |                | 6%          |

**Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

## SYSTEM TEST CONFIGURATION

### Justification

Channel List:

| Channel | Frequency (MHz) |
|---------|-----------------|
| 1       | 433.92          |

### EUT Exercise Software

The system was configured for testing in an engineering mode, which was provided by manufacturer

The maximum power was configured default setting ★.

### Equipment Modifications

No modification was made to the EUT.

### Support Equipment List and Details

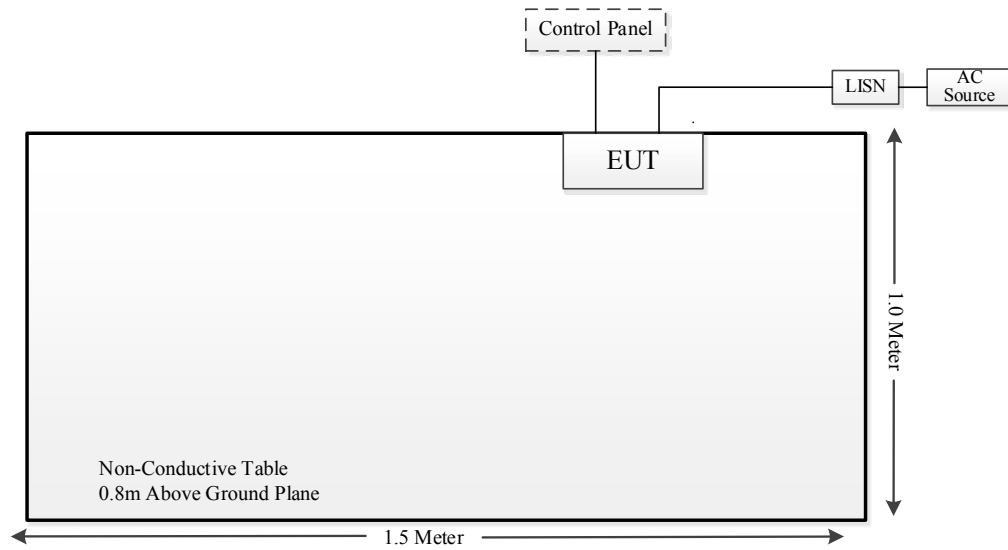
| Manufacturer | Description   | Model | Serial Number |
|--------------|---------------|-------|---------------|
| /            | Control Panel | /     | /             |

### External I/O Cable

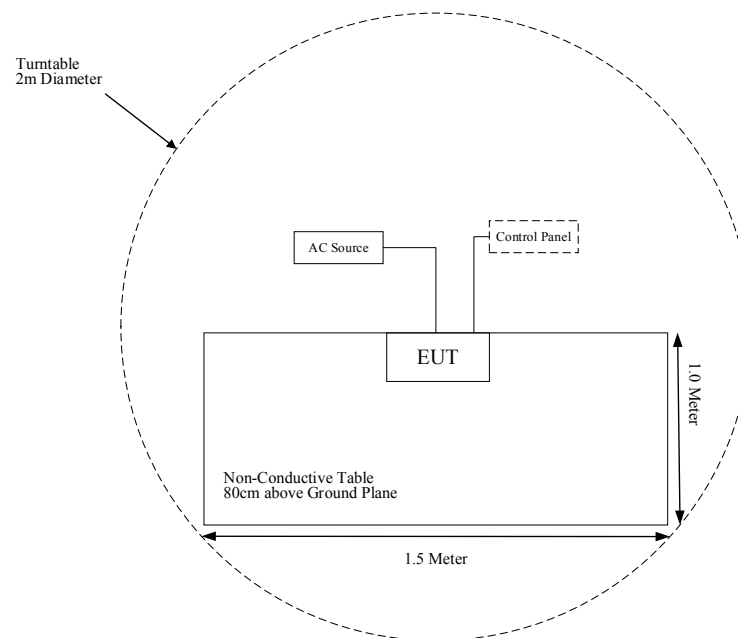
| Cable Description | Length (m) | From Port | To Port        |
|-------------------|------------|-----------|----------------|
| Power cable       | 3.0        | EUT       | AC Source/LISN |
| RJ45-8P4C         | 2.0        | EUT       | Control Panel  |

**Block Diagram of Test Setup**

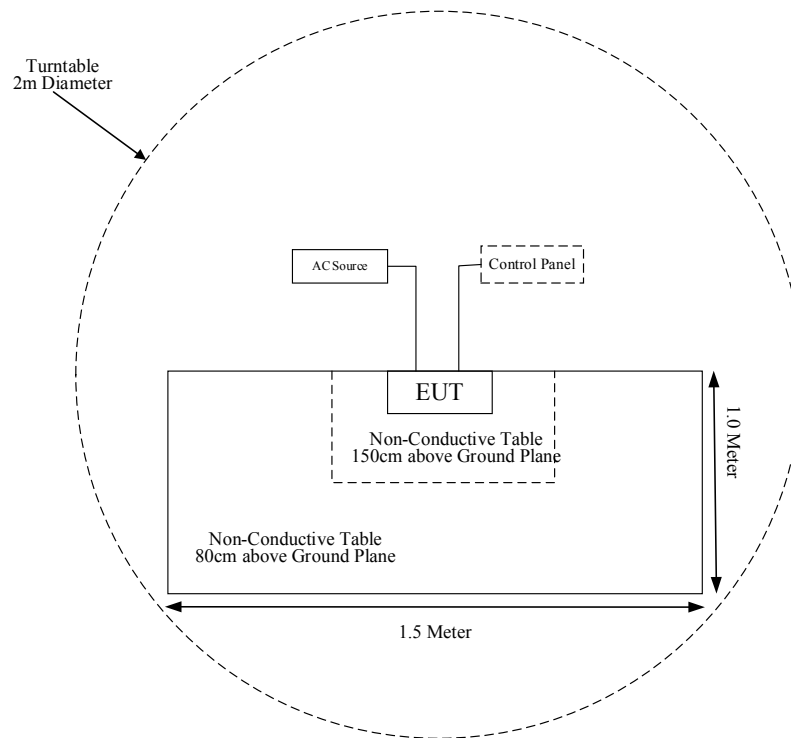
For Conducted Emissions:



For Radiated Emissions(Below 1GHz):



For Radiated Emissions(Above 1GHz):



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**SUMMARY OF TEST RESULTS**

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| FCC Rules                    | Description of Test     | Result    |
|------------------------------|-------------------------|-----------|
| §15.203                      | Antenna Requirement     | Compliant |
| §15.207(a)                   | Conducted Emissions     | Compliant |
| §15.205, §15.209, §15.231(b) | Radiated Emissions      | Compliant |
| §15.231 (a) (2)              | Deactivation            | Compliant |
| §15.231 (c)                  | 20dB Emission Bandwidth | Compliant |
| §1.1307                      | RF Exposure Evaluation  | Compliant |

## TEST EQUIPMENT LIST

| Manufacturer                                                                        | Description         | Model     | Serial Number | Calibration Date | Calibration Due Date |
|-------------------------------------------------------------------------------------|---------------------|-----------|---------------|------------------|----------------------|
| <b>Radiated Emission Test, Bandwidth Test and Deactivation Testing (Chamber 1#)</b> |                     |           |               |                  |                      |
| Rohde & Schwarz                                                                     | EMI Test Receiver   | ESCI      | 100195        | 2026-03-13       | 2027-03-12           |
| Sunol Sciences                                                                      | Hybrid Antenna      | JB3       | A090314-1     | 2024-11-08       | 2027-11-07           |
| Narda                                                                               | 6dB Attenuator      | 773-6     | 10690812-2-1  | 2024-11-08       | 2027-11-07           |
| Sonoma Instrument                                                                   | Amplifier           | 310N      | 171205        | 2026-03-13       | 2027-03-12           |
| BACL                                                                                | Active Loop Antenna | 1313-1A   | 4041511       | 2024-11-22       | 2027-11-21           |
| Rohde & Schwarz                                                                     | Signal Analyzer     | FSV40     | 101116        | 2026-03-16       | 2027-03-15           |
| MICRO-COAX                                                                          | Coaxial Cable       | Cable-8   | 008           | 2026-03-13       | 2027-03-12           |
| MICRO-COAX                                                                          | Coaxial Cable       | Cable-9   | 009           | 2026-03-13       | 2027-03-12           |
| MICRO-COAX                                                                          | Coaxial Cable       | Cable-10  | 010           | 2026-03-13       | 2027-03-12           |
| Rohde & Schwarz                                                                     | Test Software       | EMC32     | 100361        | N/A              | N/A                  |
| <b>Radiated Emission Test (Chamber 2#)</b>                                          |                     |           |               |                  |                      |
| Rohde & Schwarz                                                                     | EMI Test Receiver   | ESU40     | 100207/040    | 2026-03-16       | 2027-03-15           |
| ETS-LINDGREN                                                                        | Horn Antenna        | 3115      | 9207-3900     | 2024-11-03       | 2027-11-02           |
| A.H.Systems,inc                                                                     | Amplifier           | PAM-0118P | 512           | 2026-03-16       | 2027-03-15           |
| MICRO-COAX                                                                          | Coaxial Cable       | Cable-11  | 011           | 2026-03-16       | 2027-03-15           |
| MICRO-COAX                                                                          | Coaxial Cable       | Cable-12  | 012           | 2026-03-16       | 2027-03-15           |
| MICRO-COAX                                                                          | Coaxial Cable       | Cable-13  | 013           | 2026-03-16       | 2027-03-15           |
| Rohde & Schwarz                                                                     | Test Software       | EMC32     | 100361        | N/A              | N/A                  |
| <b>Conducted Emission Test</b>                                                      |                     |           |               |                  |                      |
| Rohde & Schwarz                                                                     | EMI Test Receiver   | ESR       | 101746        | 2026-03-13       | 2027-03-12           |
| Rohde & Schwarz                                                                     | LISN                | ENV216    | 101115        | 2026-03-12       | 2027-03-11           |
| Audix                                                                               | Test Software       | e3        | V9            | N/A              | N/A                  |
| Rohde & Schwarz                                                                     | Pulse Limiter       | ESH3-Z2   | 0357.8810.54  | 2026-04-08       | 2027-04-07           |
| MICRO-COAX                                                                          | Coaxial Cable       | Cable-15  | 015           | 2026-03-13       | 2027-03-12           |

**Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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## **FCC§15.203 - ANTENNA REQUIREMENT**

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### **Applicable Standard**

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.

### **Antenna Connected Construction**

The EUT has a Ceramic Chip antenna which was permanently attached, fulfill the requirement of this section. Please refer to EUT photos.

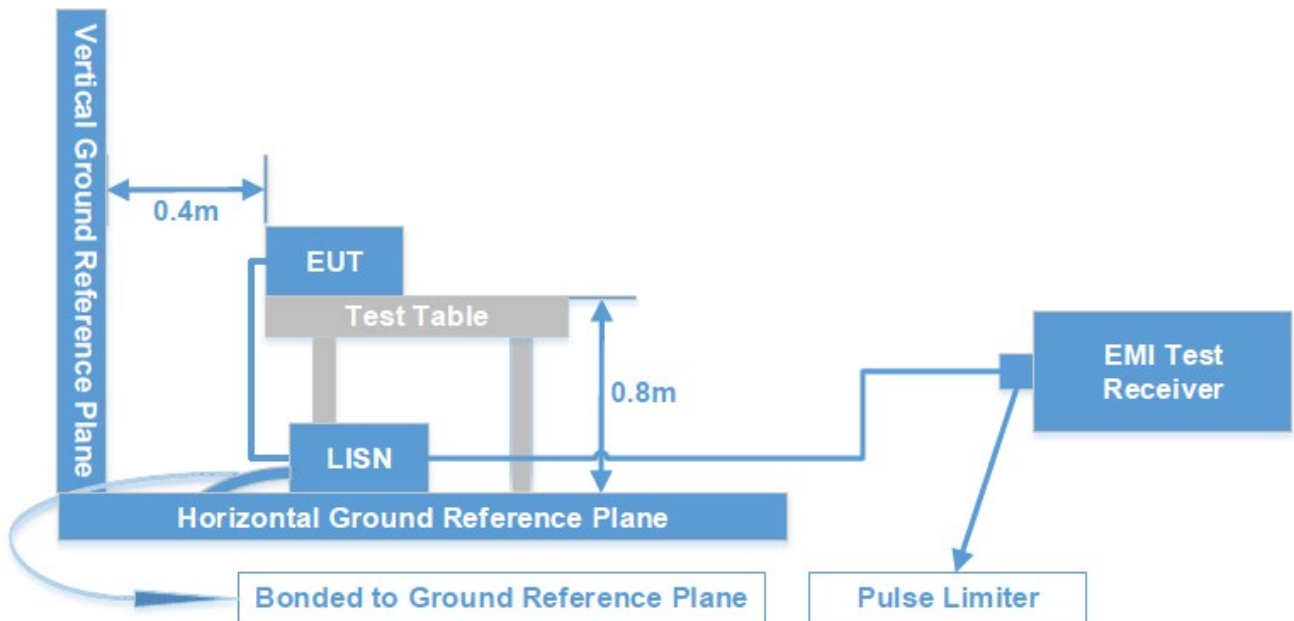
**Result:** Compliant.

## FCC §15.207 (a) – AC POWER LINE CONDUCTED EMISSIONS

### Applicable Standard

FCC §15.207(a)

### Test System Setup



The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

### EMI Test Receiver Setup

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | RBW   |
|------------------|-------|
| 150 kHz - 30 MHz | 9 kHz |

## Test Procedure

During the conducted emission test, the EUT was connected to the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

## Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)

Level (dB $\mu$ V) = Read level (dB $\mu$ V) + Factor (dB)

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

Over Limit (dB) = Level (dB $\mu$ V) - Limit (dB $\mu$ V)

## Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

**Test Data: See Appendix**

**FCC §15.205, §15.209, §15.231 (b) - RADIATED EMISSIONS****Applicable Standard**

FCC §15.205, §15.209, §15.231 (b)

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

| <b>Fundamental frequency (MHz)</b> | <b>Field strength of fundamental (microvolts/meter)</b> | <b>Field strength of spurious emission (microvolts/meter)</b> |
|------------------------------------|---------------------------------------------------------|---------------------------------------------------------------|
| 40.66-40.70                        | 2250                                                    | 225                                                           |
| 70-130                             | 1250                                                    | 125                                                           |
| 130-174                            | 1250 to 3750 ★                                          | 125 to 375 ★                                                  |
| 174-260                            | 3750                                                    | 375                                                           |
| 260-470                            | 3750 to 12500 ★                                         | 375 to 1250 ★                                                 |
| Above 470                          | 12500                                                   | 1250                                                          |

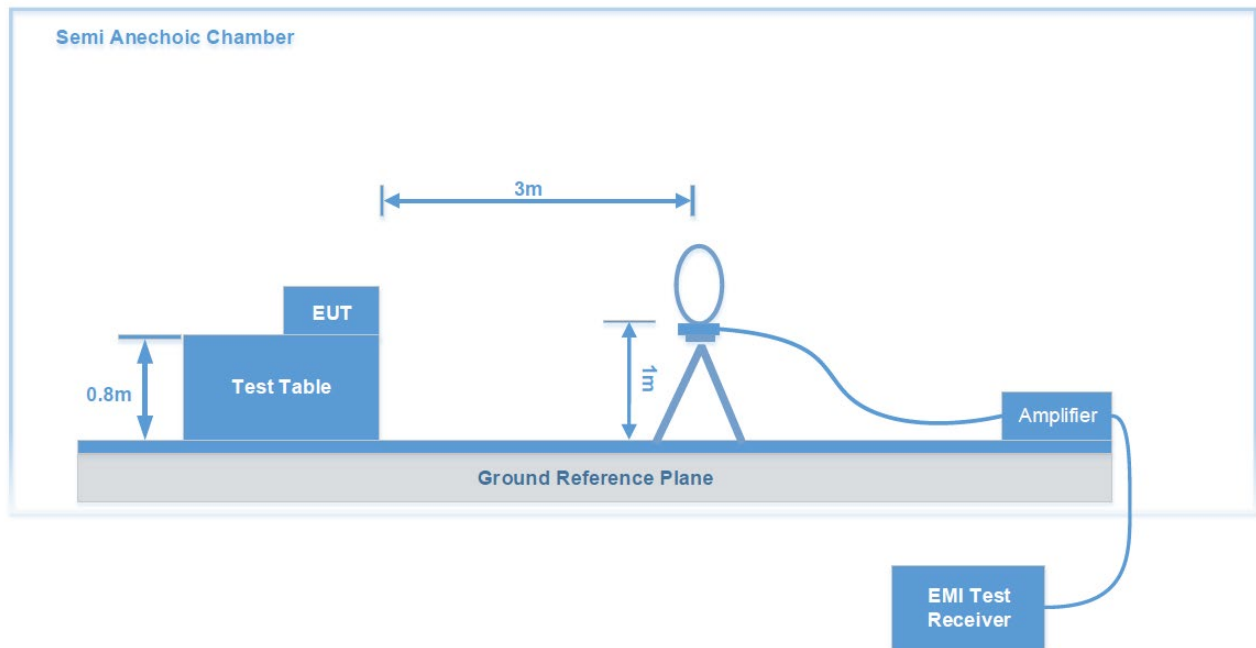
(1) The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges.

(2) Intentional radiators operating under the provisions of this section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in §15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

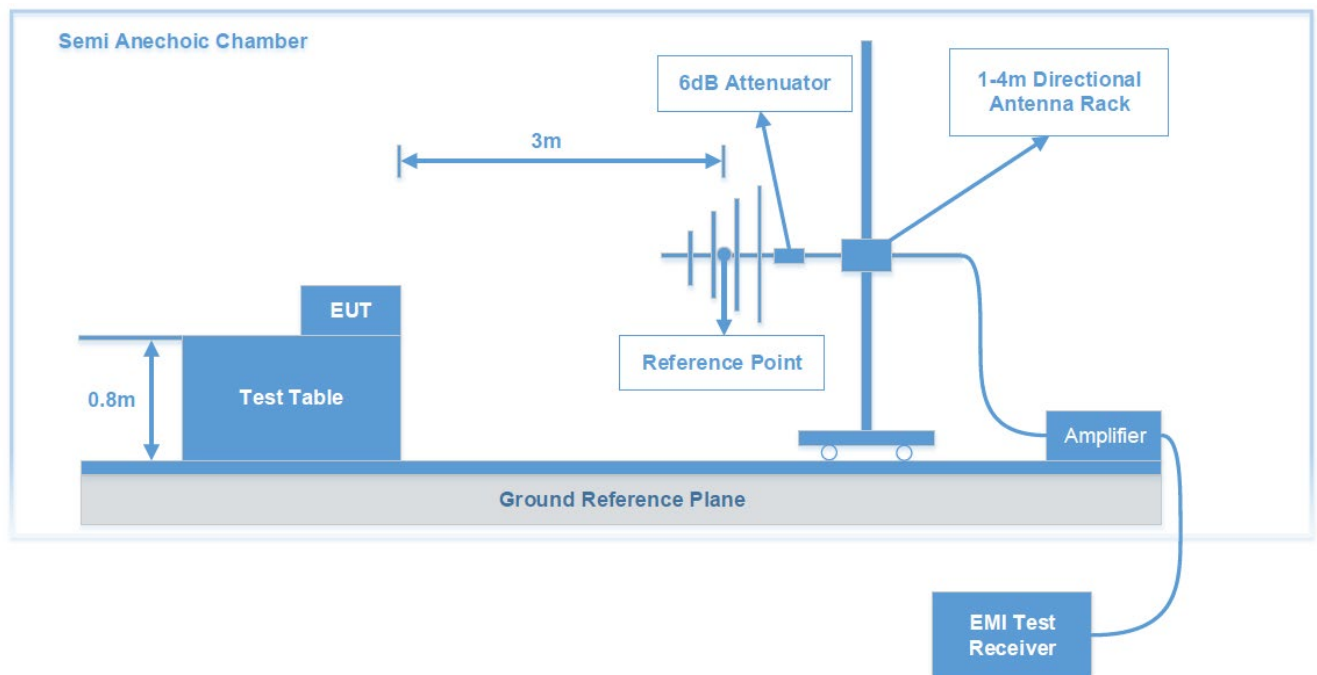
(3) The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in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

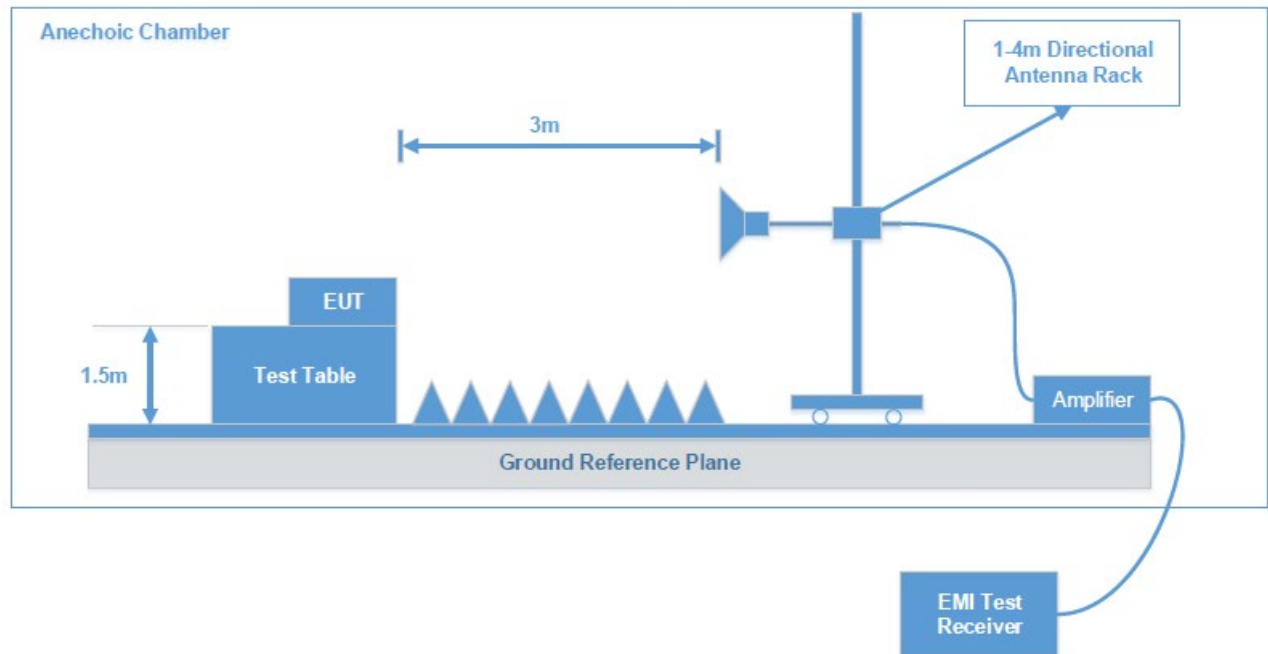
## Test System Setup

### 9 kHz-30 MHz:



### 30 MHz-1 GHz:



**Above 1 GHz:**

The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15 § 15.209, 15.205 and 15.231.

## EMI Test Receiver Setup

During the radiated emission test, the EMI test Receiver was set with the following configurations:

| Frequency Range   | RBW     | VBW     | IF B/W  | Measurement | Detector |
|-------------------|---------|---------|---------|-------------|----------|
| 9 kHz – 150 kHz   | 200 Hz  | 1 kHz   | 200 Hz  | Peak/QP     | Peak/QP  |
| 150 kHz – 30 MHz  | 9 kHz   | 30 kHz  | 9 kHz   | Peak/QP     | Peak/QP  |
| 30 MHz – 1000 MHz | 100 kHz | 300 kHz | /       | Peak        | Peak     |
|                   | /       | /       | 120 kHz | QP          | QP       |
| Above 1GHz        | 1MHz    | 3 MHz   | /       | Peak        | Peak     |

For 9 kHz-30 MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

## Test Procedure

Maximizing procedure was performed on at least six (6) highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

## Corrected Amplitude & Margin Calculation

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

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

## Test Results Summary

According to the data in the following table, the EUT complied with the FCC §15.205, §15.209, §15.231 (b).

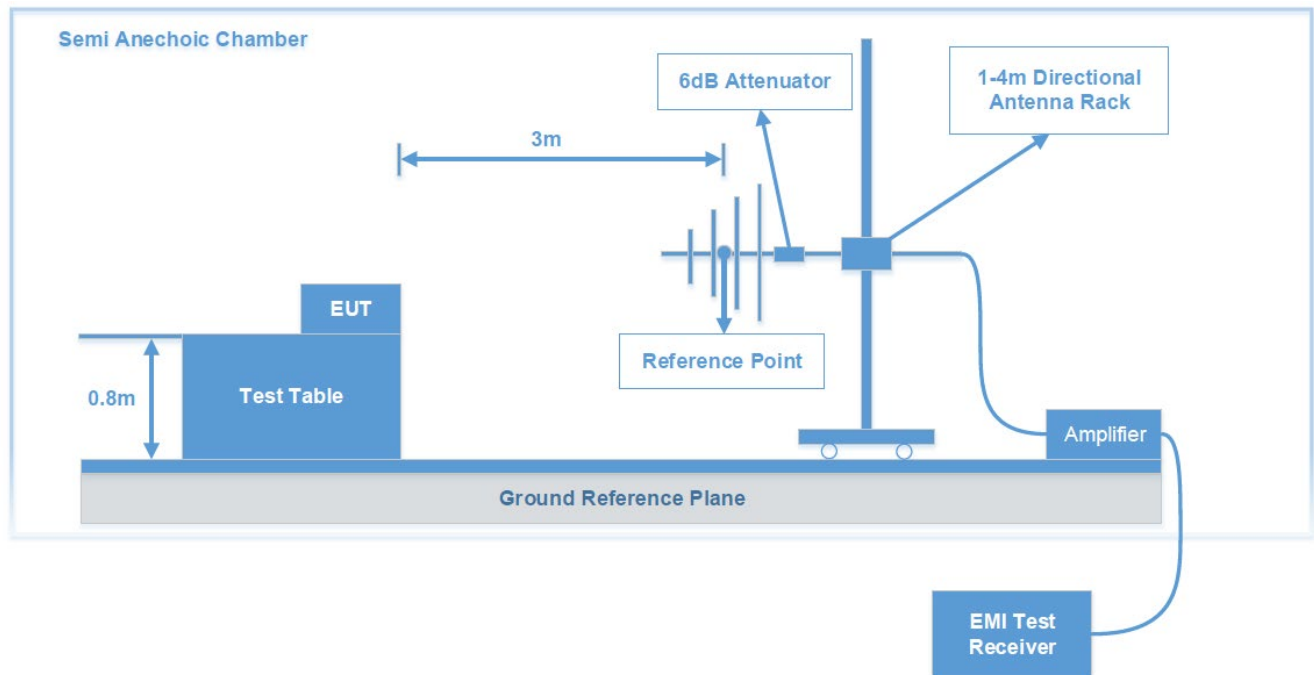
**Test Data: See Appendix**

## FCC §15.231(a) (2) - DEACTIVATION TESTING

### Applicable Standard

Per FCC §15.231(a), (2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

### Test System Setup



### Test Procedure

1. With the EUT's antenna attached, the waveform was received by the test antenna which was connected to the spectrum analyzer.
2. Set center frequency of spectrum analyzer=operating frequency.
3. Set the spectrum analyzer as RBW=100k VBW=300k Span=0Hz.
4. Repeat above procedures until all frequency measured was complete.

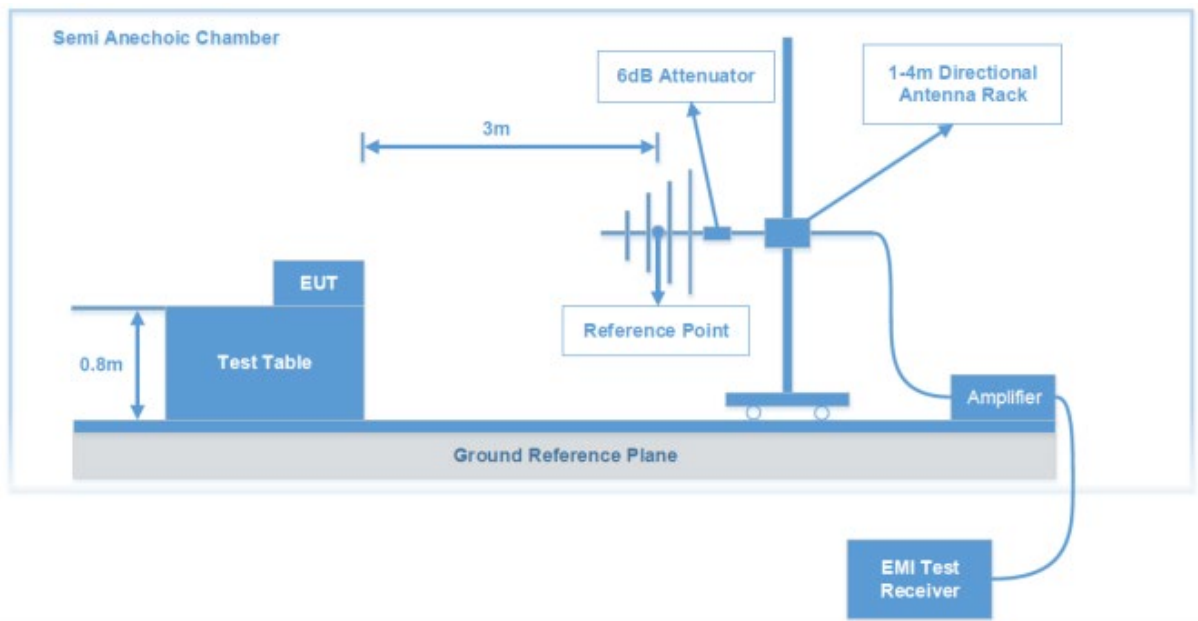
**Test Data:** See Appendix

## FCC §15.231(c) - 20dB EMISSION BANDWIDTH TESTING

### Applicable Standard

Per 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 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

### Test System Setup



### Test Procedure

With the EUT's antenna attached, the waveform was received by the test antenna which was connected to the spectrum analyzer, plot the 20 dB bandwidth.

**Test Data:** See Appendix

## RF EXPOSURE EVALUATION

### Applicable Standard

§1.1307(b)(3)(i) For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A).

| Frequency<br>(MHz) | Maximum EIRP<br>(dBm) | Maximum EIRP | 1-mW<br>Test Exemption |
|--------------------|-----------------------|--------------|------------------------|
|                    |                       | mW           |                        |
| 433.92             | -14.52                | 0.0353       | Compliant              |

### Note:

1. Chose the maximum power to do RF exposure evaluation analysis.
2. This device maximum E-Field level is 80.68 dB $\mu$ V/m at 3m, so the EIRP power is -14.52dBm.
3. Pout EIRP (dBm) = Field Strength of Fundamental (dB $\mu$ V/m)-95.2 for  $d=3m$ .

**Result: Compliant.** RF Exposure is exemption.

## APPENDIX - TEST DATA

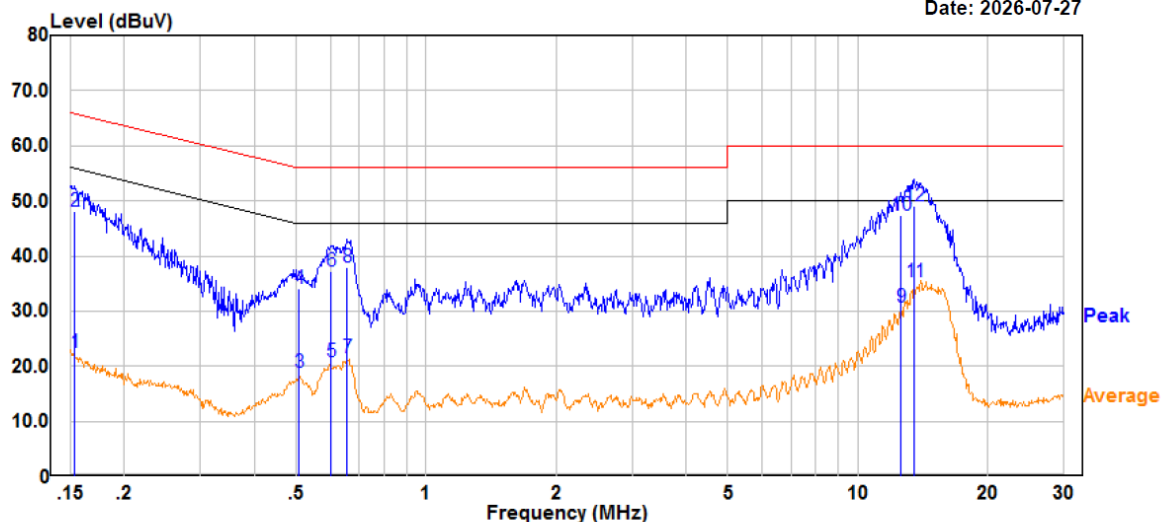
### AC POWER LINE CONDUCTED EMISSIONS

#### Environmental Conditions & Test Information

|                           |            |
|---------------------------|------------|
| <b>Test Date:</b>         | 2026-07-27 |
| <b>Temperature:</b>       | 28.8°C     |
| <b>Relative Humidity:</b> | 54%        |
| <b>ATM Pressure:</b>      | 101.2 kPa  |
| <b>Test Result:</b>       | Pass       |
| <b>Test Engineer:</b>     | Aiden Feng |

Line:

Date: 2026-07-27



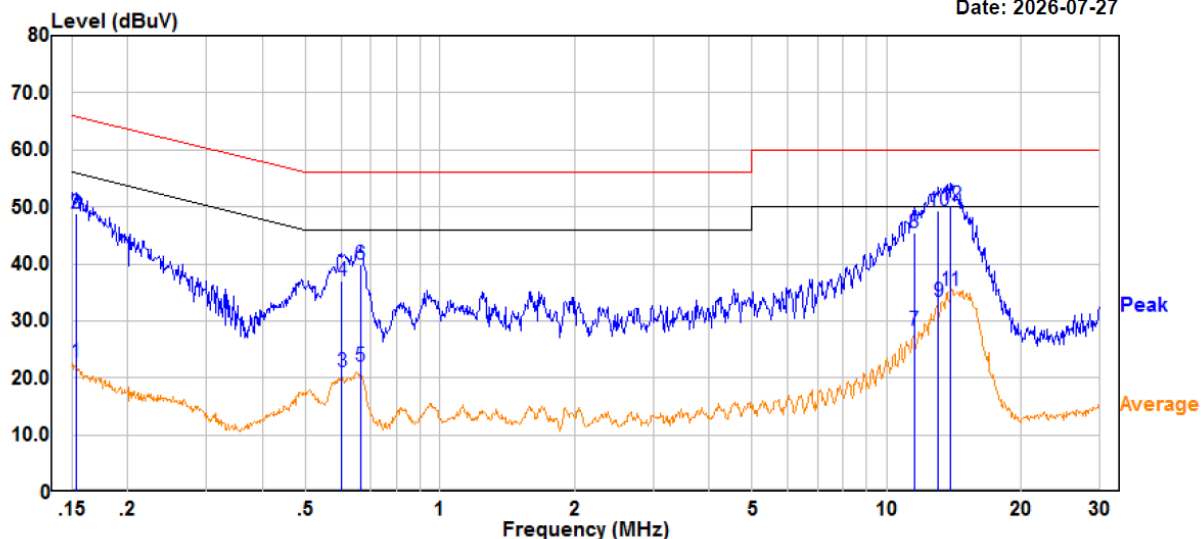
Trace: 1

Site : CE  
 Condition : limit\FCC PART 15.207  
 : DET:Peak  
 Project No. : RQDA260708003  
 Model : WK80T  
 Phase : L  
 Voltage : 120V/60Hz  
 Mode : SRD  
 Test Equipment : ENV216,ESR3  
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto  
 Temperature : 28.8°C  
 Humidity : 54%  
 Atmospheric pressure: 101.2kPa  
 Test Engineer : Aiden Feng  
 Check by : Bard Liu

|    | Read   |       |        | Limit | Over  |                |
|----|--------|-------|--------|-------|-------|----------------|
|    | Freq   | Level | Factor | Level | Line  | Limit Remark   |
|    | MHz    | dBuV  | dB     | dBuV  | dBuV  | dB             |
| 1  | 0.154  | 2.20  | 20.39  | 22.59 | 55.79 | -33.20 Average |
| 2  | 0.154  | 27.80 | 20.39  | 48.19 | 65.79 | -17.60 QP      |
| 3  | 0.509  | -1.50 | 20.29  | 18.79 | 46.00 | -27.21 Average |
| 4  | 0.509  | 13.70 | 20.29  | 33.99 | 56.00 | -22.01 QP      |
| 5  | 0.603  | 0.40  | 20.32  | 20.72 | 46.00 | -25.28 Average |
| 6  | 0.603  | 16.90 | 20.32  | 37.22 | 56.00 | -18.78 QP      |
| 7  | 0.656  | 1.20  | 20.33  | 21.53 | 46.00 | -24.47 Average |
| 8  | 0.656  | 17.70 | 20.33  | 38.03 | 56.00 | -17.97 QP      |
| 9  | 12.603 | 10.10 | 20.51  | 30.61 | 50.00 | -19.39 Average |
| 10 | 12.603 | 26.90 | 20.51  | 47.41 | 60.00 | -12.59 QP      |
| 11 | 13.514 | 14.80 | 20.51  | 35.31 | 50.00 | -14.69 Average |
| 12 | 13.514 | 28.60 | 20.51  | 49.11 | 60.00 | -10.89 QP      |

**Neutral:**

Date: 2026-07-27



Trace: 1

Site : CE  
 Condition : limit\FCC PART 15.207  
 : DET:Peak  
 Project No. : RQDA260708003  
 Model : WK80T  
 Phase : N  
 Voltage : 120V/60Hz  
 Mode : SRD  
 Test Equipment : ENV216,ESR3  
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto  
 Temperature : 28.8°C  
 Humidity : 54%  
 Atmospheric pressure: 101.2kPa  
 Test Engineer : Aiden Feng  
 Check by : Bard Liu

|      | Read   |        |       | Limit | Over  |                |
|------|--------|--------|-------|-------|-------|----------------|
| Freq | Level  | Factor | Level | Line  | Limit | Remark         |
| MHz  | dBuV   | dB     | dBuV  | dBuV  | dB    |                |
| 1    | 0.153  | 2.30   | 20.41 | 22.71 | 55.83 | -33.12 Average |
| 2    | 0.153  | 28.40  | 20.41 | 48.81 | 65.83 | -17.02 QP      |
| 3    | 0.603  | 0.80   | 20.33 | 21.13 | 46.00 | -24.87 Average |
| 4    | 0.603  | 16.70  | 20.33 | 37.03 | 56.00 | -18.97 QP      |
| 5    | 0.662  | 1.60   | 20.35 | 21.95 | 46.00 | -24.05 Average |
| 6    | 0.662  | 19.60  | 20.35 | 39.95 | 56.00 | -16.05 QP      |
| 7    | 11.521 | 7.81   | 20.51 | 28.32 | 50.00 | -21.68 Average |
| 8    | 11.521 | 25.01  | 20.51 | 45.52 | 60.00 | -14.48 QP      |
| 9    | 13.050 | 12.89  | 20.53 | 33.42 | 50.00 | -16.58 Average |
| 10   | 13.050 | 28.89  | 20.53 | 49.42 | 60.00 | -10.58 QP      |
| 11   | 13.855 | 14.70  | 20.53 | 35.23 | 50.00 | -14.77 Average |
| 12   | 13.855 | 29.70  | 20.53 | 50.23 | 60.00 | -9.77 QP       |

**RADIATED EMISSIONS****Environmental Conditions & Test Information**

| Test Item:         | RADIATED EMISSIONS |              |             |
|--------------------|--------------------|--------------|-------------|
|                    | 9kHz – 30MHz       | 30MHz - 1GHz | Above 1 GHz |
| Test Date:         | 2026-07-29         | 2026-07-29   | 2026-07-29  |
| Temperature:       | 24.5℃              | 24.5℃        | 24.3℃       |
| Relative Humidity: | 52 %               | 52 %         | 47 %        |
| ATM Pressure:      | 101.1 kPa          | 101.1 kPa    | 101.3 kPa   |
| Test Result:       | Pass               | Pass         | Pass        |
| Test Engineer:     | Scarf Yang         | Scarf Yang   | Destine Hu  |

**Test Result:** Compliant

*EUT operation mode: Transmitting*

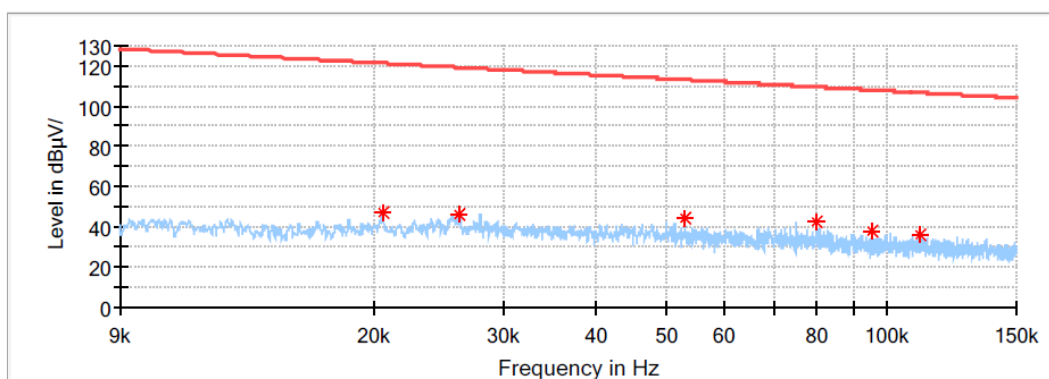
*Loop antenna was pre-scanned in Parallel, Ground-parallel and Perpendicular orientations with EUT placed in X, Y, Z positions.*

*The worst-case emission was observed at Parallel orientation with EUT in X position.*

*Test results are recorded as follows :*

**9kHz-150kHz:  
Parallel(worst case)****Common Information**

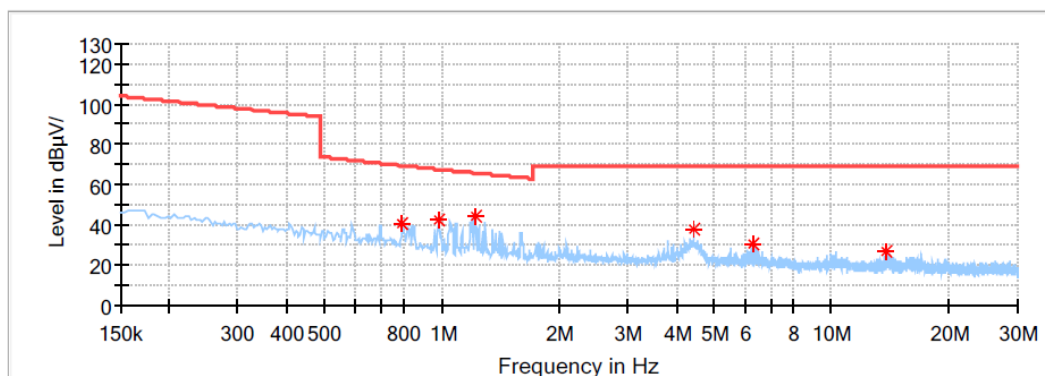
|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RQDA260708003                                       |
| EUT Model:           | WK80T                                               |
| Test Mode:           | SRD                                                 |
| Standard:            | FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.231 |
| Test Equipment:      | ESCI, 1313-1A, 310N                                 |
| Receiver Setting:    | RBW: 200 Hz, VBW: 1 kHz, Sweep Time: Auto           |
| Temperature:         | 24.5°C                                              |
| Humidity:            | 52%                                                 |
| Barometric Pressure: | 101.1 kPa                                           |
| Test Engineer:       | Scarf Yang                                          |
| Check by:            | Winnie Yang                                         |
| Test Date:           | 2026/7/29                                           |

**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol      | Corr. (dB/m) |
|-----------------|--------------------|------------------|-------------|----------|--------------|
| 0.020492        | 46.97              | 121.37           | 74.39       | Parallel | -0.1         |
| 0.026043        | 45.81              | 119.28           | 73.48       | Parallel | -0.1         |
| 0.053027        | 44.52              | 113.11           | 68.59       | Parallel | -3.6         |
| 0.079976        | 42.08              | 109.54           | 67.46       | Parallel | -6.8         |
| 0.095098        | 38.04              | 108.04           | 70.00       | Parallel | -8.1         |
| 0.111031        | 36.18              | 106.70           | 70.52       | Parallel | -9.0         |

**150kHz-30MHz:  
Parallel(worst case)****Common Information**

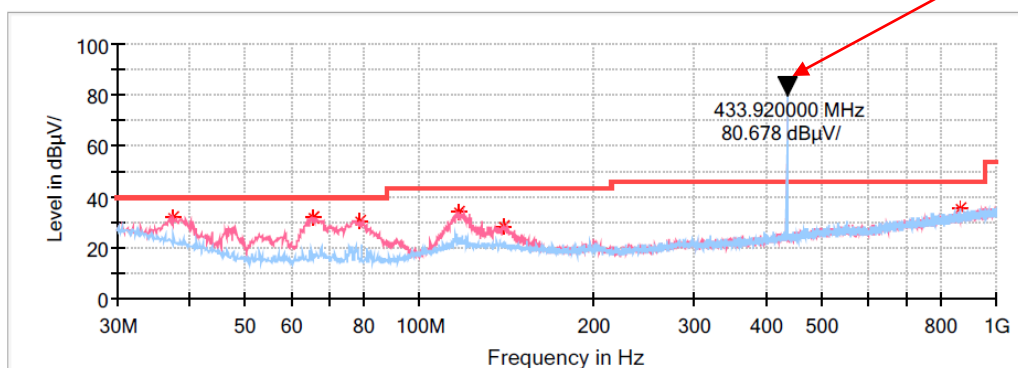
Project No: RQDA260708003  
EUT Model: WK80T  
Test Mode: SRD  
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.231  
Test Equipment: ESCI, 1313-1A, 310N  
Receiver Setting: RBW: 9k Hz, VBW: 30 kHz, Sweep Time: Auto  
Temperature: 24.5°C  
Humidity: 52%  
Barometric Pressure: 101.1kPa  
Test Engineer: Scarf Yang  
Check by: Winnie Yang  
Test Date: 2026/7/29

**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol      | Corr. (dB/m) |
|-----------------|------------------------|----------------------|-------------|----------|--------------|
| 0.791775        | 40.46                  | 69.43                | 28.97       | Parallel | -25.3        |
| 0.985800        | 42.30                  | 67.52                | 25.22       | Parallel | -27.0        |
| 1.217138        | 44.24                  | 65.73                | 21.49       | Parallel | -27.8        |
| 4.433475        | 38.01                  | 69.54                | 31.53       | Parallel | -31.3        |
| 6.310294        | 30.68                  | 69.54                | 38.86       | Parallel | -31.6        |
| 13.877269       | 26.78                  | 69.54                | 42.76       | Parallel | -32.2        |

**30 MHz-1 GHz:****Common Information**

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RQDA260708003                                       |
| EUT Model:           | WK80T                                               |
| Test Mode:           | SRD                                                 |
| Standard:            | FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.231 |
| Test Equipment:      | ESCI, JB3, 310N                                     |
| Receiver Setting:    | RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto        |
| Temperature:         | 24.5°C                                              |
| Humidity:            | 52%                                                 |
| Barometric Pressure: | 101.1kPa                                            |
| Test Engineer:       | Scarf Yang                                          |
| Check by:            | Winnie Yang                                         |
| Test Date:           | 2026/7/29                                           |

**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|------------------|-------------|-----|--------------|
| 37.517500       | 31.64              | 40.00            | 8.36        | V   | -9.6         |
| 65.647500       | 31.78              | 40.00            | 8.22        | V   | -16.7        |
| 78.863750       | 30.69              | 40.00            | 9.31        | V   | -17.0        |
| 117.057500      | 34.01              | 43.50            | 9.49        | V   | -11.2        |
| 139.973750      | 28.52              | 43.50            | 14.98       | V   | -11.0        |
| 433.920000      | 80.68              | 80.83            | 0.15        | H   | -7.1         |
| 867.958750      | 35.54              | 46.00            | 10.46       | H   | 0.9          |

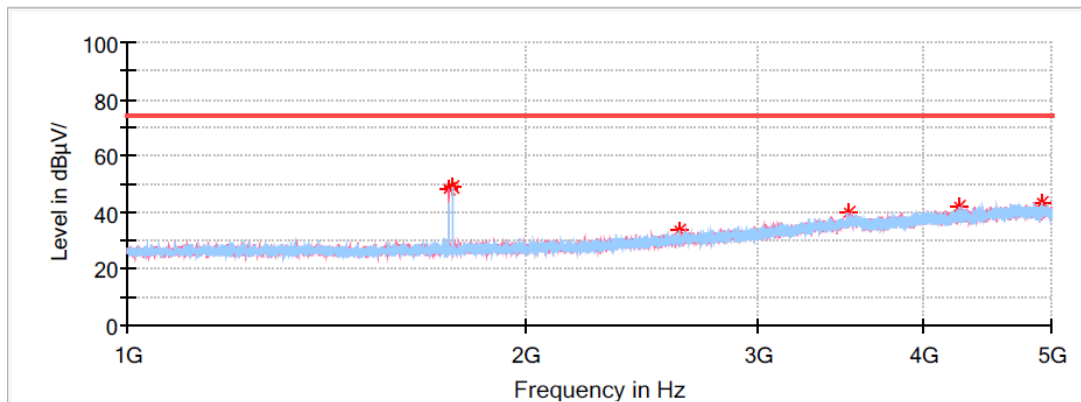
Note: The test results are below the average limits, so only peak values were recorded for fundamental.

Above 1 GHz:

## Common Information

Project No.: RQDA260708003  
EUT Model: WK80T  
Test Mode: Transmitting in SRD  
Standard: FCC Part 15.231& FCC Part 15.205& FCC Part 15.209  
Test Equipment: ESU40,3115,PAM-0118P  
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto  
Temperature: 24.3°C  
Humidity: 47%  
Atmospheric Pressure: 101.3kPa  
Test Engineer: Destine Hu  
Check by: Winnie Yang  
Test Date: 2026/7/29

Full Spectrum



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1735.680000     | 48.15              | ---                | 74.00            | 25.85       | V   | -12.9        |
| 1762.800000     | 48.70              | ---                | 74.00            | 25.30       | H   | -12.8        |
| 2612.000000     | 33.41              | ---                | 74.00            | 40.59       | H   | -9.8         |
| 3511.400000     | 39.92              | ---                | 74.00            | 34.08       | V   | -6.2         |
| 4251.600000     | 41.75              | ---                | 74.00            | 32.25       | H   | -4.7         |
| 4910.600000     | 43.46              | ---                | 74.00            | 30.54       | H   | -3.1         |

Note: The test result of peak was less than 20dB below the limit, so just peak values were recorded.

# DEACTIVATION TESTING

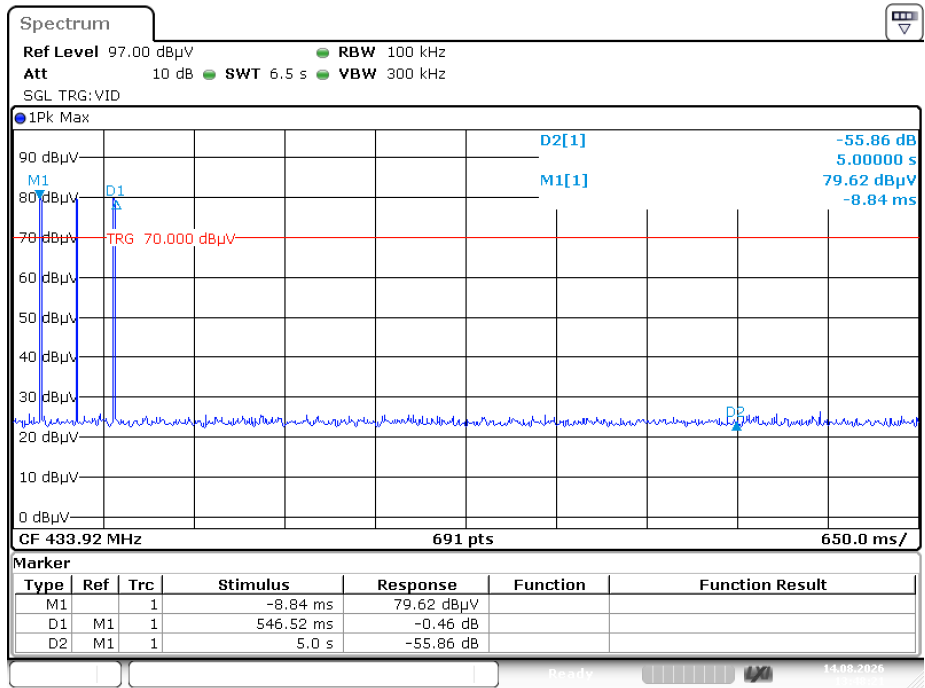
## Environmental Conditions & Test Information

|                    |            |
|--------------------|------------|
| Test Date:         | 2026-08-14 |
| Temperature:       | 27.3 °C    |
| Relative Humidity: | 54%        |
| ATM Pressure:      | 100.4 kPa  |
| Test Result:       | Pass       |
| Test Engineer:     | Neil Zhou  |

Test mode: Transmitting

| Channel Frequency (MHz) | T-stop   | Limit | Result |
|-------------------------|----------|-------|--------|
| 433.92                  | 546.52ms | 5s    | Pass   |

$T_{stop} < 5s$



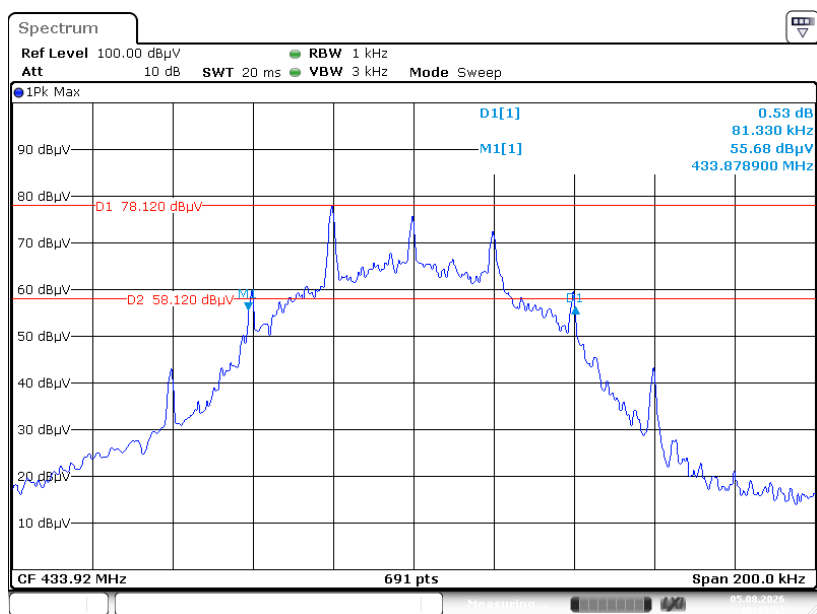
ProjectNo.:RQDA260708003 Tester:Neil Zhou  
Date: 14.AUG.2026 13:48:20

**20 dB EMISSION BANDWIDTH TESTING****Environmental Conditions & Test Information**

|                    |            |
|--------------------|------------|
| Test Date:         | 2026-08-05 |
| Temperature:       | 27.9°C     |
| Relative Humidity: | 52%        |
| ATM Pressure:      | 100.8 kPa  |
| Test Result:       | Pass       |
| Test Engineer:     | Neil Zhou  |

*Test Mode: Transmitting*

| Channel Frequency (MHz) | 20dB Bandwidth (kHz) | Limit (kHz) | Result |
|-------------------------|----------------------|-------------|--------|
| 433.92                  | 81.33                | 1084.8      | Pass   |

**Note:** Limit = 0.25% \* Center Frequency = 0.25% \* 433.92 MHz = 1084.8 kHz**20 dB Emission Bandwidth**

ProjectNo.:RQDA260708003 Tester:Neil Zhou  
Date: 5.AUG.2026 10:42:52

## **EUT PHOTOGRAPHS**

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Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

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## **TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment EXHIBIT C - TEST SETUP PHOTOGRAPHS.

### **Declarations**

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor  $k=2$  with the 95.45% confidence interval.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***