



WSCT

# **TEST REPORT**

FCC ID: 2BDBM-V5-L

**Product: LED Controller** 

Model No.: V5-L(WT) Series model.: V5-L(WB), V5-L(WZ), V5-L

Trade Mark: Skydance

Report No.: WSCT-ANAB-R&E250700056A-15B

Issued Date: 31 July 2025

Issued for:

Guangzhou Skydance Co.,Ltd. 1-3F, No.19, ChuangYuan Road, Zhongcun Street, Panyu District, Guangzhou, China 511495

W5CT

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd.

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| W5 ET                                  | WSET  | WS ET                                       |                                   |   | WS ET   |               |
|  |   |   |                                   |   |   |               |
|  |   |   |                                   |   |   |               |
|  | W5 CT   | W5ET°                                       | WSET                              | WSET                                    | W5 C  |               |
| $\times$                               | X   | X   | $\rightarrow$                     |   | X   |               |
| WSCT                                   | WSET  | WSCT  | WS                                |   | WSET  |               |
| 7117675                                |   |   |                                   |   |   |               |
|  | X   |   | X                                 |   | X   |               |
|  | WSET  | W5 CT                                       | WSET                              | WSET                                    | W5 C  | 7             |
|  |   |   | $\searrow$                        |   | $\bigvee$   |               |
|  |   |   |                                   |   |   |               |
| WSCT                                   | WSET  | WSET  | W5 L                              |   | W5 CT   | $\overline{}$ |
|  | X   | X   | X                                 | $\times$                                | X   |               |
|  | WSET  | WSET  | WSET                              | W5 CT                                   | cation& Test  | 7             |
|  |   |   |                                   |   | WSCT OCIONAL TOSITION OCIONAL DE LA CONTRACTION |               |
|  |   |   |                                   |   | WSCT WSCT   | Sheny         |
| WSET                                   | WSET  | WSET  | W5L                               |   | Selsom * Pricos   | //            |
| ADD: Building A-B, Baoli's             | an Industrial Park, No. 58 and 60, Tangtou Aver | nue, Shiyan Street, Bao'an District, Shenzh | en City, Guangdong Province, Chir | 18. 深圳世标检测认证股份有限                        | 公司 SPIJOM # PITTOS  |               |

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## **Test Certification**

**Product: LED Controller** 

Model No.: V5-L(WT)

Trade Mark: Skydance

Applicant: Guangzhou Skydance Co.,Ltd.

1-3F, No.19, ChuangYuan Road, Zhongcun Street, Panyu District,

Guangzhou, China 511495

Guangzhou Skydance Co.,Ltd. Manufacturer:

1-3F, No.19, ChuangYuan Road, Zhongcun Street, Panyu District,

WSET

Guangzhou, China 511495

Guangzhou Skydance Co.,Ltd. Factory:

1-3F, No.19, ChuangYuan Road, Zhongcun Street, Panyu District,

Guangzhou. China 511495

**Date of Test:** 20 June 2025 to 31 July 2025

**Applicable** FCC CFR Title 47 Part 15 Subpart B

Standards: The above equipment has been tested by World Standardization Certification & Testing

Group(Shenzhen) Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Checked By:

(Chen Xu)

WSET

(Jiang Guanliang)

Approved By:

( Qin Shuiquan)

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W5 CT

## 2. GENERAL DESCRIPTION OF EUT

|   | Product<br>Name:     | LED Controller 7 WS [7] WS [7]                                | 15 C |  |  |  |  |  |
|---|----------------------|---|------|--|--|--|--|--|
| 1 | Model :              | V5-L(WT)  |      |  |  |  |  |  |
|   | Trade Mark:          | Skydance  |      |  |  |  |  |  |
|   | Operating<br>Voltage | DC 24V from DC source(Product operating voltage range:12-48V) |      |  |  |  |  |  |
|   | Remark:              | N/A.  |      |  |  |  |  |  |

NOTE: V5-L (WT), V5-L (WB), V5-L (WZ), V5-L only have different names, everything else is completely consistent.V5-L(WT) is the main test model

W5 ET WS C W5C7 W5 CT WS CT WSCI W5 CT W5 CT WS ET W5 ET WS CI W5 C W5 C W5E W5 CI W5C1 WS ET W5 CT W5 C1 W5 C 7

D: Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, Chin L: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http: www.wsct-cert.com

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W5 ET

WSET





W5C7

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# 3. Test Result Summary

|   | TARE CT.           | THE PER           | AMERICAN STREET |
|---|--------------------|-------------------|-----------------|
| - | Requirement        | CFR 47 Section    | Result          |
|   | CONDUCTED EMISSION | §15.107           | NA              |
| 0 | RADIATED EMISSION  | W5ET §15.109 W5ET | PASS 5 CT       |

|   |   | CONDUCTED EMISSION  | §15.107           | NA                 |                            |
|---|---|---|-------------------|--------------------|----------------------------|
| 1 | W5 CT°  | RADIATED EMISSION   | W5ET §15.109 W5ET | PASS 5 CT          |                            |
|   |   | X   |                   | X                  |                            |
|   |   | Note:   |                   |                    |                            |
|   |   | 1. PASS: Test item meets the require  |                   | WSET               | WSCT"                      |
|   | X   | <ol> <li>Fail: Test item does not meet the</li> <li>N/A: Test case does not apply to</li> </ol> | X X               | X                  |                            |
|   | W5ET  | 4. The test result judgment is decide   |                   | WSET               |                            |
|   | IFITA   |   | / 1126            |                    |                            |
|   |   | X   | X                 | X                  | X                          |
|   |   | WSET WSE  | T° WSET°          | W5 CT°             | WSET                       |
|   | $\bigvee$   |   |                   |                    |                            |
|   | $\wedge$  |   |                   |                    |                            |
| Δ | W5CT°   | WSET  | WSET WSET         | WSCT               |                            |
|   |   | $\times$  | $\prime$          |                    | $\times$                   |
| _ |   |   |                   |                    |                            |
|   |   | WSET WSE  | T WS CT           | WSET               | WS CT                      |
|   | X   | X   | X                 | X                  |                            |
| 1 | WS CT   | WSET  | WSET WSET         | WSCT               |                            |
|   | 17174   |   |                   |                    |                            |
|   |   | X   | X                 | X                  | X                          |
| 1 |   | WSCT WSC  | T WS CT           | WSET               | W5LT                       |
|   | $\bigvee$   |   |                   |                    |                            |
|   | $\wedge$  |   |                   |                    |                            |
| Δ | W5CT"   | WSET  | WSET WSET         | WSCT               |                            |
|   |   | $\times$  |                   |                    | $\times$                   |
|   |   |   |                   |                    |                            |
|   |   | W5CT W5C  | T WSET            | W5 [T] stiffcation | & Testing C.               |
|   | X   | X   | X                 | i ws               | CT Sh                      |
| 1 | W5 CT   | WSET  | WSET WSET         |                    | & Testing Group (Shenzhen) |
| - | A R. W. W. B. |   |                   |                    |                            |

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WS CT WS CT







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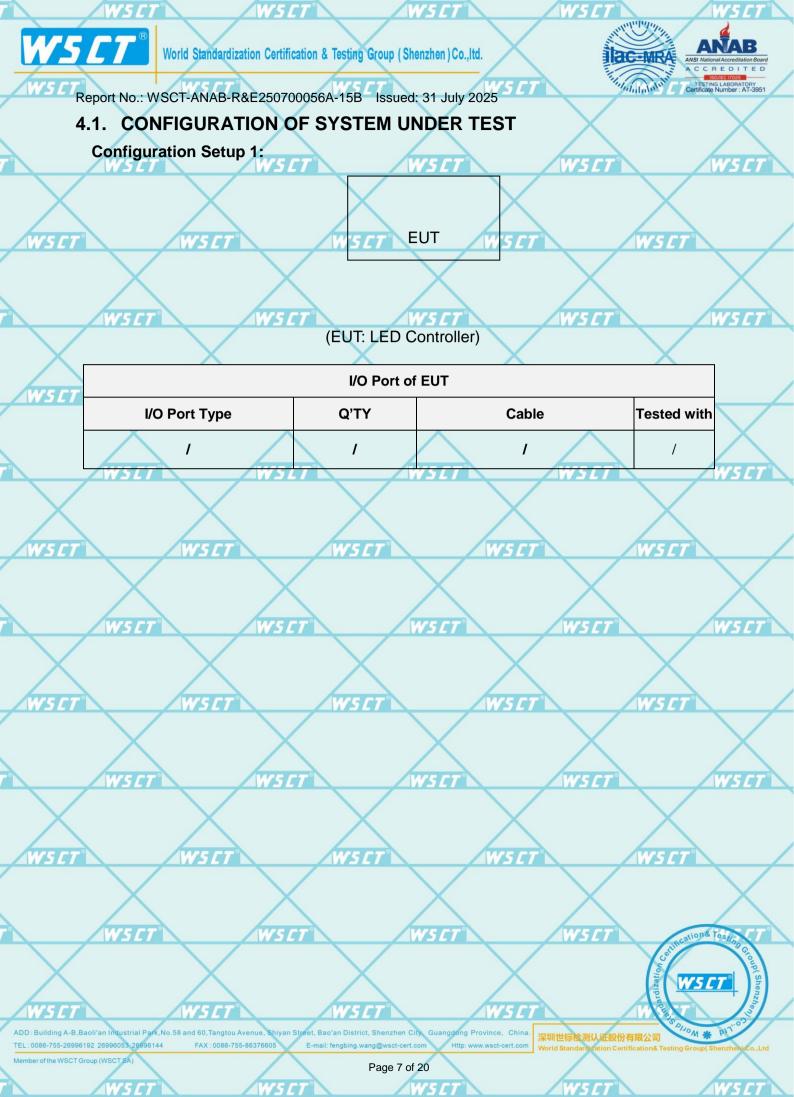
## 4. TEST METHODOLOGY

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| evaluated respectively.   | WSCT   | WSET                         | W5 CT  | _/     |
|---|--|------------------------------|--|--------|
|   |  |                              |  |        |
| Pretest Mode  | \  | escription                   |  |        |
| Mode 1  | SET WS   | Work                         | rr Wst   | 7      |
|   |  | $\sim$                       |  |        |
|   |  |                              |  |        |
| W5 ET W5 ET   | W5 ET  | W5 ET                        | W5 ET  | /      |
| X   | $\times$   |                              | $\langle \hspace{0.2cm} \hspace{0.2cm}$ |        |
| WSET  | SCT WSL  | 7 W5                         | CT" WS L   |        |
|   |  |                              |  |        |
|   |  |                              | X  |        |
| WS CT WS CT   | W5 CT  | W5 ET                        | W5 CT°   | _/     |
|   | $\vee$   |                              |  |        |
|   |  |                              |  | 7      |
| W5ET W  | VS CT WS L   | WS                           | LT WS L  |        |
| X   | X  | X                            | X  |        |
| WS CT WS CT   | WSET   | WSET                         | WSET   | ,      |
|   |  |                              |  | 7      |
|   | X  |                              | X  |        |
| WS CT W   | SCT WSD  | 7° W5                        | CT WS L  | 7      |
|   |  |                              |  |        |
|   |  |                              |  |        |
| W5ET W5ET   | W5 ET  | WSET                         | W5 CT  | /      |
| X '   | $\times$   |                              | $\langle \hspace{0.2cm} \hspace{0.2cm}$ |        |
| W5 CT W   | SET WSD  | T WS                         | Total Table  | -      |
|   |  |                              | Carifficationa lessing C.  |        |
| X   | X  | X                            | WS CT  | p(Sher |
| WS ET WS ET   | W5 CT  | WSET                         | CT Stitication & Testing of the Strategy of th   | nzhen  |
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# 4.2. DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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

| Item Equipmen            | t Mfr/Brand   | Model/Type No.           | Series No.      | Note        |
|--------------------------|---|--------------------------|-----------------|-------------|
| 1 DC source              |   | 66319D                   | V               | /           |
| (2) For detac<br>column. | ort equipment was autho<br>hable type I/O cable sho | uld be specified the lea | ngth in cm in F | Length』     |
| W5ET*                    | WSET  | WSET                     | WSET            |             |
| W.                       | SET WSE   | T WSET                   |                 | VSET*       |
| WSET                     | W5 ET   | WSET                     | WSET            |             |
| W                        | SET WSE   | WSET                     |                 | VSCT        |
| WSET                     | W5 CT   | WSET                     | WSET            |             |
| W                        | WSE WSE   | WSCI                     |                 | VSET        |
| WSCT                     | WSET  | WSET                     | WSIII           | Cathcations |

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# **MEASUREMENT INSTRUMENTS**

|            | Kind of Equipment  | Manufacturer | Type No.         | Serial No.  | Last<br>Calibrated | Calibrated until | ET    |
|------------|--------------------|--------------|------------------|-------------|--------------------|------------------|-------|
|            | Test software      |              | EZ-EMC           | CON-03A     |                    |                  |       |
|            | ESCI Test Receiver | R&S          | ESCI             | 100005      | 11/05/2024         | 11/04/2025       |       |
| 75 L       | T LISN W5L         | 7 AFJ W      | 5 <i>CT</i> LS16 | 16010222119 | 11/05/2024         | 11/04/2025       |       |
|            | LISN(EUT)          | Mestec       | AN3016           | 04/10040    | 11/05/2024         | 11/04/2025       |       |
|            | pre-amplifier      | CDSI         | PAP-1G18-38      | -           | 11/05/2024         | 11/04/2025       |       |
|            | System Controller  | WCT7°        | SC1005 [7        |             | 11/05/2024         | 11/04/2025       | ET    |
|            | Bi-log Antenna     | Chase        | CBL6111C         | 2576        | 11/05/2024         | 11/04/2025       |       |
| $\nearrow$ | Spectrum analyzer  | R&S          | FSU26            | 200409      | 11/05/2024         | 11/04/2025       |       |
| 75 L       | Horn Antenna 757   | SCHWARZBECK  | 5 _ 7 9120D      | M11417°     | 11/05/2024         | 11/04/2025       |       |
|            | Bi-log Antenna     | SCHWARZBECK  | VULB9168         | 01488       | 07/29/2025         | 07/28/2026       |       |
|            | Pre Amplifier      | Н.Р.         | HP8447E          | 2945A02715  | 11/05/2024         | 11/04/2025       |       |
|            | 9*6*6 Anechoic     | WSET         | WSET             | - /         | 11/05/2024         | 11/04/2025       | 5 C T |

| WSCT | WSET | WSET | WSCT | WSE   | 7    |
|------|------|------|------|---|------|
|      |      | 567  | WSET | WSET  | WSET |
| WSET | WSET | WSCT | WSET | $\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$ |      |
|      |      | 500  | WSET | WSET  | WSET |
| WSCT | WSET | WSCT | WSCT | $\rightarrow$                                   |      |
|      |      | X    | X    | X   | X    |





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## 6. Facilities and Accreditations

### 6.1. Facilities

All measurement facilities used to collect the measurement data are located at World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street,

## Bao'an District, Shenzhen City, Guangdong Province, China

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 32. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

#### 6.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025:2017.

USA ANAB - Certificate Number: AT-3951
China CNAS (Registration Number: L3732)

Canada ISED(CAB identifier:CN0178)

Copies of granted accreditation certificates are available for downloading from our web site,

http://www.wsct-cert.com

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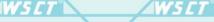
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## 6.3. Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

|      |     |                                |            | _           |
|------|-----|--------------------------------|------------|-------------|
| WSET | No. | Item                           | MU         |             |
|      | 1   | Conducted Emission Test        | ±3.2dB     | $\setminus$ |
|      | 2   | RF power, conducted            | ±0.16dB    |             |
|      | 3   | Spurious emissions, conducted  | ±0.21dB    | W5L         |
| X    | 4   | All emissions, radiated(<1GHz) | ±4.7dB     |             |
| WSET | 5   | All emissions, radiated(>1GHz) | ±4.7dB/5_7 |             |
|      | 6   | Temperature                    | ±0.5°C     | $\times$    |
|      | 7   | Humidity                       | ±2.0%      | WE          |
|      |     |                                |            |             |

| WAS | W5 L    | T W51                            | T WS | W.                               | SET°                    |
|-----|---------|----------------------------------|------|----------------------------------|-------------------------|
|     | WSCT    | WSET                             | WSET | WSCT                             | WSET                    |
| WS  | W5 L    | $\langle \hspace{0.1cm} \rangle$ |      | $\langle \hspace{0.1cm} \rangle$ | ET                      |
|     | WSCT    | WSET                             | WSET | WSET                             | WSET                    |
| WA  | CT WS I | $\langle \hspace{0.1cm} \rangle$ |      |                                  | ET                      |
|     | WSCT    | WSET                             | WSET | $\times$                         | X                       |
|     |         |                                  |      |                                  | attifications Testino C |

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## 7. EMC EMISSION TEST

## 7.1. CONDUCTED EMISSION MEASUREMENT

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#### 7.1.1. POWER LINE CONDUCTED EMISSION LIMITS

W5L

|          |                   |            |         |            | 207       | - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |   |
|----------|-------------------|------------|---------|------------|-----------|---|---|
| FREQUENC | EDECLIENCY (MH-7) | Class A    | (dBuV)  | Class B    | (dBuV)    | Standard                                | - |
|          | FREQUENCT (MINZ)  | Quasi-peak | Average | Quasi-peak | Average   | Statiuatu                               |   |
|          | 0.15 -0.5         | 79.00      | 66.00   | 66 - 56 *  | 56 - 46 * | FCC                                     | 1 |
|          | 0.50 -5.0         | 73.00      | 60.00   | 56.00      | 46.00     | FCC                                     |   |
|          | 5.0 -30.0         | 73.00      | 60.00   | 60.00      | 50.00     | FCC                                     |   |

Note:

(1) The tighter limit applies at the band edges.

WS CT

(2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

W5CT°

W5CT

WS CT

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4W5 CT

The following table is the setting of the receiver

| \ | Receiver Parameters | Setting  |
|---|---------------------|----------|
| r | Attenuation         | 10 dB    |
| L | Start Frequency     | 0.15 MHz |
|   | Stop Frequency      | 30 MHz   |
|   | IF Bandwidth        | 9 kHz    |

WSCT" WSCT" WSCT" WSCT

WSET WSET WSET WSET

WSCT WSCT WSCT WSCT

WSCT WSCT WSCT WSCT WSCT

WS CT WS CT WS CT

WSCT WSCT WSCT

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*CT*°

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#### **TEST PROCEDURE**

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

## **TEST SETUP** Shielding room V GRP 40cm 80cm coaxial cable(80cm) 80cm Power Cable Receive 90cm Power input-LISN H GRP

7.2. Test Results

NA(This product is powered by a DC source and does not require testing for this project.)

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## 7.3. RADIATED EMISSION MEASUREMENT

#### 7.3.1. Radiated Emission Limits

The field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

| - 3 |                                |                    |                      |
|-----|--------------------------------|--------------------|----------------------|
|     | Frequencies                    | Field Strength     | Measurement Distance |
|     | (MHz)                          | (micorvolts/meter) | (meters)             |
| 2   | 0.009~0.490                    | 2400/F(KHz)        | 300                  |
| V   | <b>5 6 7 0.490~1.705 8 5 6</b> | 24000/F(KHz)       | 30                   |
|     | 1.705~30.0                     | 30                 | 30                   |
|     | 30~88                          | 100                | X 3                  |
|     | 88~216                         | 150                | 3                    |
|     | 216~960                        | W5 C 200           | W5[7" 3 W5[          |
| 7   | Above 960                      | 500                | 3                    |

## LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENCY (MHz) | Limit (dBuV/m) (at 3M) |         |  |  |  |
|-----------------|------------------------|---------|--|--|--|
|                 | PEAK                   | AVERAGE |  |  |  |
| Above 1000      | 74                     | 54 W.F. |  |  |  |

#### Notes:

- (1) The limit for radiated test was performed according to FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

|   | Spectrum Parameter                    | Setting   |
|---|---------------------------------------|---|
|   | Attenuation                           | Auto  |
|   | Start Frequency                       | 1000 MHz  |
| L | Stop Frequency                        | 10th carrier harmonic                           |
|   | RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, 1 MHz / 1Hz for Average |

| 4 | Receiver Parameter     | Setting                          | 15 ET |
|---|------------------------|----------------------------------|-------|
|   | Attenuation            | Auto                             |       |
|   | Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP    |       |
|   | Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP    |       |
|   | Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |       |

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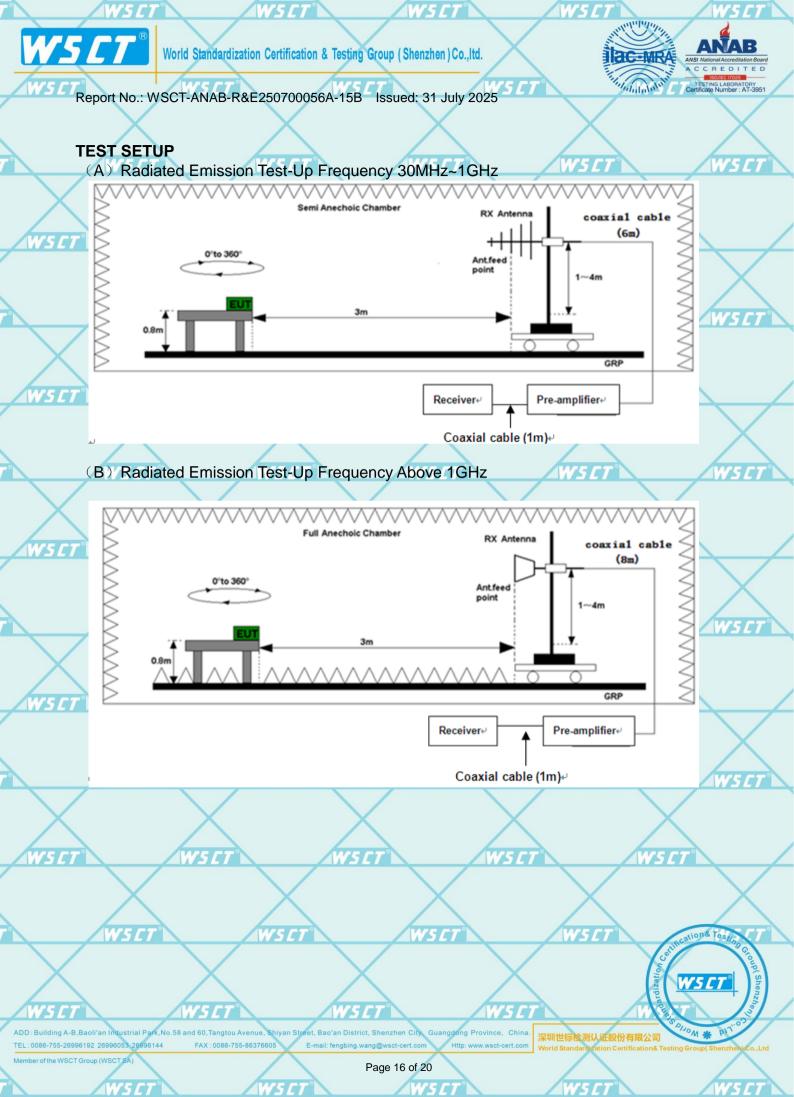
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#### TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

| WSET" | WSLT  | WSLT                  | WSET                           | WSLT   |        |
|-------|---|-----------------------|--------------------------------|--|--------|
| WS    | $\langle \hspace{0.1cm} \rangle$            | $\langle \ \ \rangle$ |                                | SET°   | WSET   |
| WSET  | WSLT  | WSET                  | WSET                           | WSET   |        |
| WS    | CT WS                                       | WS                    | ET W                           | SCT  | WSCT   |
| WSET  | WSET  | WSCT                  | WSET                           | WSET   |        |
| WS    | GT WS                                       |                       |                                | SCT  | WSCT   |
| WSET  | WSCT  | WSCT                  | WSET                           | WSET   |        |
| WS    |   |                       |                                | $\times$                                       | Test   |
| WSET  | WSET  | WSCT                  | WSET                           | 5 CT Control W.5                               |        |
|       | al Park,No.58 and 60,Tangtou Avenue, Shiyan |                       | angdong Province, China. 深圳世标检 | 测认证股份有限公司 ************************************ | ATT-03 |

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7.3.2. Test Results

 Temperature
 20 °C
 Relative Humidity
 48%

 Pressure
 1010 hPa / 5 € 7
 Test Mode
 Mode 1(the worst case)

# Please refer to following diagram for individual

Below 1GHz

Horizontal: W5 ET W5 CT dBuV/m 87.0 77 67 FCC Part15 RE-Class B\_30-1000MHz 57 Margin -6 dB 47 37 NS C 27 17 7 -3 -13 -23 V5 CI -33 30.000 1000.000 (MHz) 60.00 300.00

| $\triangle$ | No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) |       | Margin<br>(dB) | Detector |
|-------------|-----|--------------------|-------------------|------------------|-------------------|-------|----------------|----------|
| 4W5CT       | 1   | 48.9930            | 37.69             | -18.94           | 18.75             | 40.00 | -21.25         | QP       |
|             | 2 * | 82.4310            | 55.23             | -24.05           | 31.18             | 40.00 | -8.82          | QP       |
|             | 3   | 108.0297           | 54.41             | -22.89           | 31.52             | 43.50 | -11.98         | QP       |
|             | 4   | 128.9015           | 51.36             | -20.62           | 30.74             | 43.50 | -12.76         | QP       |
|             | 5   | 203.9693           | 58.18             | -23.99           | 34.19             | 43.50 | -9.31          | QP       |
| X           | 6   | 296.9636           | 43.42             | -20.35           | 23.07             | 46.00 | -22.93         | QP       |

WSCT WSCT WSCT WSCT WSCT

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WSET WSET WSET WSET

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W5 C1

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CT WSD

WSCT







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West

| No. | Frequency<br>(MHz) | Reading (dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|----------------|------------------|-------------------|-------------------|----------------|----------|
| 1 * | 35.8904            | 55.90          | -19.45           | 36.45             | 40.00             | -3.55          | QP       |
| 2   | 41.1320            | 51.13          | -18.89           | 32.24             | 40.00             | -7.76          | QP       |
| 3   | 47.9940            | 50.04          | -19.02           | 31.02             | 40.00             | -8.98          | QP       |
| 4!  | 75.3472            | 59.15          | -23.55           | 35.60             | 40.00             | -4.40          | QP       |
| 5   | 108.0297           | 53.32          | -22.89           | 30.43             | 43.50             | -13.07         | QP       |
| 6   | 154.0083           | 42.61          | -19.55           | 23.06             | 43.50             | -20.44         | QP       |

Note1:

W5 CI

Freq. = Emission frequency in MHz

Reading level  $(dB\mu V)$  = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

Measurement ( $dB\mu V$ ) = Reading level ( $dB\mu V$ ) + Corr. Factor (dB)

Limit ( $dB\mu V$ ) = Limit stated in standard

Margin (dB) = Measurement (dB $\mu$ V) – Limits (dB $\mu$ V)

SCT WSCT

WSCT

AWS CT

WSCT

*4W5CT* 

**WSCT** 

IWS CT

WELT

WELT

WELT

WSCT |

WSCT

**WSCT** 

WELT

aws ct

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SET WSE

WSET

VSET WSE







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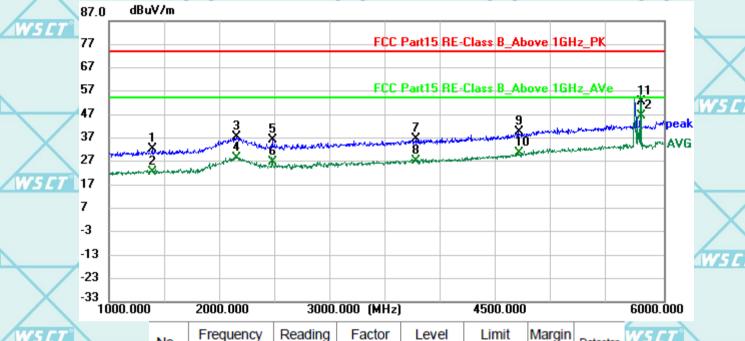
## **TEST RESULTS**

Above 1GHz(1~26GHz) :( Mode 1—worst case)

WSET

W5CT

Note: The spurious above 6G is noise only, do not show on the report. Horizontal:



| WSET   | No.  | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | W5 Ci |
|--------|------|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|-------|
| X      | 1    | 1391.250           | 40.01             | -7.45            | 32.56             | 74.00             | -41.44         | peak     |       |
|        | 2    | 1391.250           | 29.89             | -7.45            | 22.44             | 54.00             | -31.56         | AVG      |       |
| W5CT°  | 3    | 2156.875           | 38.63             | -1.25            | 37.38             | 74.00             | -36.62         | peak     |       |
|        | 4    | 2156.875           | 29.79             | -1.25            | 28.54             | 54.00             | -25.46         | AVG      |       |
|        | 5    | 2479.375           | 39.93             | -3.71            | 36.22             | 74.00             | -37.78         | peak     |       |
| WSET   | 6    | 2479.375           | 30.60             | -3.71            | 26.89             | 54.00             | -27.11         | AVG      | WSCI  |
|        | 7    | 3769.375           | 36.66             | 0.00             | 36.66             | 74.00             | -37.34         | peak     | 1219  |
| $\sim$ | 8    | 3769.375           | 27.05             | 0.00             | 27.05             | 54.00             | -26.95         | AVG      |       |
|        | 9    | 4691.250           | 35.71             | 3.84             | 39.55             | 74.00             | -34.45         | peak     |       |
| W5 CT  | 10   | 4691.250           | 26.61             | 3.84             | 30.45             | 54.00             | -23.55         | AVG      |       |
| \/     | 11   | 5798.125           | 44.02             | 8.45             | 52.47             | 74.00             | -21.53         | peak     |       |
| X      | 12 * | 5798.125           | 37.92             | 8.45             | 46.37             | 54.00             | -7.63          | AVG      | X     |
|        |      |                    |                   |                  |                   |                   |                |          |       |

WSCT WSCT WSCT WSCT

WSET WSET

WS ET WS ET

South WS CT

W5ET"

WELT

AWS CT

AWS CT

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Vertical:

87.0 dBuV/m

77 FCC Part15 RE-Class B\_Above 1GHz\_PK

67 FCC Part15 RE-Class B\_Above 1GHz\_AVe 11

47 37 1 3 5 7

WSET

W5CT

W5 C1-23 -33 1000.000 2000.000 3000.000 (MHz) 4500.000 6000.000

| WSET  | No.  | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | _ |
|-------|------|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|---|
|       | 1    | 1391.250           | 40.01             | -7.45            | 32.56             | 74.00             | -41.44         | peak     |   |
|       | 2    | 1391.250           | 29.89             | -7.45            | 22.44             | 54.00             | -31.56         | AVG      |   |
| W5CT° | 3    | 2156.875           | 38.63             | -1.25            | 37.38             | 74.00             | -36.62         | peak     | 4 |
| 1614  | 4    | 2156.875           | 29.79             | -1.25            | 28.54             | 54.00             | -25.46         | AVG      | 1 |
| X     | 5    | 2479.375           | 39.93             | -3.71            | 36.22             | 74.00             | -37.78         | peak     |   |
|       | 6    | 2479.375           | 30.60             | -3.71            | 26.89             | 54.00             | -27.11         | AVG      |   |
| WSET  | 7    | 3769.375           | 36.66             | 0.00             | 36.66             | 74.00             | -37.34         | peak     |   |
|       | 8    | 3769.375           | 27.05             | 0.00             | 27.05             | 54.00             | -26.95         | AVG      |   |
| X     | 9    | 4691.250           | 35.71             | 3.84             | 39.55             | 74.00             | -34.45         | peak     |   |
|       | 10   | 4691.250           | 26.61             | 3.84             | 30.45             | 54.00             | -23.55         | AVG      | 4 |
| WSET  | 11   | 5798.125           | 44.02             | 8.45             | 52.47             | 74.00             | -21.53         | peak     | L |
|       | 12 * | 5798.125           | 37.92             | 8.45             | 46.37             | 54.00             | -7.63          | AVG      |   |

Remark:

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Freq. = Emission frequency in MHz

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

Over= Emission Level - Limit.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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

WSET WSET

W5CT

W5 CT

WSLT Shear

W5 CT

WELT

WELT

**WSCT** 

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ET

VSCT WSCI