

# TEST REPORT

Applicant Name & Address: GUANGZHOU HOBART LIGHTS LIMITED

No. 1 Chuangjia Road, Baiyun District, Guangzhou City, Guangdong Province, China, 510080

Manufacturer Name & Address: GUANGZHOU HOBART LIGHTS LIMITED

No. 1 Chuangjia Road, Baiyun District, Guangzhou City, Guangdong Province, China, 510080

Product Name: LED Scene Light

Model No.: SL1-3

Variants: SL1-1, SL1-2, SL1-4, SL1-5

Trade mark: Hobart Lights

Electrical Rating: DC 12V

Date Received: October 20, 2022

Date Test Conducted: October 20, 2022~ October 30, 2022

Report No.: SQT2211001

Prepared by: Guangzhou Shuntai Quality Technical Service Co., Ltd.

Test Standard(s): **CISPR25 Edition 4.0 2016**

Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers

Test Result: Pass

**Conclusion: In the configuration tested, the EUT complied with the standards specified above.**

\*\*\*\*\*

Prepared and Checked By:



Mark Qin  
Project Engineer

Approved by:



Signature

10 November, 2022

Issued Date

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**1. Description of version**

| Report No. | Version No. | Issue Date        | Description | Approved |
|------------|-------------|-------------------|-------------|----------|
| SQT2211001 | V0          | 10 November, 2022 | Original    | Valid    |

## 2. Test summary

| Emission                                                                                                                                                                                                                                                                                                                                                      |                |                                                                                  |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------|----------------|
| Test item                                                                                                                                                                                                                                                                                                                                                     | Test Method    | Class / Accepted                                                                 | Results        |
| Conducted emissions from components/modules – Voltage method                                                                                                                                                                                                                                                                                                  | CISPR 25: 2016 | Test frequency:<br>0.15MHz-108MHz<br>Function status: meet the limit of Class 4  | <b>Correct</b> |
| Radiated emissions from components/modules – ALSE method                                                                                                                                                                                                                                                                                                      | CISPR 25: 2016 | Test frequency:<br>0.15MHz-2500MHz<br>Function status: meet the limit of Class 4 | <b>Correct</b> |
| Remark:<br>The symbol “N/A” in above table means <u>Not Applicable</u> .<br>When determining the test results, measurement uncertainty of tests has been considered.<br>This test covers all possible operating modes of the device, only the worst data are list in report. The worst data is the nearest standard limit which were recorded in this report. |                |                                                                                  |                |

## 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 %

| Test item             | Frequency           | Expanded Uncertainty ( $U_{Lab}$ ) |
|-----------------------|---------------------|------------------------------------|
| Conducted disturbance | 150 kHz to 108 MHz  | $\pm 3.2$ dB                       |
| Radiated disturbance  | 150 kHz to 2500 MHz | $\pm 4.6$ dB                       |

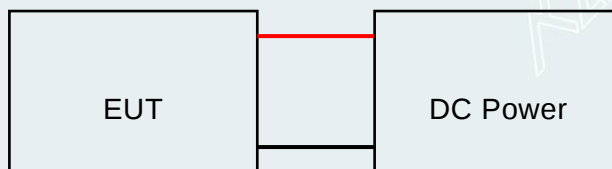
## 4. LABORATORY MEASUREMENTS

### 4.1. Configuration Information

|                                                                                               |                                                                                                                                                 |                                                                |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Product name                                                                                  | LED Scene Light                                                                                                                                 |                                                                |
| Category                                                                                      | Spare parts                                                                                                                                     |                                                                |
| Model No.                                                                                     | SL1-3                                                                                                                                           |                                                                |
| Variants                                                                                      | SL1-1, SL1-2, SL1-4, SL1-5                                                                                                                      |                                                                |
|                                                                                               | The above models have the same circuit design, wiring diagram and components except for different model names and connectors.                   |                                                                |
| Software version/<br>Hardware version                                                         | N/A                                                                                                                                             |                                                                |
| Support Equipment                                                                             | None                                                                                                                                            |                                                                |
| Quantity of sample                                                                            | 1pcs                                                                                                                                            |                                                                |
| Sample No.                                                                                    | 1#                                                                                                                                              | Q2209083-003                                                   |
| Operating Mode                                                                                | MO# 1                                                                                                                                           | The warning light and reversing light are on at the same time. |
| Test Voltage                                                                                  | DC12V                                                                                                                                           |                                                                |
| Tested Setup                                                                                  | Remotely grounded/ <del>Locally grounded</del>                                                                                                  |                                                                |
| Electronic oscillator with<br>frequency greater than 9 kHz                                    | YES                                                                                                                                             |                                                                |
| Noise floor of the measurement system shall be at least 6 dB lower than the applicable limits | YES                                                                                                                                             |                                                                |
| Test Laboratory                                                                               | Guangzhou Shuntai Quality Technology Service Co., Ltd.<br>Room 206A, 2F, 4# Plant, No.63 Punan Road, Huangpu District, Guangzhou, China, 510760 |                                                                |

**Note:** The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

### 4.2. Block diagram of EUT configuration



### 4.3. Explanation of test method deviation

The test method deviates from the standard method: **yes/no**

If yes, please explain in details: ---

## 5. TEST ITEM AND RESULTS

### 5.1. Conducted emissions from components/modules – Voltage method

#### 5.1.1 Test Limits

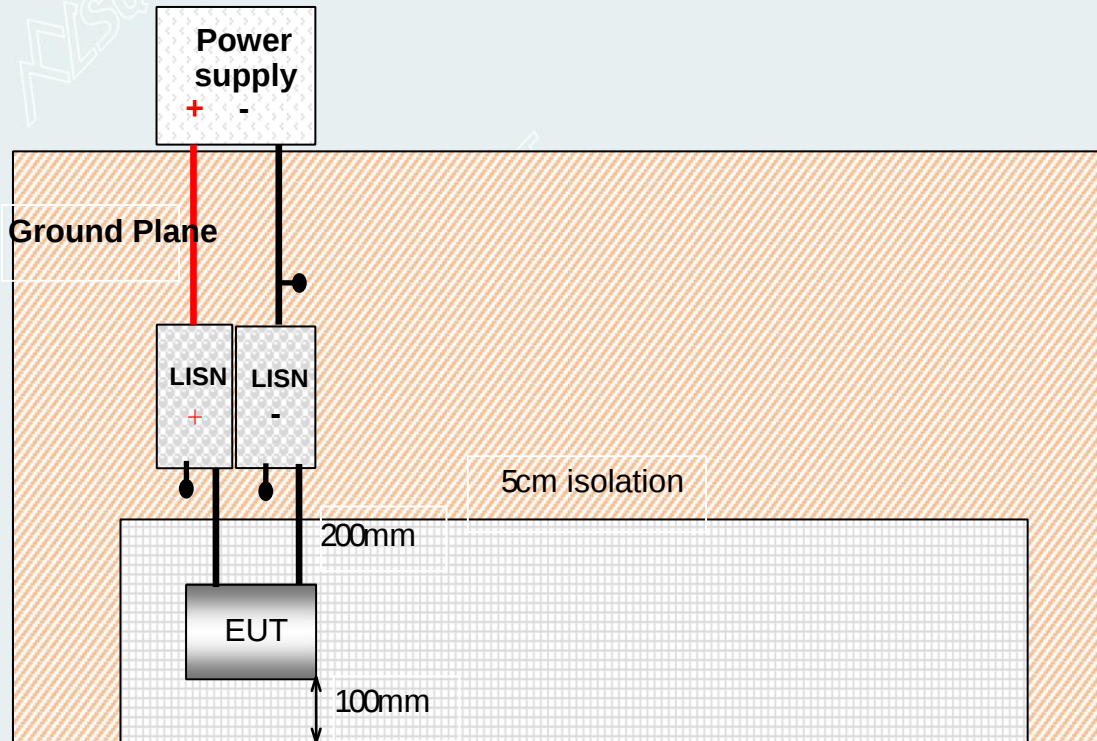
| Service / Band              | Frequency (MHz) | Class 4 Levels in dB(μV) |            |         | RBW    |
|-----------------------------|-----------------|--------------------------|------------|---------|--------|
|                             |                 | Peak                     | Quasi-peak | Average |        |
| Analogue broadcast services |                 |                          |            |         |        |
| LW                          | 0,15 to 0,30    | 80                       | 67         | 60      | 9kHz   |
| MW                          | 0,53 to 1,8     | 62                       | 49         | 42      |        |
| SW                          | 5,9 to 6,2      | 59                       | 46         | 39      |        |
| FM                          | 76 to 108       | 44                       | 31         | 24      | 120kHz |
| TV Band I                   | 41 to 88        | 40                       | -          | 30      |        |
| Mobile services             |                 |                          |            |         |        |
| CB                          | 26 to 28        | 50                       | 37         | 30      | 9kHz   |
| VHF                         | 30 to 54        | 50                       | 37         | 30      | 120kHz |
| VHF                         | 68 to 87        | 44                       | 31         | 24      |        |

#### 5.1.2 Used Test Equipment

| Equipment     | Equipment S/N   | Manufacturer | Model No.     | Calibration Due |
|---------------|-----------------|--------------|---------------|-----------------|
| ALSE ROOM     | GZST/YQ-EMC-01  | C.R.T        | SQT-ALSE-1#   | 2025.07.21      |
| EMI receiver  | GZST/YQ-EMC-26  | R&S          | ESCI7         | 2023.07.06      |
| L.I.S.N.      | GZST/YQ-EMC-130 | SCHWARZBECK  | NNHV 8124-200 | 2023.08.30      |
| L.I.S.N.      | GZST/YQ-EMC-131 | SCHWARZBECK  | NNHV 8124-200 | 2023.08.30      |
| Test software | GZST/SOFT-10    | TS+          | 4.0.0.0       | /               |

### 5.1.3 Test Setup and Procedure

- 1) Set the EUT in accordance with the standard CISPR 25:2016, to connect the power verification sample function;
- 2) The background noise is scanned, and confirmed to be at least 6dB below the limit.
- 3) Turn on the power supply and start the test. The positive and negative poles of the sample are measured by the L.I.S.N. When one port is measured in the artificial power network, the other port is connected to the 50ohm matching load.



### 5.1.4 Test Results

Results: Pass

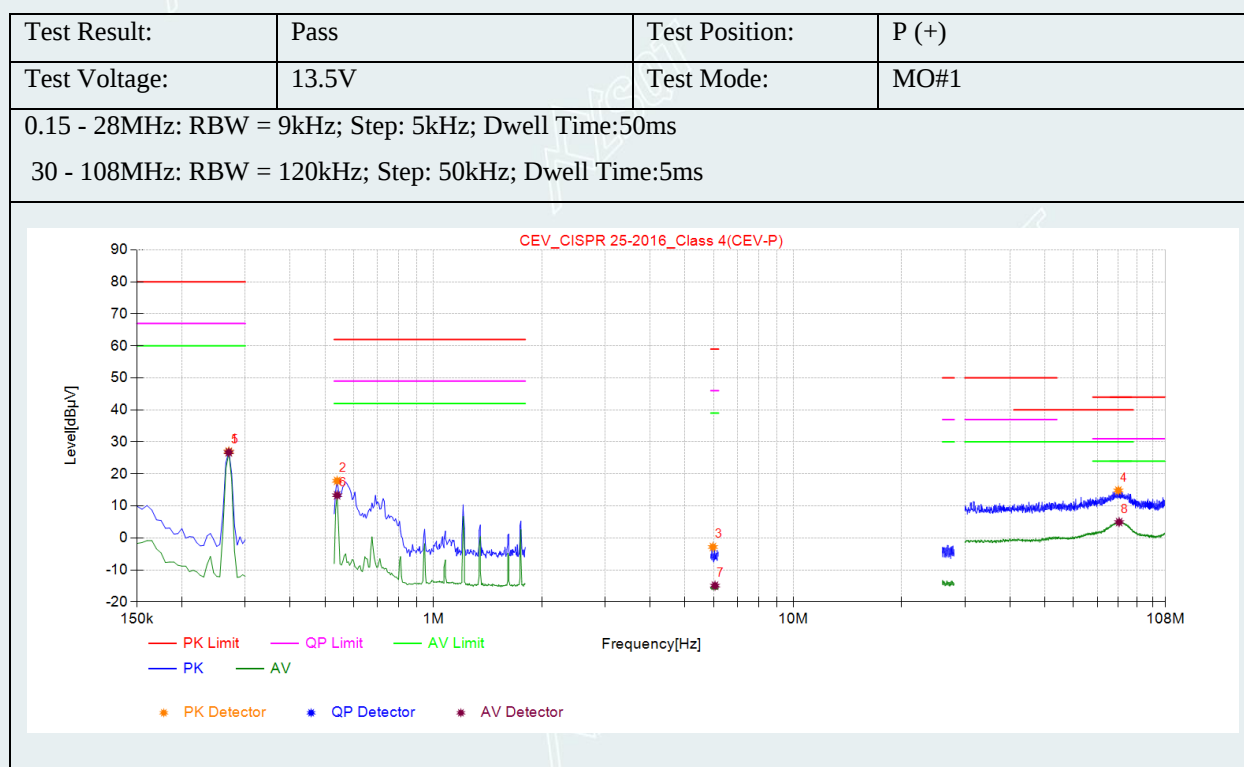
Test standards: CISPR25:2016

Test Level: Class 4

Test Date: 25/10/2022

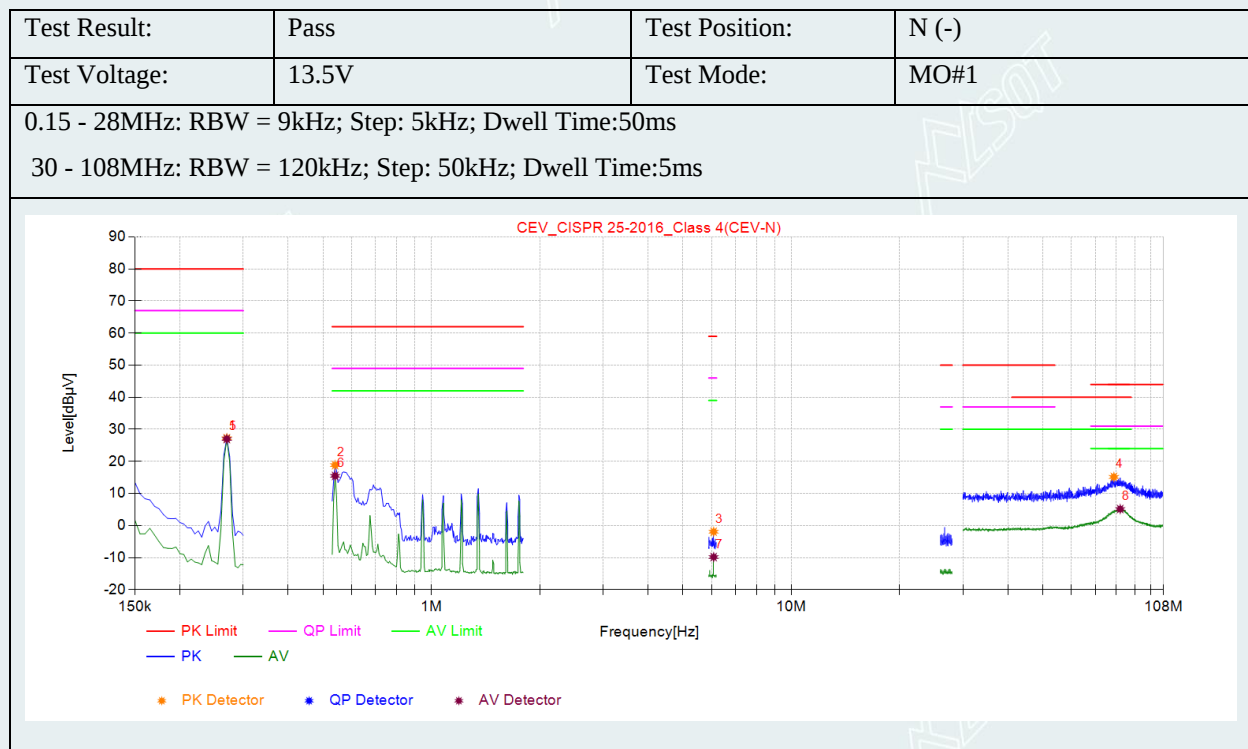
Temperature and humidity: 26.2°C/40%RH

Data: P+



| No. | Frequency (MHz) | Reading Level(dBuV) | Factor (dB) | Measure-ment(dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|---------------------|-------------|--------------------|--------------|-------------|----------|
| 1   | 0.2700          | 26.82               | 0.19        | 27.01              | 80.00        | 52.99       | PK       |
| 2   | 0.5400          | 17.71               | 0.13        | 17.84              | 62.00        | 44.16       | PK       |
| 3   | 5.9800          | -3.05               | 0.21        | -2.84              | 59.00        | 61.84       | PK       |
| 4   | 80.0500         | 13.75               | 1.07        | 14.82              | 40.00        | 25.18       | PK       |
| 5   | 0.2700          | 26.54               | 0.19        | 26.73              | 60.00        | 33.27       | AV       |
| 6   | 0.5400          | 13.19               | 0.13        | 13.32              | 42.00        | 28.68       | AV       |
| 7   | 6.0600          | -15.12              | 0.21        | -14.91             | 39.00        | 53.91       | AV       |
| 8   | 80.4500         | 3.87                | 1.07        | 4.94               | 24.00        | 19.06       | AV       |

Data: N-



| No. | Frequency (MHz) | Reading Level(dBuV) | Factor (dB) | Measure-ment(dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|---------------------|-------------|--------------------|--------------|-------------|----------|
| 1   | 0.2700          | 27.04               | 0.18        | 27.22              | 80.00        | 52.78       | PK       |
| 2   | 0.5400          | 18.71               | 0.13        | 18.84              | 62.00        | 43.16       | PK       |
| 3   | 6.0850          | -2.19               | 0.25        | -1.94              | 59.00        | 60.94       | PK       |
| 4   | 78.8000         | 14.00               | 1.15        | 15.15              | 40.00        | 24.85       | PK       |
| 5   | 0.2700          | 26.80               | 0.18        | 26.98              | 60.00        | 33.02       | AV       |
| 6   | 0.5400          | 15.35               | 0.13        | 15.48              | 42.00        | 26.52       | AV       |
| 7   | 6.0850          | -10.09              | 0.25        | -9.84              | 39.00        | 48.84       | AV       |
| 8   | 82.0500         | 3.98                | 1.16        | 5.14               | 24.00        | 18.86       | AV       |

### 5.1.5 Test Photos

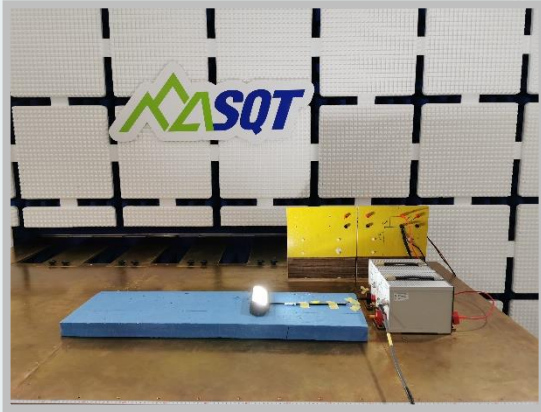


Fig.1-1 P+

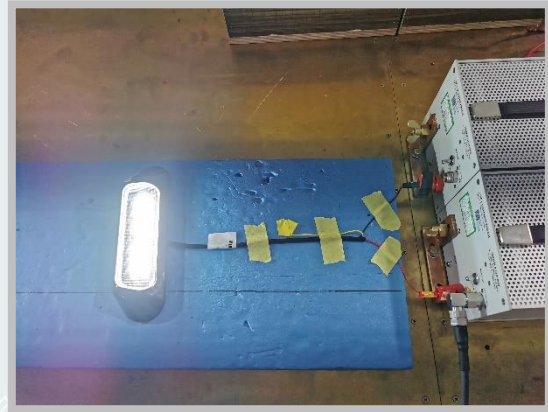


Fig.1-2 Particulars

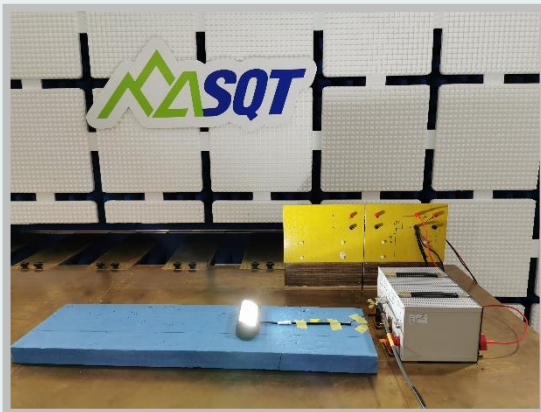


Fig.1-3 N-

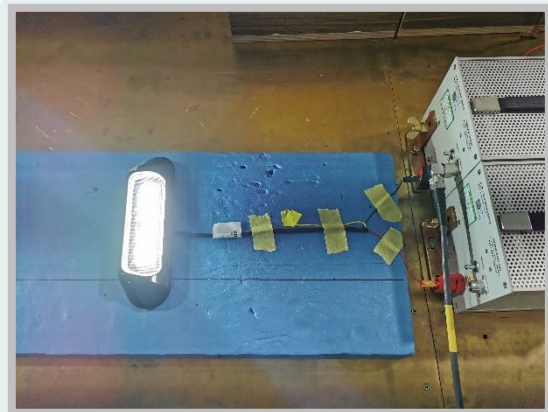


Fig.1-4 Particulars

## 5.2 Radiated emissions from components/modules – ALSE method

### 5.2.1 Test Limits

| Service / Band   | Frequency<br>(MHz) | Class 4 Levels in dB(μV/m) |            |         | RBW     |
|------------------|--------------------|----------------------------|------------|---------|---------|
|                  |                    | Peak                       | Quasi-peak | Average |         |
| Broadcast        |                    |                            |            |         |         |
| LW               | 0,15 to 0,30       | 56                         | 43         | 36      | 9 kHz   |
| MW               | 0,53 to 1,8        | 48                         | 35         | 28      |         |
| SW               | 5,9 to 6,2         | 46                         | 33         | 26      |         |
| FM               | 76 to 108          | 44                         | 31         | 24      | 120 kHz |
| TV Band I        | 41 to 88           | 34                         | -          | 24      |         |
| TV Band III      | 174 to 230         | 38                         | -          | 28      |         |
| DAB III          | 171 to 245         | 32                         | -          | 22      |         |
| TV Band IV       | 468 to 944         | 47                         | -          | 37      |         |
| DTTV             | 470 to 770         | 51                         | -          | 41      |         |
| DAB L Band       | 1447 t0 1494       | 34                         | -          | 24      |         |
| SDARS            | 2320 to 2345       | 40                         | -          | 30      |         |
| Mobile services  |                    |                            |            |         |         |
| CB               | 26 to 28           | 46                         | 33         | 26      | 9 kHz   |
| VHF              | 30 to 54           | 46                         | 33         | 26      | 120kHz  |
| VHF              | 68 to 87           | 41                         | 28         | 21      |         |
| VHF              | 142 to 175         | 41                         | 28         | 21      |         |
| Analogue UHF     | 380 to 512         | 44                         | 31         | 24      |         |
| RKE              | 300 to 330         | 38                         | -          | 24      |         |
| RKE              | 420 to 450         | 38                         | -          | 24      |         |
| Analogue UHF     | 820 to 960         | 50                         | 37         | 30      |         |
| GSM 800          | 860 to 895         | 50                         | -          | 30      |         |
| WGSM/GSM 800     | 925 to 960         | 50                         | -          | 30      |         |
| GPS L1civil      | 1567 to 1583       | -                          | -          | 16      | 9 kHz   |
| GLONASS L1       | 1591 to 1616       | -                          | -          | 16      |         |
| GSM 1800(PCN)    | 1803 to 1882       | 50                         | -          | 30      | 120kHz  |
| GSM 1900         | 1850 to 1990       | 50                         | -          | 30      |         |
| 3G/IMT 2000      | 1900 to 1920       | 50                         | -          | 30      |         |
| 3G/IMT 2000      | 2010 to 2025       | 50                         | -          | 30      |         |
| 3G/IMT 2000      | 2180 to 2172       | 50                         | -          | 30      |         |
| Bluetooth/802.11 | 2400 to 2500       | 50                         | -          | 30      |         |

### 5.2.2 Used Test Equipment

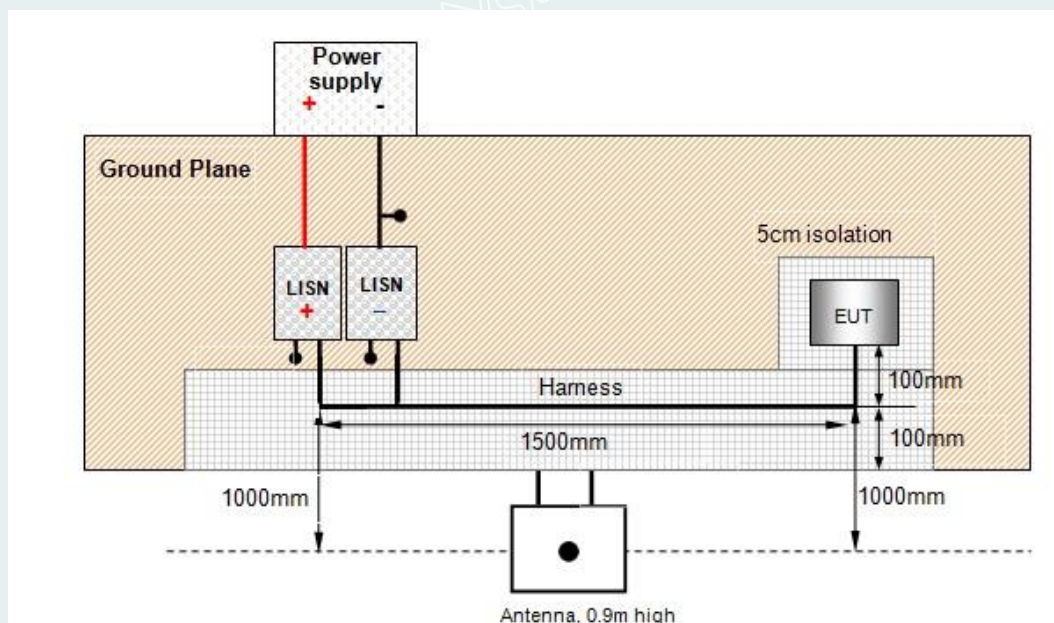
| Equipment            | Equipment S/N   | Manufacturer | Model No.     | Calibration Due |
|----------------------|-----------------|--------------|---------------|-----------------|
| ALSE ROOM            | GZST/YQ-EMC-01  | C.R.T        | SQT-ALSE-1#   | 2025.07.21      |
| EMI receiver         | GZST/YQ-EMC-26  | R&S          | ESCI7         | 2023.07.06      |
| L.I.S.N.             | GZST/YQ-EMC-130 | SCHWARZBECK  | NNHV 8124-200 | 2023.08.30      |
| L.I.S.N.             | GZST/YQ-EMC-131 | SCHWARZBECK  | NNHV 8124-200 | 2023.08.30      |
| Monopole antenna     | GZST/YQ-EMC-69  | ETS LANDGREN | ETS 3301C     | 2023.08.30      |
| Biconical antenna    | GZST/YQ-EMC-70  | SCHWARZBECK  | VHBB9124      | 2023.09.12      |
| Log-periodic antenna | GZST/YQ-EMC-71  | SCHWARZBECK  | VULP9118B     | 2023.09.18      |
| Horn antenna         | GZST/YQ-EMC-72  | ETS LANDGREN | ETS3117       | 2023.09.04      |
| Preamplifier         | GZST/YQ-EMC-115 | Lunar EM     | LNA10M1G-30   | 2023.04.21      |
| Test software        | GZST/SOFT-10    | TS+          | 4.0.0.0       | /               |

### 5.2.3 Test Setup and Procedure

- 1) Set the EUT in accordance with the standard CISPR 25:2016, to connect the power verification sample function .
- 2) The background noise is scanned, and confirmed to be at least 6dB below the limit.
- 3) Turn on the power supply and start the test. The test frequency is less than 30MHz, with a single antenna, vertical polarization direction; the test frequency is greater than or equal to 30MHz, test the horizontal and vertical polarization direction respectively with double cone antenna, log periodic antenna and horn antenna.

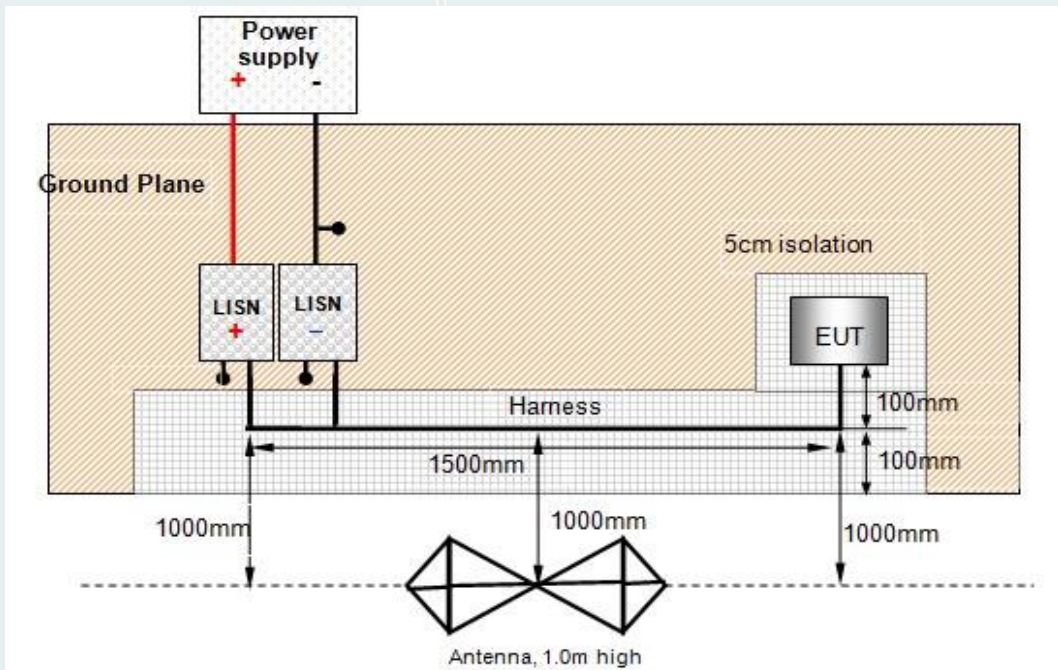
In the test frequency is less than 1000MHz, the antenna is measured sample harness center distance 1m; test frequency is greater than or equal to 1000MHz, the antenna is measured sample distance, 1m wire harness.

- 1) 0.15-30MHz



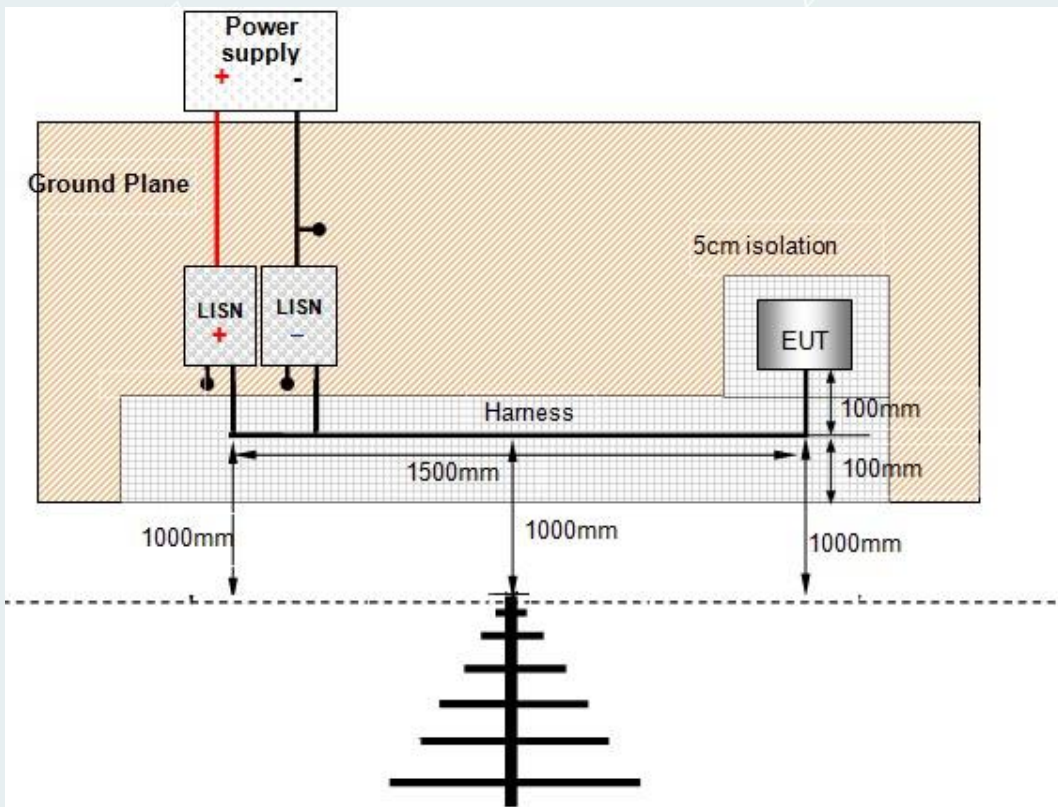
Test setup- Monopole antenna

2) 30-300MHz



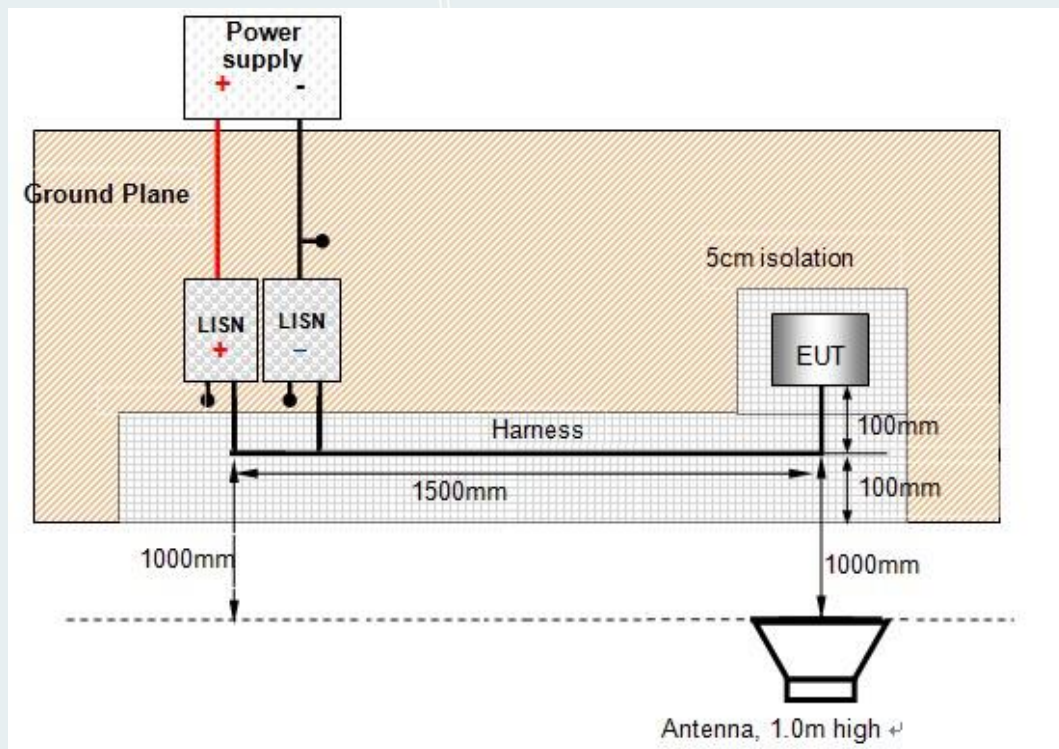
### Test setup-Biconical antenna

3) 300-1000MHz



### Test setup- Log-periodic antenna

## 4) Above 1000MHz



Test setup- Horn antenna

## 5.2.4 Test Results

Results: Pass

Test standards: CISPR25:2016

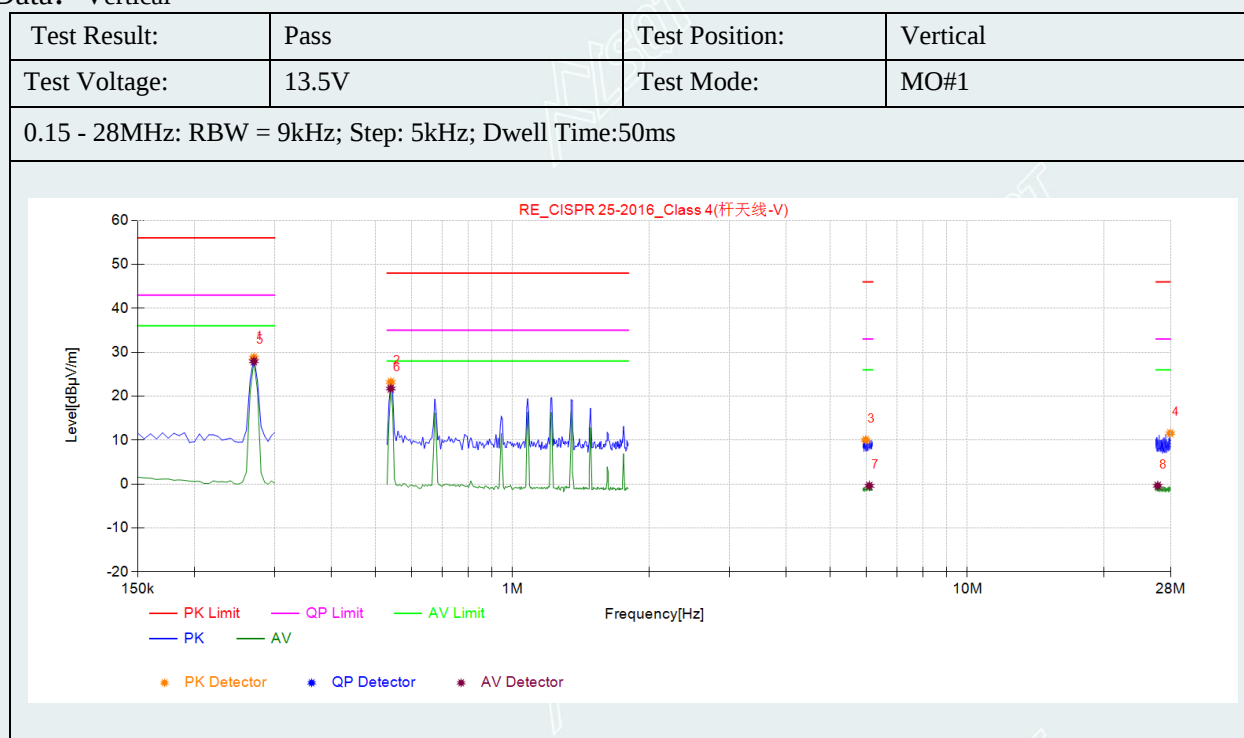
Test Level: Class 4

Test Date: 25/10/2022

Temperature and humidity: 26.2°C/40%RH

### Band 0.15 - 30MHz

Data: Vertical



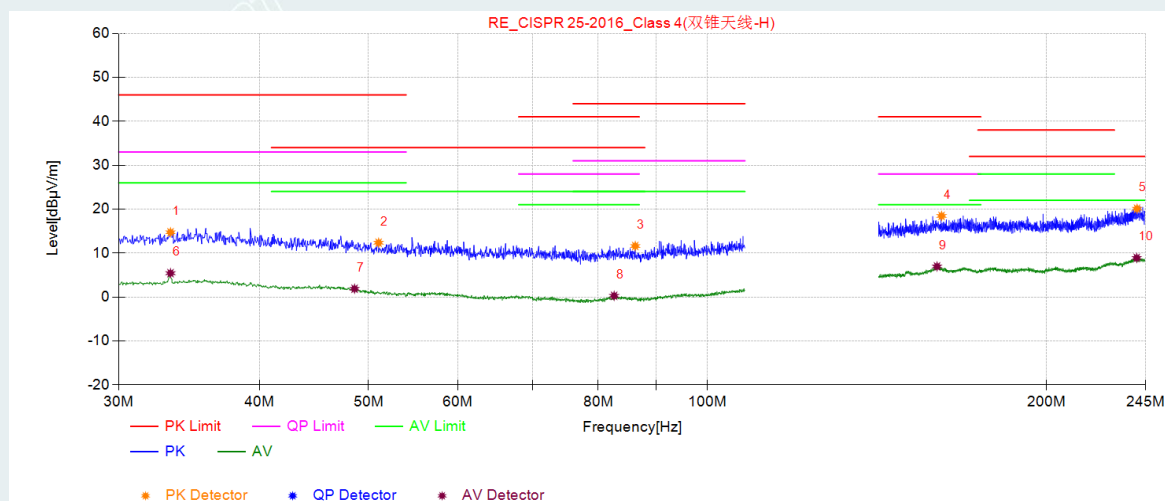
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 0.2700          | 31.05          | -2.25         | 28.80          | 56.00          | 27.20       | PK   |
| 2   | 0.5400          | 25.49          | -2.28         | 23.21          | 48.00          | 24.79       | PK   |
| 3   | 5.9800          | 12.22          | -2.19         | 10.03          | 46.00          | 35.97       | PK   |
| 4   | 27.9500         | 11.54          | 0.02          | 11.56          | 46.00          | 34.44       | PK   |
| 5   | 0.2700          | 30.19          | -2.25         | 27.94          | 36.00          | 8.06        | AV   |
| 6   | 0.5400          | 24.00          | -2.28         | 21.72          | 28.00          | 6.28        | AV   |
| 7   | 6.0900          | 1.78           | -2.19         | -0.41          | 26.00          | 26.41       | AV   |
| 8   | 26.2300         | -0.36          | -0.04         | -0.40          | 26.00          | 26.40       | AV   |

**Band 30 - 300MHz**

Data: Horizontal

|               |       |                |            |
|---------------|-------|----------------|------------|
| Test Result:  | Pass  | Test Position: | Horizontal |
| Test Voltage: | 13.5V | Test Mode:     | MO#1       |

30 - 245MHz; RBW = 120kHz; Step: 50kHz; Dwell Time:5ms

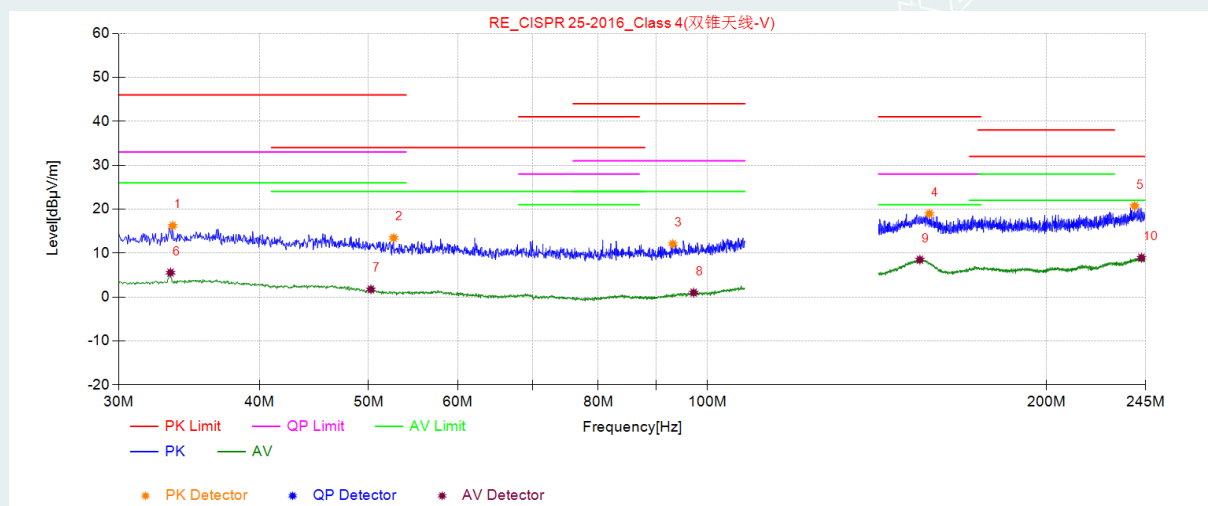


| No. | Frequency (MHz) | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 33.3500         | 1.36           | 13.37         | 14.73          | 46.00          | 31.27       | PK   |
| 2   | 51.0500         | 0.98           | 11.38         | 12.36          | 34.00          | 21.64       | PK   |
| 3   | 86.3000         | 1.84           | 9.77          | 11.61          | 34.00          | 22.39       | PK   |
| 4   | 161.5000        | 3.66           | 14.80         | 18.46          | 41.00          | 22.54       | PK   |
| 5   | 240.9000        | 2.23           | 17.87         | 20.10          | 32.00          | 11.90       | PK   |
| 6   | 33.3500         | -7.94          | 13.37         | 5.43           | 26.00          | 20.57       | AV   |
| 7   | 48.6000         | -9.82          | 11.70         | 1.88           | 24.00          | 22.12       | AV   |
| 8   | 82.6500         | -9.31          | 9.59          | 0.28           | 21.00          | 20.72       | AV   |
| 9   | 160.0000        | -7.81          | 14.77         | 6.96           | 21.00          | 14.04       | AV   |
| 10  | 240.7500        | -8.96          | 17.86         | 8.90           | 22.00          | 13.10       | AV   |

## Data: Vertical

|               |       |                |          |
|---------------|-------|----------------|----------|
| Test Result:  | Pass  | Test Position: | Vertical |
| Test Voltage: | 13.5V | Test Mode:     | MO#1     |

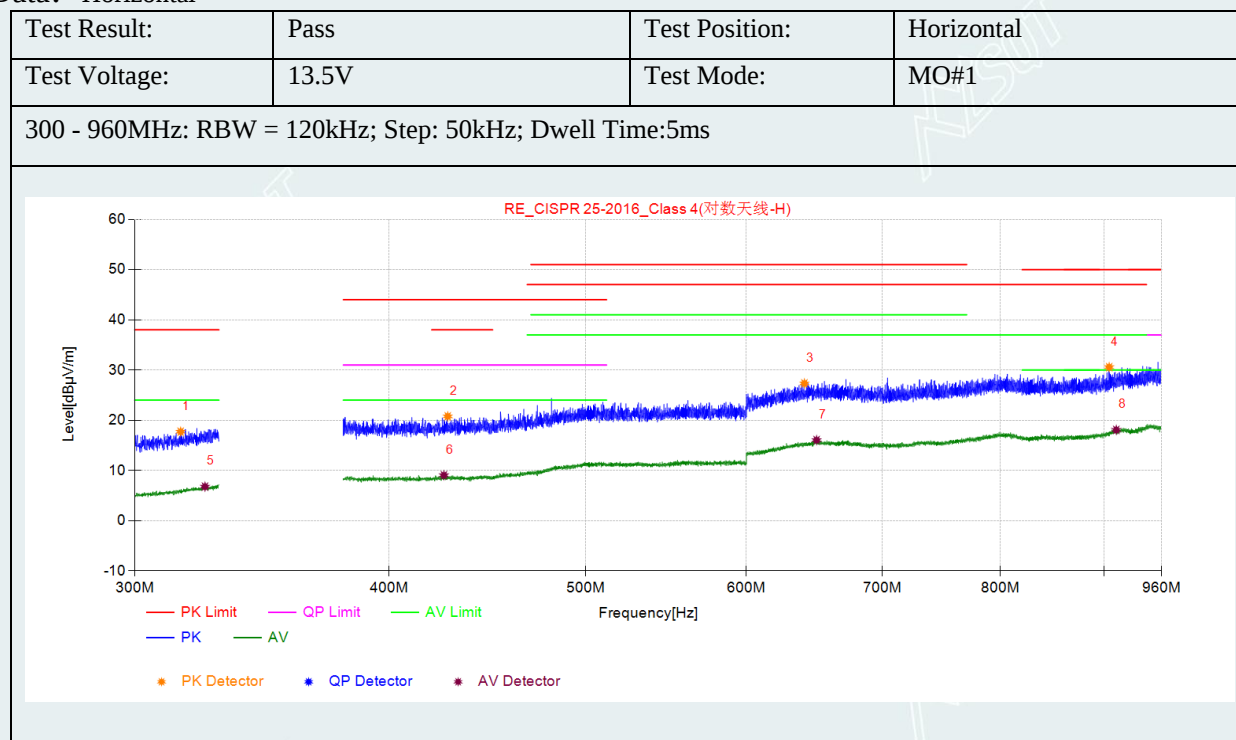
30 - 245MHz; RBW = 120kHz; Step: 50kHz; Dwell Time:5ms



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 33.5000         | 2.87           | 13.36         | 16.23          | 46.00          | 29.77       | PK   |
| 2   | 52.6500         | 2.26           | 11.19         | 13.45          | 34.00          | 20.55       | PK   |
| 3   | 93.2000         | 1.88           | 10.19         | 12.07          | 44.00          | 31.93       | PK   |
| 4   | 157.5500        | 4.18           | 14.78         | 18.96          | 41.00          | 22.04       | PK   |
| 5   | 239.7500        | 2.97           | 17.77         | 20.74          | 32.00          | 11.26       | PK   |
| 6   | 33.3500         | -7.82          | 13.37         | 5.55           | 26.00          | 20.45       | AV   |
| 7   | 50.2500         | -9.73          | 11.47         | 1.74           | 24.00          | 22.26       | AV   |
| 8   | 97.2500         | -9.60          | 10.60         | 1.00           | 24.00          | 23.00       | AV   |
| 9   | 154.5000        | -6.31          | 14.80         | 8.49           | 21.00          | 12.51       | AV   |
| 10  | 243.1000        | -9.12          | 18.06         | 8.94           | 22.00          | 13.06       | AV   |

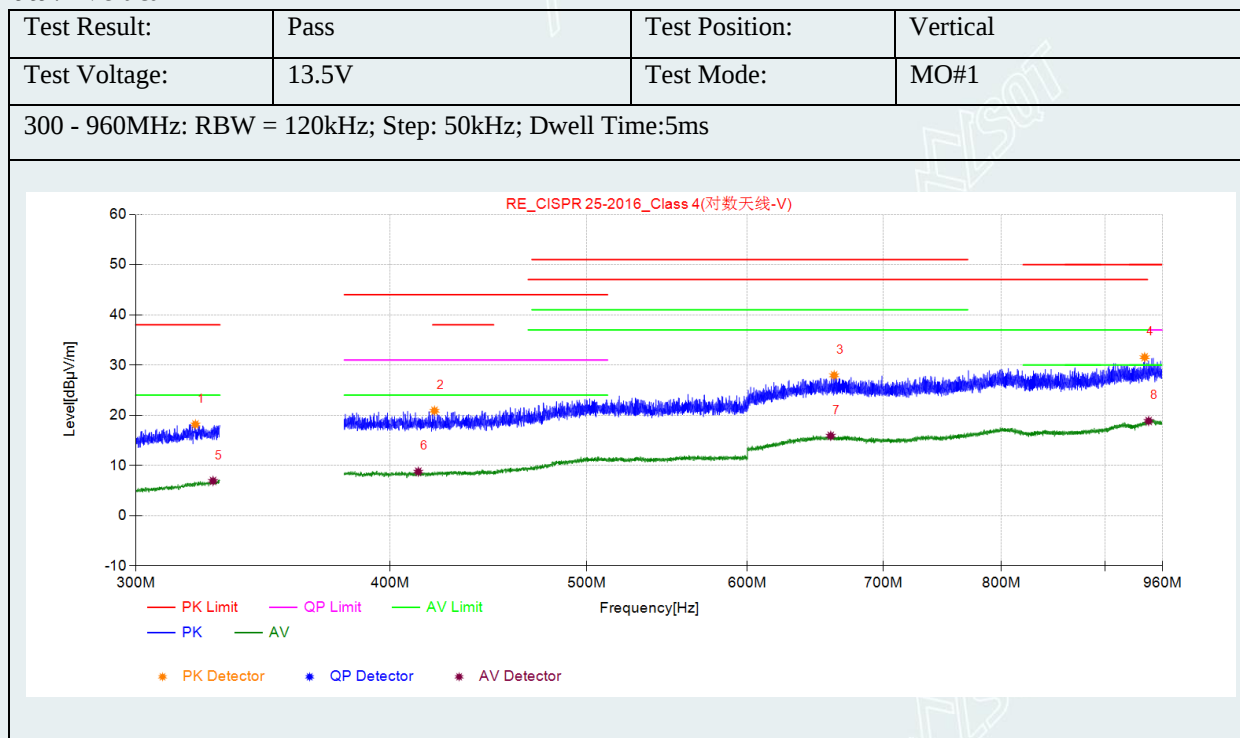
**Band 300 - 1000MHz**

Data: Horizontal



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 316.0000        | 1.64           | 16.08         | 17.72          | 38.00          | 20.28       | PK   |
| 2   | 427.7000        | 2.44           | 18.34         | 20.78          | 38.00          | 17.22       | PK   |
| 3   | 640.7000        | 4.56           | 22.78         | 27.34          | 47.00          | 19.66       | PK   |
| 4   | 904.9500        | 5.67           | 24.90         | 30.57          | 47.00          | 16.43       | PK   |
| 5   | 324.8500        | -9.87          | 16.65         | 6.78           | 24.00          | 17.22       | AV   |
| 6   | 425.8500        | -9.29          | 18.34         | 9.05           | 24.00          | 14.95       | AV   |
| 7   | 649.6000        | -6.91          | 22.96         | 16.05          | 37.00          | 20.95       | AV   |
| 8   | 912.2500        | -7.21          | 25.29         | 18.08          | 30.00          | 11.92       | AV   |

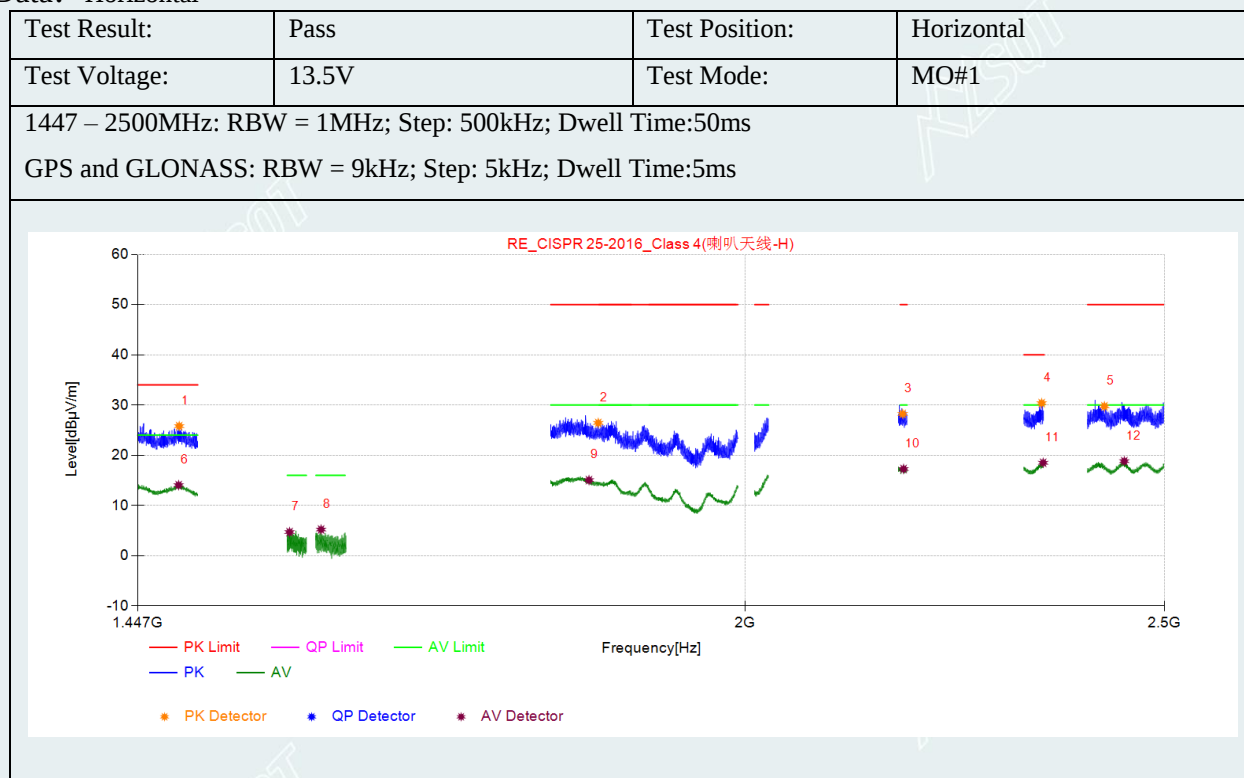
Data: Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 321.0000        | 1.78           | 16.40         | 18.18          | 38.00          | 19.82       | PK   |
| 2   | 420.8500        | 2.58           | 18.32         | 20.90          | 38.00          | 17.10       | PK   |
| 3   | 661.9000        | 5.03           | 22.93         | 27.96          | 47.00          | 19.04       | PK   |
| 4   | 940.9500        | 5.76           | 25.79         | 31.55          | 47.00          | 15.45       | PK   |
| 5   | 327.4500        | -9.89          | 16.81         | 6.92           | 24.00          | 17.08       | AV   |
| 6   | 413.2000        | -9.52          | 18.29         | 8.77           | 24.00          | 15.23       | AV   |
| 7   | 659.3500        | -7.00          | 22.91         | 15.91          | 37.00          | 21.09       | AV   |
| 8   | 945.2500        | -7.18          | 26.04         | 18.86          | 30.00          | 11.14       | AV   |

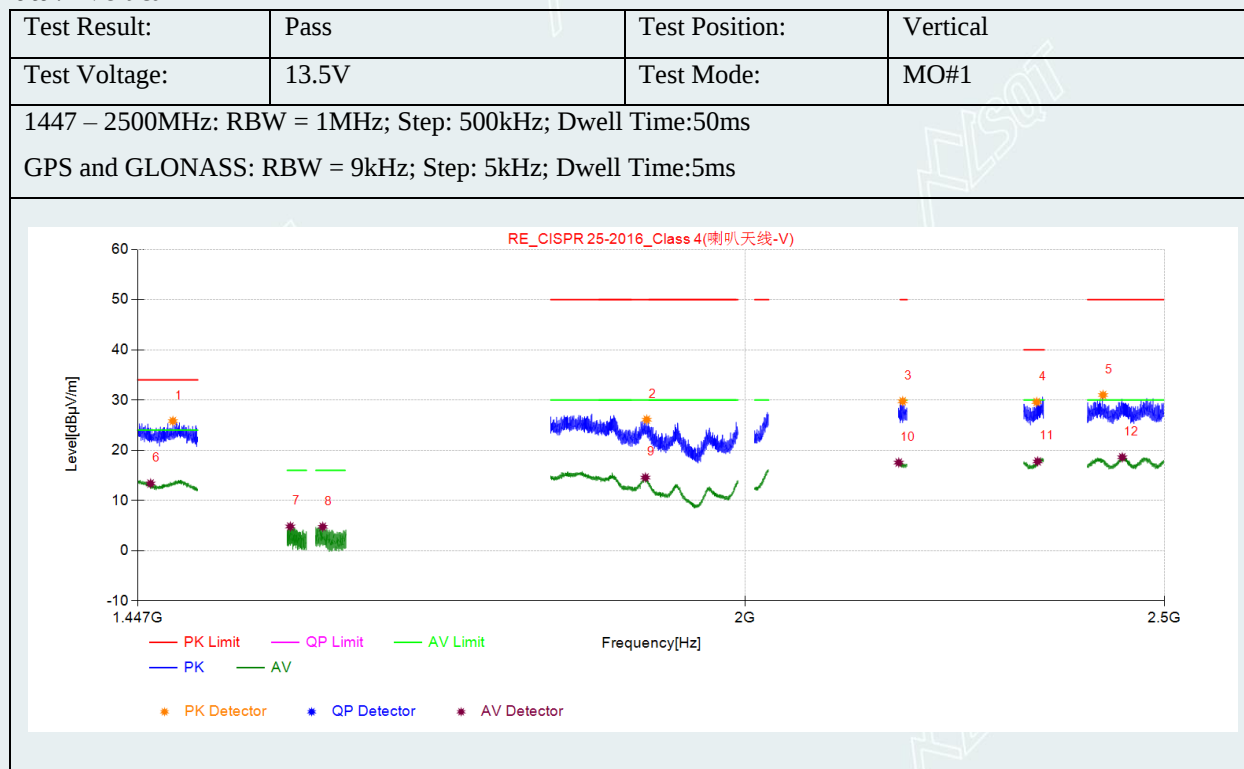
**Band 1000 - 2500MHz**

Data: Horizontal



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 1479.3000       | 32.17          | -6.37         | 25.80          | 34.00          | 8.20        | PK   |
| 2   | 1849.2500       | 28.76          | -2.32         | 26.44          | 50.00          | 23.56       | PK   |
| 3   | 2174.7500       | 28.20          | 0.03          | 28.23          | 50.00          | 21.77       | PK   |
| 4   | 2341.9000       | 29.85          | 0.53          | 30.38          | 40.00          | 9.62        | PK   |
| 5   | 2421.5000       | 28.96          | 0.79          | 29.75          | 50.00          | 20.25       | PK   |
| 6   | 1478.8500       | 20.42          | -6.37         | 14.05          | 24.00          | 9.95        | AV   |
| 7   | 1568.8850       | 10.64          | -5.94         | 4.70           | 16.00          | 11.30       | AV   |
| 8   | 1595.4350       | 10.93          | -5.72         | 5.21           | 16.00          | 10.79       | AV   |
| 9   | 1840.1500       | 17.50          | -2.45         | 15.05          | 30.00          | 14.95       | AV   |
| 10  | 2175.8500       | 17.24          | 0.03          | 17.27          | 30.00          | 12.73       | AV   |
| 11  | 2343.8000       | 17.97          | 0.53          | 18.50          | 30.00          | 11.50       | AV   |
| 12  | 2447.3000       | 17.94          | 0.88          | 18.82          | 30.00          | 11.18       | AV   |

## Data: Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 1474.3500       | 32.16          | -6.34         | 25.82          | 34.00          | 8.18        | PK   |
| 2   | 1897.6500       | 27.71          | -1.62         | 26.09          | 50.00          | 23.91       | PK   |
| 3   | 2174.8000       | 29.73          | 0.03          | 29.76          | 50.00          | 20.24       | PK   |
| 4   | 2335.7000       | 29.09          | 0.51          | 29.60          | 40.00          | 10.40       | PK   |
| 5   | 2419.7500       | 30.20          | 0.79          | 30.99          | 50.00          | 19.01       | PK   |
| 6   | 1456.9000       | 19.62          | -6.24         | 13.38          | 24.00          | 10.62       | AV   |
| 7   | 1569.5100       | 10.74          | -5.93         | 4.81           | 16.00          | 11.19       | AV   |
| 8   | 1596.8650       | 10.47          | -5.71         | 4.76           | 16.00          | 11.24       | AV   |
| 9   | 1896.3000       | 16.20          | -1.64         | 14.56          | 30.00          | 15.44       | AV   |
| 10  | 2170.2500       | 17.55          | 0.00          | 17.55          | -              | -           | AV   |
| 11  | 2336.9500       | 17.26          | 0.51          | 17.77          | 30.00          | 12.23       | AV   |
| 12  | 2444.7000       | 17.73          | 0.87          | 18.60          | 30.00          | 11.40       | AV   |

### 5.2.5 Test Photos



Fig.2-1 Particulars



Fig.2-2 Monopole antenna



Fig.2-3 Biconical antenna



Fig.2-4 Log-periodic antenna



Fig.2-5 Horn antenna



Fig.2-6 Particulars

## 6. Photographs of EUT



EUT photo 1



EUT photo 2

## Statement

1. The report is invalid without "special stamp for inspection and testing".
2. Failure to affix "special seal for inspection and testing" to the copy report is invalid, and some copies are invalid.
3. The report is invalid without the signature and seal of the person preparing, reviewing and approving it.
4. The report is invalid if altered.
5. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the report
6. This test is only responsible for incoming samples, and the report is only valid for this test.

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