



## TEST REPORT

**Application No.:** SHEM1902011164AT  
**Applicant:** ZHEJIANG DAHUA VISION TECHNOLOGY CO.,LTD.  
**Address of Applicant:** No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R.China  
**Manufacturer:** ZHEJIANG DAHUA VISION TECHNOLOGY CO.,LTD.  
**Address of Manufacturer:** No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R.China  
**Equipment Under Test (EUT):**  
**EUT Name:** Network Video Decoder  
**Model No.:** DH-NVD0405DH-2I-4K,OEM-NVD0405DH-2I-4K,DHI-NVD0405DH-2I-4K,  
NVD0405DH-2I-4K,DH-NVD0405DH-2I-4K-a,OEM-NVD0405DH-2I-4K-a,  
DHI-NVD0405DH-2I-4K-a,NVD0405DH-2I-4K-a.  
(a=A~Z or blank)  
☐ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.  
**Standard(s) :** 47 CFR Part 15, Subpart B  
**Date of Receipt:** 2019-02-27  
**Date of Test:** 2019-02-28 to 2019-03-01  
**Date of Issue:** 2019-03-26

|                     |              |
|---------------------|--------------|
| <b>Test Result:</b> | <b>Pass*</b> |
|---------------------|--------------|

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

Parlan Zhan

Parlan Zhan  
E&E Section Manager

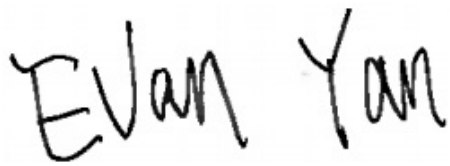

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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| Revision Record |             |            |        |
|-----------------|-------------|------------|--------|
| Version         | Description | Date       | Remark |
| 00              | Original    | 2019-03-26 | /      |
|                 |             |            |        |
|                 |             |            |        |

|                          |  |   |  |  |
|--------------------------|--|---|--|--|
| Authorized for issue by: |  |   |  |  |
|                          |  |   |  |  |
|                          |  | <hr/> Evan Yan / Project Engineer   |  |  |
|                          |  |  |  |  |
|                          |  | <hr/> Bruce Tang / Reviewer   |  |  |

## 2 Test Summary

| Emission Part   |                           |                 |             |        |
|---|---------------------------|-----------------|-------------|--------|
| Item  | Standard                  | Method          | Requirement | Result |
| Conducted Emissions at Mains Terminals (150kHz-30MHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class A     | Pass   |
| Radiated Emissions (30MHz-1GHz)                       | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class A     | Pass   |
| Radiated Emissions (above 1GHz)                       | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class A     | Pass   |

| InternalSource     | UpperFrequency   |
|--------------------|--|
| Below 1.705MHz     | 30MHz  |
| 1.705MHz to 108MHz | 1GHz   |
| 108MHz to 500MHz   | 2GHz   |
| 500MHz to 1GHz     | 5GHz   |
| Above 1GHz         | 5th harmonic of the highest frequency or 40GHz, whichever is lower |

### Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are the identical in electrical and electronic characters. Only the model DHI-NVD0405DH-2I-4K was tested since their differences were the model number and appearance.



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply: DC12V,5A  
Adapter: ADS-45NP-12-1 12036G, input: AC100-240V 50/60Hz 1.2A max, output: DC12V 3A

### 4.2 Description of Support Units

| Description    | Manufacturer     | Model No.        | Serial No. |
|----------------|------------------|------------------|------------|
| 4K monitor     | AOC              | 280LM00004       | /          |
| 7"LCD HD DVR   | /                | DS-8104AHQLI-E4  | /          |
| AC Adapter     | HOIOTO           | ADS-25FSG-12     | /          |
| Hard disk      | HGST             | HTS541010A9E680  | /          |
| Headset        | HYUNDAI          | HY-R362          | /          |
| Network Camera | /                | DS-2CD893PF-E    | /          |
| USB Disk       | SanDisk          | Cruzer Blade 8GB | /          |
| USB Mouse      | 3D Optical Mouse | --               | /          |

### 4.3 Measurement Uncertainty

| No. | Item   | Measurement Uncertainty   |
|-----|--|---------------------------|
| 1   | Conducted Emission at mains port using AMN             | ±2.6dB (9kHz to 150kHz)   |
|     |  | ±2.3dB (150kHz to 30MHz)  |
| 2   | Conducted Emission at mains port using VP              | ±1.9 dB (9kHz to 30MHz)   |
| 3   | Conducted Emission at telecommunication port using AAN | ±4.1 dB (150kHz to 30MHz) |
| 4   | Radiated Power   | ±3.0dB                    |
| 5   | Radiated emission                                      | ±4.4dB (30MHz-1GHz)       |
|     |  | ±4.8dB (1GHz-6GHz)        |
|     |  | ±5.2dB (6GHz-18GHz)       |

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

### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. E&E Lab

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

Tel: +86 21 6191 5666 Fax: +86 21 6191 5678

No tests were sub-contracted.

#### 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **NVLAP (Certificate No. 201034-0)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). Certificate No. 201034-0.

- **FCC –Designation Number: CN5033**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

Designation Number: CN5033. Test Firm Registration Number: 479755.

- **Industry Canada (IC) – IC Assigned Code: 8617A**

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A-1.

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None

## 5 Equipment List

| Conducted Emissions at Mains Terminals (150kHz-30MHz) |                 |          |              |            |              |
|---|-----------------|----------|--------------|------------|--------------|
| Equipment   | Manufacturer    | Model No | Inventory No | Cal Date   | Cal Due Date |
| EMI test receiver                                     | Rohde & Schwarz | ESR7     | SHEM162-1    | 2018-12-20 | 2019-12-19   |
| Line impedance stabilization network                  | SCHWARZBECK     | NSLK8127 | SHEM061-1    | 2018-12-20 | 2019-12-19   |
| Line impedance stabilization network                  | EMCO            | 3816/2   | SHEM019-1    | 2018-12-20 | 2019-12-19   |
| Pulse limiter   | Rohde & Schwarz | ESH3-Z2  | SHEM029-1    | 2018-12-20 | 2019-12-19   |
| Shielding Room  | ZHONGYU         | 8*4*3M   | SHEM079-2    | 2017-12-20 | 2020-12-19   |
| CE test Cable   | /               | /        | CE01         | 2018-12-26 | 2019-12-25   |

| Radiated Emissions (30MHz-1GHz) |                 |                   |              |            |              |
|---------------------------------|-----------------|-------------------|--------------|------------|--------------|
| Equipment                       | Manufacturer    | Model No          | Inventory No | Cal Date   | Cal Due Date |
| EMI test receiver               | Rohde & Schwarz | ESU40             | SHEM051-1    | 2018-12-20 | 2019-12-19   |
| CONTROLLER                      | INNCO           | CO200             | SHEM047-1    | N/A        | N/A          |
| ANTENNA MAST                    | INNCO           | MA400-EP          | SHEM047-2    | N/A        | N/A          |
| TURN DEVICE                     | INNCO           | DE 3600-RH        | SHEM047-3    | N/A        | N/A          |
| Broadband UHF-VHF ANTENNA       | SCHWARZBECK     | VULB9168          | SHEM048-1    | 2017-02-28 | 2020-02-27   |
| Semi/Fully Anechoic             | ST              | 11*6*6M           | SHEM078-2    | 2017-07-22 | 2020-07-21   |
| Low Amplifier                   | CLAVIIO         | BDLNA-0001-412010 | SHEM164-1    | 2018-08-13 | 2019-08-12   |

| Radiated Emissions (above 1GHz)      |                 |                      |              |            |              |
|--------------------------------------|-----------------|----------------------|--------------|------------|--------------|
| Equipment                            | Manufacturer    | Model No             | Inventory No | Cal Date   | Cal Due Date |
| EMI test receiver                    | Rohde & Schwarz | ESU40                | SHEM051-1    | 2018-12-20 | 2019-12-19   |
| CONTROLLER                           | INNCO           | CO200                | SHEM047-1    | N/A        | N/A          |
| ANTENNA MAST                         | INNCO           | MA400-EP             | SHEM047-2    | N/A        | N/A          |
| TURN DEVICE                          | INNCO           | DE 3600-RH           | SHEM047-3    | N/A        | N/A          |
| Double ridged broadband horn ANTENNA | SCHWARZBECK     | BBHA9120D            | SHEM050-1    | 2017-01-14 | 2020-01-13   |
| High-amplifier                       | SCHWARZBECK     | SCU-F0118-G40-BZ4-CS | SHEM050-2    | 2018-12-20 | 2019-12-19   |
| Semi/Fully Anechoic                  | ST              | 11*6*6M              | SHEM078-2    | 2017-07-22 | 2020-07-21   |
| High Amplifier                       | CLAVIIO         | BDLNA-0118-352810    | SHEM165-1    | 2018-08-13 | 2019-08-12   |

| General used equipment        |                             |            |              |            |              |
|-------------------------------|-----------------------------|------------|--------------|------------|--------------|
| Equipment                     | Manufacturer                | Model No   | Inventory No | Cal Date   | Cal Due Date |
| Digital pressure meter        | YONGZHI                     | DYM3-01    | SHEM082-1    | 2018-01-25 | 2021-01-24   |
| Temperature&humidity recorder | ShangHai weather meter work | ZJ 1-2B    | SHEM042-1~6  | 2018-08-31 | 2019-08-30   |
| Digital Multimeter            | FLUKE                       | 17B        | SHEM043-3    | 2018-09-03 | 2019-09-02   |
| Autoformer regulator          | Guangzhou bao de            | TDGC2-5KVA | SHEM150-1    | N/A        | N/A          |
| Multi-purpose tong tester     | FLUKE                       | 316        | SHEM001-1    | 2018-12-20 | 2019-12-19   |

## 6 Emission Test Results

### 6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

|                   |  |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15, Subpart B                                    |
| Test Method:      | ANSI C63.4:2014  |
| Frequency Range:  | 150kHz to 30MHz  |
| Limit:            |  |
| 0.15M-0.5MHz      | 79dB( $\mu$ V) quasi-peak, 66dB( $\mu$ V) average            |
| 0.5M-30MHz        | 73dB( $\mu$ V) quasi-peak, 60dB( $\mu$ V) average            |
| Detector:         | Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz |

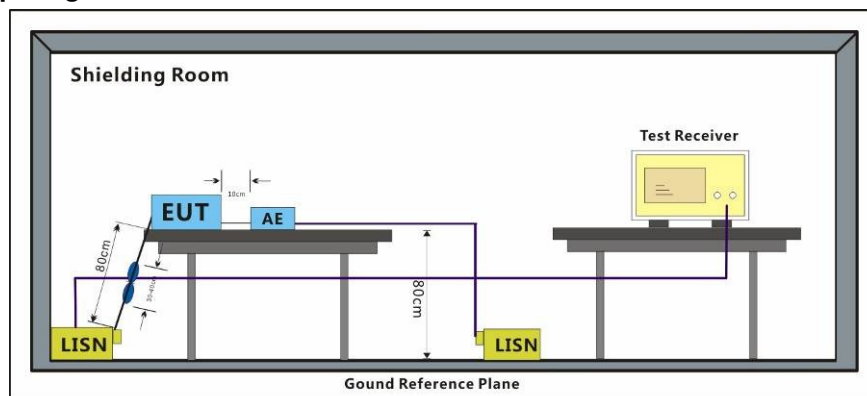
#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a: keep EUT monitoring and data running continually.

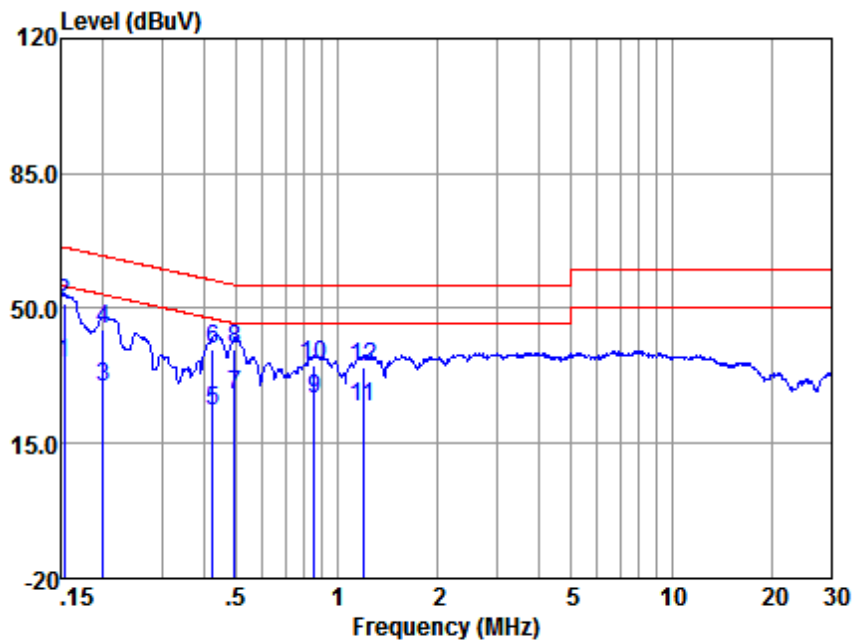
#### 6.1.2 Test Setup Diagram



#### 6.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

Mode:a; Line:Live Line

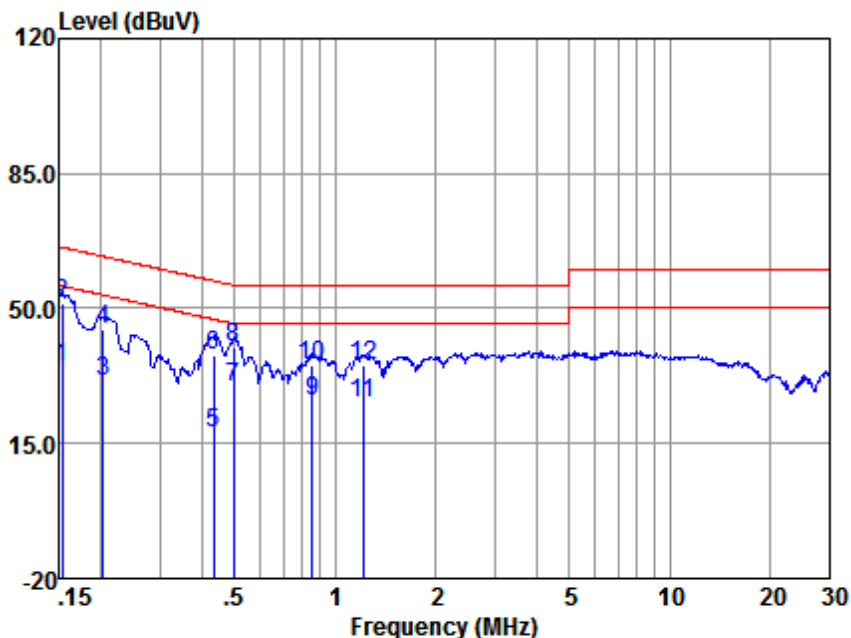


LISN : LINE  
EUT/Project No : 1164AT  
Test mode : a

|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.15          | 25.69                   | 0.09                   | 10.00                 | 35.78                       | 55.87           | -20.09                | Average |
| 2  | 0.15          | 41.40                   | 0.09                   | 10.00                 | 51.49                       | 65.87           | -14.38                | QP      |
| 3  | 0.20          | 19.51                   | 0.07                   | 10.00                 | 29.58                       | 53.62           | -24.04                | Average |
| 4  | 0.20          | 34.50                   | 0.07                   | 10.00                 | 44.57                       | 63.62           | -19.05                | QP      |
| 5  | 0.43          | 13.06                   | 0.08                   | 10.00                 | 23.14                       | 47.33           | -24.19                | Average |
| 6  | 0.43          | 29.34                   | 0.08                   | 10.00                 | 39.42                       | 57.33           | -17.91                | QP      |
| 7  | 0.49          | 17.48                   | 0.08                   | 10.00                 | 27.56                       | 46.10           | -18.54                | Average |
| 8  | 0.49          | 29.43                   | 0.08                   | 10.00                 | 39.51                       | 56.10           | -16.59                | QP      |
| 9  | 0.86          | 16.50                   | 0.09                   | 10.00                 | 26.59                       | 46.00           | -19.41                | Average |
| 10 | 0.86          | 25.29                   | 0.09                   | 10.00                 | 35.38                       | 56.00           | -20.62                | QP      |
| 11 | 1.20          | 14.48                   | 0.10                   | 10.10                 | 24.68                       | 46.00           | -21.32                | Average |
| 12 | 1.20          | 24.58                   | 0.10                   | 10.10                 | 34.78                       | 56.00           | -21.22                | QP      |

Notes: Emission Level = Read Level + LISN Factor + Cable loss

Mode:a; Line:Neutral Line



LISN : NEUTRAL

EUT/Project No : 1164AT

Test mode : a

|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.15          | 24.84                   | 0.07                   | 10.00                 | 34.91                       | 55.87           | -20.96                | Average |
| 2  | 0.15          | 41.20                   | 0.07                   | 10.00                 | 51.27                       | 65.87           | -14.60                | QP      |
| 3  | 0.20          | 21.19                   | 0.06                   | 10.00                 | 31.25                       | 53.54           | -22.29                | Average |
| 4  | 0.20          | 34.71                   | 0.06                   | 10.00                 | 44.77                       | 63.54           | -18.77                | QP      |
| 5  | 0.43          | 7.59                    | 0.06                   | 10.00                 | 17.65                       | 47.20           | -29.55                | Average |
| 6  | 0.43          | 27.62                   | 0.06                   | 10.00                 | 37.68                       | 57.20           | -19.52                | QP      |
| 7  | 0.50          | 19.76                   | 0.06                   | 10.00                 | 29.82                       | 46.05           | -16.23                | Average |
| 8  | 0.50          | 30.07                   | 0.06                   | 10.00                 | 40.13                       | 56.05           | -15.92                | QP      |
| 9  | 0.86          | 15.66                   | 0.08                   | 10.00                 | 25.74                       | 46.00           | -20.26                | Average |
| 10 | 0.86          | 25.38                   | 0.08                   | 10.00                 | 35.46                       | 56.00           | -20.54                | QP      |
| 11 | 1.21          | 15.18                   | 0.09                   | 10.10                 | 25.37                       | 46.00           | -20.63                | Average |
| 12 | 1.21          | 25.02                   | 0.09                   | 10.10                 | 35.21                       | 56.00           | -20.79                | QP      |

Notes: Emission Level = Read Level + LISN Factor + Cable loss

## 6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Frequency Range: 30MHz to 1GHz

Measurement Distance: 3m

Limit:

30MHz -88MHz 49.5(dB $\mu$ V/m) quasi-peak

88MHz-216MHz 54.0(dB $\mu$ V/m) quasi-peak

216MHz-960MHz 56.9(dB $\mu$ V/m) quasi-peak

960MHz-1000MHz 60.0(dB $\mu$ V/m) quasi-peak

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

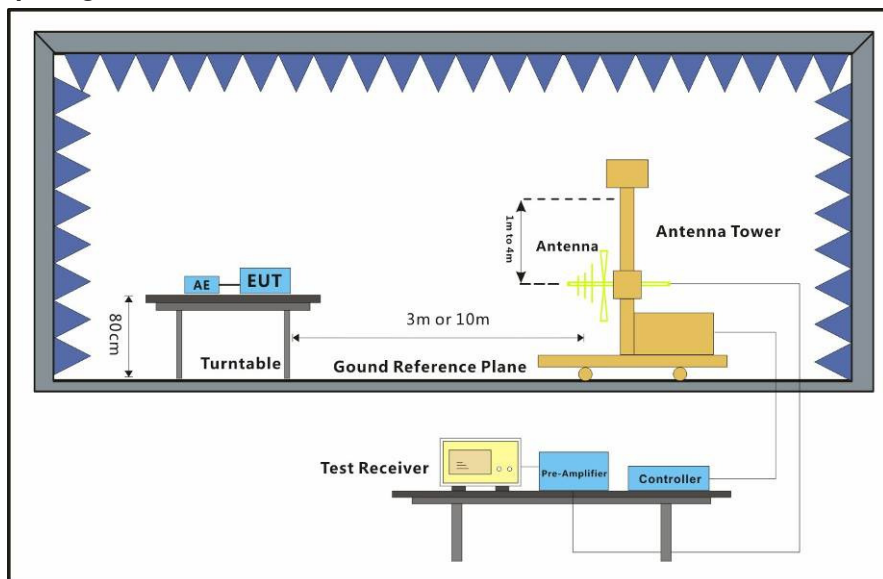
### 6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1020 mbar

Test mode a: keep EUT monitoring and data running continually.

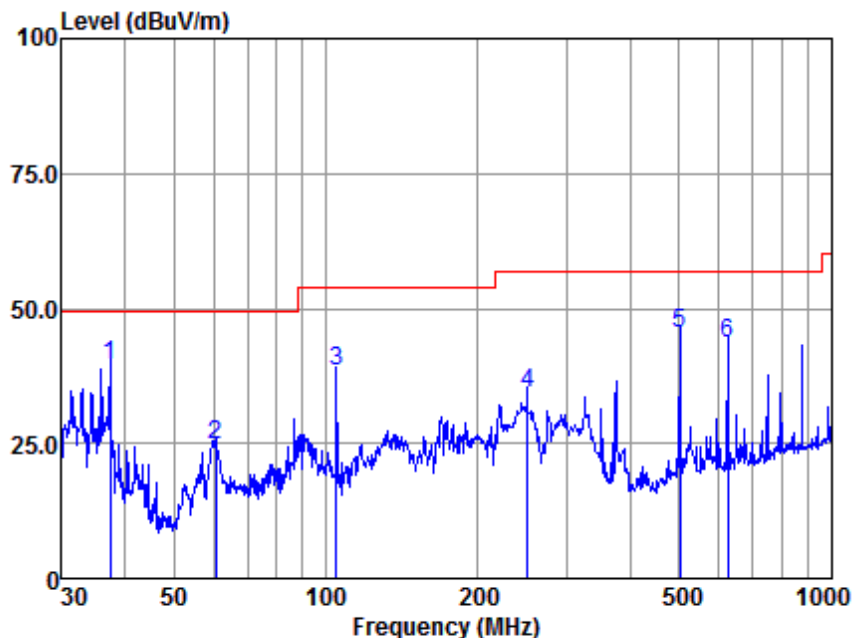
### 6.2.2 Test Setup Diagram



### 6.2.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Mode:a; Polarization:Horizontal



Antenna Polarity :HORIZONTAL

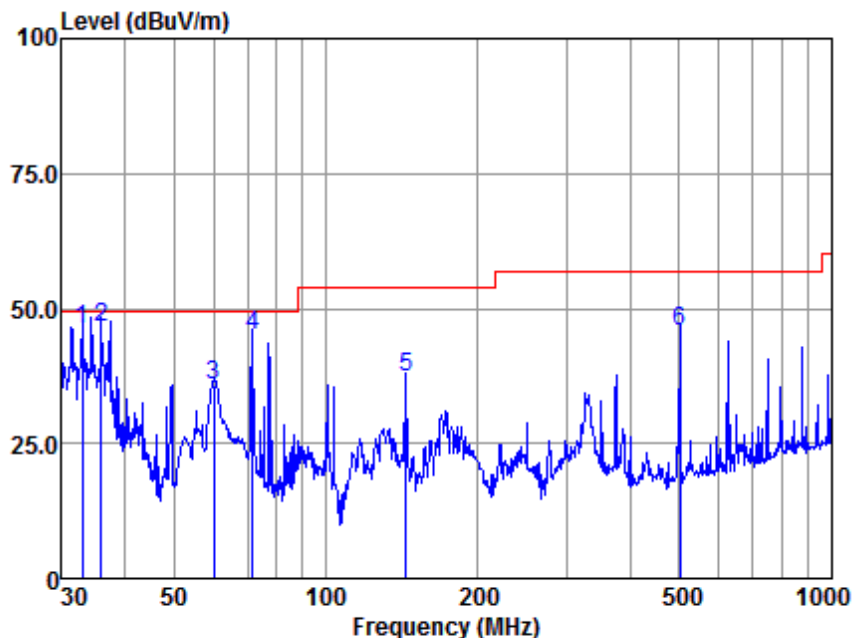
EUT/Project :11164AT

Test mode :a

|   | Freq   | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Emission Level | Limit Line | Over Limit | Remark |
|---|--------|------------|----------------|------------|---------------------|----------------|------------|------------|--------|
|   | MHz    | dBuV       | dB/m           | dB         | dB                  | dBuV/m         | dBuV/m     | dB         |        |
| 1 | 37.42  | 65.42      | 16.07          | 0.42       | 42.34               | 39.57          | 49.50      | -9.93      | QP     |
| 2 | 60.49  | 53.94      | 12.56          | 0.59       | 42.32               | 24.77          | 49.50      | -24.73     | QP     |
| 3 | 104.90 | 69.83      | 9.55           | 1.15       | 42.31               | 38.22          | 54.00      | -15.78     | QP     |
| 4 | 250.30 | 62.87      | 11.52          | 2.19       | 42.10               | 34.48          | 56.90      | -22.42     | QP     |
| 5 | 501.18 | 66.37      | 17.20          | 3.50       | 41.69               | 45.38          | 56.90      | -11.52     | QP     |
| 6 | 625.08 | 61.94      | 19.59          | 3.81       | 41.69               | 43.65          | 56.90      | -13.25     | QP     |

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamplifier Factor

Mode:a; Polarization:Vertical



Antenna Polarity :VERTICAL

EUT/Project :11164AT

Test mode :a

|   | Freq   | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Emission Level | Limit Line | Over Limit | Remark |
|---|--------|------------|----------------|------------|---------------------|----------------|------------|------------|--------|
|   | MHz    | dBuV       | dB/m           | dB         | dB                  | dBuV/m         | dBuV/m     | dB         |        |
| 1 | 32.98  | 72.41      | 15.64          | 0.36       | 42.36               | 46.05          | 49.50      | -3.45      | QP     |
| 2 | 35.87  | 72.49      | 15.93          | 0.41       | 42.35               | 46.48          | 49.50      | -3.02      | QP     |
| 3 | 60.07  | 65.00      | 12.60          | 0.59       | 42.33               | 35.86          | 49.50      | -13.64     | QP     |
| 4 | 71.58  | 75.97      | 10.81          | 0.65       | 42.26               | 45.17          | 49.50      | -4.33      | QP     |
| 5 | 144.33 | 66.48      | 11.56          | 1.37       | 42.24               | 37.17          | 54.00      | -16.83     | QP     |
| 6 | 501.18 | 66.80      | 17.20          | 3.50       | 41.69               | 45.81          | 56.90      | -11.09     | QP     |

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamplifier Factor

### 6.3 Radiated Emissions (above 1GHz)

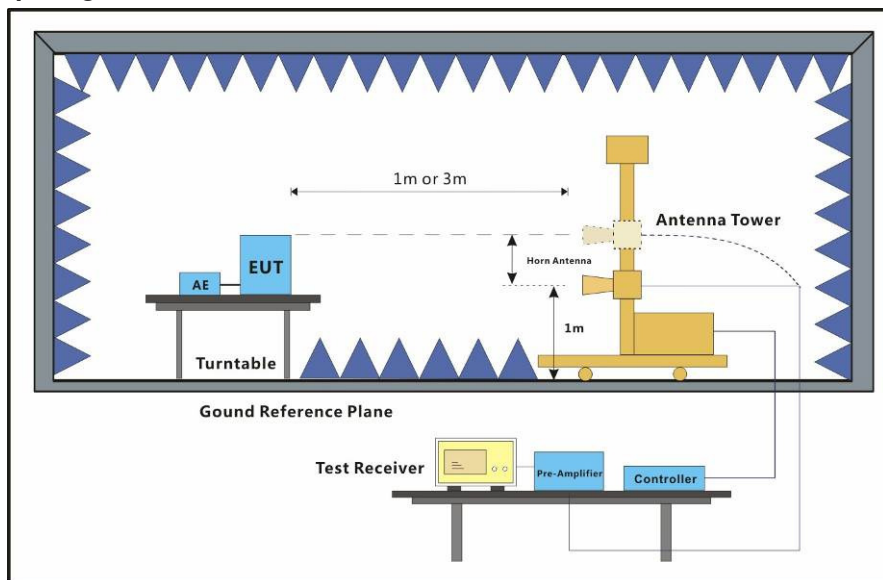
|                       |  |
|-----------------------|--|
| Test Requirement:     | 47 CFR Part 15, Subpart B  |
| Test Method:          | ANSI C63.4:2014  |
| Frequency Range:      | Above 1GHz   |
| Measurement Distance: | 3m   |
| Limit:                |  |
| Above 1GHz            | 80(dBμV/m) peak, 60(dBμV/m) average                                |
| Detector:             | Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 18000MHz |

#### 6.3.1 E.U.T. Operation

Operating Environment:

|              |  |           |         |                       |           |
|--------------|--|-----------|---------|-----------------------|-----------|
| Temperature: | 22 °C  | Humidity: | 50 % RH | Atmospheric Pressure: | 1020 mbar |
| Test mode    | a: keep EUT monitoring and data running continually. |           |         |                       |           |

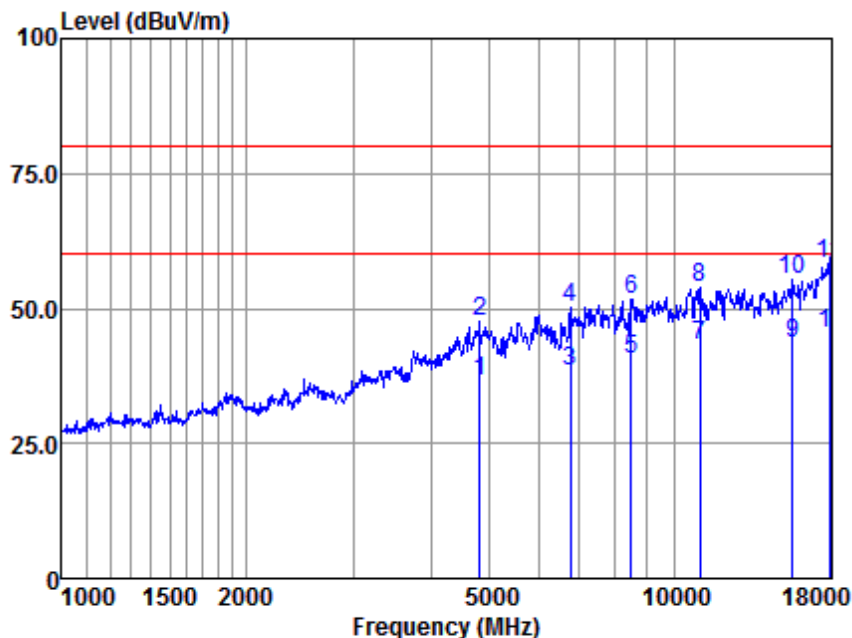
#### 6.3.2 Test Setup Diagram



#### 6.3.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

Mode:a; Polarization:Horizontal



Antenna Polarity :HORIZONTAL

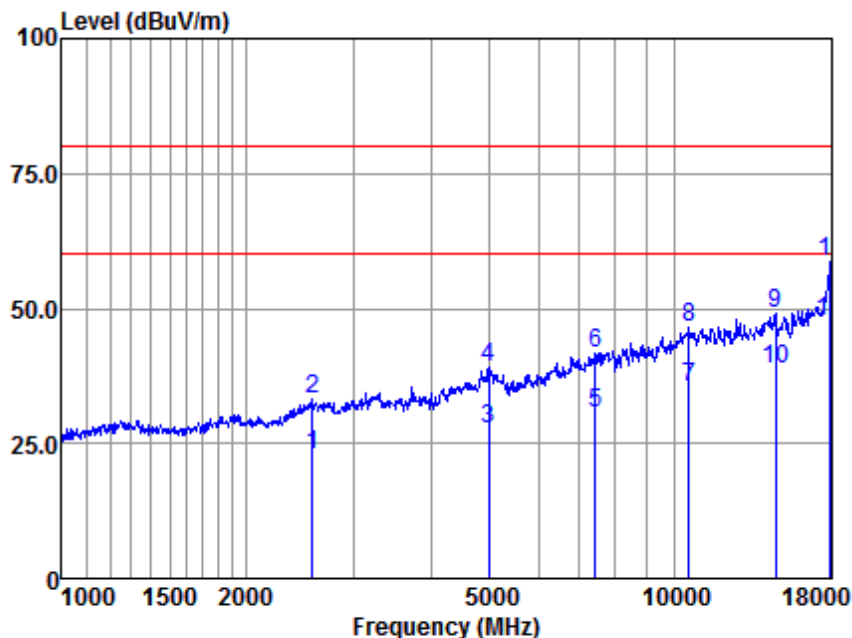
EUT/Project :11164AT

Test mode :a

|    | Freq     | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limit Line | Over Limit | Remark  |
|----|----------|------------|----------------|------------|---------------|----------------|------------|------------|---------|
|    | MHz      | dBuV       | dB/m           | dB         | dB            | dBuV/m         | dBuV/m     | dB         |         |
| 1  | 4804.11  | 34.81      | 31.22          | 12.83      | 42.48         | 36.38          | 60.00      | -23.62     | Average |
| 2  | 4804.11  | 45.91      | 31.22          | 12.83      | 42.48         | 47.48          | 80.00      | -32.52     | Peak    |
| 3  | 6756.71  | 31.76      | 34.73          | 14.73      | 42.76         | 38.46          | 60.00      | -21.54     | Average |
| 4  | 6756.71  | 43.32      | 34.73          | 14.73      | 42.76         | 50.02          | 80.00      | -29.98     | Peak    |
| 5  | 8489.88  | 29.53      | 36.80          | 17.08      | 42.85         | 40.56          | 60.00      | -19.44     | Average |
| 6  | 8489.88  | 40.81      | 36.80          | 17.08      | 42.85         | 51.84          | 80.00      | -28.16     | Peak    |
| 7  | 10980.47 | 25.17      | 40.44          | 19.68      | 42.11         | 43.18          | 60.00      | -16.82     | Average |
| 8  | 10980.47 | 35.75      | 40.44          | 19.68      | 42.11         | 53.76          | 80.00      | -26.24     | Peak    |
| 9  | 15577.90 | 21.45      | 38.95          | 24.82      | 41.53         | 43.69          | 60.00      | -16.31     | Average |
| 10 | 15577.90 | 33.28      | 38.95          | 24.82      | 41.53         | 55.52          | 80.00      | -24.48     | Peak    |
| 11 | 17948.05 | 7.64       | 50.11          | 28.55      | 40.78         | 45.52          | 60.00      | -14.48     | Average |
| 12 | 17948.05 | 20.46      | 50.11          | 28.55      | 40.78         | 58.34          | 80.00      | -21.66     | Peak    |

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

Mode:a; Polarization:Vertical



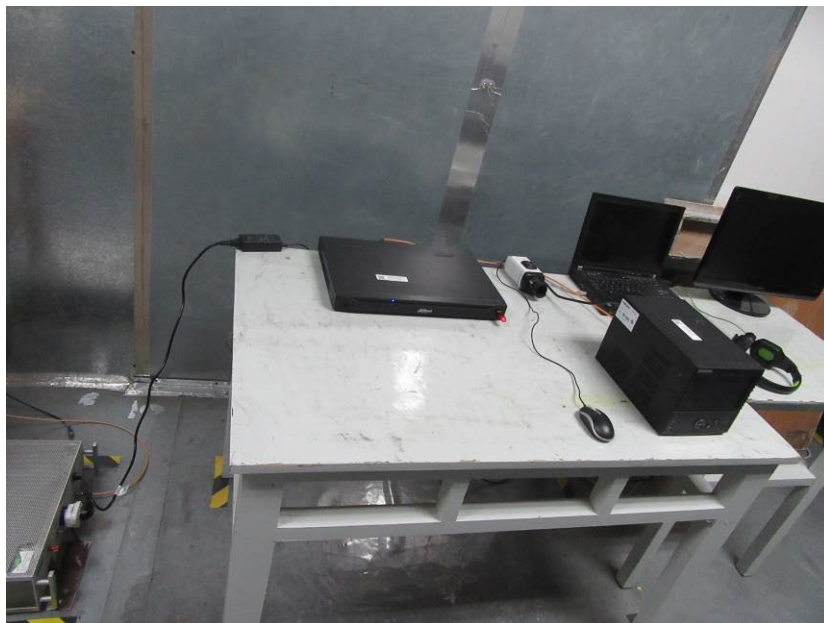
Antenna Polarity :VERTICAL  
EUT/Project :11164AT  
Test mode :a

|    | Freq     | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Emission Level | Limit Line | Over Limit | Remark  |
|----|----------|------------|----------------|------------|---------------------|----------------|------------|------------|---------|
|    | MHz      | dBuV       | dB/m           | dB         | dB                  | dBuV/m         | dBuV/m     | dB         |         |
| 1  | 2565.78  | 29.70      | 27.56          | 8.00       | 42.33               | 22.93          | 60.00      | -37.07     | Average |
| 2  | 2565.78  | 39.83      | 27.56          | 8.00       | 42.33               | 33.06          | 80.00      | -46.94     | Peak    |
| 3  | 4973.66  | 26.08      | 31.55          | 12.63      | 42.50               | 27.76          | 60.00      | -32.24     | Average |
| 4  | 4973.66  | 37.51      | 31.55          | 12.63      | 42.50               | 39.19          | 80.00      | -40.81     | Peak    |
| 5  | 7432.91  | 20.98      | 36.54          | 16.11      | 42.84               | 30.79          | 60.00      | -29.21     | Average |
| 6  | 7432.91  | 32.03      | 36.54          | 16.11      | 42.84               | 41.84          | 80.00      | -38.16     | Peak    |
| 7  | 10545.01 | 19.01      | 39.66          | 19.08      | 42.29               | 35.46          | 60.00      | -24.54     | Average |
| 8  | 10545.01 | 30.13      | 39.66          | 19.08      | 42.29               | 46.58          | 80.00      | -33.42     | Peak    |
| 9  | 14618.17 | 25.35      | 41.75          | 23.74      | 41.72               | 49.12          | 80.00      | -30.88     | Peak    |
| 10 | 14618.17 | 14.79      | 41.75          | 23.74      | 41.72               | 38.56          | 60.00      | -21.44     | Average |
| 11 | 17948.05 | 20.64      | 50.11          | 28.55      | 40.78               | 58.52          | 80.00      | -21.48     | Peak    |
| 12 | 17948.05 | 9.84       | 50.11          | 28.55      | 40.78               | 47.72          | 60.00      | -12.28     | Average |

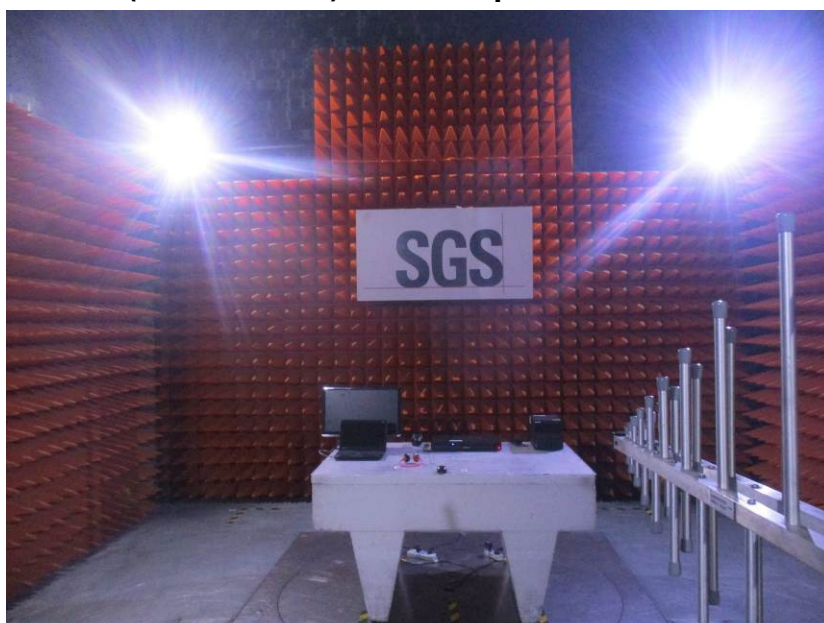
Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamplifier Factor

## 7 Photographs

### 7.1 Conducted Emissions at Mains Terminals (150kHz-30MHz) Test Setup



### 7.2 Radiated Emissions (30MHz-1GHz) Test Setup

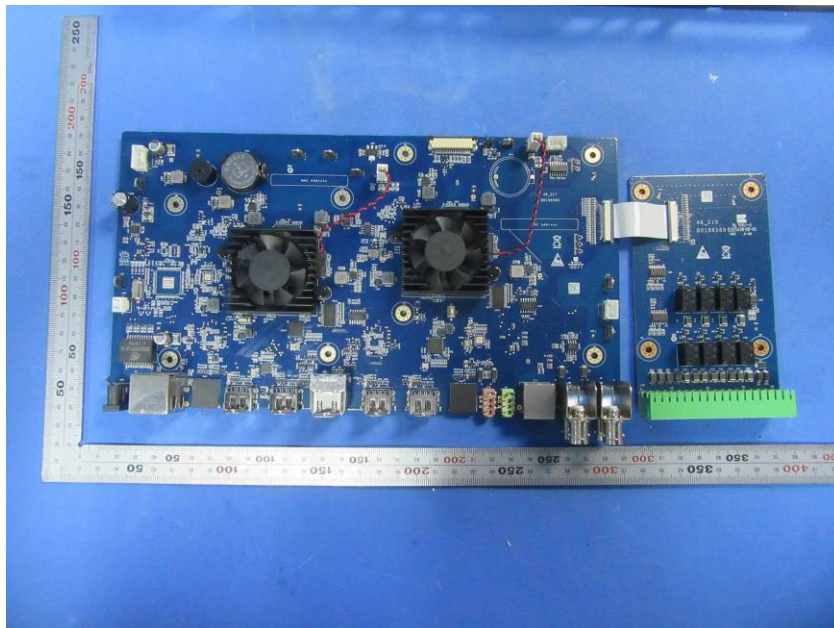
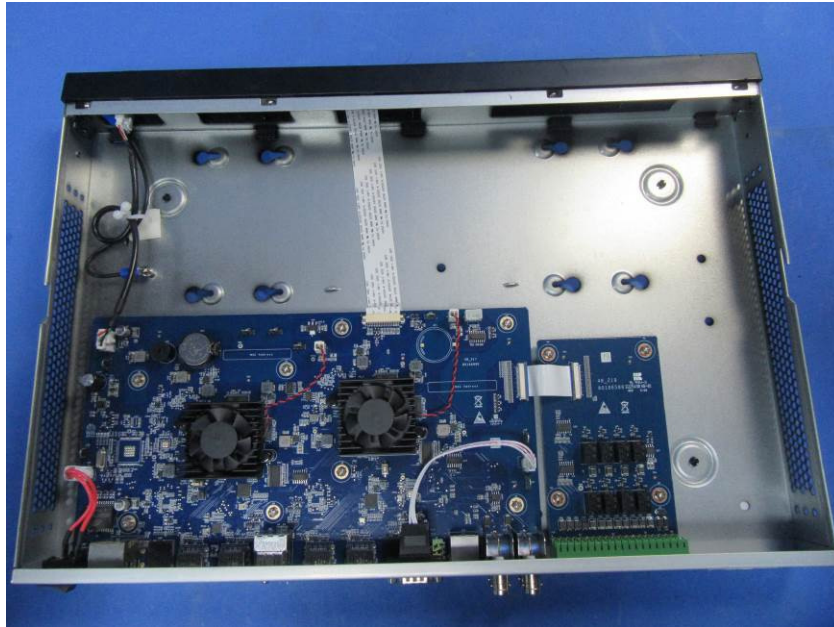


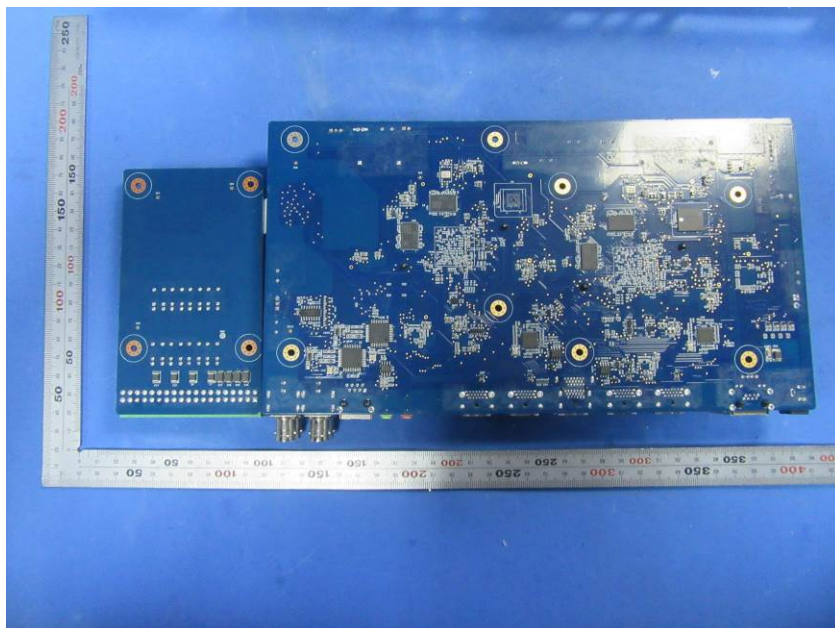
### 7.3 Radiated Emissions (above 1GHz) Test Setup

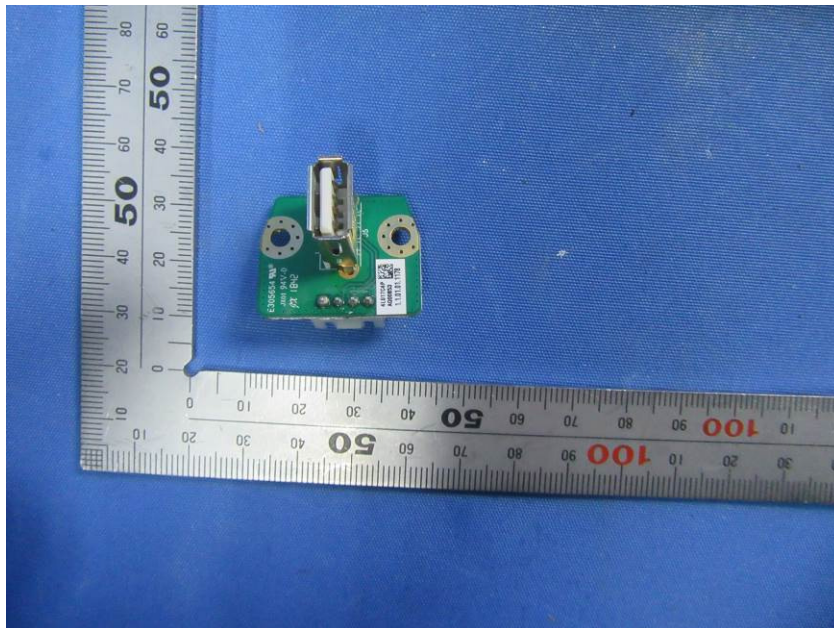
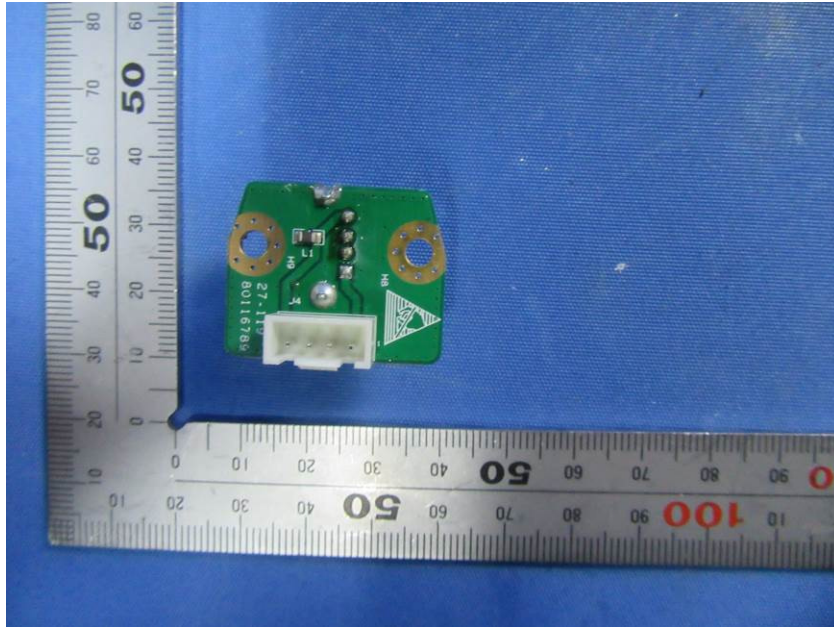


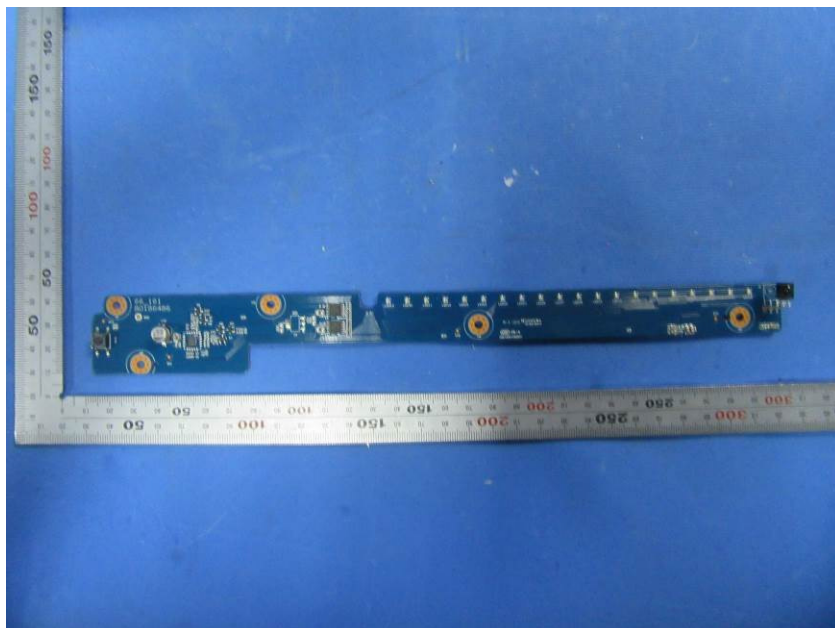
## 7.4 EUT Constructional Details (EUT Photos)













- End of the Report -