

# FCC Test Report

**Client Name** : **Shenzhen JHC Technology Development Co., LTD**

**Client Address** : **B Area, 3rd floor, A Block Junxiangda Building, N0.9 Zhongshanyuan Road, Nanshan Distr., Shenzhen, China**

**Product Name** : **Industrial Embedded Computer**

**Report Date** : **Oct. 11, 2022**

**Shenzhen Anbotech Compliance Laboratory Limited**



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## TEST REPORT

Applicant : Shenzhen JHC Technology Development Co., LTD  
Manufacturer : Shenzhen JHC Technology Development Co., LTD  
Product Name : Industrial Embedded Computer  
Test Model No. : KMDA-2630-T001  
Reference Model No. : KMDA-2630-T002, KMDA-2630-T003, KMDA-2630-T004,  
KMDA-2630-S001, KMDA-2630-S002, KMDA-2630-S003,  
KMDA-2630-S004  
Trade Mark : JHCTECH  
Rating(s) : Input: DC 12.0V 1.51A 18.12W  
Test Standard(s) : FCC 47 CFR Part 15 Subpart B: 2022  
Test Method(s) : ANSI C63.4-2014

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC 47 CFR Part 15 Subpart B limits both radiated and conducted emissions. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited Is assumed full responsibility for the accuracy and completeness of these measurements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited

Date of Receipt: Aug. 04, 2022

Date of Test: Aug. 04~Sept. 07, 2022

Prepared By:

We Zeng

(We Zeng)

Approved & Authorized Signer:

KingKong Jin

(KingKong Jin)





## 1. General Information

### 1.1. Client Information

|              |   |                                                                                                          |
|--------------|---|----------------------------------------------------------------------------------------------------------|
| Applicant    | : | Shenzhen JHC Technology Development Co., LTD                                                             |
| Address      | : | B Area, 3rd floor, A Block Junxiangda Building, N0.9 Zhongshanyuan Road, Nanshan Distr., Shenzhen, China |
| Manufacturer | : | Shenzhen JHC Technology Development Co., LTD                                                             |
| Address      | : | B Area, 3rd floor, A Block Junxiangda Building, N0.9 Zhongshanyuan Road, Nanshan Distr., Shenzhen, China |
| Factory      | : | Shenzhen JHC Technology Development Co., LTD                                                             |
| Address      | : | B Area, 3rd floor, A Block Junxiangda Building, N0.9 Zhongshanyuan Road, Nanshan Distr., Shenzhen, China |

### 1.2. Description of Device (EUT)

|                     |   |                                                                                                                                                                                                                                              |
|---------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name        | : | Industrial Embedded Computer                                                                                                                                                                                                                 |
| Test Model No.      | : | KMDA-2630-T001                                                                                                                                                                                                                               |
| Reference Model No. | : | KMDA-2630-T002, KMDA-2630-T003, KMDA-2630-T004,<br>KMDA-2630-S001, KMDA-2630-S002, KMDA-2630-S003,<br>KMDA-2630-S004<br>(Note: All samples are the same except the model number & appearance, so we prepare "KMDA-2630-T001" for test only.) |
| Trade Mark          | : | JHCTECH                                                                                                                                                                                                                                      |
| Test Power Supply   | : | AC 120V, 60Hz                                                                                                                                                                                                                                |
| Test Sample No.     | : | 1-1-1                                                                                                                                                                                                                                        |
| Product Description | : | Adapter 1<br>MODEL: KPL-060F-VI<br>INPUT: 100-240V~ 50/60Hz 1.7A<br>OUTPUT: +12.0V---5.0A 60.0W                                                                                                                                              |
|                     | : | Adapter 2<br>MODEL NO.: FSP060-DBAB1<br>INPUT: 100-240V~, 1.5A, 50-60Hz<br>OUTPUT: 12.0V---5.0A MAX (60W MAX)                                                                                                                                |

**Remark:** (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



### 1.3. Auxiliary Equipment Used During Test

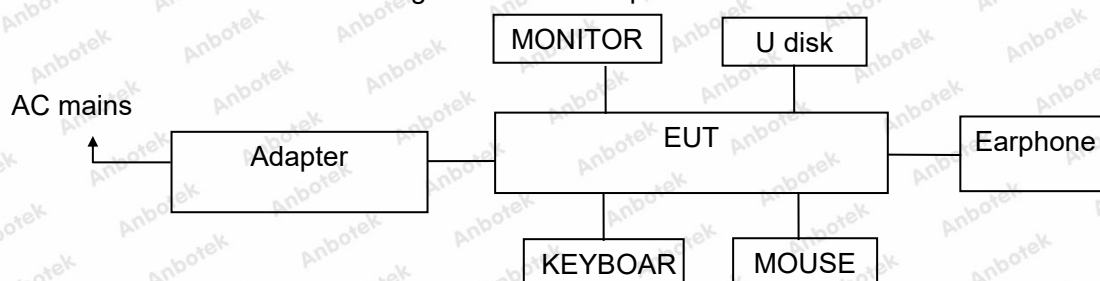
|          |   |                                                                                                                                          |
|----------|---|------------------------------------------------------------------------------------------------------------------------------------------|
| MONITOR1 | : | Manufacturer: PHILIPS                                                                                                                    |
|          | : | M/N: 273V7QDSBF/93<br>S/N: UK0A2120004629A2K<br>Input: AC100-240~50/60Hz 1.6A                                                            |
| MONITOR2 | : | Manufacturer: AOC                                                                                                                        |
|          | : | M/N: LV273HUPR<br>S/N: APMM79A00124 7Q<br>Input: 100-240~50/60Hz 1.5A                                                                    |
| KEYBOARD | : | Manufacturer: DELL                                                                                                                       |
|          | : | M/N: SK-8120<br>S/N: CN-0DJ365-71616-49J-0MVR-A00<br>Input Rating: DC 5V, 0.05A<br>CE, FCC, VCCI, KCC, TUV-GS<br>Cable: 1.8m, unshielded |
| MOUSE    | : | Manufacturer: DELL                                                                                                                       |
|          | : | M/N: MS111-T<br>S/N: CN-0KW2YH-71616-488-1CBJ<br>Input Rating: DC 5V, 0.1A<br>Cable: 1.8m, unshielded<br>CE, FCC, VCCI, KCC, TUV-GS      |



#### 1.4. Description of Test Mode

| Pretest Mode | Description |
|--------------|-------------|
| Mode 1       | On          |

For Mode 1 Block Diagram of Test Setup



#### 1.5. Test Summary

| Test Items                                                                     | Test Mode | Status |
|--------------------------------------------------------------------------------|-----------|--------|
| Power Line Conducted Emission Test                                             | Mode 1    | P      |
| Radiated Emission Test (Below 1 GHz)                                           | Mode 1    | P      |
| Radiated Emission Test (Above 1GHz)                                            | Mode 1    | P      |
| P) Indicates "PASS".<br>F) Indicates "Fail".<br>N) Indicates "Not applicable". |           |        |

#### 1.6. Test Equipment List

☒ Power Line Conducted Emission Test

| Item | Equipment                                         | Manufacturer            | Model No. | Serial No.       | Last Cal.     | Cal. Interval |
|------|---------------------------------------------------|-------------------------|-----------|------------------|---------------|---------------|
| 1.   | L.I.S.N.<br>Artificial Mains<br>Network           | Rohde & Schwarz         | ENV216    | 100055           | Oct. 22, 2021 | 1 Year        |
| 2.   | Three Phase V-type<br>Artificial Power<br>Network | CYBERTEK                | EM5040DT  | E215040D<br>T001 | Jul. 05, 2022 | 1 Year        |
| 3.   | EMI Test Receiver                                 | Rohde & Schwarz         | ESCI      | 100627           | Oct. 22, 2021 | 1 Year        |
| 4.   | RF Switching Unit                                 | Compliance<br>Direction | RSU-M2    | 38303            | Oct. 22, 2021 | 1 Year        |
| 5.   | Software Name<br>EZ-EMC                           | Ferrari Technology      | ANB-03A   | N/A              | N/A           | N/A           |





☒ Radiated Emission Test (Below 1 GHz)

| Item | Equipment               | Manufacturer       | Model No. | Serial No.       | Last Cal.     | Cal. Interval |
|------|-------------------------|--------------------|-----------|------------------|---------------|---------------|
| 1.   | EMI Test Receiver       | Rohde & Schwarz    | ESR26     | 101481           | Oct. 22, 2021 | 1 Year        |
| 2.   | Pre-amplifier           | SONOMA             | 310N      | 186860           | Oct. 22, 2021 | 1 Year        |
| 3.   | Bilog Broadband Antenna | Schwarzbeck        | VULB9163  | VULB<br>9163-289 | Oct. 22, 2021 | 2 Year        |
| 4.   | Software Name<br>EZ-EMC | Ferrari Technology | ANB-03A   | N/A              | N/A           | N/A           |

☒ Radiated Emission Test (Above 1GHz)

| Item | Equipment                  | Manufacturer            | Model No.      | Serial No.       | Last Cal.     | Cal. Interval |
|------|----------------------------|-------------------------|----------------|------------------|---------------|---------------|
| 1.   | EMI Test Receiver          | Rohde & Schwarz         | ESR26          | 101481           | Oct. 22, 2021 | 1 Year        |
| 2.   | Bilog Broadband Antenna    | Schwarzbeck             | VULB9163       | VULB<br>9163-289 | Oct. 22, 2021 | 2 Year        |
| 3.   | Pre-amplifier              | SONOMA                  | 310N           | 186860           | Oct. 22, 2021 | 1 Year        |
| 4.   | Software Name<br>EZ-EMC    | Ferrari Technology      | ANB-03A        | N/A              | N/A           | N/A           |
| 5.   | Preamplifier               | SKET Electronic         | BK1G18G30<br>D | KD17503          | Oct. 22, 2021 | 1 Year        |
| 6.   | Double Ridged Horn Antenna | Instruments corporation | GTH-0118       | 351600           | Oct. 22, 2021 | 2 Year        |

## 1.7. Measurement Uncertainty

|                         |   |                           |
|-------------------------|---|---------------------------|
| Radiation               | : | Ur = 4.46 dB (Horizontal) |
| Uncertainty(30MHz-1GHz) | : | Ur = 5.04 dB (Vertical)   |
| Radiation               | : | Ur = 4.92 dB (Horizontal) |
| Uncertainty(1GHz-6GHz)  | : | Ur = 4.92 dB (Vertical)   |
| Conduction Uncertainty  | : | Uc = 3.4 dB               |
| Disturbance Uncertainty | : | Ud = 3.4 dB               |



**1.8. Description of Test Facility**

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

**FCC-Registration No.: 184111**

Shenzhen Anbotech Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111.

**ISED-Registration No.: 8058A**

Shenzhen Anbotech Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

**Test Location**

Shenzhen Anbotech Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518128





## 2. Power Line Conducted Emission Test

### 2.1. Test Standard and Limit

|                |                              |
|----------------|------------------------------|
| Test Standard: | FCC 47 CFR Part 15 Subpart B |
|----------------|------------------------------|

☒ Limits for conducted emission at the AC mains power ports of Class A equipment

| Frequency (MHz) | Limits (dB $\mu$ V) |               |
|-----------------|---------------------|---------------|
|                 | Quasi-peak Level    | Average Level |
| 0.15 ~ 0.50     | 79.0                | 66.0          |
| 0.50 ~ 30.00    | 73.0                | 60.0          |

**Remark:** The lower limit shall apply at the transition frequencies.

☐ Limits for conducted emission at the AC mains power ports of Class B equipment

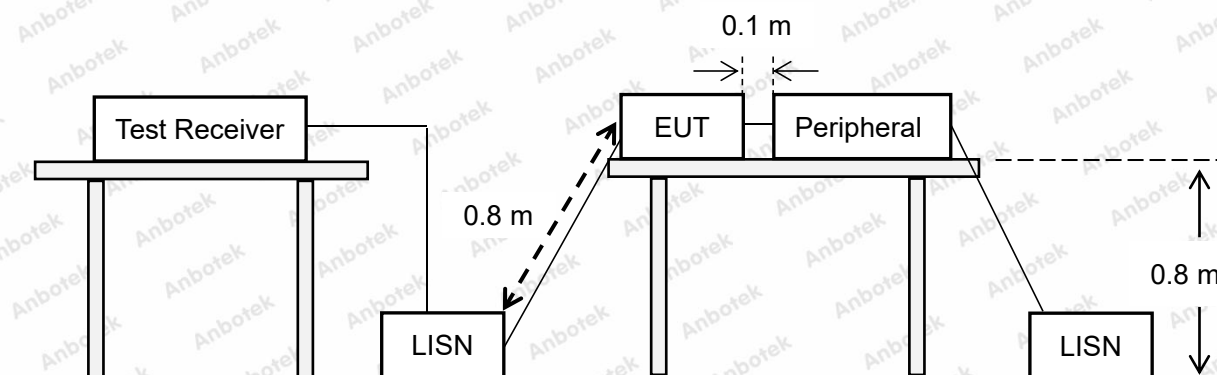
| Frequency (MHz) | Limits (dB $\mu$ V) |               |
|-----------------|---------------------|---------------|
|                 | Quasi-peak Level    | Average Level |
| 0.15 ~ 0.50     | 66.0 ~ 56.0 *       | 56.0 ~ 46.0 * |
| 0.50 ~ 5.00     | 56.0                | 46.0          |
| 5.00 ~ 30.00    | 60.0                | 50.0          |

**Remark:**

(1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

### 2.2. Test Setup



### 2.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane, and the back of the EUT is 0.4 m away from the vertical ground reference plane, and at least 0.8 m from any other metal surface or ground plane. The floor-standing EUT is placed on an insulating support 0.1 m above the horizontal ground reference plate, at least 0.8 m away from other metal objects.

Connect EUT to the power mains through an LISN. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the center into a bundle no longer than 0.4 m, so that its length is shortened to 1 m. All the peripherals are connecting to the other LISN.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest disturbance with respect to the limit was found by investigating disturbances at a number of significant frequencies. The probable frequency of maximum disturbance had been found and that the associated cable and EUT configuration and mode of operation had been identified.

Set the test-receiver to quasi peak detect function and average detect function, and to measure the conducted emissions values.

### 2.4. Test Results

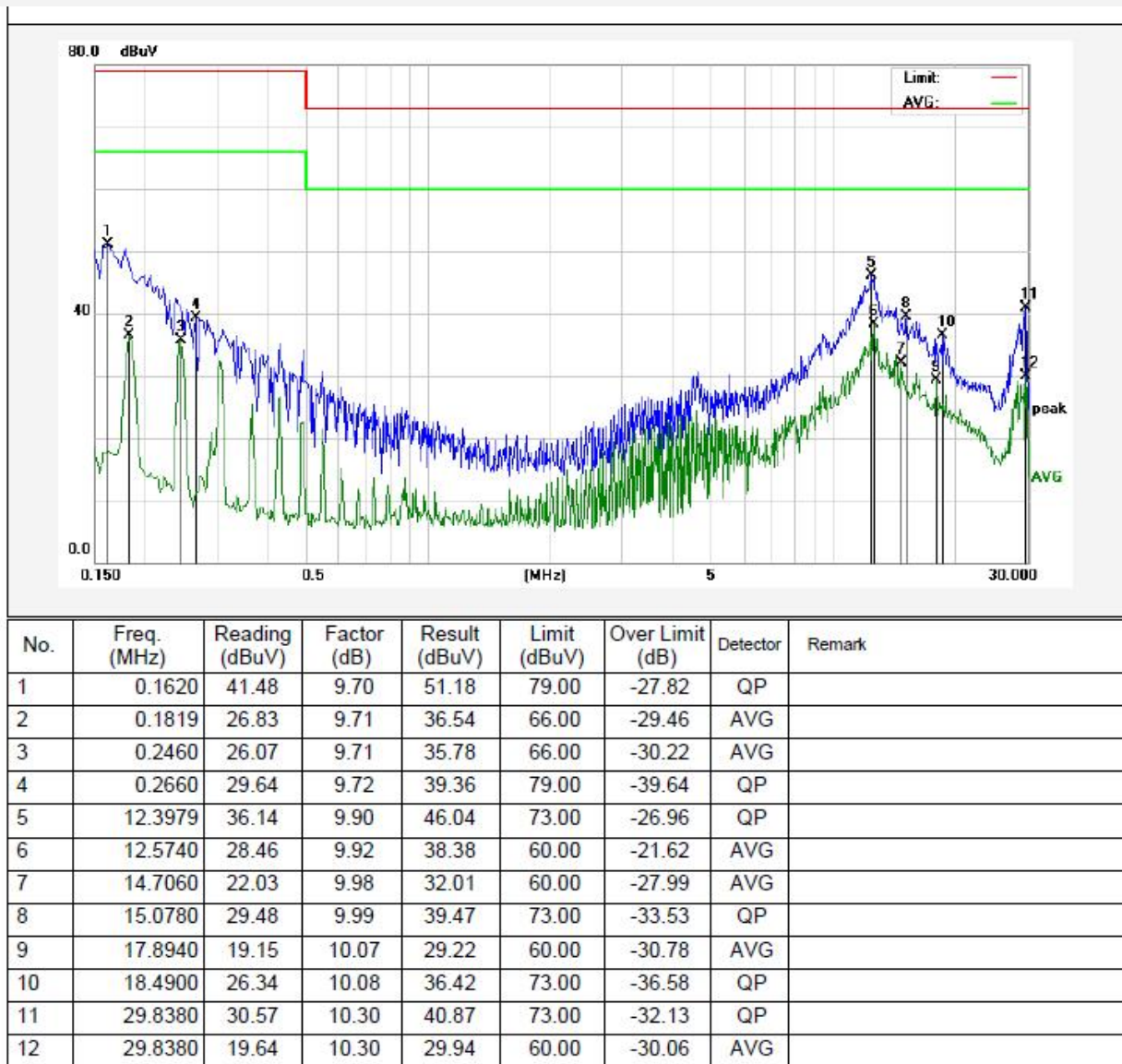
**PASS**

The test curves are shown in the following pages.



## Power Line Conducted Test Data

Test Site: 1# Shielded Room  
Test Specification: AC 120V, 60Hz  
Comment: Live Line  
Temp.: 22.8°C Hum.: 48%



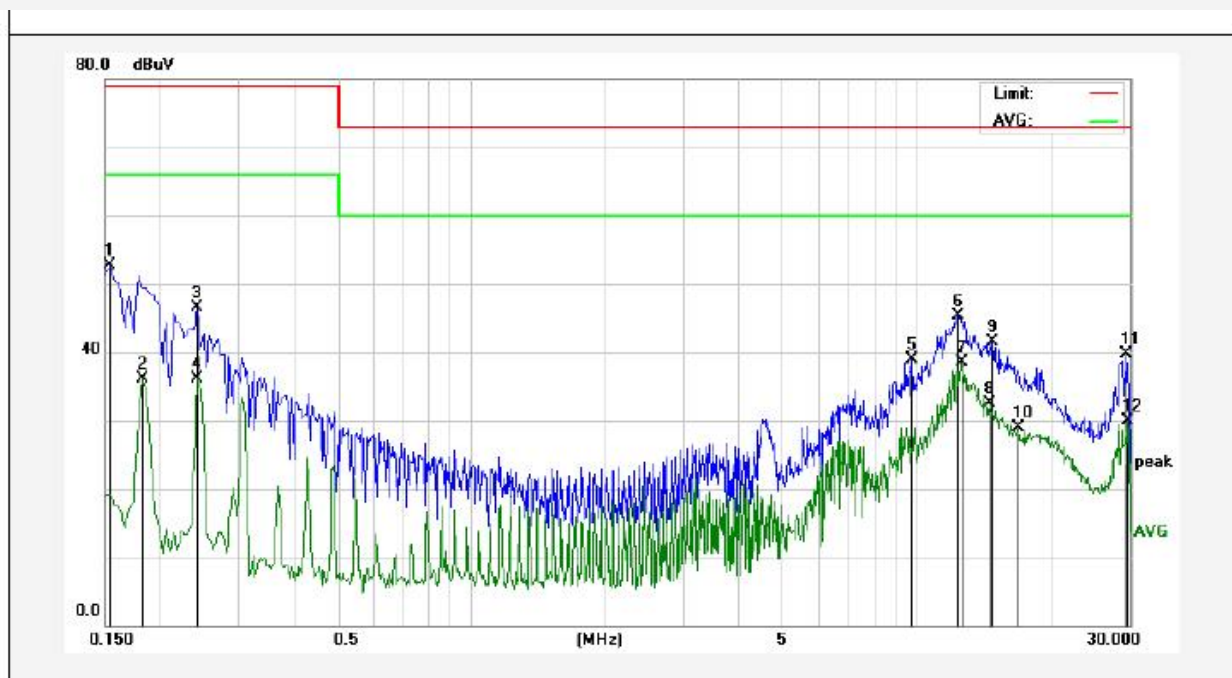
Note: Result = Reading + Factor      Over Limit = Result - Limit





## Power Line Conducted Test Data

Test Site: 1# Shielded Room  
Test Specification: AC 120V, 60Hz  
Comment: Neutral Line  
Temp.: 22.8°C Hum.: 48%



| No. | Freq. (MHz) | Reading (dBuV) | Factor (dB) | Result (dBuV) | Limit (dBuV) | Over Limit (dB) | Detector | Remark |
|-----|-------------|----------------|-------------|---------------|--------------|-----------------|----------|--------|
| 1   | 0.1539      | 42.92          | 9.70        | 52.62         | 79.00        | -26.38          | QP       |        |
| 2   | 0.1819      | 26.39          | 9.71        | 36.10         | 66.00        | -29.90          | AVG      |        |
| 3   | 0.2420      | 36.85          | 9.71        | 46.56         | 79.00        | -32.44          | QP       |        |
| 4   | 0.2420      | 26.37          | 9.71        | 36.08         | 66.00        | -29.92          | AVG      |        |
| 5   | 9.7220      | 29.05          | 9.83        | 38.88         | 73.00        | -34.12          | QP       |        |
| 6   | 12.3340     | 35.49          | 9.90        | 45.39         | 73.00        | -27.61          | QP       |        |
| 7   | 12.5740     | 28.53          | 9.92        | 38.45         | 60.00        | -21.55          | AVG      |        |
| 8   | 14.5900     | 22.50          | 9.98        | 32.48         | 60.00        | -27.52          | AVG      |        |
| 9   | 14.7700     | 31.56          | 9.98        | 41.54         | 73.00        | -31.46          | QP       |        |
| 10  | 16.9020     | 18.88          | 10.04       | 28.92         | 60.00        | -31.08          | AVG      |        |
| 11  | 29.5420     | 29.40          | 10.29       | 39.69         | 73.00        | -33.31          | QP       |        |
| 12  | 29.8380     | 19.59          | 10.30       | 29.89         | 60.00        | -30.11          | AVG      |        |

Note: Result = Reading + Factor    Over Limit = Result - Limit



### 3. Radiated Emission Test (Below 1 GHz)

#### 3.1. Test Standard and Limit

|               |                              |
|---------------|------------------------------|
| Test Standard | FCC 47 CFR Part 15 Subpart B |
|---------------|------------------------------|

☒ Limit for radiated emissions at frequencies up to 1 GHz for class A equipment

| Test Limit | Frequency<br>(MHz) | DISTANCE<br>(Meters) | FIELD STRENGTHS<br>LIMIT |                       |
|------------|--------------------|----------------------|--------------------------|-----------------------|
|            |                    |                      | $\mu\text{V/m}$          | (dB $\mu\text{V/m}$ ) |
|            | 30 ~ 88            | 3                    | 300                      | 49.5                  |
|            | 88 ~ 216           | 3                    | 500                      | 54.0                  |
|            | 216 ~ 960          | 3                    | 700                      | 56.9                  |
|            | 960 ~ 1000         | 3                    | 1000                     | 60.0                  |

**Remark:** (1) Emission level (dB) $\mu\text{V}$  = 20 log Emission level  $\mu\text{V/m}$   
(2) The smaller limit shall apply at the cross point between two frequency bands.  
(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

☐ Limit for radiated emissions at frequencies up to 1 GHz for class B equipment

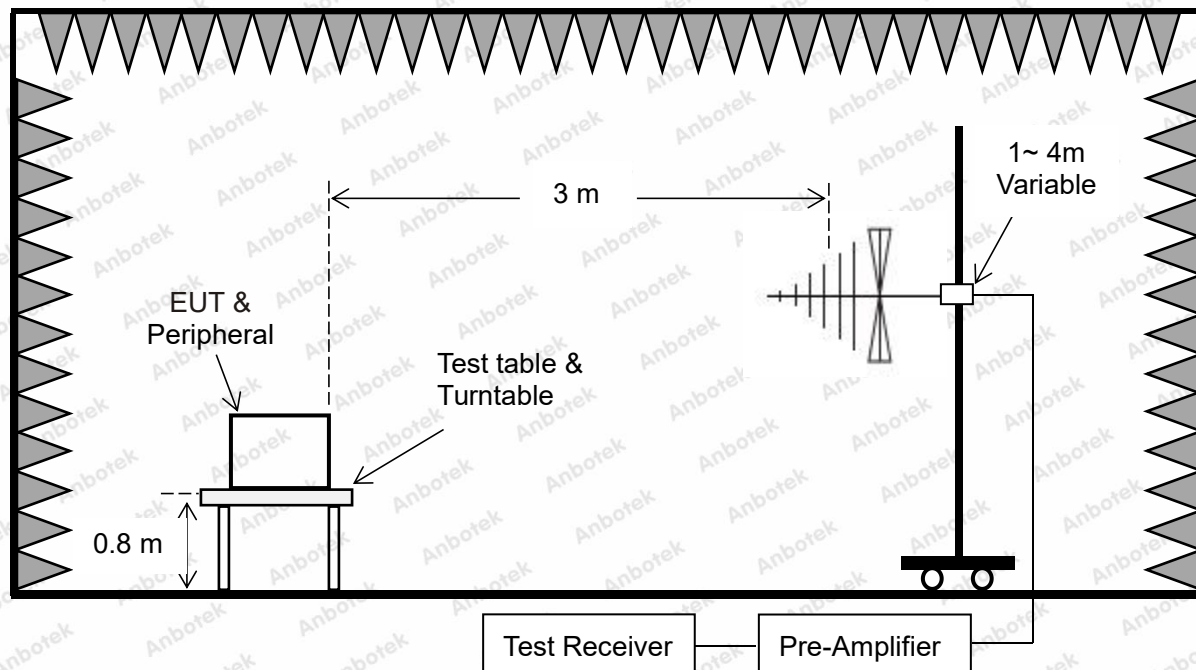
| Test Limit | Frequency<br>(MHz) | DISTANCE<br>(Meters) | FIELD STRENGTHS<br>LIMIT |                       |
|------------|--------------------|----------------------|--------------------------|-----------------------|
|            |                    |                      | $\mu\text{V/m}$          | (dB $\mu\text{V/m}$ ) |
|            | 30 ~ 88            | 3                    | 100                      | 40                    |
|            | 88 ~ 216           | 3                    | 150                      | 43.5                  |
|            | 216 ~ 960          | 3                    | 200                      | 46                    |
|            | 960 ~ 1000         | 3                    | 500                      | 54                    |

**Remark:** (1) Emission level (dB) $\mu\text{V}$  = 20 log Emission level  $\mu\text{V/m}$   
(2) The smaller limit shall apply at the cross point between two frequency bands.  
(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.





### 3.2. Test Setup



### 3.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane. The floor-standing EUT is placed on an insulating support 0.1 m above the horizontal ground reference plane.

The EUT was set 3 m away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 m to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The bandwidth of the Receiver is set at 120 kHz.





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**3.4. Test Results****PASS**

The test curves are shown in the following pages.



Test item: Radiation Test Polarization: Horizontal  
Standard: (RE)FCC 47 CFR Part 15 Subpart B Power Source: AC 120V, 60Hz  
Frequency Range: 30MHz ~ 1000MHz Temp.(°C)/Hum.(%RH): 24.5( °C)/50%RH  
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|-----|-------------|----------------|---------------|-----------------|----------------|-----------------|----------|-------------|--------------|--------|
| 1   | 167.8243    | 57.06          | -23.69        | 33.37           | 53.50          | -20.13          | QP       |             |              |        |
| 2   | 258.3264    | 56.83          | -20.77        | 36.06           | 57.50          | -21.44          | QP       |             |              |        |
| 3   | 300.3672    | 56.58          | -17.15        | 39.43           | 57.50          | -18.07          | QP       |             |              |        |
| 4   | 900.1474    | 48.64          | -6.22         | 42.42           | 57.50          | -15.08          | QP       |             |              |        |
| 5   | 935.5463    | 45.69          | -5.81         | 39.88           | 57.50          | -17.62          | QP       |             |              |        |
| 6   | 965.5421    | 43.48          | -5.36         | 38.12           | 59.50          | -21.38          | QP       |             |              |        |

Note: Result= Reading + Factor Over Limit=Result-Limit



Test item: Radiation Test

Polarization:

Vertical

Standard: (RE)FCC 47 CFR Part 15  
Subpart B

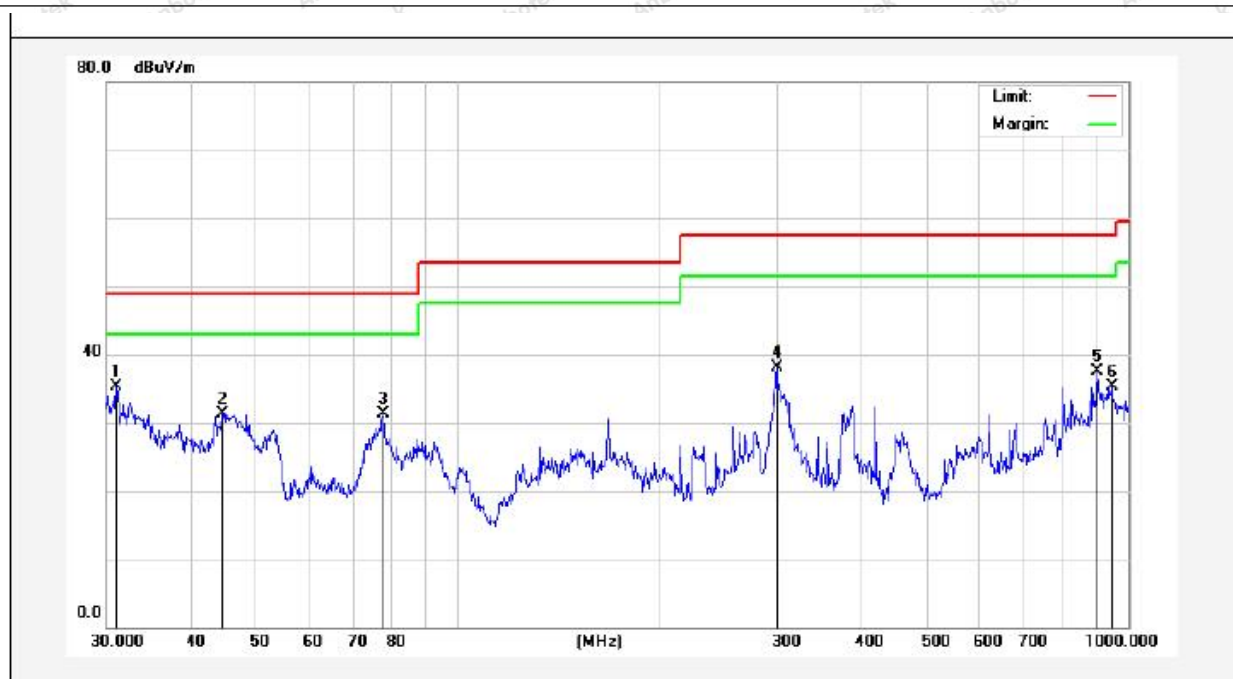
Power Source:

AC 120V, 60Hz

Frequency Range: 30MHz ~ 1000MHz

Temp.(°C)/Hum:(%RH): 24.5( °C)/50%RH

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|-----|-------------|----------------|---------------|-----------------|----------------|-----------------|----------|-------------|--------------|--------|
| 1   | 31.0706     | 53.19          | -17.79        | 35.40           | 49.00          | -13.60          | QP       |             |              |        |
| 2   | 44.7433     | 46.38          | -15.02        | 31.36           | 49.00          | -17.64          | QP       |             |              |        |
| 3   | 77.5928     | 50.86          | -19.59        | 31.27           | 49.00          | -17.73          | QP       |             |              |        |
| 4   | 299.3158    | 54.39          | -16.28        | 38.11           | 57.50          | -19.39          | QP       |             |              |        |
| 5   | 900.1474    | 43.81          | -6.22         | 37.59           | 57.50          | -19.91          | QP       |             |              |        |
| 6   | 945.4399    | 41.01          | -5.69         | 35.32           | 57.50          | -22.18          | QP       |             |              |        |

Note: Result= Reading + Factor    Over Limit=Result-Limit





4. Radiated Emission Test (Above 1GHz)

4.1. Test Standard and Limit

|               |                              |
|---------------|------------------------------|
| Test Standard | FCC 47 CFR Part 15 Subpart B |
|---------------|------------------------------|

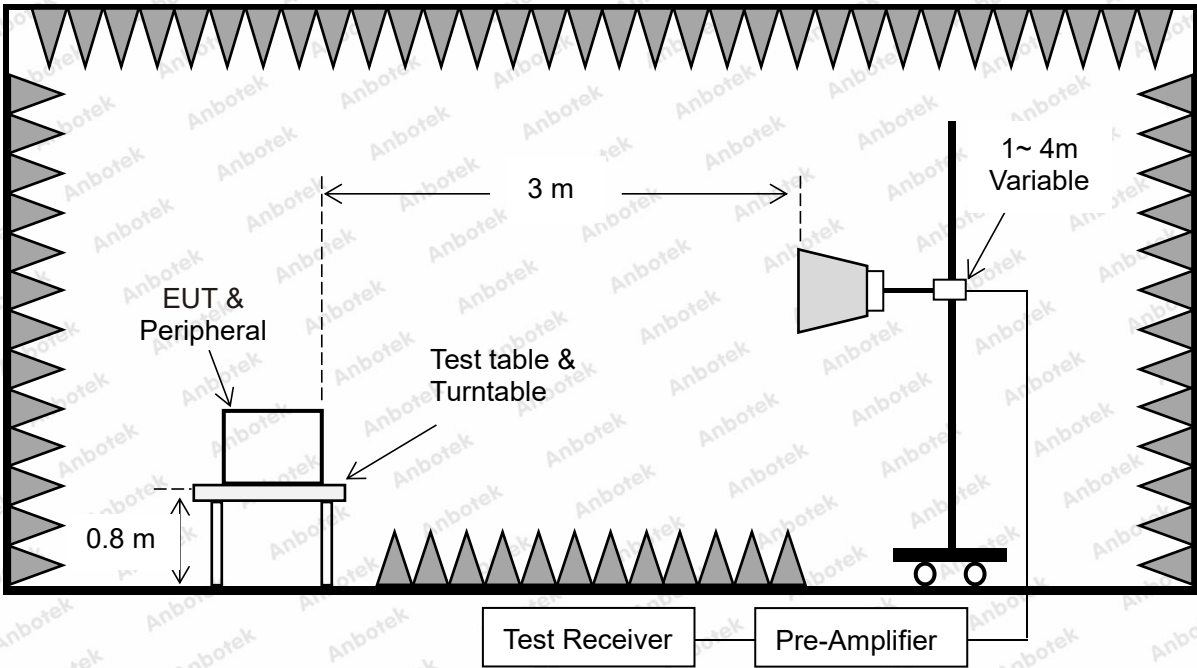
☒ Limit for radiated emissions at frequencies above 1 GHz for class A equipment

| Frequency<br>(MHz) | Distance<br>(Meters) | Field Strengths Limit (dBμV/m) |         |
|--------------------|----------------------|--------------------------------|---------|
|                    |                      | Peak                           | Average |
| 1000 ~ 6000        | 3                    | 79.5                           | 59.5    |
| Remark: N/A        |                      |                                |         |

☐ Limit for radiated emissions at frequencies above 1 GHz for class B equipment

| Frequency<br>(MHz) | Distance<br>(Meters) | Field Strengths Limit (dBμV/m) |         |
|--------------------|----------------------|--------------------------------|---------|
|                    |                      | Peak                           | Average |
| 1000 ~ 6000        | 3                    | 74                             | 54      |
| Remark: N/A        |                      |                                |         |

4.2. Test Setup



### 4.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane. The floor-standing EUT is placed on an insulating support 0.1 m above the horizontal ground reference plane.

The EUT was set 3 m away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 m to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The test receiver is set to peak and average detects function.

The bandwidth of the test receiver is set at 1MHz.

### 4.4. Test Results

PASS

The test curves are shown in the following pages.



Test item: Radiation Test Polarization: Horizontal  
Standard: (RE)FCC 47 CFR Part 15 Power Source: AC 120V, 60Hz  
Subpart B  
Frequency Range: 1GHz ~ 6GHz Temp.(°C)/Hum.(%RH): 24.5( °C)/50%RH  
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|-----|-------------|----------------|---------------|-----------------|----------------|-----------------|----------|-------------|--------------|--------|
| 1   | 1168.689    | 72.78          | -27.41        | 45.37           | 79.50          | -34.13          | peak     |             |              |        |
| 2   | 1168.689    | 56.60          | -27.41        | 29.19           | 59.50          | -30.31          | AVG      |             |              |        |
| 3   | 2122.382    | 72.57          | -24.96        | 47.61           | 79.50          | -31.89          | peak     |             |              |        |
| 4   | 2122.382    | 60.32          | -24.96        | 35.36           | 59.50          | -24.14          | AVG      |             |              |        |
| 5   | 2393.093    | 69.56          | -24.43        | 45.13           | 79.50          | -34.37          | peak     |             |              |        |
| 6   | 2393.093    | 54.70          | -24.43        | 30.27           | 59.50          | -29.23          | AVG      |             |              |        |
| 7   | 2781.790    | 73.15          | -23.52        | 49.63           | 79.50          | -29.87          | peak     |             |              |        |
| 8   | 2781.790    | 60.31          | -23.52        | 36.79           | 59.50          | -22.71          | AVG      |             |              |        |
| 9   | 2909.231    | 72.52          | -22.87        | 49.65           | 79.50          | -29.85          | peak     |             |              |        |
| 10  | 2909.231    | 57.23          | -22.87        | 34.36           | 59.50          | -25.14          | AVG      |             |              |        |
| 11  | 4253.498    | 66.71          | -19.01        | 47.70           | 79.50          | -31.80          | peak     |             |              |        |
| 12  | 4253.498    | 52.90          | -19.01        | 33.89           | 59.50          | -25.61          | AVG      |             |              |        |

Note: Result=Reading + Factor Over Limit=Result - Limit





Test item: Radiation Test

Polarization:

Vertical

Standard: (RE)FCC 47 CFR Part 15  
Subpart B

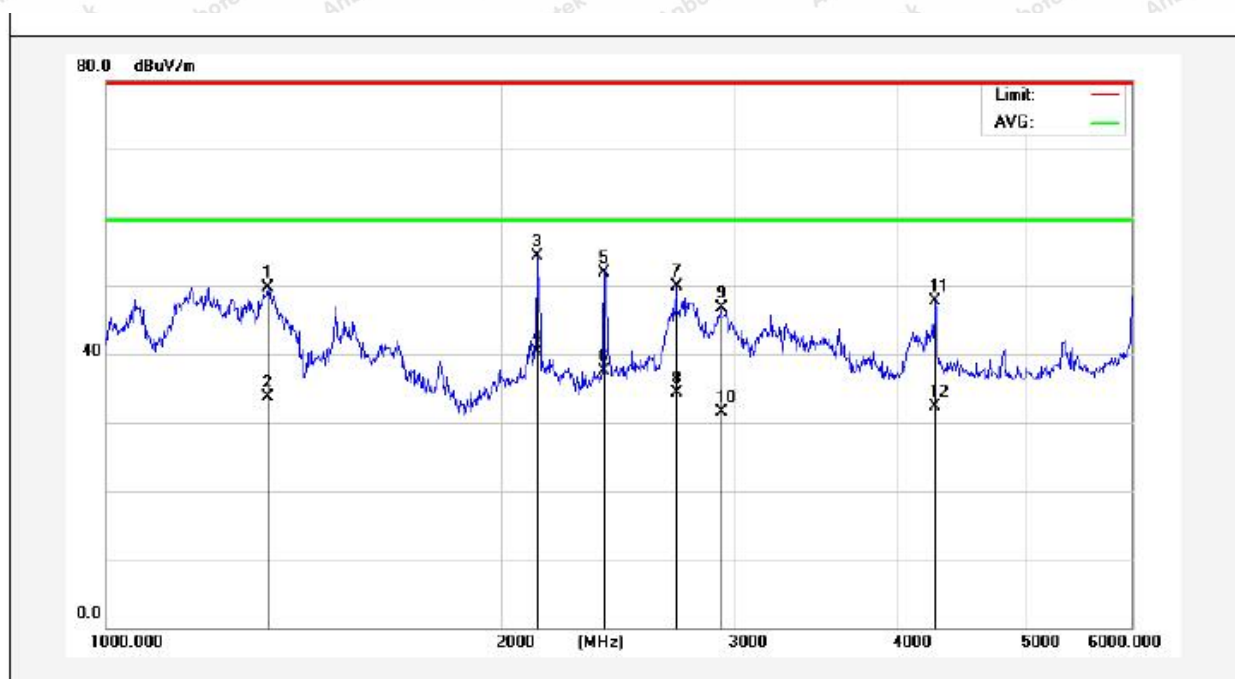
Power Source:

AC 120V, 60Hz

Frequency Range: 1GHz ~ 6GHz

Temp.(°C)/Hum.(%RH): 24.5( °C)/50%RH

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|-----|-------------|----------------|---------------|-----------------|----------------|-----------------|----------|-------------|--------------|--------|
| 1   | 1327.235    | 76.79          | -27.06        | 49.73           | 79.50          | -29.77          | peak     |             |              |        |
| 2   | 1327.235    | 60.80          | -27.06        | 33.74           | 59.50          | -25.76          | AVG      |             |              |        |
| 3   | 2122.382    | 79.29          | -24.96        | 54.33           | 79.50          | -25.17          | peak     |             |              |        |
| 4   | 2122.382    | 65.28          | -24.96        | 40.32           | 59.50          | -19.18          | AVG      |             |              |        |
| 5   | 2388.809    | 76.43          | -24.44        | 51.99           | 79.50          | -27.51          | peak     |             |              |        |
| 6   | 2388.809    | 62.00          | -24.44        | 37.56           | 59.50          | -21.94          | AVG      |             |              |        |
| 7   | 2708.021    | 73.53          | -23.69        | 49.84           | 79.50          | -29.66          | peak     |             |              |        |
| 8   | 2708.021    | 57.92          | -23.69        | 34.23           | 59.50          | -25.27          | AVG      |             |              |        |
| 9   | 2930.156    | 69.40          | -22.75        | 46.65           | 79.50          | -32.85          | peak     |             |              |        |
| 10  | 2930.156    | 54.21          | -22.75        | 31.46           | 59.50          | -28.04          | AVG      |             |              |        |
| 11  | 4261.126    | 66.65          | -18.99        | 47.66           | 79.50          | -31.84          | peak     |             |              |        |
| 12  | 4261.126    | 51.35          | -18.99        | 32.36           | 59.50          | -27.14          | AVG      |             |              |        |

Note: Result=Reading + Factor    Over Limit=Result - Limit







Photo of Radiated Emission Test (Below 1 GHz)

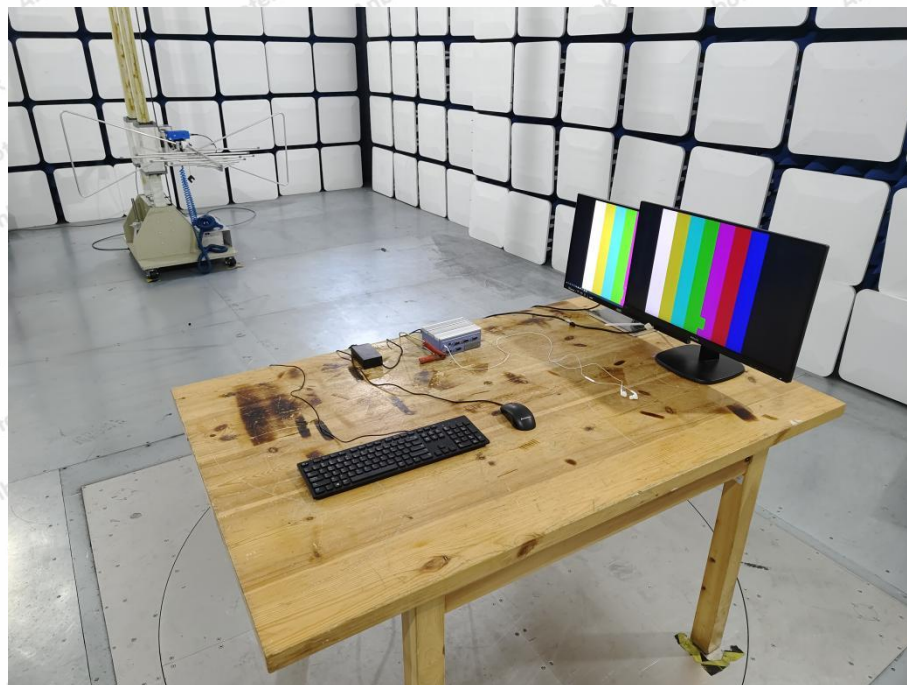
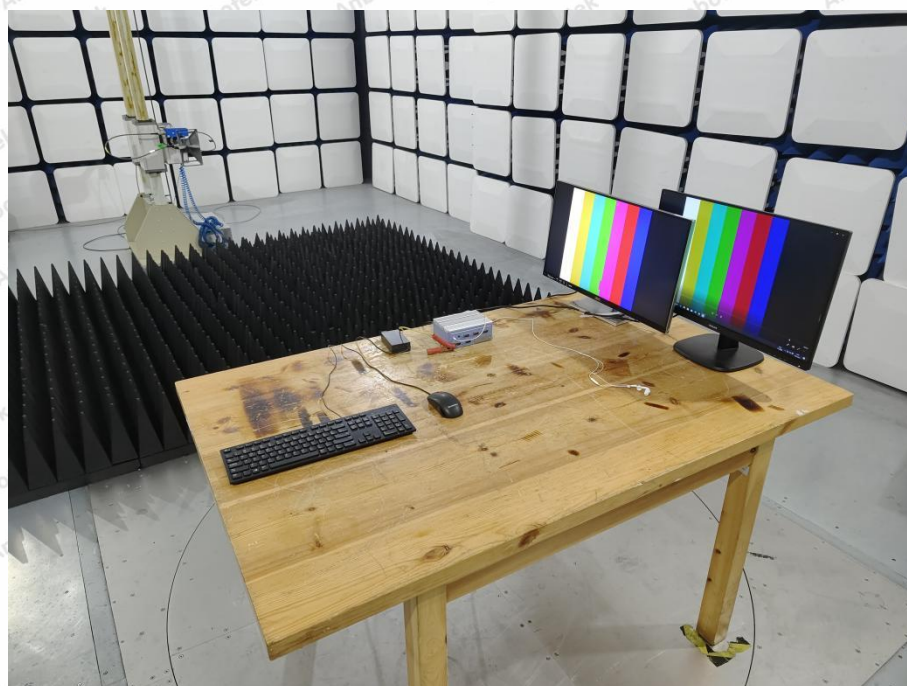


Photo of Radiated Emission Test (Above 1GHz)



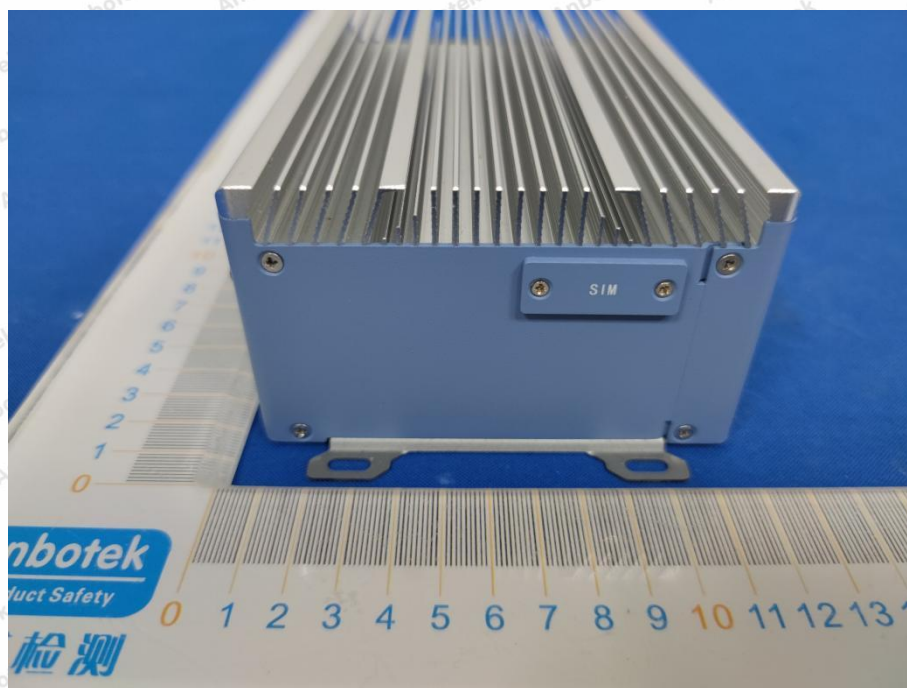


## APPENDIX II -- EXTERNAL PHOTOGRAPH













**APPENDIX III -- INTERNAL PHOTOGRAPH**

----- End of Report -----

