# TEST REPORT

## CERTIFICATE OF CONFORMITY

| | |
|---|---|
| **Standard:** | **ICES-003:2020 Issue 7, Class A**<br>**ICES-Gen:2018 Issue 1 +A1:2021**<br>**ANSI C63.4-2014 amended as per ANSI C63.4a-2017** |
| **Report No.:** | CIBDAS-WTW-P22050452 |
| **Model No.:** | ODS-UHT |
| **Received Date:** | 2022/5/13 |
| **Test Date:** | 2022/5/26 ~ 2022/8/1 |
| **Issued Date:** | 2022/9/26 |
| **Applicant:** | Radware Ltd. |
| **Address:** | 22 Raoul Wallenberg St, Tel Aviv 6971917, Israel |
| **Issued By:** | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch<br>Lin Kou Laboratories |
| **Lab Address:** | No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan |
| **Test Location:** | No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan |

**Approved by:** _____ , **Date:** **2022/9/26**

Ace Wu / Project Engineer

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**Prepared by :** Jessie Kuo / Specialist

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# Release Control Record

| Issue No. | Description | Date Issued |
|---|---|---|
| CIBDAS-WTW-P22050452 | Original release. | 2022/9/26 |

# 1 Certificate

| | |
|---|---|
| **Product:** | Network Switch |
| **Brand:** | RADWARE or radware |
| **Test Model:** | ODS-UHT |
| **Sample Status:** | Engineering sample |
| **Applicant:** | Radware Ltd. |
| **Test Date:** | 2022/5/26 ~ 2022/8/1 |
| **Standard:** | ICES-003:2020 Issue 7, Class A<br>ICES-Gen:2018 Issue 1 +A1:2021<br>ANSI C63.4-2014 amended as per ANSI C63.4a-2017 |

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

## 2 Summary of Test Results

The test items that the EUT need to perform in accordance with its interfaces, evaluated functions, are as follows:

| Standard | Test Item | Result | Remark |
|---|---|---|---|
| ICES-003 | Conducted Emissions from Power Ports | Pass | Minimum passing Class A margin is -4.60 dB at 0.60200 MHz |
| ICES-003 | Radiated Emissions up to 1 GHz | Pass | Minimum passing Class A margin is -3.20 dB at 30.44 MHz |
| ICES-003 | Radiated Emissions above 1 GHz | Pass | Minimum passing Class A margin is -2.17 dB at 26562.36 MHz |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| Measurement | Specification | Expanded Uncertainty (k=2) (±) | Maximum allowable uncertainty (±) |
|---|---|---|---|
| Conducted Emissions from Power Ports | 150 kHz ~ 30 MHz | 2.79 dB | 3.4 dB ($U_{cispr}$) |
| Radiated Emissions up to 1 GHz | 30 MHz ~ 1 GHz | 4.14 dB | 6.3 dB ($U_{cispr}$) |
| Radiated Emissions above 1 GHz | 1 GHz ~ 6 GHz | 5.04 dB | 5.2 dB ($U_{cispr}$) |
| | 6 GHz ~ 18 GHz | 4.94 dB | 5.5 dB ($U_{cispr}$) |

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

### 2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

# 3 General Information

## 3.1 Description of EUT

| | |
|---|---|
| Product | Network Switch |
| Brand | RADWARE or radware |
| Test Model | ODS-UHT |
| Status of EUT | Engineering sample |
| Operating Software | N/A |
| EUT Power Input Rating | 100-127 / 200-240Vac or -48 - -60Vdc |
| Power Supply | AC Power, ARTESYN, CSU-2000AP-3-100<br>DC Power, Delta, DPS-1600AB-XX (X=0-9,A-Z or blank) |
| Accessory Device | N/A |
| Data Cable Supplied | N/A |

## 3.2 Primary Clock Frequencies of Internal Source

The highest frequency generated or used within the EUT or on which the EUT operates or tunes is 26.5625 GHz, provided by Radware Ltd., for detailed internal source, please refer to the manufacturer's specifications.

## 3.3 Features of EUT

The tests reported herein were performed according to the method specified by Radware Ltd., for detailed feature description, please refer to the manufacturer's specifications or user's manual.
Please refer to appendix of the report if the applicant has provided additional descriptions of the EUT.

### 3.4 Operating Modes of EUT and Determination of Worst Case Operating Mode

The EUT has been pre-tested under following test modes.

| Test Condition | |
|---|---|
| Mode | Conducted Emission |
| 1 | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + DC PSU (Dual power) |
| 2 | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + AC PSU (Dual power) |
| Note:<br>1. There are both DC -48V and DC -60V to be pre-tested then DC -60V has the highest emission value.<br>2. There are both AC 120V/60Hz and AC 240V/600Hz to be pre-tested then AC 240VHz has the highest emission value. | |
| Mode | Radiated Emissions up to 1 GHz |
| **1** | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + AC PSU (Dual power) |
| 2 | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + DC PSU (Dual power) |
| Note:<br>There are both AC 120V/60Hz, AC 240V/60Hz and DC -48V, DC -60V to be pre-tested then AC 240V/60Hz has the highest emission value. | |

Test modes are presented in the report as below.

| Test Condition | |
|---|---|
| Mode | Conducted Emission |
| A | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + AC PSU (Dual power) |
| B | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + DC PSU (Dual power) |
| Mode | Radiated Emissions up to 1 GHz |
| A | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + AC PSU (Dual power) |
| B | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + DC PSU (Dual power) |
| Mode | Radiated Emissions above 1 GHz |
| A | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + AC PSU (Dual power) |
| B | EUT + 400G Transceiver Loop + 100G Transceiver Loop + LAN 1Gbps Loop + USB with Flash R/W + Console + DC PSU (Dual power) |

### 3.5 Test Program Used and Operation Descriptions

Mode A

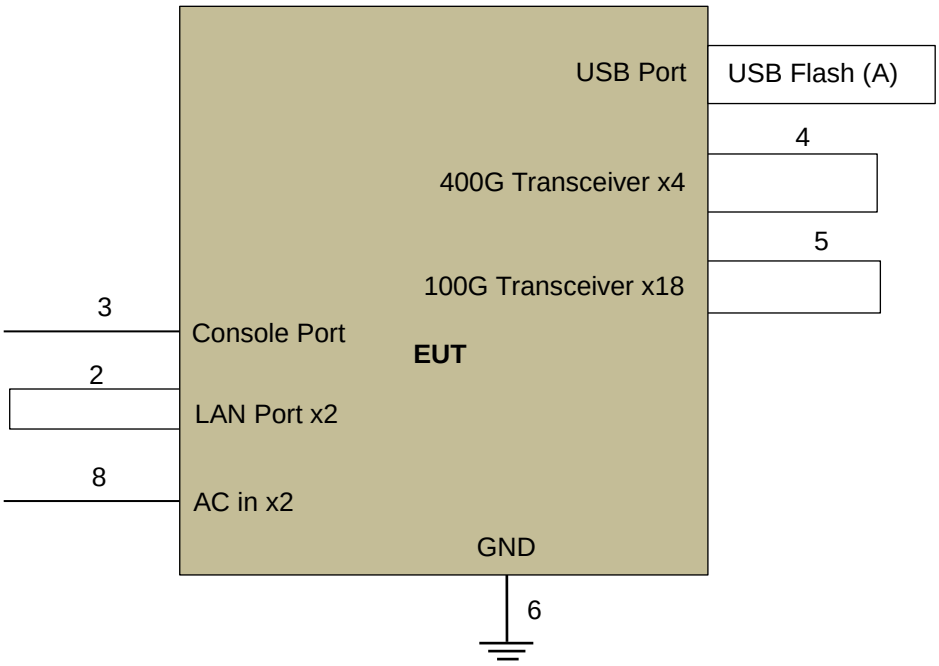
a. The EUT was charged from AC Power source.
b. The EUT's fiber optic cable and LAN cable have their own loops.
c. The EUT read and wrote data with Flash.

Mode B

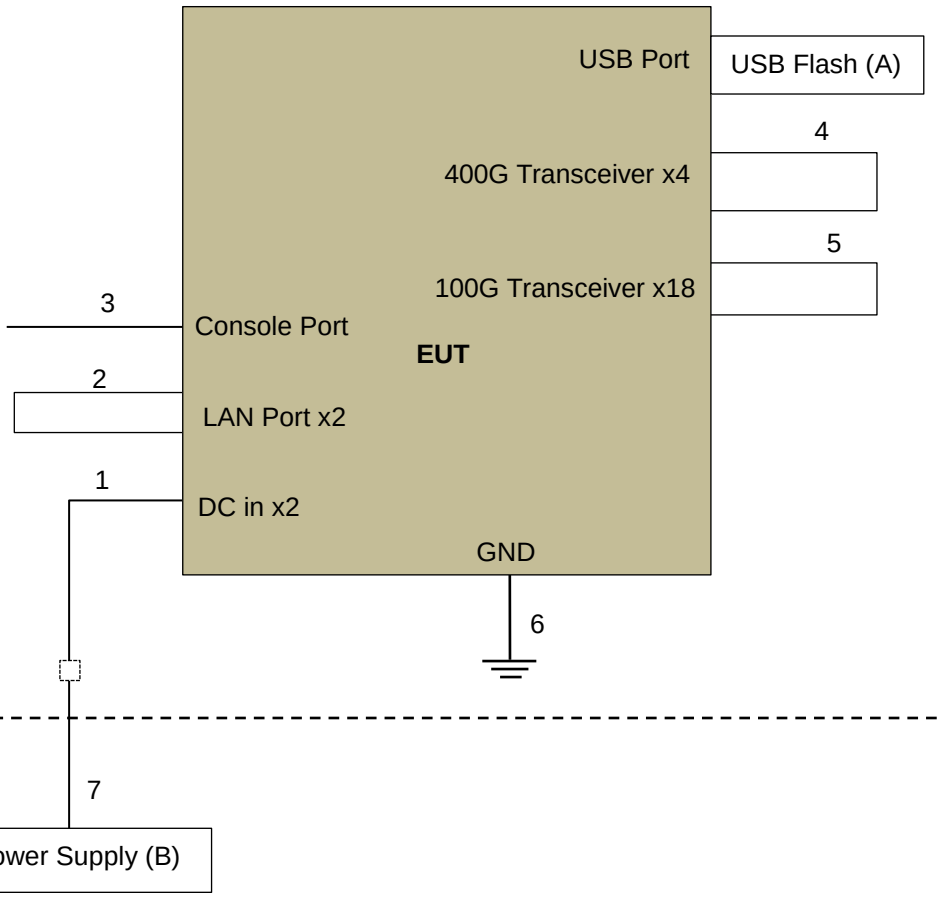
a. The EUT was charged from DC Power source.
b. The EUT's fiber optic cable and LAN cable have their own loops.
c. The EUT read and wrote data with Flash.

### 3.6 Connection Diagram of EUT and Peripheral Devices

Mode A




Mode B



### 3.7 Configuration of Peripheral Devices and Cable Connections

| ID | Product | Brand | Model No. | Serial No. | FCC ID | Remarks |
|---|---|---|---|---|---|---|
| A | USB Flash | Cruzer Blade 16GB | SDCZ50-016G | N/A | N/A | Supplied by applicant |
| B | DC Power Supply | Inspower | DC60-60D | 212005 | N/A | -- |

| ID | Cable Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks |
|---|---|---|---|---|---|---|
| 1 | DC Power Cable | 2 | 3 | No | 0 | Supplied by applicant |
| 2 | LAN Cable | 1 | 2 | Yes | 0 | RJ45 Cat.5e,Supplied by applicant |
| 3 | Console Cable | 1 | 1 | No | 0 | Supplied by applicant |
| 4 | 400G Fiber Cable | 2 | 1 | No | 0 | Supplied by applicant |
| 5 | 100G Fiber Cable | 9 | 1 | No | 0 | Supplied by applicant |
| 6 | GND Cable | 1 | 2 | No | 0 | Supplied by applicant |
| 7 | DC Power Cable | 2 | 10 | No | 0 | -- |
| 8 | Power Cable | 2 | 1.8 | No | 0 | -- |

# 4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

## 4.1 Conducted Emissions from Power Ports

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| DC-LISN<br>SCHWARZBECK MESS-ELETRONIK | NNBM 8126G | 8126G-069 | 2021/11/10 | 2022/11/9 |
| LISN<br>R&S | ESH2-Z5 | 100100 | 2022/2/17 | 2023/2/16 |
| | ESH3-Z5 | 100312 | 2021/9/17 | 2022/9/16 |
| RF Coaxial Cable<br>WORKEN | 5D-FB | Cable-cond2-01 | 2021/9/4 | 2022/9/3 |
| Software<br>BVADT | BVADT_Cond_<br>V7.3.7.4 | N/A | N/A | N/A |
| Test Receiver<br>R&S | ESR3 | 102783 | 2021/12/20 | 2022/12/19 |
| V-LISN<br>Schwarzbeck | NNBL 8226-2 | 8226-142 | 2021/8/20 | 2022/8/19 |

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2022/7/29.

## 4.2 Radiated Emissions up to 1 GHz

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| Antenna Tower (H) | MFA-440 | 970705 | N/A | N/A |
| Antenna Tower (V) | MFA-440 | 9707 | N/A | N/A |
| Bi_Log Antenna<br>Schwarbeck | VULB9168 | 9168-148 | 2021/10/19 | 2022/10/18 |
| | | 9168-156 | 2021/10/19 | 2022/10/18 |
| Controller (H) | MF7802 | 08093 | N/A | N/A |
| Controller (V) | MF7802 | 074 | N/A | N/A |
| Pre_Amplifier<br>Sonoma | 310N | 352924 | 2022/5/14 | 2023/5/13 |
| | | 352923 | 2022/5/14 | 2023/5/13 |
| RF Coaxial Cable<br>TIMES | LMR-600(18M)+LMR-400 (7M) | CABLE-CH1(VER)-01 | 2021/9/4 | 2022/9/3 |
| | LMR-600(11.8M)+LMR-400 (7M) | CABLE-CH1(HOR)-01 | 2021/9/4 | 2022/9/3 |
| Software | ADT_Radiated_V8.7.08 | N/A | N/A | N/A |
| Test Receiver ESR7<br>R&S | ESR | 101240 | 2021/11/3 | 2022/11/2 |
| | | 101264 | 2022/4/11 | 2023/4/10 |
| Turn Table | DS430 | 50303 | N/A | N/A |

Notes:

1. The test was performed in HY - 10M Chamber.
2. The test site validated date: 2021/8/07 (NSA)
3. Tested Date: 2022/5/26.

### 4.3 Radiated Emissions above 1 GHz

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| Antenna Tower<br>BVADT | AT100 | AT93021702 | N/A | N/A |
| BandPass Filter<br>MICRO-TRONICS | BRM17690-01 | 003 | 2021/9/4 | 2022/9/3 |
| | BRM50716-01 | G011 | 2021/9/4 | 2022/9/3 |
| Controller<br>BVADT | SC100 | SC93021702 | N/A | N/A |
| Fix tool for Boresight antenna tower<br>BV | BAF-01 | 2 | N/A | N/A |
| Horn Antenna<br>Schwarzbeck | BBHA 9120D | 9120D-405 | 2021/11/14 | 2022/11/13 |
| Pre-Ammlifier<br>Agilent | 8449B | 3008A01961 | 2021/9/4 | 2022/9/3 |
| RF Coaxial Cable<br>EMCI | EMC102-KM-KM-1000 | 170820 | 2022/1/15 | 2023/1/14 |
| RF Coaxial Cable<br>Rosnol | K1K50-UP0279-K1K50-3000 | 181129-2 | 2022/1/15 | 2023/1/14 |
| RF Coaxial Cable<br>ATK+EMC | JUNFLON+EMC104-SM-SM-6000 | Cable-CH2-02(MWX3221308G003+130710) | 2022/1/15 | 2023/1/14 |
| Software<br>BVADT | ADT_Radiated_V8.7.08 | N/A | N/A | N/A |
| Spectrum Analyzer<br>Agilent | E4446A | MY51100039 | 2021/12/7 | 2022/12/6 |
| Turn Table<br>BVADT | TT100 | TT93021702 | N/A | N/A |

Notes:

1. The test was performed in HY - 966 chamber 1.
2. The test site validated date: 2022/1/8 (VSWR)
3. Tested Date: 2022/5/31 & 2022/8/1.

# 5 Limits of Test Items

## 5.1 Conducted Emissions from Power Ports

| Frequency (MHz) | Class A (dBuV) | | Class B (dBuV) | |
|---|---|---|---|---|
| | Quasi-peak | Average | Quasi-peak | Average |
| 0.15 - 0.5 | 79 | 66 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 73 | 60 | 56 | 46 |
| 5.0 - 30.0 | 73 | 60 | 60 | 50 |

Notes: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

## 5.2 Radiated Emissions up to 1 GHz

| Frequency range (MHz) | Class A (3 m) Quasi-peak dBµV/m | Class A (10 m) Quasi-peak dBµV/m | Class B (3 m) Quasi-peak dBµV/m | Class B (10 m) Quasi-peak dBµV/m |
|---|---|---|---|---|
| 30-88 | 50.0 | 40.0 | 40.0 | 30.0 |
| 88-216 | 54.0 | 43.5 | 43.5 | 33.1 |
| 216-230 | 56.9 | 46.4 | 46.0 | 35.6 |
| 230-960 | 57.0 | 47.0 | 47.0 | 37.0 |
| 960-1000 | 60.0 | 49.5 | 54.0 | 43.5 |

Notes: 1. The lower limit shall apply at the transition frequencies.

## 5.3 Radiated Emissions above 1 GHz

Required highest measurement frequency

| **Highest internal frequency (*FX*)** | **Highest measurement frequency (*FM*)** (GHz) |
|---|---|
| ***FX*** *≤ 108 MHz* | 1 |
| 108 MHz < ***FX*** ≤ 500 MHz | 2 |
| 500 MHz < ***FX*** ≤ 1 GHz | 5 |
| ***FX*** *> 1 GHz* | 5 x ***FX*** up to a maximum of 40 GHz |
| ***FX*** is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test. | |

| Radiated Emissions Limits at 3 meters (dBµV/m) | | |
|---|---|---|
| Frequency range (GHz) | Class A | Class B |
| 1 –***FM*** | Avg: 60<br>Peak: 80 | Avg: 54<br>Peak: 74 |

Notes: 1. These limit levels apply for a measurement distance of 3 m. If using a different measurement distance, the measured levels shall be extrapolated to the 3 m limit distance using a factor of 20 dB per decade of distance. The measurement distance shall place the measurement antenna in the far field of the ITE or digital apparatus under test.

At and above 1 GHz, if the ITE or digital apparatus is an outdoor unit of home satellite receiving systems, it shall comply with the limits in Table A.7 in clause A.2 of CAN/CSA-CISPR 32:17 (in Annex A therein). For these types of ITE or digital apparatus, the highest measurement frequency shall be 18 GHz.

# 6 Test Arrangements

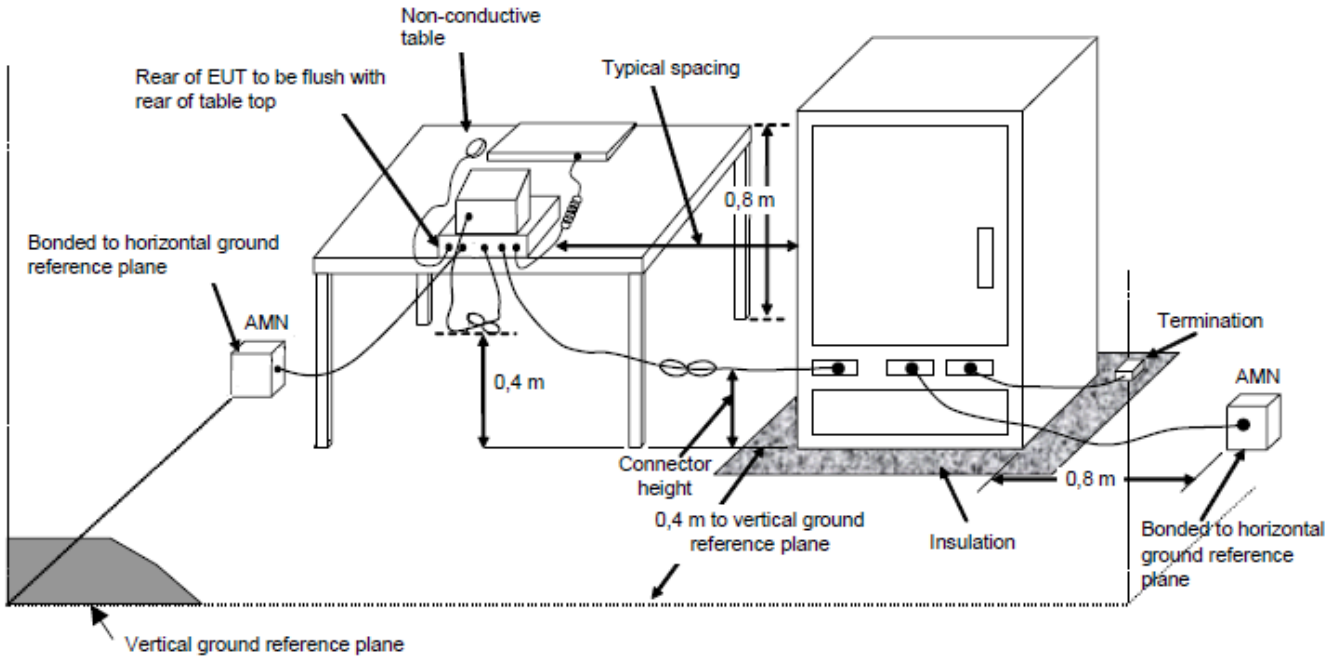
## 6.1 Conducted Emissions from Power Ports

a. For the table-top EUT is placed on a 0.8 meter to the top of rotating table; for the the floor standing EUT shall be insulated (by insulation of 12 mm) from the horizontal reference ground plane. The EUT is placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units are connected to the power mains through another LISN. They provide coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The test results of conducted emissions at mains ports are recorded of six worst margins for quasi-peak (mandatory) [and average (if necessary)] values against the limits at frequencies of interest unless the margin is 20 dB or greater.

Note: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

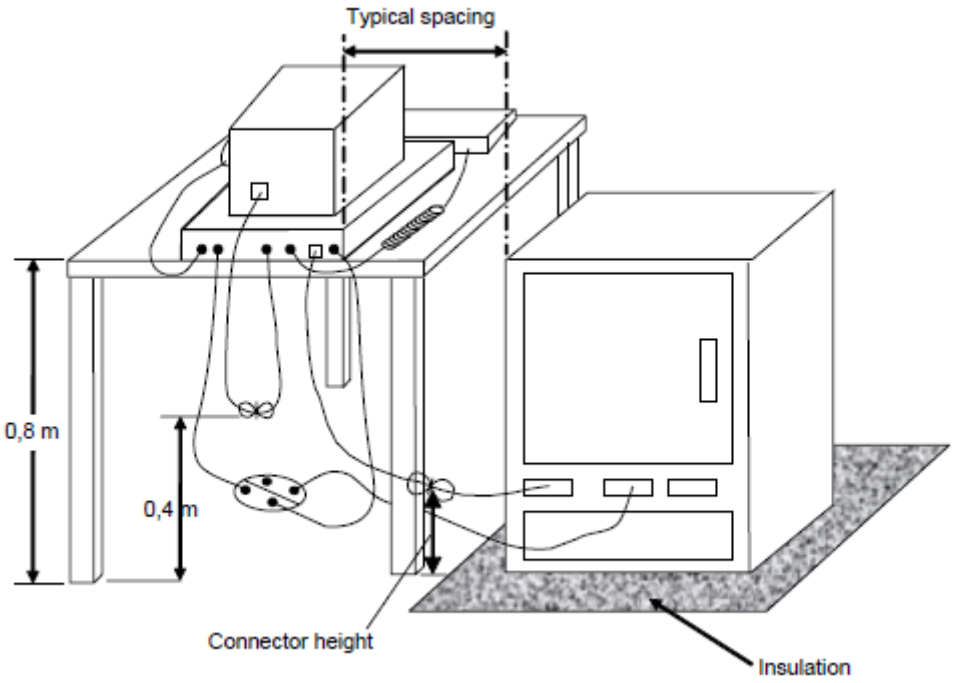



For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

## 6.2 Radiated Emissions up to 1 GHz

a. For the table-top EUT is placed on a 0.8 meter to the top of rotating table; for the the floor standing EUT shall be insulated (by insulation of 12 mm) from the horizontal reference ground plane. The rotating table is rotated 360 degrees to determine the position of the highest radiation. If the equipment requires a dedicated ground connection, this shall be provided and bonded to the RGP.
b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is up to 1 GHz.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency up to 1GHz.

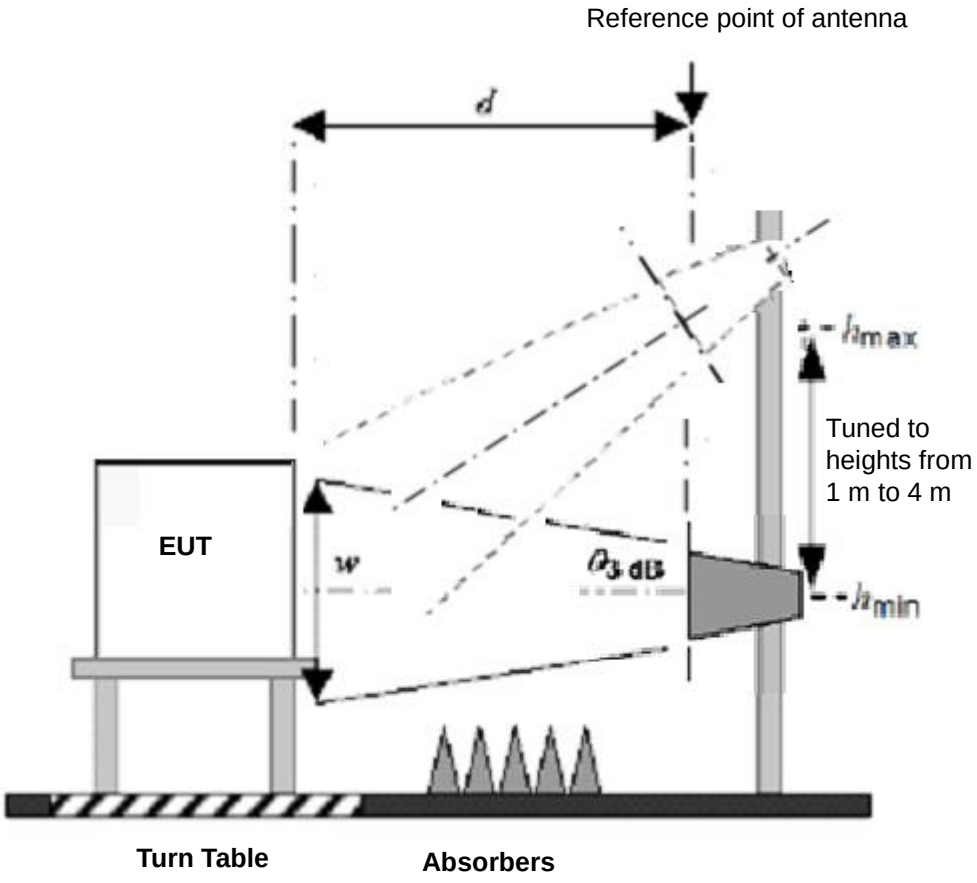



For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

### 6.3 Radiated Emissions above 1 GHz

a. For the table-top EUT is placed on a 0.8 meter to the top of rotating table; for the the floor standing EUT shall be insulated (by insulation of 12 mm) from the horizontal reference ground plane. The rotating table is rotated 360 degrees to determine the position of the highest radiation. If the equipment requires a dedicated ground connection, this shall be provided and bonded to the RGP.
b. The EUT was set *d* = 3 meters for 1 GHz to 18 GHz and *d* = 1.5 meters for 18 GHz to 40 GHz away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The spectrum analyzer system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.

Note: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection (PK) at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz for Average detection (AV) at frequency above 1GHz.




For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

# 7 Test Results of Test Item

## 7.1 Conducted Emissions from Power Ports

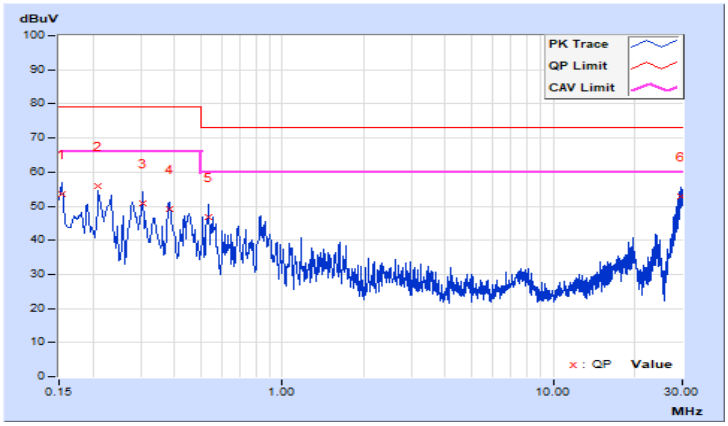
**Mode A**

| | | | |
|---|---|---|---|
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9kHz |
| **Input Power** | 240 Vac, 60 Hz | **Environmental Conditions** | 27°C, 75% RH |
| **Tested by** | Jim Lee | | |

| Phase Of Power : Line (L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.15400 | 10.26 | 43.13 | 35.67 | 53.39 | 45.93 | 79.00 | 66.00 | -25.61 | -20.07 |
| 2 | 0.21000 | 10.24 | 45.67 | 36.89 | 55.91 | 47.13 | 79.00 | 66.00 | -23.09 | -18.87 |
| 3 | 0.30600 | 10.23 | 40.57 | 30.80 | 50.80 | 41.03 | 79.00 | 66.00 | -28.20 | -24.97 |
| 4 | 0.38200 | 10.23 | 39.03 | 30.73 | 49.26 | 40.96 | 79.00 | 66.00 | -29.74 | -25.04 |
| 5 | 0.53400 | 10.24 | 36.43 | 27.59 | 46.67 | 37.83 | 73.00 | 60.00 | -26.33 | -22.17 |
| 6 | 29.55000 | 22.49 | 30.41 | 24.04 | 52.90 | 46.53 | 73.00 | 60.00 | -20.10 | -13.47 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

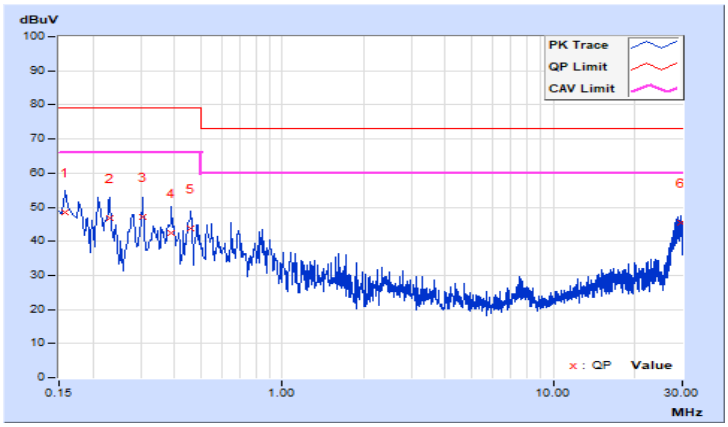


| | | | |
|---|---|---|---|
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9kHz |
| **Input Power** | 240 Vac, 60 Hz | **Environmental Conditions** | 27°C, 75% RH |
| **Tested by** | Jim Lee | | |

| **Phase Of Power : Neutral (N)** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.15800 | 10.28 | 38.31 | 26.62 | 48.59 | 36.90 | 79.00 | 66.00 | -30.41 | -29.10 |
| 2 | 0.22985 | 10.26 | 36.62 | 28.67 | 46.88 | 38.93 | 79.00 | 66.00 | -32.12 | -27.07 |
| 3 | 0.30600 | 10.25 | 36.95 | 28.07 | 47.20 | 38.32 | 79.00 | 66.00 | -31.80 | -27.68 |
| 4 | 0.39000 | 10.25 | 32.20 | 23.02 | 42.45 | 33.27 | 79.00 | 66.00 | -36.55 | -32.73 |
| 5 | 0.45800 | 10.25 | 33.62 | 25.25 | 43.87 | 35.50 | 79.00 | 66.00 | -35.13 | -30.50 |
| 6 | 29.54600 | 20.55 | 24.93 | 19.11 | 45.48 | 39.66 | 73.00 | 60.00 | -27.52 | -20.34 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



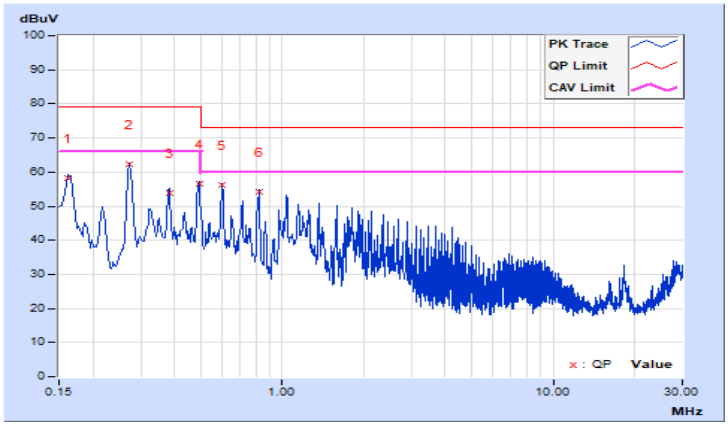
## Mode B

| | | | |
|---|---|---|---|
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9kHz |
| **Input Power** | 60Vdc | **Environmental Conditions** | 27°C, 75% RH |
| **Tested by** | Jim Lee | | |

| Phase Of Power : Line (L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.16200 | 10.26 | 48.06 | 44.44 | 58.32 | 54.70 | 79.00 | 66.00 | -20.68 | -11.30 |
| 2 | 0.27300 | 10.24 | 52.03 | 50.03 | 62.27 | 60.27 | 79.00 | 66.00 | -16.73 | -5.73 |
| 3 | 0.38200 | 10.23 | 43.71 | 41.76 | 53.94 | 51.99 | 79.00 | 66.00 | -25.06 | -14.01 |
| 4 | 0.49246 | 10.23 | 46.49 | 45.53 | 56.72 | 55.76 | 79.00 | 66.00 | -22.28 | -10.24 |
| **5** | **0.60200** | **10.24** | **45.98** | **45.16** | **56.22** | **55.40** | **73.00** | **60.00** | **-16.78** | **-4.60** |
| 6 | 0.82100 | 10.25 | 44.00 | 43.54 | 54.25 | 53.79 | 73.00 | 60.00 | -18.75 | -6.21 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

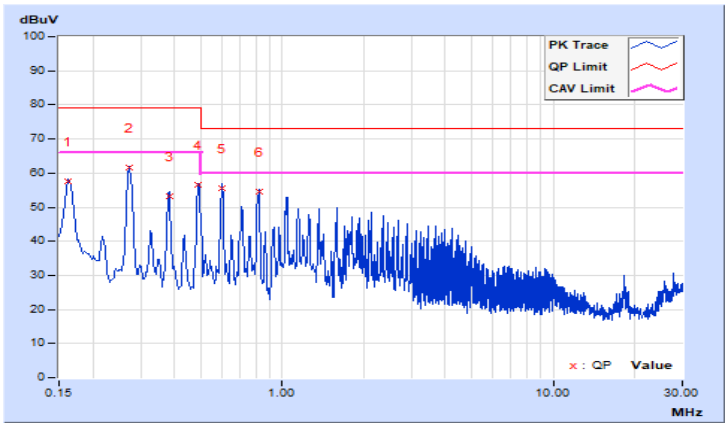


| | | | |
|---|---|---|---|
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9kHz |
| **Input Power** | 60Vdc | **Environmental Conditions** | 27°C, 75% RH |
| **Tested by** | Jim Lee | | |

| Phase Of Power : Neutral (N) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.16200 | 10.28 | 47.27 | 43.83 | 57.55 | 54.11 | 79.00 | 66.00 | -21.45 | -11.89 |
| 2 | 0.27350 | 10.26 | 51.51 | 49.54 | 61.77 | 59.80 | 79.00 | 66.00 | -17.23 | -6.20 |
| 3 | 0.38200 | 10.25 | 43.09 | 41.12 | 53.34 | 51.37 | 79.00 | 66.00 | -25.66 | -14.63 |
| 4 | 0.49200 | 10.25 | 46.25 | 45.00 | 56.50 | 55.25 | 79.00 | 66.00 | -22.50 | -10.75 |
| 5 | 0.60200 | 10.26 | 45.46 | 44.80 | 55.72 | 55.06 | 73.00 | 60.00 | -17.28 | -4.94 |
| 6 | 0.82200 | 10.27 | 44.17 | 43.76 | 54.44 | 54.03 | 73.00 | 60.00 | -18.56 | -5.97 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



## 7.2 Radiated Emissions up to 1 GHz

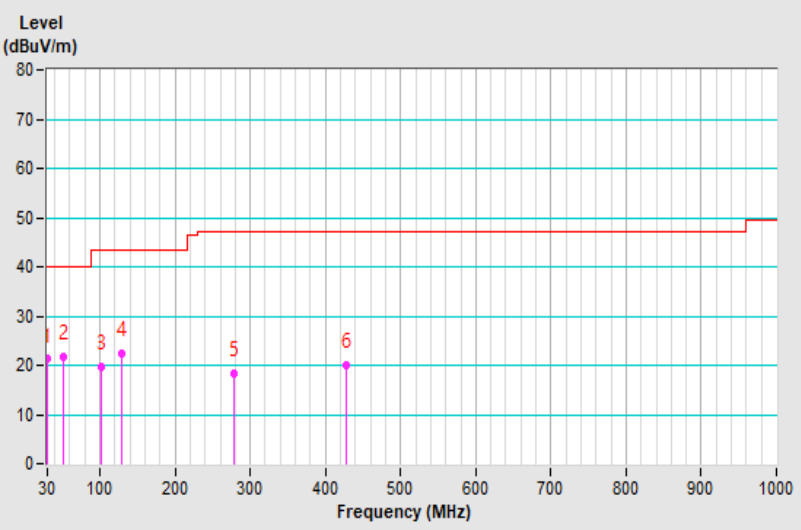
### Mode A

| | | | |
|---|---|---|---|
| **Frequency Range** | 30 MHz ~ 1 GHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP), 120 kHz |
| **Tested By** | Daniel Lin | **Environmental Conditions** | 25°C, 62% RH |

| Antenna Polarity & Test Distance : Horizontal at 10 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 30.39 | 21.26 QP | 40.00 | -18.74 | 3.50 H | 15 | 35.81 | -14.55 |
| 2 | 50.37 | 21.74 QP | 40.00 | -18.26 | 3.50 H | 20 | 34.52 | -12.78 |
| 3 | 101.40 | 19.60 QP | 43.50 | -23.90 | 4.00 H | 120 | 37.15 | -17.55 |
| 4 | 129.67 | 22.43 QP | 43.50 | -21.07 | 3.00 H | 278 | 37.39 | -14.96 |
| 5 | 278.04 | 18.31 QP | 47.00 | -28.69 | 2.50 H | 16 | 31.28 | -12.97 |
| 6 | 427.14 | 19.99 QP | 47.00 | -27.01 | 3.50 H | 15 | 29.00 | -9.01 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

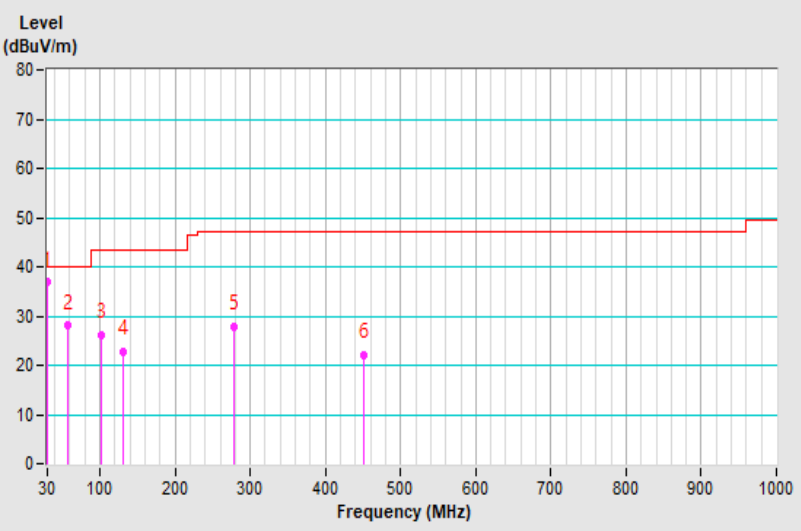


| | | | |
|---|---|---|---|
| **Frequency Range** | 30 MHz ~ 1 GHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP), 120 kHz |
| **Tested By** | Daniel Lin | **Environmental Conditions** | 25°C, 62% RH |

| **Antenna Polarity & Test Distance : Vertical at 10 m** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| **1** | **30.44** | **36.80 QP** | **40.00** | **-3.20** | **2.00 V** | **359** | **51.93** | **-15.13** |
| 2 | 56.68 | 28.04 QP | 40.00 | -11.96 | 2.50 V | 201 | 41.31 | -13.27 |
| 3 | 101.98 | 26.17 QP | 43.50 | -17.33 | 1.00 V | 233 | 43.87 | -17.70 |
| 4 | 131.52 | 22.72 QP | 43.50 | -20.78 | 2.50 V | 228 | 37.61 | -14.89 |
| 5 | 279.16 | 27.78 QP | 47.00 | -19.22 | 1.00 V | 347 | 40.31 | -12.53 |
| 6 | 451.24 | 22.01 QP | 47.00 | -24.99 | 1.00 V | 52 | 30.07 | -8.06 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value



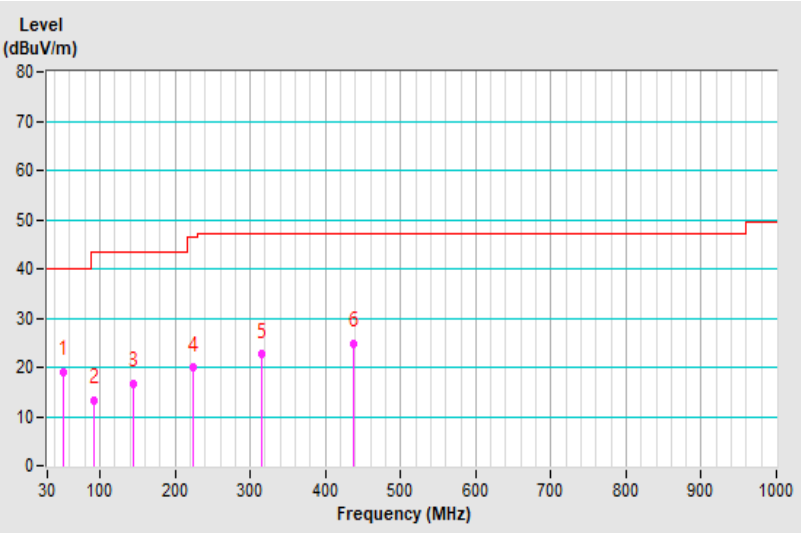
## Mode B

| Frequency Range | 30 MHz ~ 1 GHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP), 120 kHz |
|---|---|---|---|
| Tested By | Daniel Lin | Environmental Conditions | 25°C, 62% RH |

| Antenna Polarity & Test Distance : Horizontal at 10 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 50.42 | 19.06 QP | 40.00 | -20.94 | 3.00 H | 152 | 31.84 | -12.78 |
| 2 | 91.11 | 13.31 QP | 43.50 | -30.19 | 2.00 H | 16 | 32.10 | -18.79 |
| 3 | 145.39 | 16.70 QP | 43.50 | -26.80 | 3.00 H | 118 | 30.06 | -13.36 |
| 4 | 223.09 | 19.86 QP | 46.40 | -26.54 | 3.00 H | 84 | 36.05 | -16.19 |
| 5 | 315.34 | 22.58 QP | 47.00 | -24.42 | 2.50 H | 337 | 34.71 | -12.13 |
| 6 | 437.27 | 24.81 QP | 47.00 | -22.19 | 2.00 H | 16 | 33.48 | -8.67 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

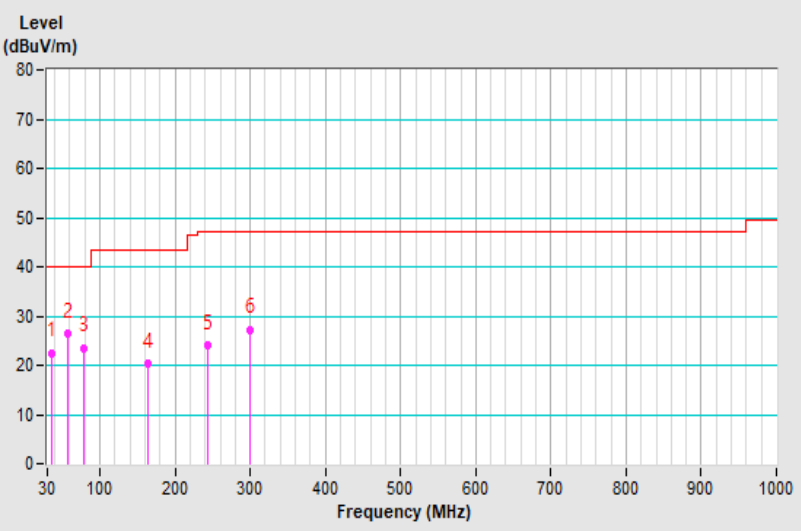


| | | | |
|---|---|---|---|
| **Frequency Range** | 30 MHz ~ 1 GHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP), 120 kHz |
| **Tested By** | Daniel Lin | **Environmental Conditions** | 25°C, 62% RH |

| Antenna Polarity & Test Distance : Vertical at 10 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 35.43 | 22.52 QP | 40.00 | -17.48 | 1.50 V | 342 | 37.31 | -14.79 |
| 2 | 57.31 | 26.33 QP | 40.00 | -13.67 | 3.00 V | 66 | 39.72 | -13.39 |
| 3 | 78.89 | 23.48 QP | 40.00 | -16.52 | 2.00 V | 45 | 41.08 | -17.60 |
| 4 | 164.69 | 20.25 QP | 43.50 | -23.25 | 1.00 V | 240 | 33.75 | -13.50 |
| 5 | 243.60 | 23.98 QP | 47.00 | -23.02 | 1.00 V | 191 | 38.17 | -14.19 |
| 6 | 300.21 | 27.18 QP | 47.00 | -19.82 | 1.50 V | 218 | 39.17 | -11.99 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value



## 7.3 Radiated Emissions above 1 GHz

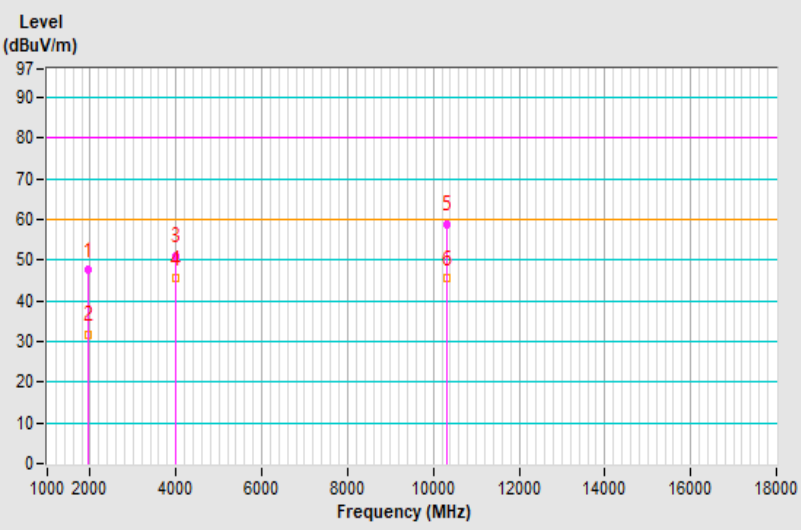
### Mode A

| | | | |
|---|---|---|---|
| **Frequency Range** | 1GHz ~ 18GHz | **Detector Function & Resolution Bandwidth** | Peak (PK) / Average (AV), 1MHz |
| **Tested By** | Jim Lee | **Environmental Conditions** | 25°C, 74% RH |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 1956.78 | 47.64 PK | 80.00 | -32.36 | 1.00 H | 181 | 48.13 | -0.49 |
| 2 | 1956.78 | 31.82 AV | 60.00 | -28.18 | 1.00 H | 181 | 32.31 | -0.49 |
| 3 | 4000.01 | 51.13 PK | 80.00 | -28.87 | 2.02 H | 175 | 45.52 | 5.61 |
| 4 | 4000.01 | 45.52 AV | 60.00 | -14.48 | 2.02 H | 175 | 39.91 | 5.61 |
| 5 | 10312.70 | 58.96 PK | 80.00 | -21.04 | 1.08 H | 88 | 40.98 | 17.98 |
| 6 | 10312.70 | 45.48 AV | 60.00 | -14.52 | 1.08 H | 88 | 27.50 | 17.98 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

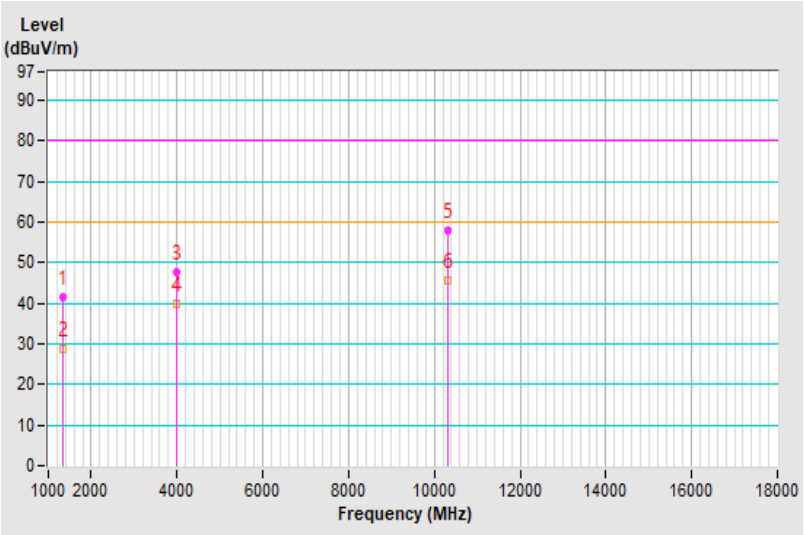


| | | | |
|---|---|---|---|
| **Frequency Range** | 1GHz ~ 18GHz | **Detector Function & Resolution Bandwidth** | Peak (PK) / Average (AV), 1MHz |
| **Tested By** | Jim Lee | **Environmental Conditions** | 25°C, 74% RH |

| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 1334.15 | 41.62 PK | 80.00 | -38.38 | 1.95 V | 18 | 43.85 | -2.23 |
| 2 | 1334.15 | 28.75 AV | 60.00 | -31.25 | 1.95 V | 18 | 30.98 | -2.23 |
| 3 | 3999.99 | 47.52 PK | 80.00 | -32.48 | 1.00 V | 188 | 41.91 | 5.61 |
| 4 | 3999.99 | 39.92 AV | 60.00 | -20.08 | 1.00 V | 188 | 34.31 | 5.61 |
| 5 | 10313.30 | 58.09 PK | 80.00 | -21.91 | 1.13 V | 120 | 40.11 | 17.98 |
| 6 | 10313.30 | 45.59 AV | 60.00 | -14.41 | 1.13 V | 120 | 27.61 | 17.98 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

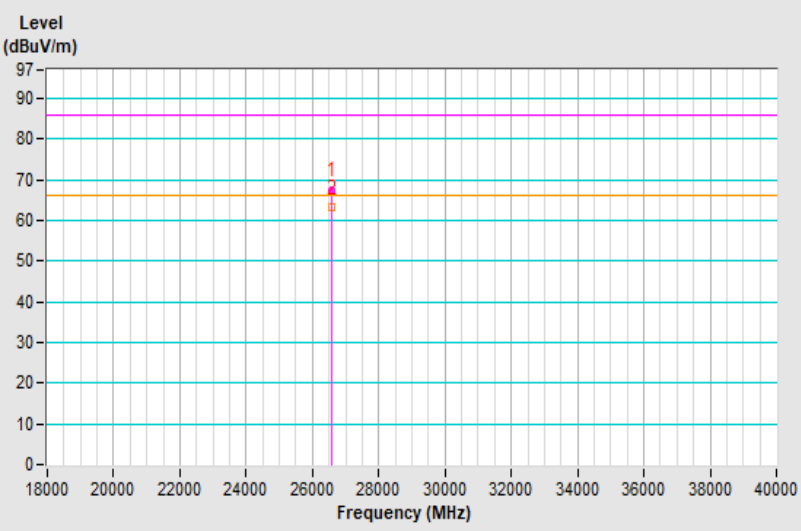


| | | | |
|---|---|---|---|
| **Frequency Range** | 18GHz ~ 40GHz | **Detector Function & Resolution Bandwidth** | Peak (PK) / Average (AV), 1MHz |
| **Tested By** | Kai Chu | **Environmental Conditions** | 26°C, 72% RH |

| **Antenna Polarity & Test Distance : Horizontal at 1.5 m** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 26562.37 | 67.57 PK | 86.00 | -18.43 | 1.36 H | 64 | 65.73 | 1.84 |
| 2 | 26562.37 | 63.38 AV | 66.00 | -2.62 | 1.36 H | 64 | 61.54 | 1.84 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

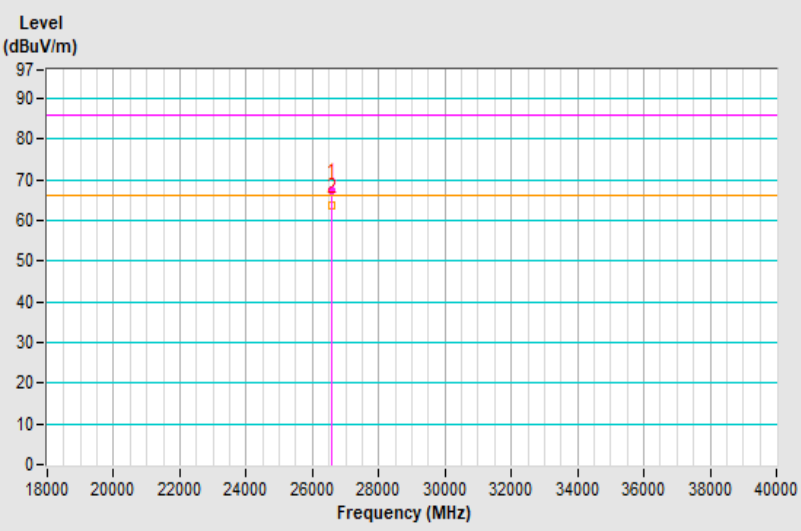


| | | | |
|---|---|---|---|
| **Frequency Range** | 18GHz ~ 40GHz | **Detector Function & Resolution Bandwidth** | Peak (PK) / Average (AV), 1MHz |
| **Tested By** | Kai Chu | **Environmental Conditions** | 26°C, 72% RH |

| **Antenna Polarity & Test Distance : Vertical at 1.5 m** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 26562.36 | 67.54 PK | 86.00 | -18.46 | 1.42 V | 339 | 65.70 | 1.84 |
| 2 | 26562.36 | 63.74 AV | 66.00 | -2.26 | 1.42 V | 339 | 61.90 | 1.84 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value



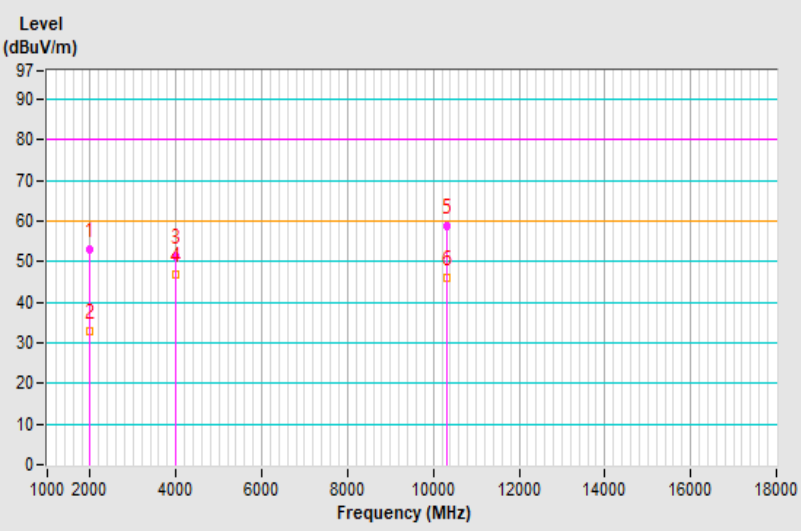
## Mode B

| Frequency Range | 1GHz ~ 18GHz | Detector Function & Resolution Bandwidth | Peak (PK) / Average (AV), 1MHz |
|---|---|---|---|
| Tested By | Jim Lee | Environmental Conditions | 25°C, 74% RH |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2000.37 | 52.86 PK | 80.00 | -27.14 | 1.15 H | 160 | 52.84 | 0.02 |
| 2 | 2000.37 | 32.82 AV | 60.00 | -27.18 | 1.15 H | 160 | 32.80 | 0.02 |
| 3 | 3999.93 | 51.38 PK | 80.00 | -28.62 | 1.00 H | 155 | 45.77 | 5.61 |
| 4 | 3999.93 | 46.98 AV | 60.00 | -13.02 | 1.00 H | 155 | 41.37 | 5.61 |
| 5 | 10312.60 | 58.82 PK | 80.00 | -21.18 | 1.99 H | 314 | 40.84 | 17.98 |
| 6 | 10312.60 | 45.89 AV | 60.00 | -14.11 | 1.99 H | 314 | 27.91 | 17.98 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
   – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

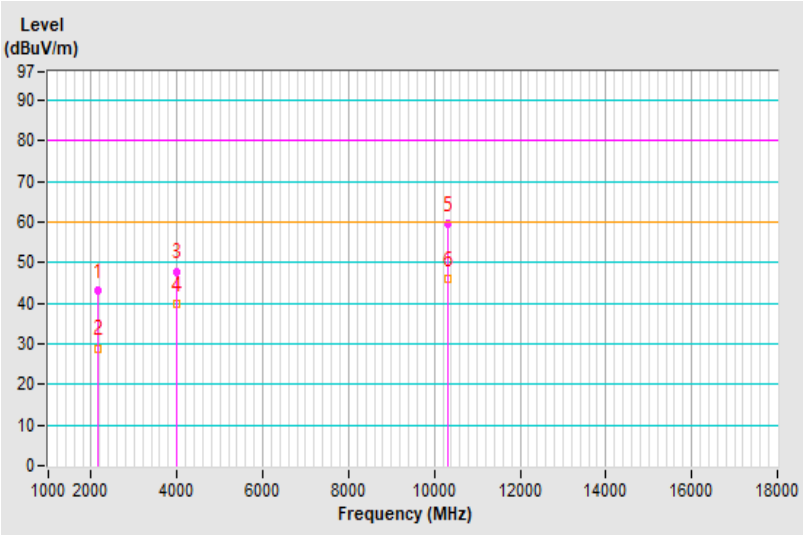


| | | | |
|---|---|---|---|
| **Frequency Range** | 1GHz ~ 18GHz | **Detector Function & Resolution Bandwidth** | Peak (PK) / Average (AV), 1MHz |
| **Tested By** | Jim Lee | **Environmental Conditions** | 25°C, 74% RH |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 2157.99 | 43.02 PK | 80.00 | -36.98 | 2.14 V | 335 | 40.91 | 2.11 |
| 2 | 2157.99 | 28.93 AV | 60.00 | -31.07 | 2.14 V | 335 | 26.82 | 2.11 |
| 3 | 3999.99 | 47.82 PK | 80.00 | -32.18 | 1.00 V | 188 | 42.21 | 5.61 |
| 4 | 3999.99 | 39.87 AV | 60.00 | -20.13 | 1.00 V | 188 | 34.26 | 5.61 |
| 5 | 10312.60 | 59.45 PK | 80.00 | -20.55 | 1.00 V | 203 | 41.47 | 17.98 |
| 6 | 10312.60 | 46.09 AV | 60.00 | -13.91 | 1.00 V | 203 | 28.11 | 17.98 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

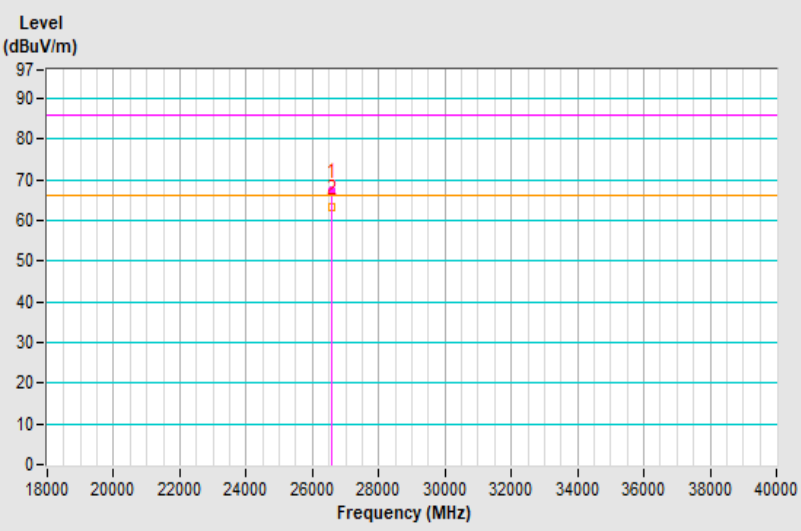


| | | | |
|---|---|---|---|
| **Frequency Range** | 18GHz ~ 40GHz | **Detector Function & Resolution Bandwidth** | Peak (PK) / Average (AV), 1MHz |
| **Tested By** | Kai Chu | **Environmental Conditions** | 26°C, 72% RH |

| **Antenna Polarity & Test Distance : Horizontal at 1.5 m** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 26562.37 | 67.49 PK | 86.00 | -18.51 | 1.32 H | 66 | 65.65 | 1.84 |
| 2 | 26562.37 | 63.33 AV | 66.00 | -2.67 | 1.32 H | 66 | 61.49 | 1.84 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

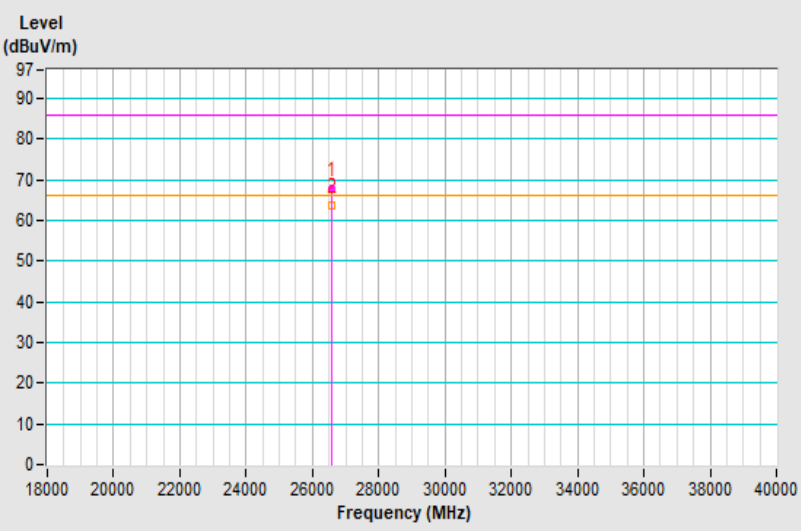


| | | | |
|---|---|---|---|
| **Frequency Range** | 18GHz ~ 40GHz | **Detector Function & Resolution Bandwidth** | Peak (PK) / Average (AV), 1MHz |
| **Tested By** | Kai Chu | **Environmental Conditions** | 26°C, 72% RH |

| **Antenna Polarity & Test Distance : Vertical at 1.5 m** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 26562.36 | 67.71 PK | 86.00 | -18.29 | 1.44 V | 337 | 65.87 | 1.84 |
| **2** | **26562.36** | **63.83 AV** | **66.00** | **-2.17** | **1.44 V** | **337** | **61.99** | **1.84** |

**Remarks:**

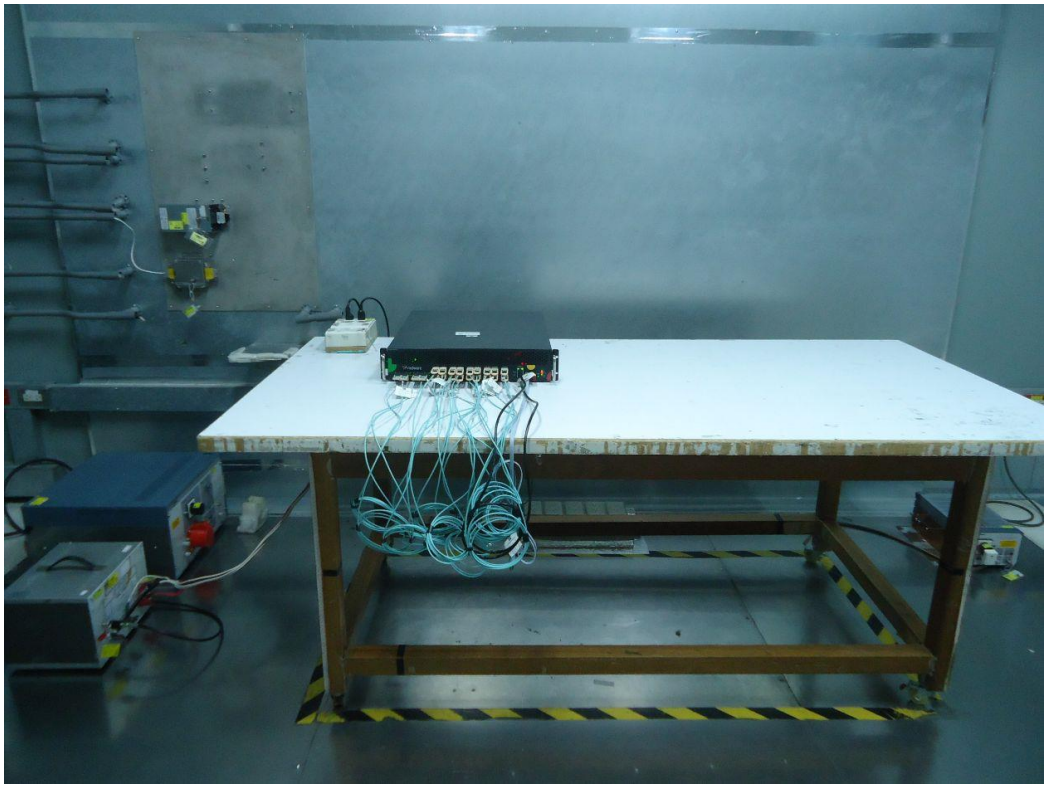
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

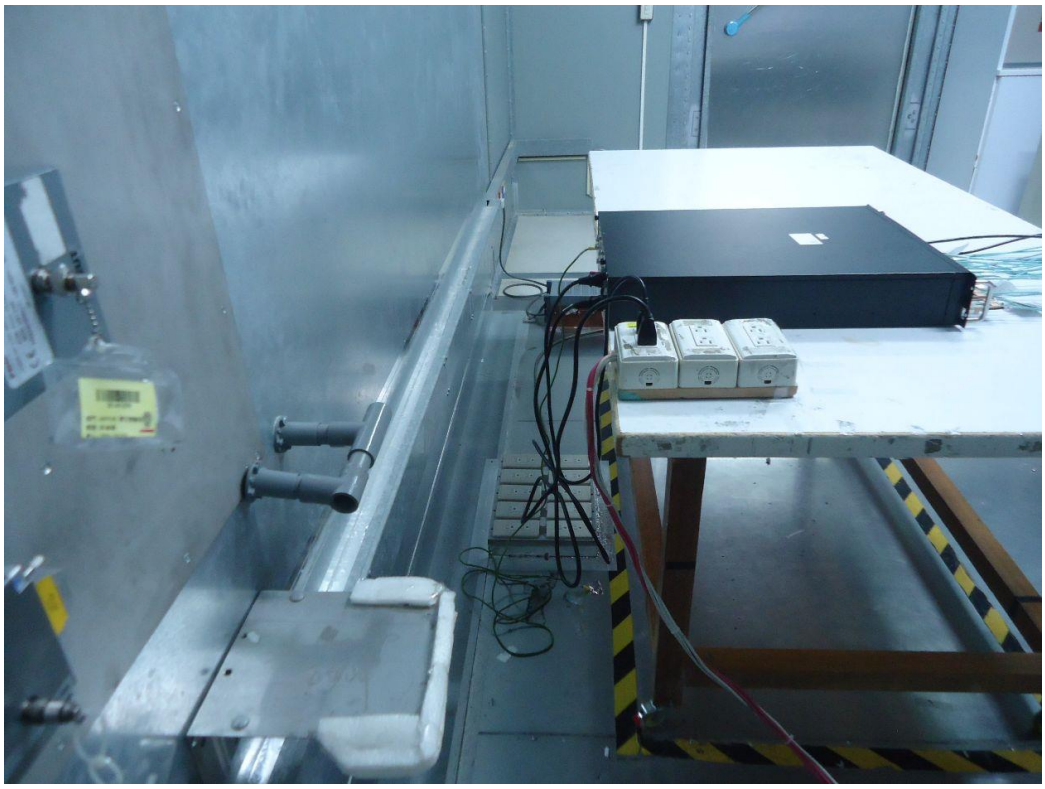


# 8 Pictures of Test Arrangements

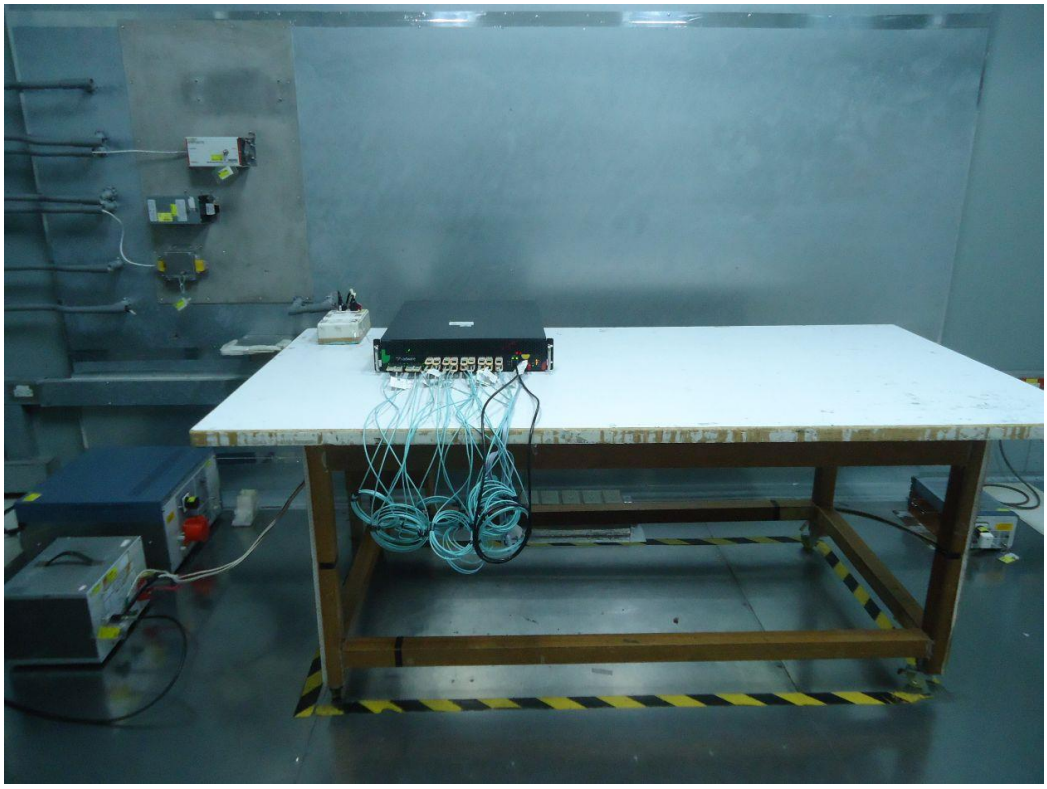
## 8.1 Conducted Emissions from Power Ports

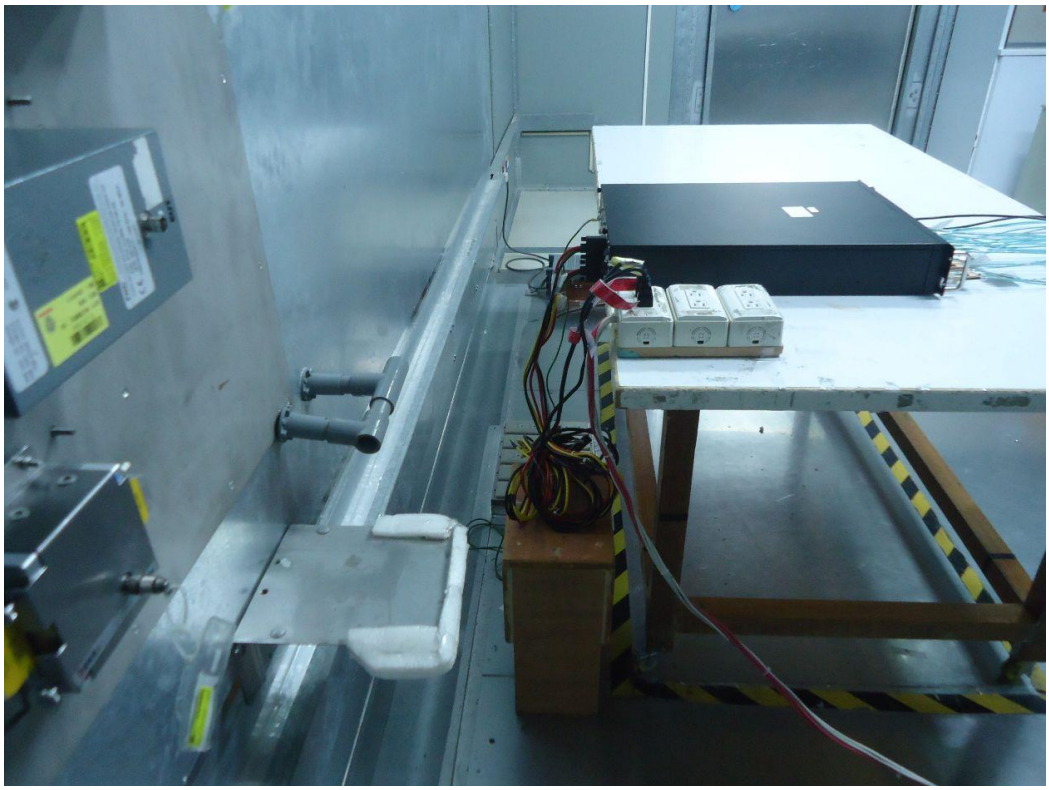
Mode A





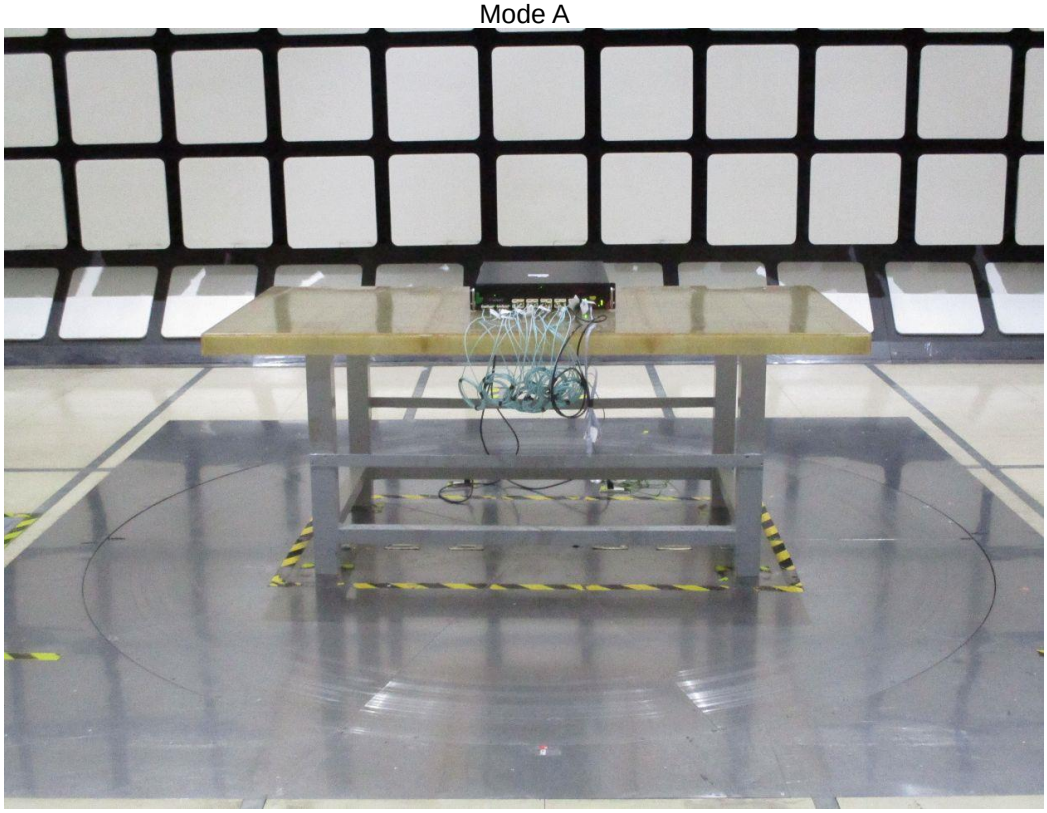
Mode B

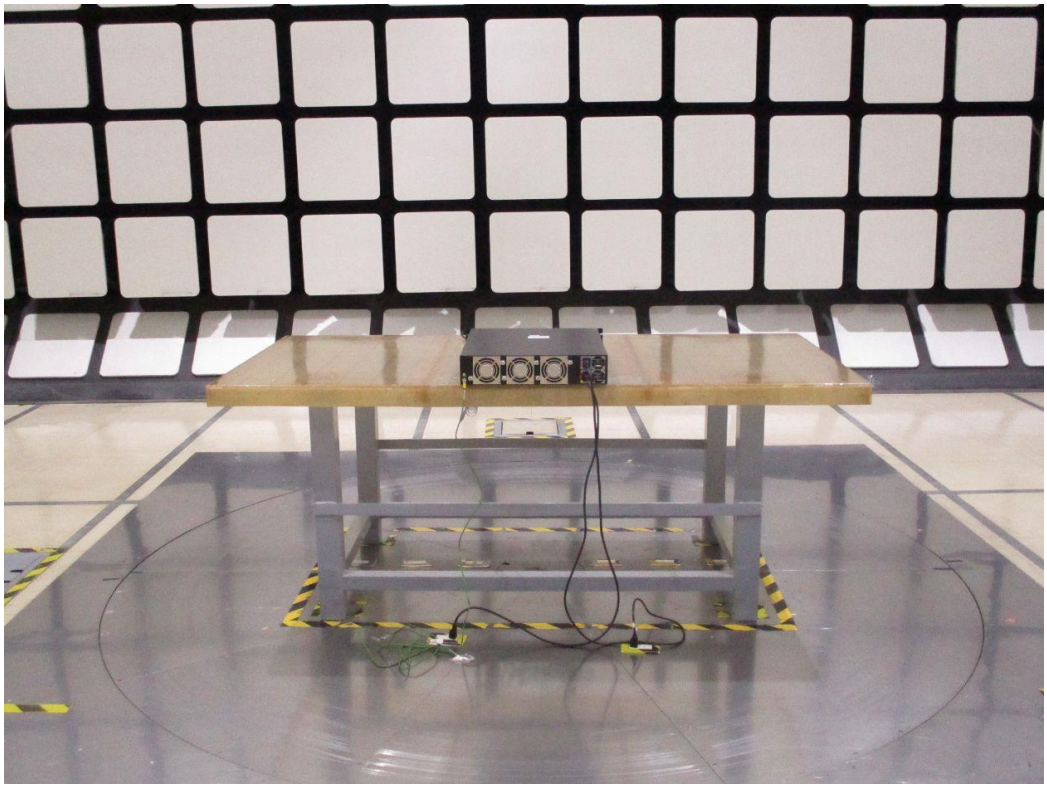




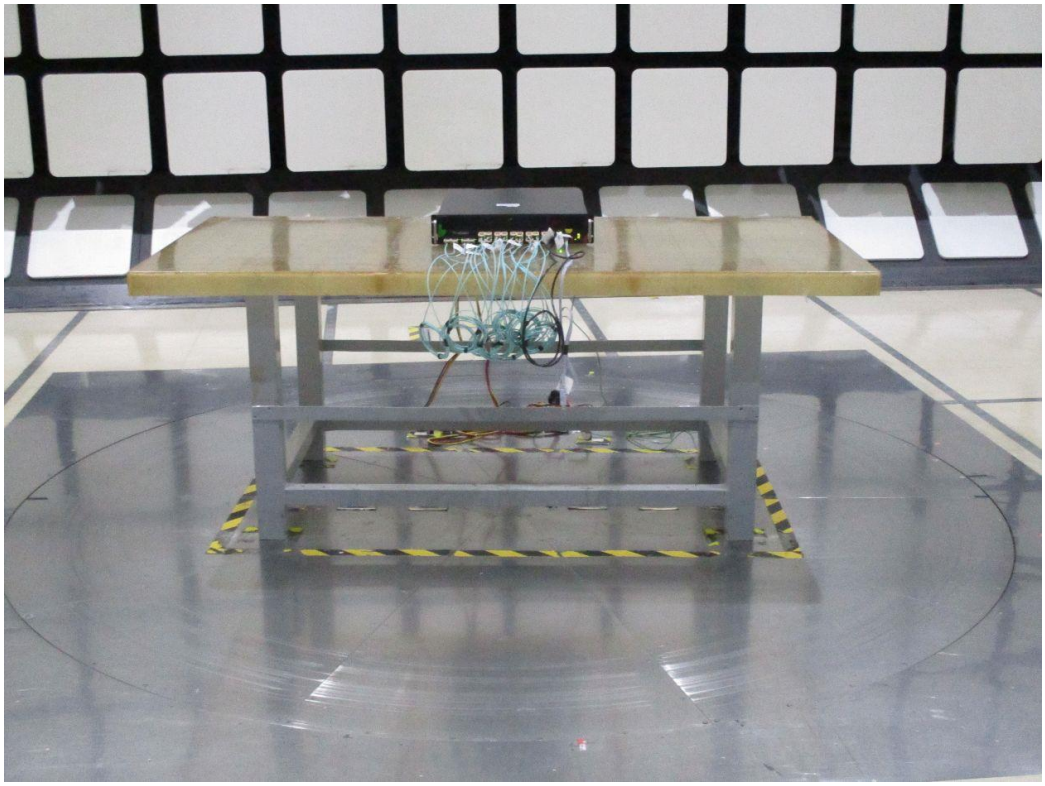
## 8.2 Radiated Emissions up to 1 GHz

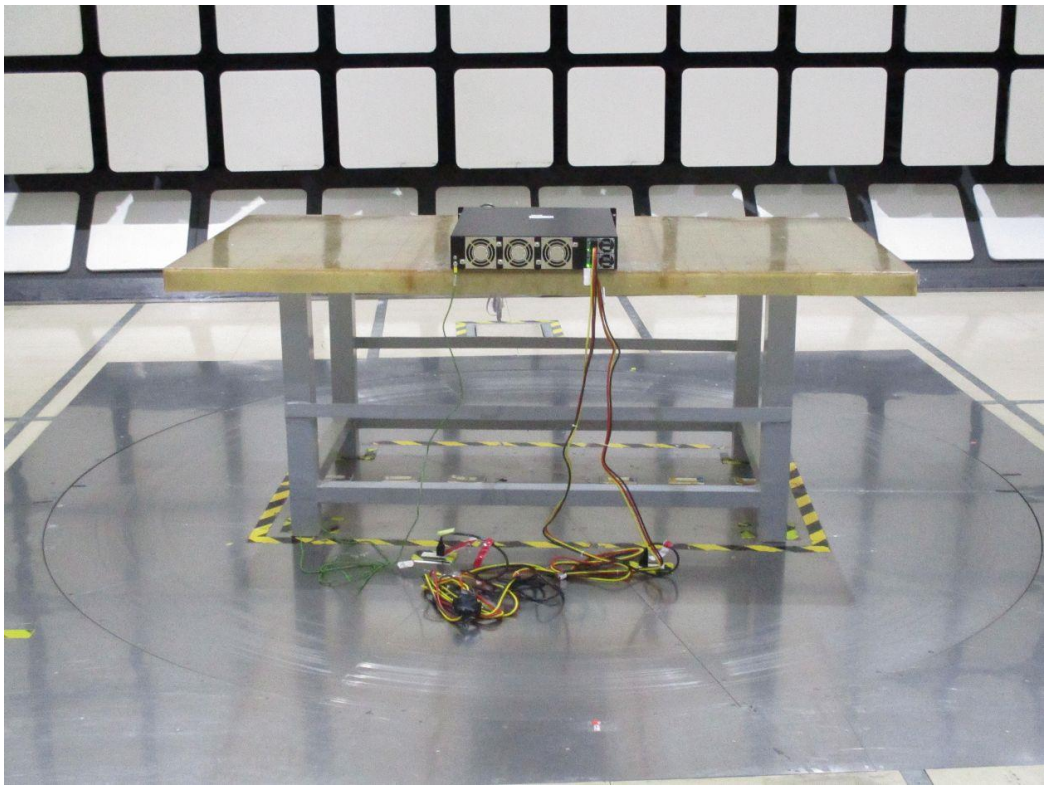
Mode A





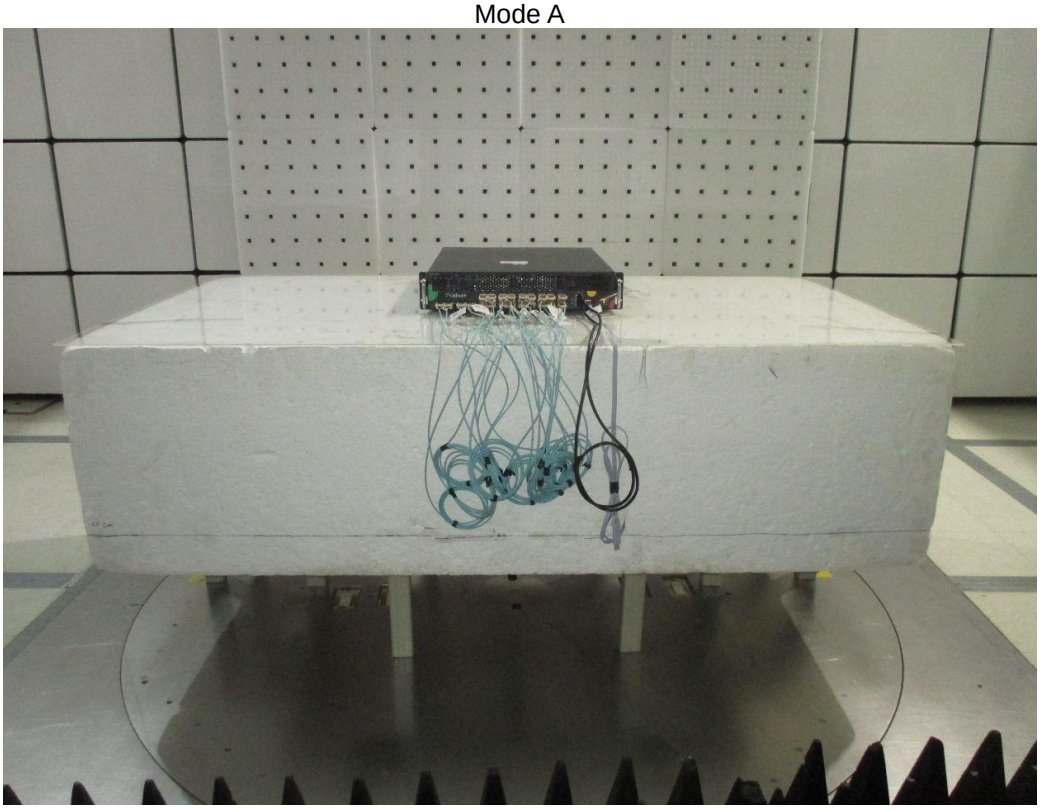
Mode B

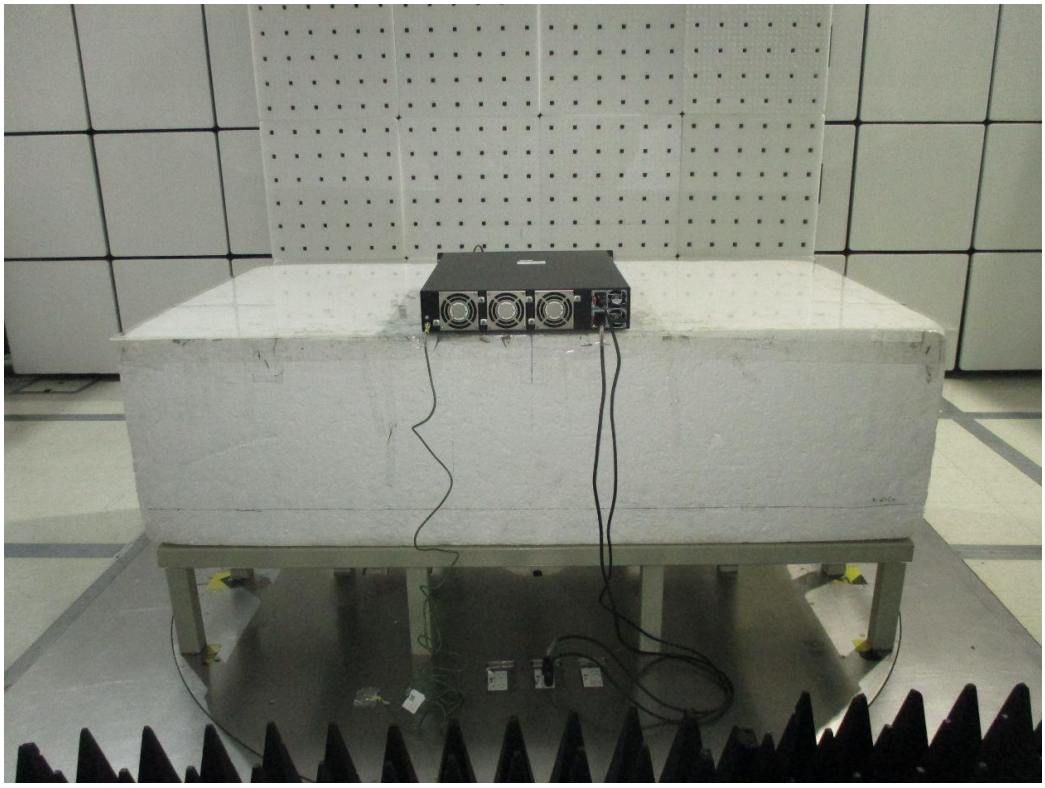




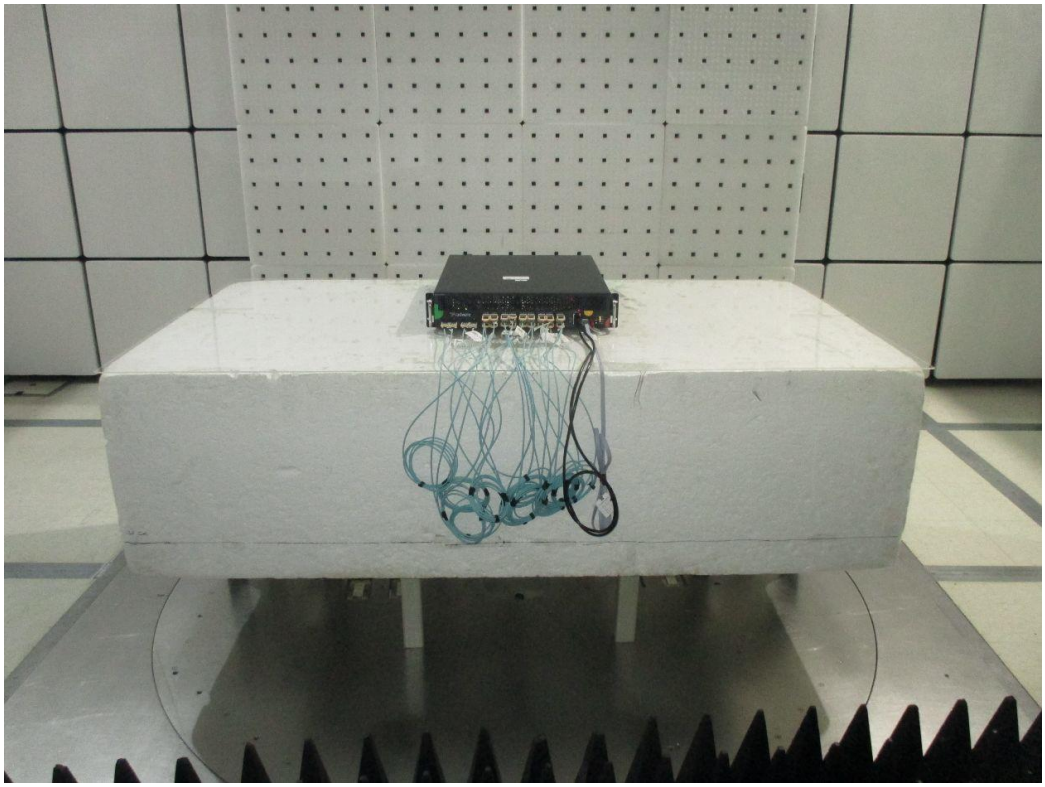
## 8.3 Radiated Emissions above 1 GHz

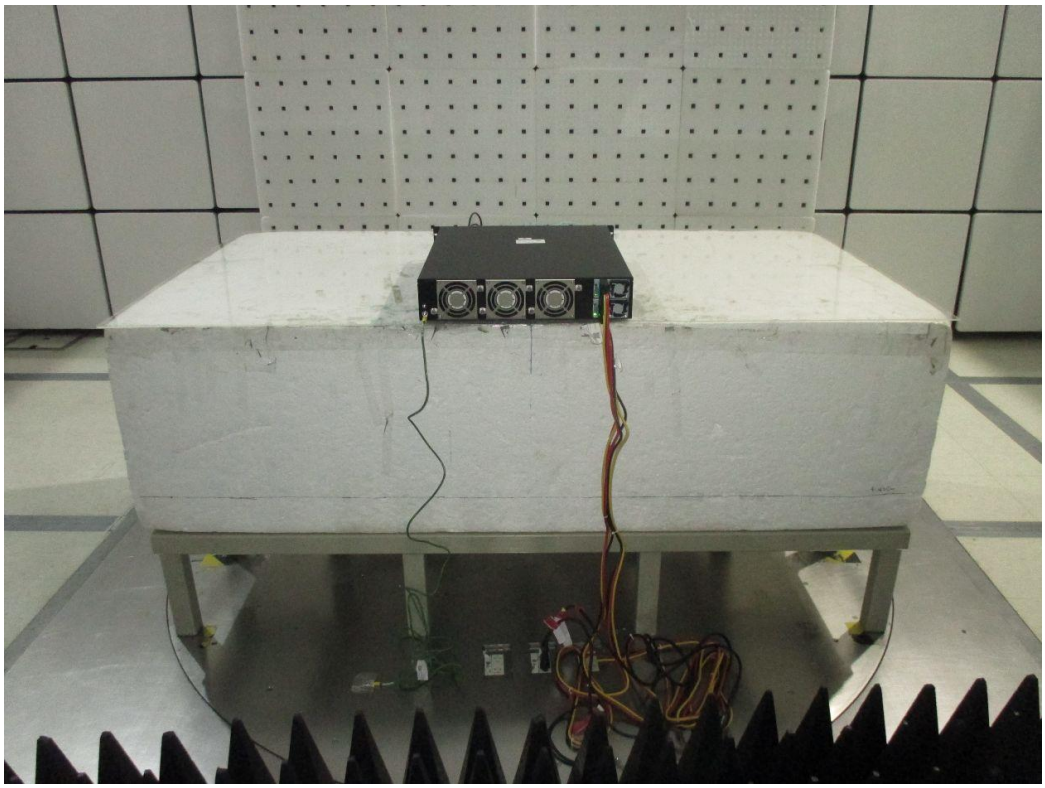
Mode A





Mode B





# 9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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