TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart B, Class A** **ANSI C63.4–2014** **ANSI C63.4a–2017**
Report No.:	FDBDBO-WTW-P26010014
Product:	Edge AI Server
Brand:	Vecow
Model No.:	ICS-2000
Series Model:	ICS-2XXXXXXXXXXXXXX ("X" can be 0-9, A-Z or blank for marketing purpose)
Received Date:	2026/1/2
Test Date:	2026/4/1 ~ 2026/4/2
Issued Date:	2026/6/17
Applicant:	Vecow Co., Ltd.
Address:	3F, No. 10, Jiankang Rd., Zhonghe Dist., New Taipei City 23586, Taiwan
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
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Test Location:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
FCC Registration / Designation Number:	418586 / TW1078

Approved by: Jim Hsiang , **Date:** 2026/6/17

Jim Hsiang / Associate Technical Manager

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Prepared by : Jessica Cheng / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
FDBDBO-WTW-P26010014	Original release.	2026/6/17

1 Certificate

Product:	Edge AI Server
Brand:	Vecow
Test Model:	ICS-2000
Series Model:	ICS-2XXXXXXXXXXXXXXX ("X" can be 0-9, A-Z or blank for marketing purpose)
Sample Status:	Engineering sample
Applicant:	Vecow Co., Ltd.
Test Date:	2026/4/1 ~ 2026/4/2
Standard:	47 CFR FCC Part 15, Subpart B, Class A ANSI C63.4–2014 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 / Clause	Test Item	Result	Remark
FCC Part 15.107	Conducted Emissions from Power Ports	Pass	Minimum passing Class A margin is -24.78 dB at 6.40797 MHz
FCC Part 15.109	Radiated Emissions up to 1 GHz	Pass	Minimum passing Class A margin is -5.59 dB at 249.99 MHz
FCC Part 15.109	Radiated Emissions above 1 GHz	Pass	Minimum passing Class A margin is -19.81 dB at 2399.67 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	9 kHz ~ 30 MHz	2.78 dB	3.4 dB (U_{cispr})
Radiated Emissions up to 1 GHz	30 MHz ~ 1 GHz	3m : 5.58 dB 10m : 4.20 dB	6.3 dB (U_{cispr})
Radiated Emissions above 1 GHz	1 GHz ~ 6 GHz	4.80 dB	5.2 dB (U_{cispr})
	6 GHz ~ 18 GHz	4.82 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	Edge AI Server
Brand	Vecow
Test Model	ICS-2000
Series Model	ICS-2XXXXXXXXXXXXXX ("X" can be 0-9, A-Z or blank for marketing purpose)
Model Difference	Marketing Differentiation
Sample Status	Engineering sample
Power Supply Rating	Refer to note as below

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter	LITEON	PA-1331-92E	AC Input: 100-240VAC , 4.4A, 50-60Hz (3pin, 1.6m) DC Output: 24V,13.75A

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 2.55 GHz, provided by Vecow Co., 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 Vecow Co., 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.

The EUT configured with the following key components:

Component	Specification
Processor	AMD EPYC™ 8434P @2.5GHz
Memory	DDR5 5600MHz 16GB x 6 Team Group
Storage	M.2 2280 512GB x1(OS) Innodisk

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

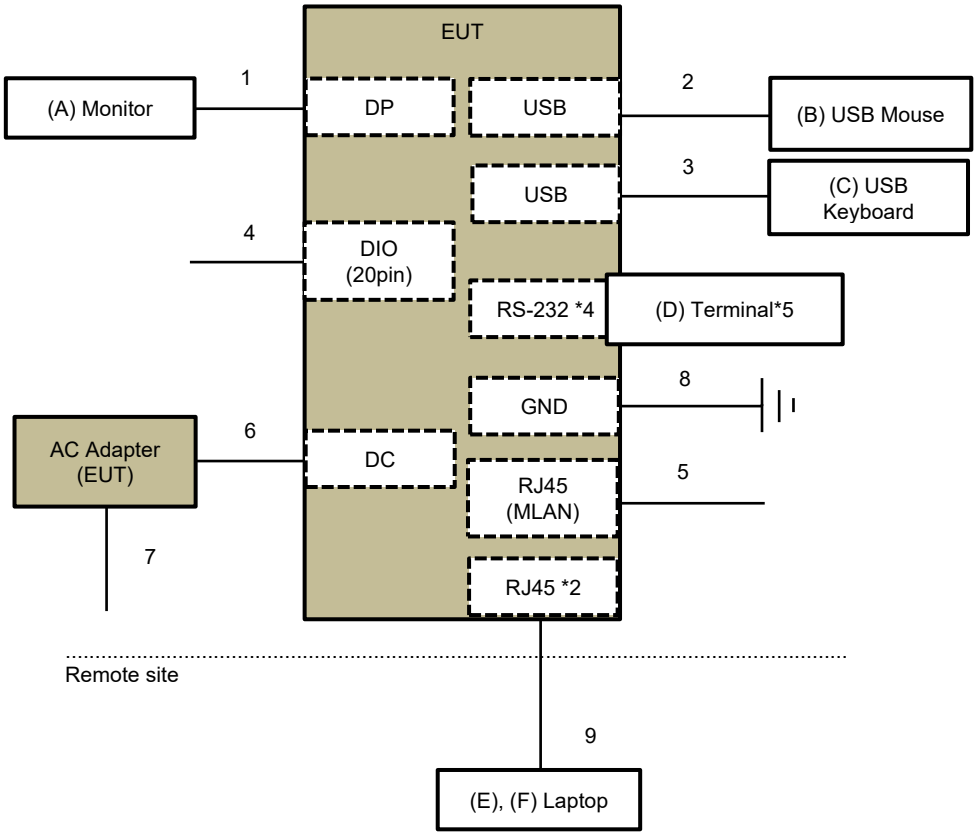
Test modes are presented in the report as below.

Test Condition	
Mode	Conducted Emissions from Power Ports
A	Full system,DP:1920x1200,60Hz + Input Power(120 Vac, 60 Hz)
B	Full system,DP:1920x1200,60Hz + Input Power(240 Vac, 60 Hz)
Mode	Radiated Emissions up to 1 GHz
A	Full system,DP:1920x1200,60Hz + Input Power(120 Vac, 60 Hz)
Mode	Radiated Emissions above 1 GHz
A	Full system,DP:1920x1200,60Hz + Input Power(120 Vac, 60 Hz)

3.5 Test Program Used and Operation Descriptions

a. Turned on the power of all equipment.
b. EUT ran test program (BurnIntest) to enable all functions.
c. EUT read and wrote messages to/ from internal storage devices.
d. EUT sent (H) messages to monitor and then displayed messages on its screen.
e. Laptop sent and received messages to/ from EUT via LAN cable.

3.6 Connection Diagram of EUT and Peripheral Devices



3.7 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Monitor	ASUS	PA279CV	M7LMTF235958	DoC	Provided by Lab
B	USB Mouse	DELL	MOCZUL	CN-049TWY-PRC00-77B-007R	N/A	Provided by Lab
C	USB Keyboard	Dell	KB216t	CN-0W33XP-LO300-7CL-1902	N/A	Provided by Lab
D	Terminal*5	N/A	N/A	N/A	N/A	Supplied by applicant
E	Laptop	Lenovo	L470	PF1ATCPX	N/A	Provided by Lab
F	Laptop	Lenovo	L470	PF0TALR5	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DP	1	1.5	Y	0	Provided by Lab
2	USB	1	1.8	Y	0	Provided by Lab
3	USB	1	1.8	Y	0	Provided by Lab
4	DATA	20	1	N	0	Supplied by applicant
5	DATA	1	0.7	N	0	Supplied by applicant
6	Power	1	0.8	N	0	Supplied by applicant
7	Power	1	1.8	N	0	Provided by Lab
8	GND (PE)	1	1.5	N	0	Provided by Lab
9	Cat. 5e	2	10	N	0	Provided by Lab

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 Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance LYNICS	0900510	E1-01-299	2026/1/15	2027/1/14
		E1-011286	2025/9/24	2026/9/23
DC LISN R&S	ESH3-Z6	100219	2025/7/10	2026/7/9
		844950/018	2025/7/10	2026/7/9
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01587	2025/5/2	2026/5/1
EMI Test Receiver R&S	EPL 1000	101064	2025/4/17	2026/4/16
		101065	2025/4/22	2026/4/21
	ESR3	102414	2025/12/9	2026/12/8
High Pass Filter EMCI	150HPF-ME	114005	2025/5/2	2026/5/1
		114006	2025/5/2	2026/5/1
	150HPF-MF	113009	2025/5/2	2026/5/1
LISN R&S	ENV216	101195	2025/7/18	2026/7/17
		101196	2026/3/3	2027/3/2
		101197	2025/7/4	2026/7/3
	ESH2-Z5	100104	2025/12/11	2026/12/10
	ESH3-Z5	847265/023	2025/10/21	2026/10/20
LISN Schwarzbeck	NNLK 8121	8121-731	2025/6/10	2026/6/9
		8121-00759	2025/8/12	2026/8/11
		8121-808	2025/4/23	2026/4/22
	NNLK 8129	00624	2025/10/9	2026/10/8
		8129229	2025/10/14	2026/10/13
RF Coaxial Cable PEWC	5D-FB	Cable-CO9-01	2025/7/4	2026/7/3
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 9.
2. The VCCI Site Registration No. C-11312.
3. Tested Date: 2026/4/2

4.2 Radiated Emissions up to 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
ADT. Tower	AT100	0205	N/A	N/A
ADT. Turn Table	TT100	0205	N/A	N/A
Bi_Log Antenna schaffner	CBL 6111D	22270	2025/9/19	2026/9/18
Coupling / Decoupling Network Schwarzbeck	CDNE-M2	00097	2025/5/28	2026/5/27
	CDNE-M3	00091	2026/3/17	2027/3/16
EMI Test Receiver R&S	ESCS 30	100276	2025/4/18	2026/4/17
		100292	2025/9/24	2026/9/23
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ST2-01	2025/10/16	2026/10/15
Preamplifier HP	8447D	2727A05786	2026/2/13	2027/2/12
RF Coaxial Cable Pacific	8D-FB	Cable-ST2-01	2025/10/16	2026/10/15
Software BVADT	Radiated_V8.8.09	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Open Site2 , The test site validated date: 2025/7/12 (NSA)
2. The VCCI Site Registration No. R-10237.
3. Tested Date: 2026/4/1

4.3 Radiated Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
* Horn Antenna ETS-Lindgren	3117	00168692	2025/12/9	2027/12/8
Fix tool for Boresight antenna tower BV	BAF-01	4	N/A	N/A
Fixed Attenuator Mini-Circuits	BW-K3-2W44+	PAD-CH7-03	2025/7/4	2026/7/3
	BW-N4W5+	PAD-CH7-02	2025/7/4	2026/7/3
Horn Antenna EMCO	3115	9312-4192	2025/11/9	2026/11/8
Horn Antenna ETS-Lindgren	3117-PA	00215857	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	BBHA9170190	2025/11/9	2026/11/8
MXA Signal Analyzer Keysight	N9020B	MY60110438	2025/12/4	2026/12/3
		MY60112260	2025/5/26	2026/5/25
Notch Filter Micro-Tronics	BRC50703-01	010	2025/5/22	2026/5/21
	BRM17690	005	2025/5/22	2026/5/21
Preamplifier Agilent	8449B	3008A01886	2026/2/13	2027/2/12
Preamplifier EMCI	EMC0126545	980076	2026/2/13	2027/2/12
	EMC184045B	980175	2025/8/23	2026/8/22
		980235	2026/2/13	2027/2/12
RF Coaxial Cable EMEC	EMC101G-KM-KM-1000	230807	2025/7/4	2026/7/3
	EMC101G-KM-KM-3600	230804	2025/7/4	2026/7/3
Software BVADT	Radiated_V8.8.09	N/A	N/A	N/A
Turn Table & Tower Max Full	MF7802	MF780208103	N/A	N/A

Notes:

1. * The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA
2. The test was performed in Linkou 966 Chamber 2 (CH 7).
3. The VCCI Site Registration No. G-10039.
4. Tested Date: 2026/4/1

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

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

Radiated Emissions Limits at 10 meters (dBμV/m)				
Frequencies (MHz)	FCC 15B, Class A	FCC 15B, Class B	CISPR 22, Class A	CISPR 22, Class B
30-88	39.1	29.5	40	30
88-216	43.5	33.1		
216-230	46.4	35.6		
230-960			47	37
960-1000	49.5	43.5		

Radiated Emissions Limits at 3 meters (dBμV/m)				
Frequencies (MHz)	FCC 15B, Class A	FCC 15B, Class B	CISPR 22, Class A	CISPR 22, Class B
30-88	49.5	40.0	50.5	40.5
88-216	54.0	43.5		
216-230	56.9	46.0		
230-960			57.5	47.5
960-1000	60.0	54.0		

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

5.3 Radiated Emissions above 1 GHz

Frequency Range (For unintentional radiators)

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40GHz, whichever is lower

Radiated Emissions Limits at 3 meters (dBμV/m)		
Frequency range	Class A	Class B
Above 1GHz	Avg: 60 Peak: 80	Avg: 54 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.

6 Test Arrangements

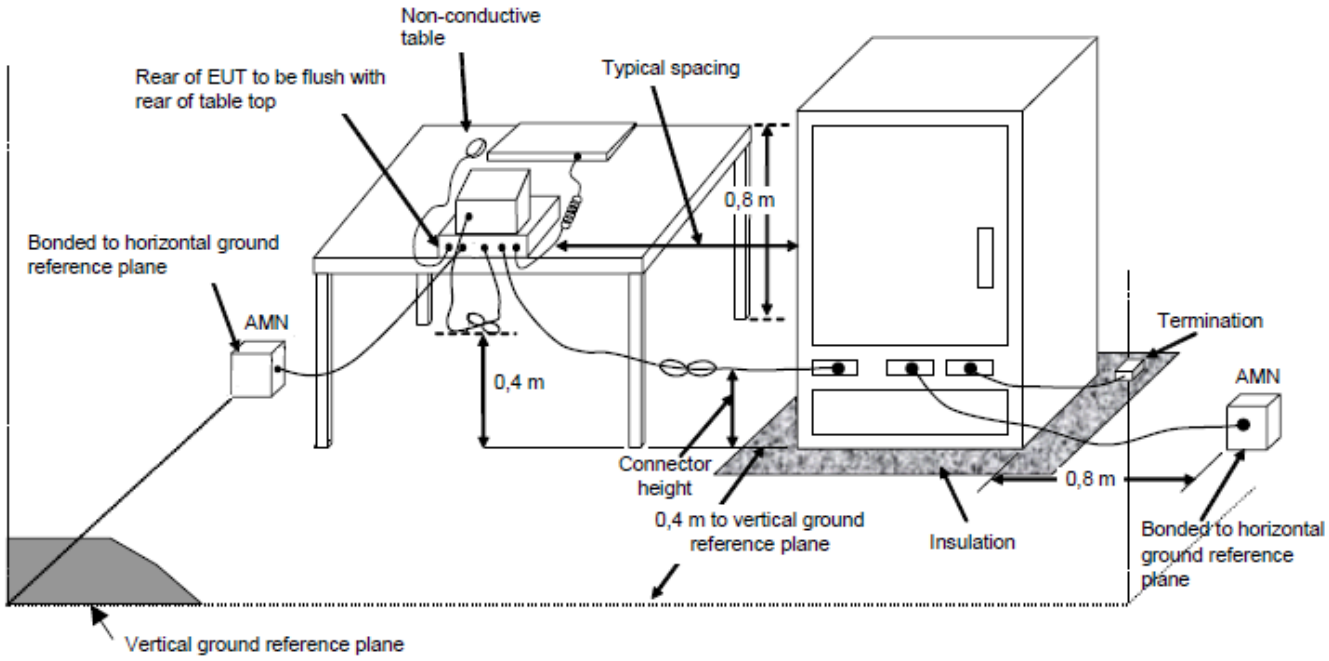
6.1 Conducted Emissions from Power Ports

a. For the table-top EUT is placed on a 0.8 meter insulation table; for 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.

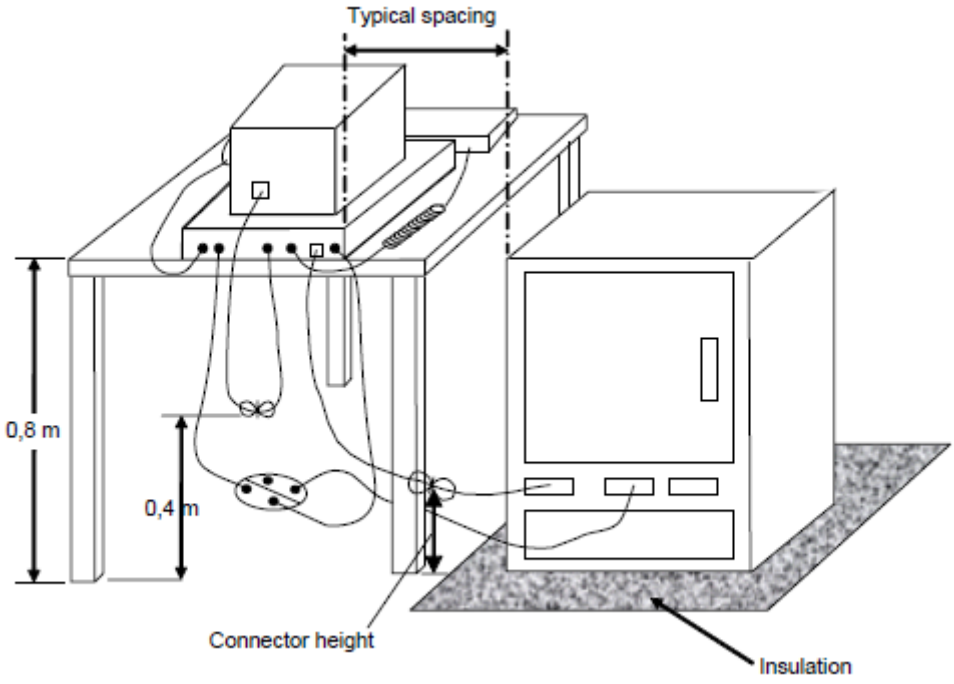


For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

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 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.

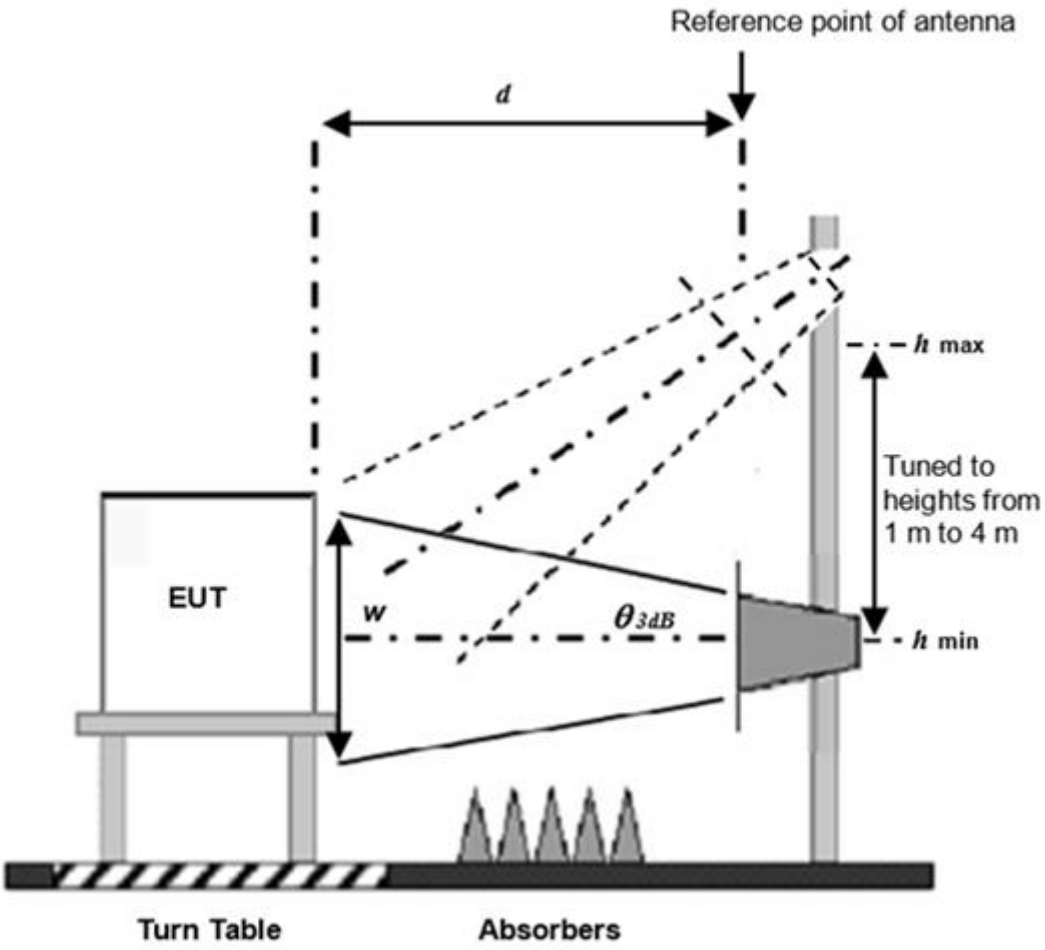


For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

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 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 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

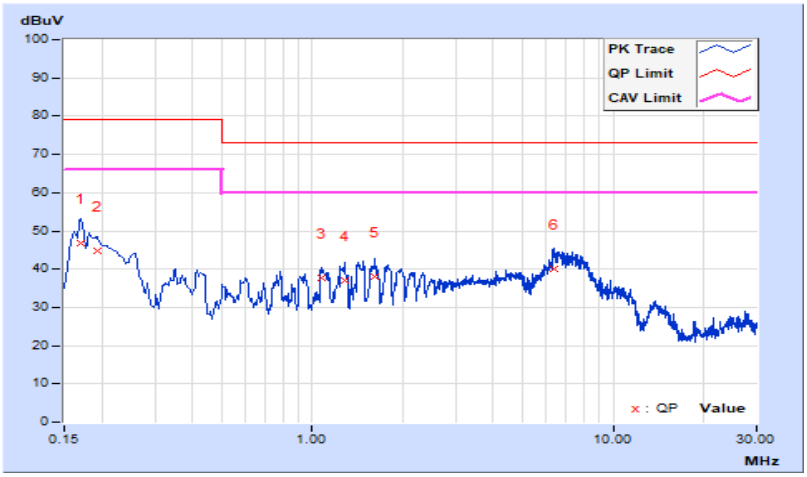
Mode A

Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 67% RH, 1005 mbar
Tested by	Adam Chen		

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	0.16973	12.42	34.53	28.47	46.95	40.89	79.00	66.00	-32.05	-25.11
2	0.19255	11.52	33.21	15.07	44.73	26.59	79.00	66.00	-34.27	-39.41
3	1.07880	10.38	27.26	17.06	37.64	27.44	73.00	60.00	-35.36	-32.56
4	1.27829	10.39	26.57	14.53	36.96	24.92	73.00	60.00	-36.04	-35.08
5	1.61852	10.39	27.55	15.23	37.94	25.62	73.00	60.00	-35.06	-34.38
6	6.33756	10.58	29.65	21.99	40.23	32.57	73.00	60.00	-32.77	-27.43

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

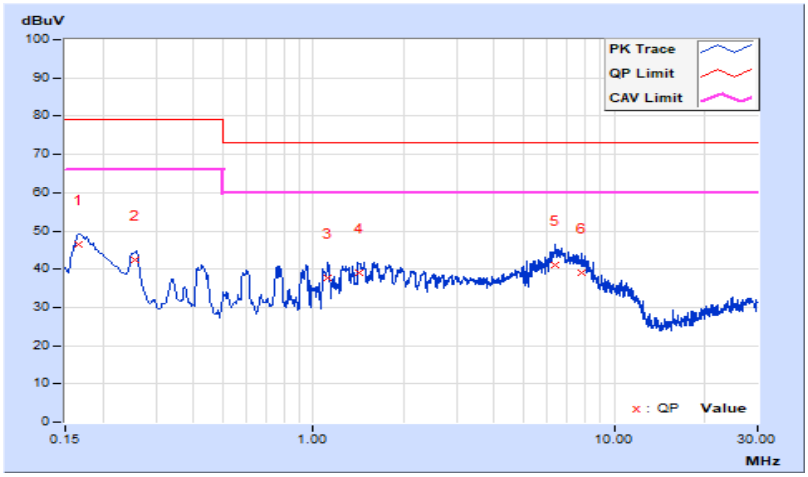


Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 67% RH, 1005 mbar
Tested by	Adam Chen		

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	0.16526	12.62	33.70	24.81	46.32	37.43	79.00	66.00	-32.68	-28.57
2	0.25551	11.06	31.45	26.64	42.51	37.70	79.00	66.00	-36.49	-28.30
3	1.12185	10.41	27.26	14.20	37.67	24.61	73.00	60.00	-35.33	-35.39
4	1.41733	10.41	28.66	19.26	39.07	29.67	73.00	60.00	-33.93	-30.33
5	6.39232	10.61	30.58	23.50	41.19	34.11	73.00	60.00	-31.81	-25.89
6	7.84330	10.66	28.36	21.57	39.02	32.23	73.00	60.00	-33.98	-27.77

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



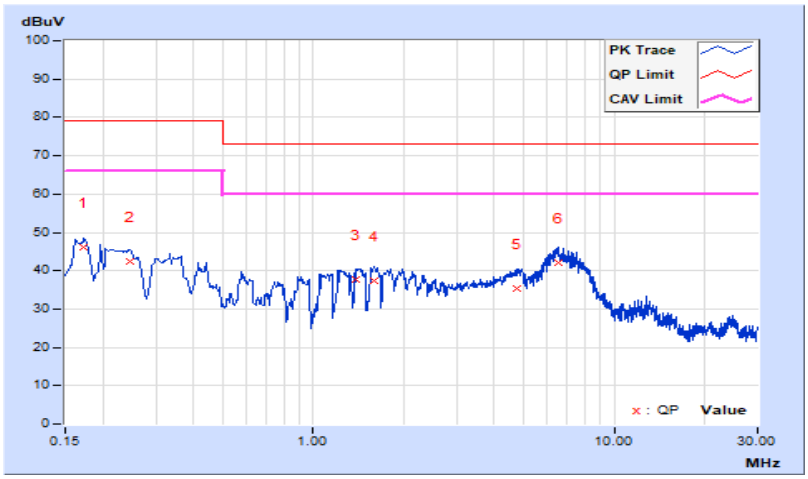
Mode B

Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	240 Vac, 60 Hz	**Environmental Conditions**	22 °C, 67% RH, 1004.8 mbar
Tested by	Adam Chen		

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	0.17347	12.27	33.89	25.85	46.16	38.12	79.00	66.00	-32.84	-27.88
2	0.24634	11.07	31.23	22.50	42.30	33.57	79.00	66.00	-36.70	-32.43
3	1.39171	10.39	27.22	13.05	37.61	23.44	73.00	60.00	-35.39	-36.56
4	1.59333	10.39	26.90	11.81	37.29	22.20	73.00	60.00	-35.71	-37.80
5	4.73568	10.52	24.88	15.80	35.40	26.32	73.00	60.00	-37.60	-33.68
6	6.49791	10.59	31.35	23.90	41.94	34.49	73.00	60.00	-31.06	-25.51

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

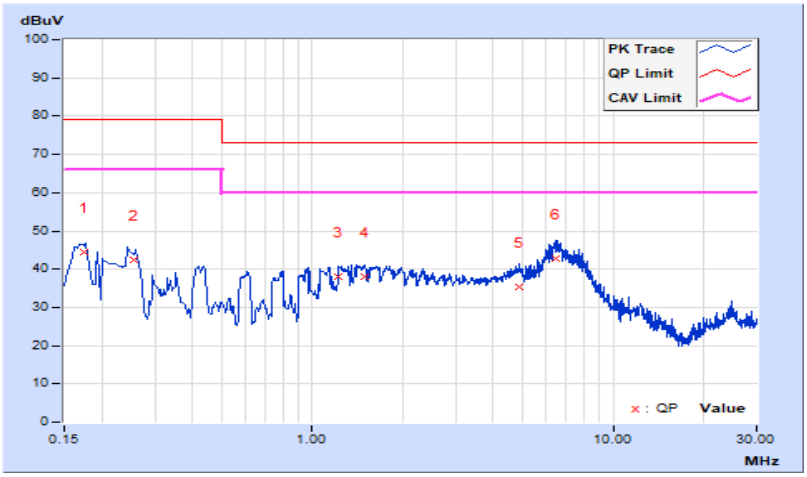


Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	240 Vac, 60 Hz	**Environmental Conditions**	22 °C, 67% RH, 1004.7 mbar
Tested by	Adam Chen		

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	0.17548	12.22	32.06	24.07	44.28	36.29	79.00	66.00	-34.72	-29.71
2	0.25444	11.06	31.45	24.70	42.51	35.76	79.00	66.00	-36.49	-30.24
3	1.21962	10.41	27.53	12.91	37.94	23.32	73.00	60.00	-35.06	-36.68
4	1.49093	10.41	27.54	15.32	37.95	25.73	73.00	60.00	-35.05	-34.27
5	4.89596	10.55	24.94	16.32	35.49	26.87	73.00	60.00	-37.51	-33.13
6	**6.40797**	**10.61**	**32.18**	**24.61**	**42.79**	**35.22**	**73.00**	**60.00**	**-30.21**	**-24.78**

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

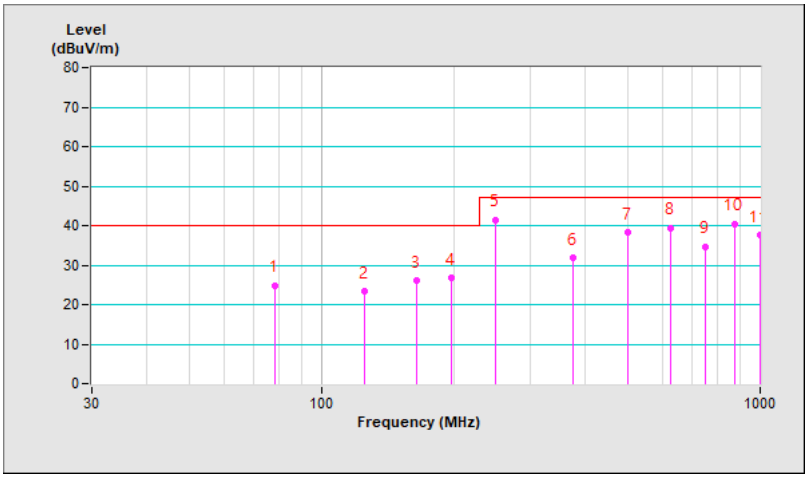
Mode A

Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP), 120 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21 °C, 74% RH, 1007 mbar
Tested By	Paul Chen		

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	78.33	24.88 QP	40.00	-15.12	4.00 H	316	38.68	-13.80
2	125.08	23.28 QP	40.00	-16.72	4.00 H	285	32.21	-8.93
3	165.04	25.95 QP	40.00	-14.05	4.00 H	240	35.97	-10.02
4	198.27	26.66 QP	40.00	-13.34	4.00 H	206	37.14	-10.48
5	**249.99**	**41.41 QP**	**47.00**	**-5.59**	**3.78 H**	**291**	**47.73**	**-6.32**
6	375.02	31.70 QP	47.00	-15.30	3.29 H	29	35.55	-3.85
7	500.01	38.20 QP	47.00	-8.80	1.93 H	242	39.36	-1.16
8	625.01	39.39 QP	47.00	-7.61	1.41 H	338	37.34	2.05
9	750.38	34.55 QP	47.00	-12.45	1.00 H	117	29.95	4.60
10	875.00	40.28 QP	47.00	-6.72	1.00 H	213	34.22	6.06
11	999.99	37.53 QP	47.00	-9.47	1.00 H	289	28.89	8.64

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

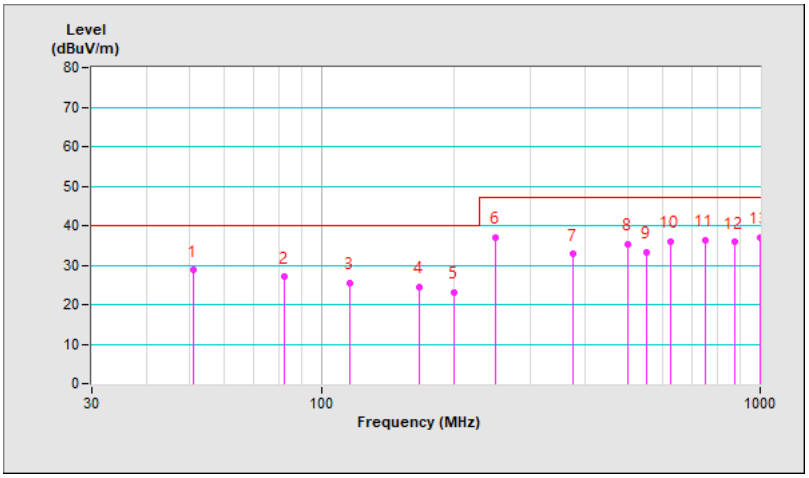


Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP), 120 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21 °C, 74% RH, 1007 mbar
Tested By	Paul Chen		

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	51.27	28.69 QP	40.00	-11.31	1.39 V	98	42.57	-13.88
2	82.39	27.01 QP	40.00	-12.99	2.14 V	126	40.30	-13.29
3	116.28	25.55 QP	40.00	-14.45	1.00 V	263	34.56	-9.01
4	167.38	24.56 QP	40.00	-15.44	1.00 V	320	34.69	-10.13
5	200.08	23.08 QP	40.00	-16.92	1.00 V	169	33.55	-10.47
6	250.05	37.04 QP	47.00	-9.96	1.00 V	144	43.35	-6.31
7	375.02	32.74 QP	47.00	-14.26	1.00 V	250	36.59	-3.85
8	499.99	35.40 QP	47.00	-11.60	1.00 V	137	36.56	-1.16
9	550.03	33.14 QP	47.00	-13.86	2.75 V	189	32.01	1.13
10	625.20	35.93 QP	47.00	-11.07	3.29 V	289	33.88	2.05
11	750.33	36.32 QP	47.00	-10.68	2.62 V	254	31.72	4.60
12	875.33	35.82 QP	47.00	-11.18	2.44 V	148	29.75	6.07
13	999.99	37.02 QP	47.00	-9.98	2.03 V	147	28.38	8.64

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

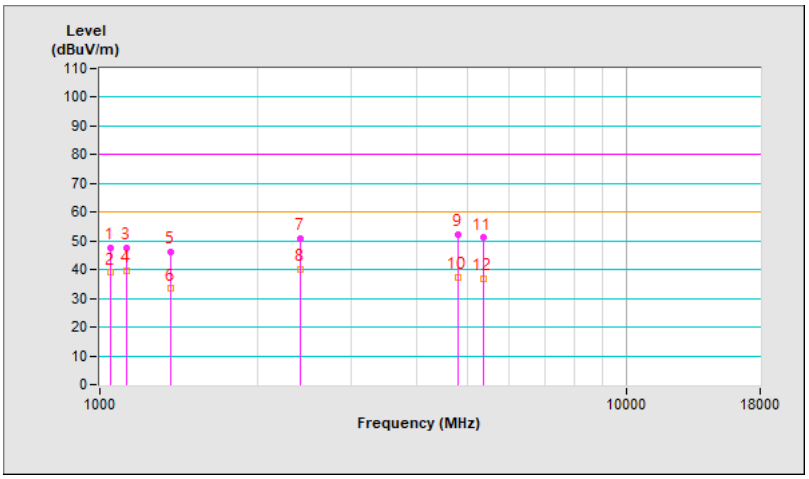
Mode A

Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Resolution Bandwidth**	Peak (PK) / Average (AV), 1 MHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20 °C, 77% RH, 1006.3 mbar
Tested By	Tony Hsu		

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	1049.99	47.51 PK	80.00	-32.49	1.25 H	109	51.59	-4.08
2	1049.99	39.04 AV	60.00	-20.96	1.25 H	109	43.12	-4.08
3	1124.89	47.53 PK	80.00	-32.47	1.13 H	106	50.64	-3.11
4	1124.89	39.71 AV	60.00	-20.29	1.13 H	106	42.82	-3.11
5	1360.40	46.15 PK	80.00	-33.85	3.17 H	305	47.45	-1.30
6	1360.40	33.42 AV	60.00	-26.58	3.17 H	305	34.72	-1.30
7	2399.67	50.72 PK	80.00	-29.28	1.58 H	197	47.67	3.05
8	**2399.67**	**40.19 AV**	**60.00**	**-19.81**	**1.58 H**	**197**	**37.14**	**3.05**
9	4791.57	52.16 PK	80.00	-27.84	1.72 H	163	46.69	5.47
10	4791.57	37.44 AV	60.00	-22.56	1.72 H	163	31.97	5.47
11	5349.17	51.08 PK	80.00	-28.92	2.14 H	200	44.25	6.83
12	5349.17	37.05 AV	60.00	-22.95	2.14 H	200	30.22	6.83

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

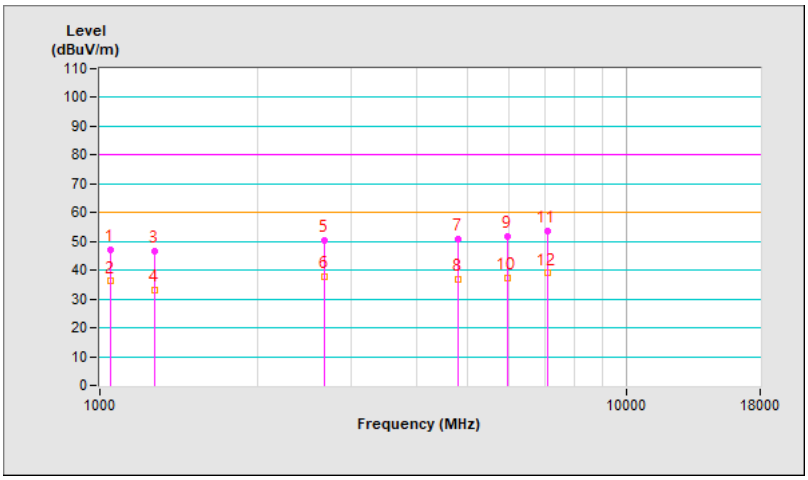


Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Resolution Bandwidth**	Peak (PK) / Average (AV), 1 MHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20 °C, 77% RH, 1006.3 mbar
Tested By	Tony Hsu		

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	1050.05	47.10 PK	80.00	-32.90	2.79 V	2	51.16	-4.06
2	1050.05	36.13 AV	60.00	-23.87	2.79 V	2	40.19	-4.06
3	1268.03	46.84 PK	80.00	-33.16	3.14 V	188	48.19	-1.35
4	1268.03	33.00 AV	60.00	-27.00	3.14 V	188	34.35	-1.35
5	2670.53	50.55 PK	80.00	-29.45	2.56 V	210	47.16	3.39
6	2670.53	37.88 AV	60.00	-22.12	2.56 V	210	34.49	3.39
7	4798.37	50.86 PK	80.00	-29.14	2.47 V	192	45.37	5.49
8	4798.37	36.84 AV	60.00	-23.16	2.47 V	192	31.35	5.49
9	5963.43	51.93 PK	80.00	-28.07	2.88 V	316	44.94	6.99
10	5963.43	37.29 AV	60.00	-22.71	2.88 V	316	30.30	6.99
11	7092.80	53.50 PK	80.00	-26.50	1.92 V	331	45.79	7.71
12	7092.80	38.94 AV	60.00	-21.06	1.92 V	331	31.23	7.71

Remarks:

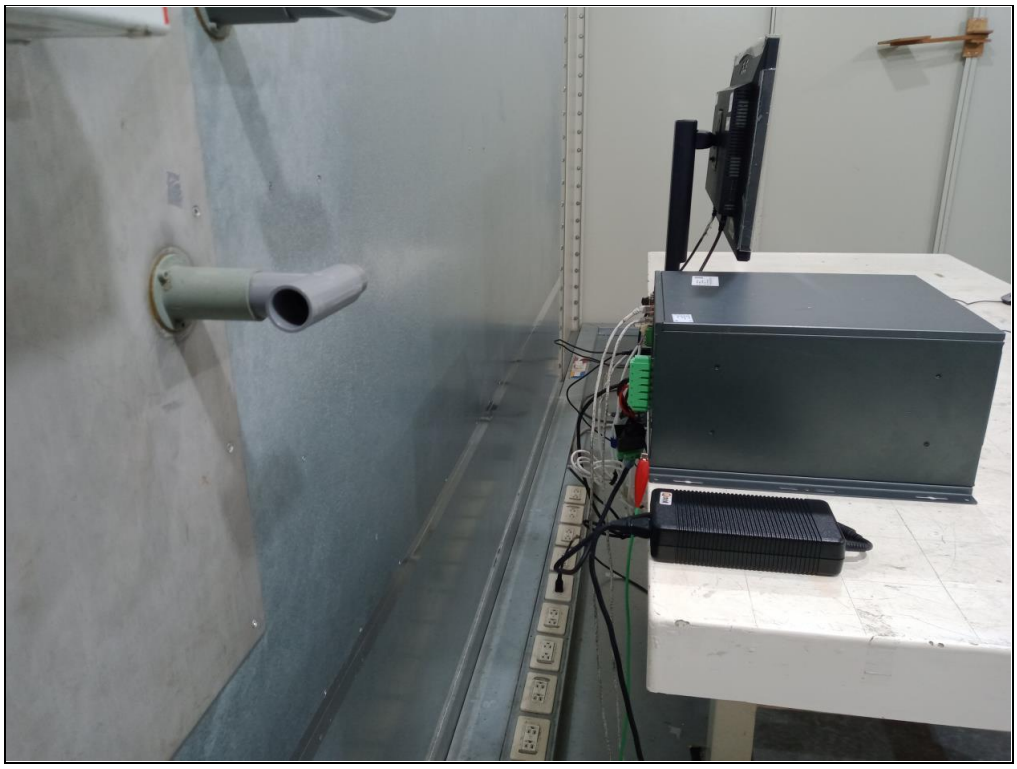
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value



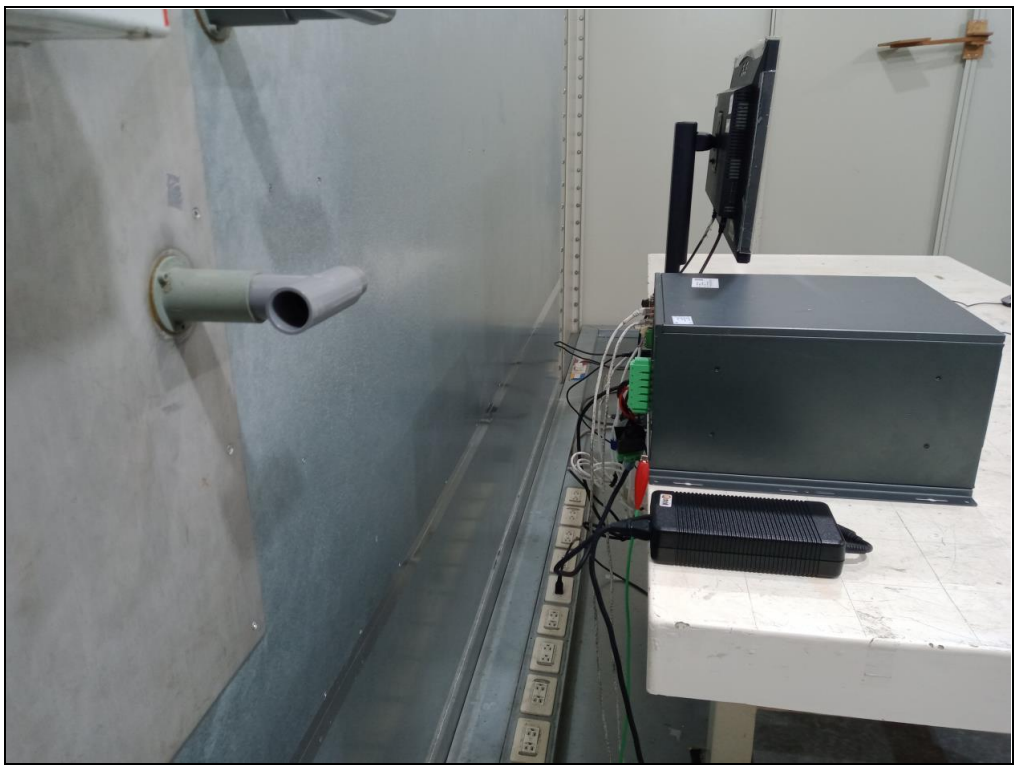
8 Pictures of Test Arrangements

8.1 Conducted Emissions from Power Ports

Mode A



Mode B

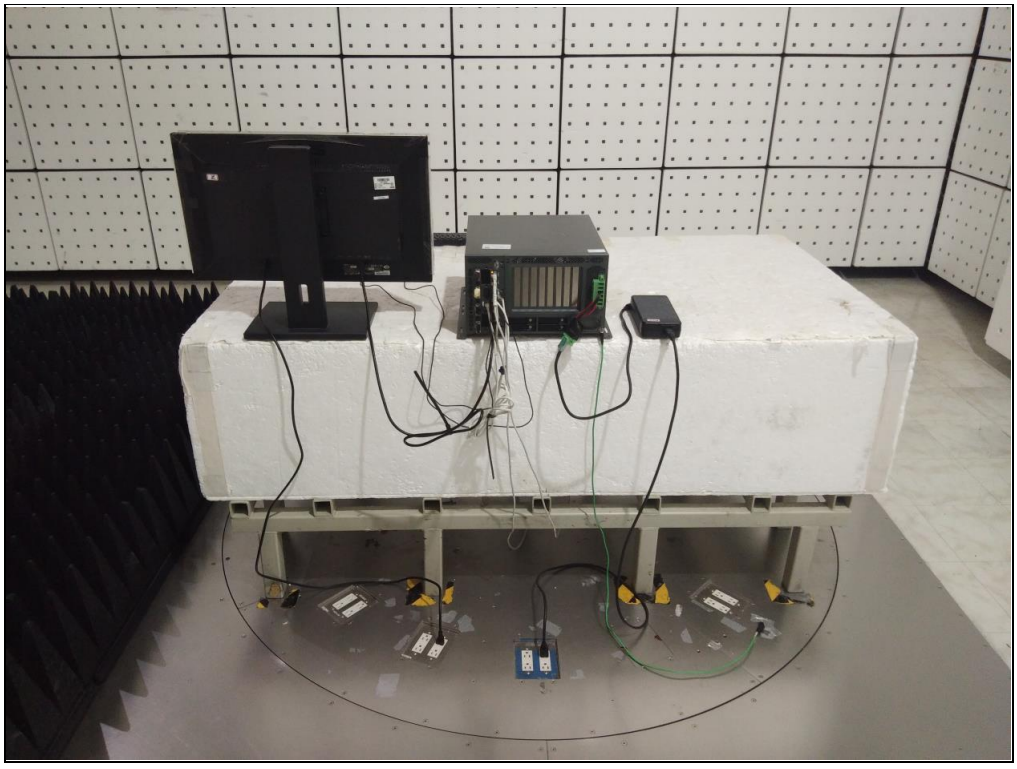


8.2 Radiated Emissions up to 1 GHz

Mode A

8.3 Radiated Emissions above 1 GHz

Mode A



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.

If you have any comments, please feel free to contact us at the following:

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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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