

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: ICES-003: 2020 Issue 7, Class A

ICES-Gen: 2024 Issue 2

ANSI C63.4-2014 amended as per ANSI C63.4a-2017

Report No.: CIBDBO-WTW-P25060235

Product: Arm-based Edge Al Computing

Brand: Vecow

Model No.: EAC-4000

Received Date: 2025/6/10

Test Date: 2025/7/3 ~ 2025/7/4

Issued Date: 2025/8/5

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

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan **Test Location:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Approved by:	Jim	Historie	, Date:	2025/8/5	
	Jim Hsiang / Associat	e Technical Manager			

This test report consists of 29 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.





Prepared by: Jessica Cheng/ Senior Specialist

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at https://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Report No.: CIBDBO-WTW-P25060235 Page No. 1 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



Table of Contents

Relea	ase Control Record	3
1	Certificate	4
2	Summary of Test Results	5
2.1 2.2	,	
3	General Information	6
3.1 3.2 3.3 3.4 3.5 3.6 3.7	Primary Clock Frequencies of Internal Source	6 6 8 8
4	Test Instruments	10
4.1 4.2 4.3	2 Radiated Emissions up to 1 GHz	11
5	Limits of Test Items	13
5.1 5.2 5.3	2 Radiated Emissions up to 1 GHz	13
6	Test Arrangements	14
6.1 6.2 6.3	2 Radiated Emissions up to 1 GHz	15
7	Test Results of Test Item	17
7.1 7.2 7.3	2 Radiated Emissions up to 1 GHz	21
8	Pictures of Test Arrangements	25
8.1 8.2 8.3	2 Radiated Emissions up to 1 GHz	27
9	Information of the Testing Laboratories	29



Release Control Record

Issue No.	Description	Date Issued
CIBDBO-WTW-P25060235	Original release.	2025/8/5

Report No.: CIBDBO-WTW-P25060235 Page No. 3 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



1 Certificate

Product: Arm-based Edge Al Computing

Brand: Vecow

Test Model: EAC-4000

Series Model: EAC-4XXXXXXXXXXXXXXXXXXXXXX ("X" can be 0-0, A-Z, - or blank for marketing purpose)

Sample Status: Engineering sample

Applicant: Vecow Co., Ltd.

Test Date: 2025/7/3 ~ 2025/7/4

Standard: ICES-003: 2020 Issue 7, Class A

ICES-Gen: 2024 Issue 2

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.

Report No.: CIBDBO-WTW-P25060235 Page No. 4 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



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
IICES-003	Conducted Em Ports	issions from Power	Pass	Minimum passing Class A margin is -21.93 dB at 0.16125 MHz
ICES-003	Radiated Emis	sions up to 1 GHz	Pass	Minimum passing Class A margin is -8.86 dB at 148.51 MHz
ICES-003	Radiated Emis	sions above 1 GHz	l Pass	Minimum passing Class A margin is -19.84 dB at 6960.70 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	2.90 dB	3.4 dB (<i>U</i> _{cispr})
Radiated Emissions up to 1 GHz	30 MHz ~ 1 GHz	3m : 5.54 dB 10m : 4.16 dB	6.3 dB (<i>U</i> _{cispr})
Radiated Emissions above 1	1 GHz ~ 6 GHz	4.64 dB	5.2 dB (<i>U</i> cispr)
GHz	6 GHz ~ 18 GHz	4.46 dB	5.5 dB (<i>U</i> 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.

Report No.: CIBDBO-WTW-P25060235 Page No. 5 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



3 General Information

3.1 Description of EUT

Product	Arm-based Edge Al Computing
Brand	Vecow
Test Model	EAC-4000
Series Model	EAC-4XXXXXXXXXXXXXXXX ("X" can be 0-0, A-Z, - or blank for marketing purpose)
Sample Status	Engineering sample
Power Supply Rating	Refer to note as below

Note:

1. The EUT uses following accessories.

Item	Brand Model Specification		Specification
AC Adapter	FSP	ESPO60-DHAN3	AC Input : AC 100-240V, 50-60Hz, 1.8A (3Pin) DC Output : DC 12V, 5.0A, 60.0W (1.15m, with a core)

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 1.42 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
CPU	NVIDIA Jetson Orin™ NX/Nano, up to 100 TOPS AI performance (Orin Nano Super Mode Supported)
RAM	Up to 16GB LPDDR5
SSD	128GB NVMe

Report No.: CIBDBO-WTW-P25060235 Page No. 6 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



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

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

1110 201	Test Condition				
Mode	Mode Radiated Emissions up to 1 GHz				
1	1 Full system,HDMI 3840*2160,60Hz,Lan 1G link + upright				
2	2 Full system,HDMI 3840*2160,60Hz,Lan 1G link + lie flat				
Note: Th	e worst case is mode 2 shown in bold.				

Test modes are presented in the report as below.

	reat modes are presented in the report as below.				
	Test Condition				
Mode	Conducted Emissions from Power Ports				
Α	Full system,HDMI 3840*2160,60Hz,Lan 1G link + lie flat + Input Power(120 Vac, 60 Hz)				
В	Full system,HDMI 3840*2160,60Hz,Lan 1G link + lie flat + Input Power(240 Vac, 60 Hz)				
Mode	Radiated Emissions up to 1 GHz				
Α	Full system,HDMI 3840*2160,60Hz,Lan 1G link + lie flat + Input Power(120 Vac, 60 Hz)				
Mode	Radiated Emissions above 1 GHz				
Α	Full system,HDMI 3840*2160,60Hz,Lan 1G link + lie flat + Input Power(120 Vac, 60 Hz)				

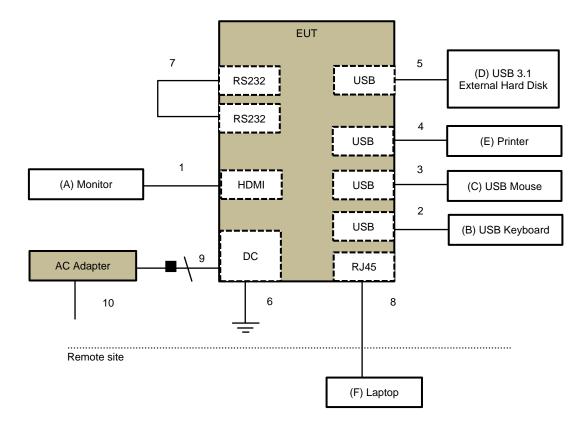
Report No.: CIBDBO-WTW-P25060235 Page No. 7 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



3.5 Test Program Used and Operation Descriptions

- a. Turned on the power of all equipment.
- b. EUT ran a test program (BurnIntest) to enable all functions.
- c. EUT read and wrote messages to/ from internal and external storage devices.
- d. EUT sent (H) message to monitor, and then displayed message on its screen.
- e. Laptop sent and received messages to/ from EUT via Lan cable.
- f. EUT sent messages to printer and printer printed them out.

3.6 Connection Diagram of EUT and Peripheral Devices



Report No.: CIBDBO-WTW-P25060235 Page No. 8 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



3.7 **Configuration of Peripheral Devices and Cable Connections**

ID	Product	Brand	Model No.	Serial No. FCC ID		Remarks
Α	Monitor	ASUS	PA279CV	M7LMTF235958 DoC		Provided by Lab
В	USB Keyboard	Dell	KB216t	CN-0W33XP- LO300-7CL-191E	N/A	Provided by Lab
С	USB Mouse	DELL	MOCZUL	CN-049TWY- PRC00-77B-008E	Ι ΝΙ/Δ	
D	USB 3.1 External Hard Disk	Transcend	SSD220S	SK21D1636D00W5	DoC	Provided by Lab
Е	Printer	HP	HP Officejet Pro 251dW	N/A B94SDGOB		Provided by Lab
F	Laptop	LENOVO	T480	PF1EZSA2	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	HDMI	1	2	Υ	0	Provided by Lab
2	USB	1	1.8	Υ	0	Provided by Lab
3	USB	1	1.8	Υ	0	Provided by Lab
4	USB	1	1.8	Υ	0	Provided by Lab
5	USB	1	1	Υ	0	Provided by Lab
6	GND (PE)	1	1.5	N	0	Provided by Lab
7	RS232	1	0.1	N	0	Supplied by applicant
8	Cat. 5e	1	10	N	0	Provided by Lab
9	Power	1	0.2	N	0	Supplied by applicant
10	Power	1	1.8	N	0	Provided by Lab

Page No. 9 / 29 Report Format Version: 7.1.1

Report No.: CIBDBO-WTW-P25060235 Reference No.: BDBO-WTW-P25060235



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	0900510	E1-01-305	2025/2/20	2026/2/19
LYNICS	0900310	E1-011484	2024/8/12	2025/8/11
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01622	2025/5/2	2026/5/1
EMI Test Receiver R&S	EPL 1000	101064	2025/4/17	2026/4/16
Fixed Attenuator STI	STI02-2200-10	NO.1	2024/9/12	2025/9/11
Highpass filter	150HPF-ME	114005	2025/5/2	2026/5/1
		114006	2025/5/2	2026/5/1
LIVICI	150HPF-MF	113009	2025/5/2	2026/5/1
LICN		100024	2024/9/6	2025/9/5
LISN R&S	ENV216	101196	2025/5/19	2026/5/18
Nas		101197	2024/7/11	2025/7/10
	NNLK 8121	8121-00759	2024/8/20	2025/8/19
LISN	ININLIX 0121	8121-808	2025/4/23	2026/4/22
Schwarzbeck	NNLK 8129	00624	2024/10/9	2025/10/8
	ININLIN 0129	8129229	2024/10/14	2025/10/13
RF Coaxial Cable PEWC	5D-FB	Cable-CO10-01	2025/2/5	2026/2/4
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 10.

2. The VCCI Site Registration No. C-11852.

3. Tested Date: 2025/7/3

Report No.: CIBDBO-WTW-P25060235 Page No. 10 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



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	2024/10/8	2025/10/7	
Coupling / Decoupling	CDNE-M2	00097	2025/5/28	2026/5/27	
Network Schwarzbeck	CDNE-M3	00091 2025/3/20		2026/3/19	
EMI Test Receiver R&S	ESCS 30	100292	2024/9/18	2025/9/17	
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ST2-01	2024/10/19	2025/10/18	
Preamplifier HP	8447D	2727A05786	2025/2/14	2026/2/13	
RF Coaxial Cable Pacific	8D-FB	Cable-ST2-01	2024/11/6	2025/11/5	
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: 2024/7/13 (NSA) 2. The VCCI Site Registration No. R-10237.
- 3. Tested Date: 2025/7/4

Report No.: CIBDBO-WTW-P25060235 Reference No.: BDBO-WTW-P25060235



Radiated Emissions above 1 GHz 4.3

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fix tool for Boresight antenna tower BV	BAF-01	9	N/A	N/A
Fixed Attenuator	BW-K3-2W44+	PAD-CH7-03	2024/7/5 2025/7/4	2025/7/4 2026/7/3
Mini-Circuits	BW-N4W5+	PAD-CH10-02	2024/7/5 2025/7/4	2025/7/4 2026/7/3
Horn Antenna EMCO	3115	6714	2024/11/10	2025/11/9
Horn Antenna ETS-Lindgren	3117-PA	00215857	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	BBHA9170190	2024/11/10	2025/11/9
MXA Signal Analyzer	NOOOD	MY60110438	2024/12/5	2025/12/4
Keysight	N9020B	MY60112260	2025/5/26	2026/5/25
Notch Filter	BRC50703-01	010	2025/5/22	2026/5/21
Micro-Tronics	BRM17690	005	2025/5/22	2026/5/21
Preamplifier	EMC0126545	980076	2025/2/14	2026/2/13
EMCI	EMC184045B	980235	2025/2/14	2026/2/13
Preamplifier HP	8449B	3008A01292	2025/2/14	2026/2/13
RF Coaxial Cable	EM102-KMKM-100	02	2024/7/5 2025/7/4	2025/7/4 2026/7/3
EMEC	EM102-KMKM-350	01	2024/7/5 2025/7/4	2025/7/4 2026/7/3
Software BVADT	Radiated_V8.8.09	N/A	N/A	N/A
Turn Table & Tower Max Full	MF7802	MF780208216	N/A	N/A

Notes:

- The test was performed in Linkou 966 Chamber 3 (CH 10).
 The VCCI Site Registration No. G-10427.
- 3. Tested Date: 2025/7/3 ~ 2025/7/4

Report No.: CIBDBO-WTW-P25060235 Page No. 12 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



5 Limits of Test Items

5.1 Conducted Emissions from Power Ports

Fraguenay (MHz)	Class A	(dBuV)	Class B (dBuV)		
Frequency (MHz)	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.

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 (<i>Fм</i>) (GHz)
F x ≤ 108 MHz	1
108 MHz < F X≤ 500 MHz	2
500 MHz < F X ≤ 1 GHz	5
Fx > 1 GHz	5 x Fx up to a maximum of 40 GHz

Radiated Emissions Limits at 3 meters (dBµV/m)						
Frequency range (GHz)	Class A	Class B				
1 – F M	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.

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.

Report No.: CIBDBO-WTW-P25060235 Page No. 13 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235

^{2.} The limit decreases linearly with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

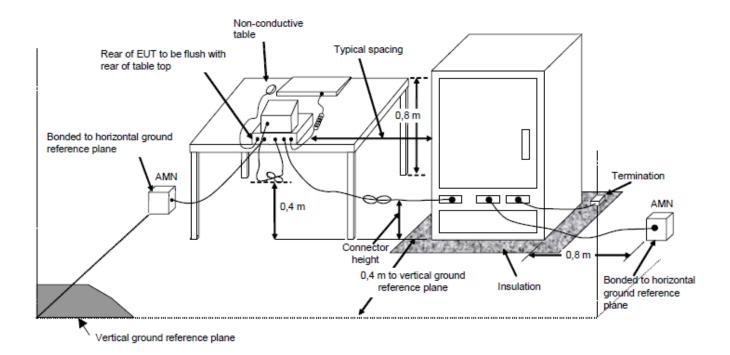


6 Test Arrangements

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.

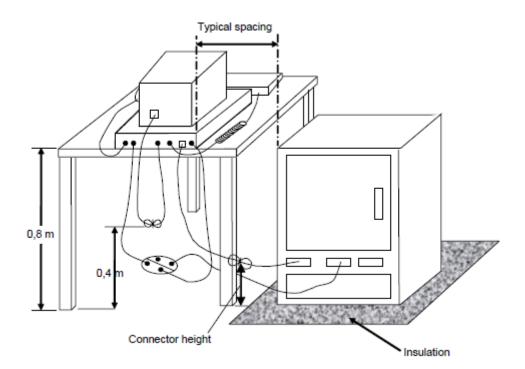
Report No.: CIBDBO-WTW-P25060235 Page No. 14 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



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.

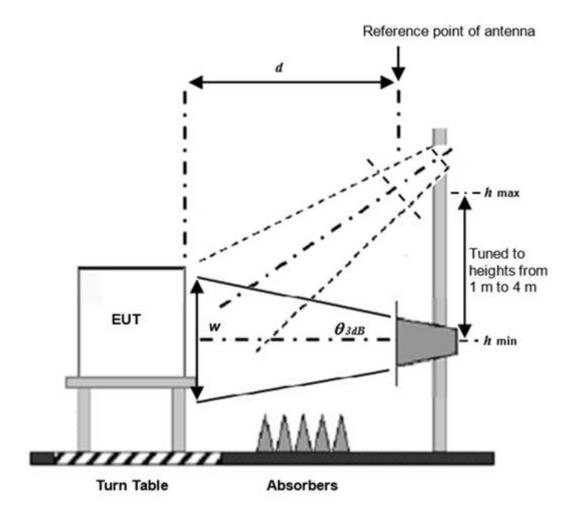
Report No.: CIBDBO-WTW-P25060235 Page No. 15 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



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.

Report No.: CIBDBO-WTW-P25060235 Page No. 16 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



7 Test Results of Test Item

7.1 Conducted Emissions from Power Ports

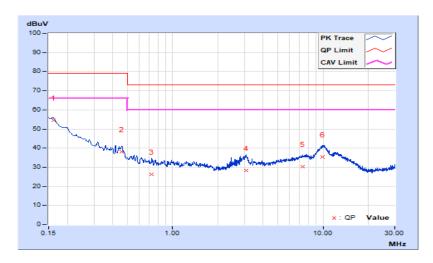
Mode A

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	25 °C, 66% RH, 997.4 mbar
Tested by	Desmond Chen		

	Phase Of Power : Line (L)									
No	Frequency	Correction Factor		g Value uV)		n Level uV)		mit suV)	Maı (d	gin B)
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16125	9.63	45.03	34.44	54.66	44.07	79.00	66.00	-24.34	-21.93
2	0.46028	9.62	28.30	21.74	37.92	31.36	79.00	66.00	-41.08	-34.64
3	0.72950	9.62	16.50	8.48	26.12	18.10	73.00	60.00	-46.88	-41.90
4	3.10325	9.67	18.61	9.86	28.28	19.53	73.00	60.00	-44.72	-40.47
5	7.30850	9.78	20.47	13.70	30.25	23.48	73.00	60.00	-42.75	-36.52
6	9.99050	9.84	25.44	19.14	35.28	28.98	73.00	60.00	-37.72	-31.02

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



Report No.: CIBDBO-WTW-P25060235 Page No. 17 / 29 Report Format Version: 7.1.1

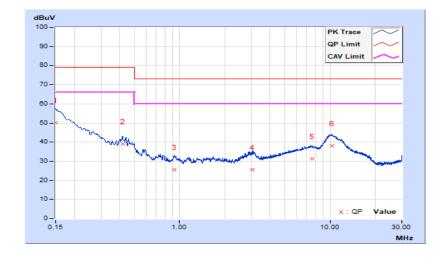


			VERITAS
Fraguency Banga	150 kHz ~ 30 MHz	Detector Function &	Quasi-Peak (QP) /
Frequency Range	150 KHZ ~ 30 MHZ	Resolution Bandwidth	Average (AV), 9 kHz
Innut Power	120 Vac, 60 Hz	Environmental	25 °C, 66% RH, 997.4 mbar
Input Power	120 Vac, 60 H2	Conditions	25 C, 00% KH, 997.4 IIIbai
Tested by	Desmond Chen		

	Phase Of Power : Neutral (N)									
No	Frequency	Correction Factor		g Value uV)		n Level uV)		mit uV)		rgin B)
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.62	40.45	33.67	50.07	43.29	79.00	66.00	-28.93	-22.71
2	0.41744	9.59	29.33	23.19	38.92	32.78	79.00	66.00	-40.08	-33.22
3	0.91850	9.62	16.04	7.80	25.66	17.42	73.00	60.00	-47.34	-42.58
4	3.05150	9.66	16.01	7.65	25.67	17.31	73.00	60.00	-47.33	-42.69
5	7.56275	9.77	21.52	14.73	31.29	24.50	73.00	60.00	-41.71	-35.50
6	10.26725	9.84	28.06	21.78	37.90	31.62	73.00	60.00	-35.10	-28.38

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



Report No.: CIBDBO-WTW-P25060235 Reference No.: BDBO-WTW-P25060235

Page No. 18 / 29



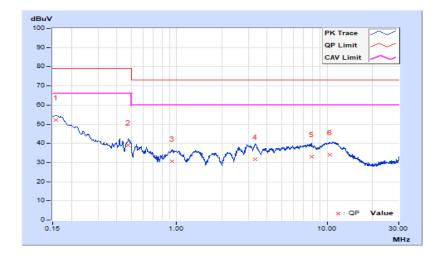
Mode B

Frequency Range	1150 KHZ ~ 30 MHZ		Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	1240 Vac 60 Hz	Environmental Conditions	25 °C, 66% RH, 997.4 mbar
Tested by	Desmond Chen		

	Phase Of Power : Line (L)									
No	Frequency	Correction Factor	Readin (dB	g Value uV)		n Level uV)		mit suV)		gin B)
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15715	9.63	42.63	33.16	52.26	42.79	79.00	66.00	-26.74	-23.21
2	0.47850	9.62	29.32	23.21	38.94	32.83	79.00	66.00	-40.06	-33.17
3	0.93875	9.62	20.86	10.92	30.48	20.54	73.00	60.00	-42.52	-39.46
4	3.31475	9.68	21.87	12.18	31.55	21.86	73.00	60.00	-41.45	-38.14
5	7.90925	9.79	23.11	16.05	32.90	25.84	73.00	60.00	-40.10	-34.16
6	10.39100	9.85	24.03	16.78	33.88	26.63	73.00	60.00	-39.12	-33.37

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



Report No.: CIBDBO-WTW-P25060235 Page No. 19 / 29 Reference No.: BDBO-WTW-P25060235

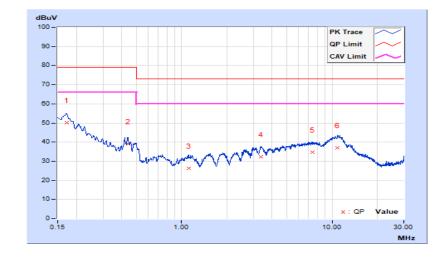


			VERITAS
Fraguency Bongo	150 kHz ~ 30 MHz	Detector Function &	Quasi-Peak (QP) /
Frequency Range	130 KI IZ * 30 IVII IZ	Resolution Bandwidth	Average (AV), 9 kHz
Input Bower	240 Vac, 60 Hz	Environmental	25 °C, 66% RH, 997.3 mbar
Input Power	240 Vac, 60 H2	Conditions	25 C, 00% KH, 997.5 IIIbai
Tested by	Desmond Chen		

	Phase Of Power : Neutral (N)									
No	Frequency	Correction Factor		g Value uV)		n Level uV)		mit uV)		rgin B)
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17146	9.61	40.67	32.83	50.28	42.44	79.00	66.00	-28.72	-23.56
2	0.44025	9.59	29.44	22.81	39.03	32.40	79.00	66.00	-39.97	-33.60
3	1.11179	9.63	16.74	8.31	26.37	17.94	73.00	60.00	-46.63	-42.06
4	3.36425	9.66	22.80	13.36	32.46	23.02	73.00	60.00	-40.54	-36.98
5	7.46097	9.77	24.83	17.96	34.60	27.73	73.00	60.00	-38.40	-32.27
6	10.87475	9.86	27.26	19.93	37.12	29.79	73.00	60.00	-35.88	-30.21

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



Report No.: CIBDBO-WTW-P25060235 Reference No.: BDBO-WTW-P25060235

Page No. 20 / 29



7.2 Radiated Emissions up to 1 GHz

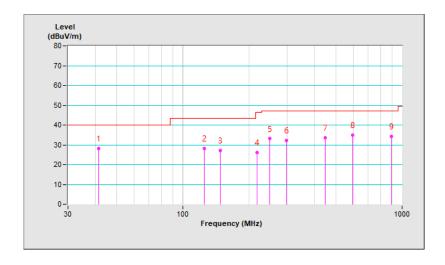
Mode A

Frequency Range	130 MHZ ~ 1 GHZ	Detector Function & Resolution Bandwidth	Quasi-Peak (QP), 120 kHz
Input Power	1120 Vac 60 Hz	Environmental Conditions	33 °C, 50% RH, 1000 mbar
Tested By	Paul Chen		

		Antenna	a Polarity & 1	Test Distance	e : Horizonta	I 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	41.33	28.16 QP	40.00	-11.84	4.00 H	235	37.90	-9.74
2	125.03	28.09 QP	43.50	-15.41	4.00 H	44	37.19	-9.10
3	148.49	27.28 QP	43.50	-16.22	4.00 H	336	36.89	-9.61
4	218.42	26.15 QP	46.40	-20.25	4.00 H	310	36.78	-10.63
5	250.01	33.09 QP	47.00	-13.91	4.00 H	48	40.23	-7.14
6	297.01	32.25 QP	47.00	-14.75	3.58 H	222	38.35	-6.10
7	445.50	33.64 QP	47.00	-13.36	2.17 H	149	36.71	-3.07
8	594.01	34.88 QP	47.00	-12.12	1.74 H	196	34.32	0.56
9	891.01	34.21 QP	47.00	-12.79	1.00 H	119	29.26	4.95

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. Margin value = Emission level Limit value
- 4. The other emission levels were very low against the limit.



Report No.: CIBDBO-WTW-P25060235 Page No. 21 / 29 Report Format Version: 7.1.1

Reference No.: BDBO-WTW-P25060235

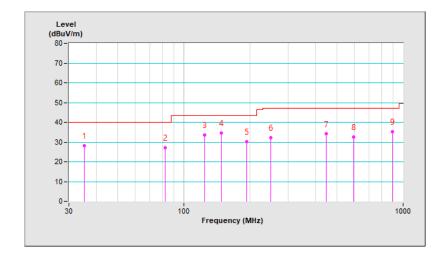


			VERITAS
Eroguanov Banga	30 MHz ~ 1 GHz	Detector Function &	Quasi-Peak (QP), 120 kHz
Frequency Range	30 MHZ ~ 1 GHZ	Resolution Bandwidth	Quasi-Peak (QP), 120 kHz
Innut Dower	120 Vos. 60 Hz	Environmental	22 °C 500/ DH 1000 mbor
Input Power	120 Vac, 60 Hz	Conditions	33 °C, 50% RH, 1000 mbar
Tested By	Paul 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	35.16	28.24 QP	40.00	-11.76	1.37 V	229	40.66	-12.42		
2	82.23	27.12 QP	40.00	-12.88	2.17 V	330	40.85	-13.73		
3	124.99	33.58 QP	43.50	-9.92	1.00 V	146	42.69	-9.11		
4	148.51	34.64 QP	43.50	-8.86	1.00 V	258	44.26	-9.62		
5	194.21	30.09 QP	43.50	-13.41	1.00 V	111	41.65	-11.56		
6	250.01	32.28 QP	47.00	-14.72	1.00 V	169	39.42	-7.14		
7	445.51	34.15 QP	47.00	-12.85	1.00 V	182	37.22	-3.07		
8	594.01	32.71 QP	47.00	-14.29	3.22 V	298	32.15	0.56		
9	891.01	35.22 QP	47.00	-11.78	2.11 V	163	30.27	4.95		

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. Margin value = Emission level Limit value
- 4. The other emission levels were very low against the limit.



Report No.: CIBDBO-WTW-P25060235 Reference No.: BDBO-WTW-P25060235

Page No. 22 / 29



7.3 Radiated Emissions above 1 GHz

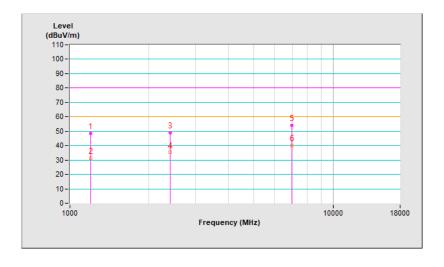
Mode A

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Resolution Bandwidth	Peak (PK) / Average (AV), 1 MHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 65% RH, 997.1 mbar
Tested By	Kenny Chang		

	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	1197.01	48.61 PK	80.00	-31.39	2.13 H	156	52.65	-4.04	
2	1197.01	31.27 AV	60.00	-28.73	2.13 H	156	35.31	-4.04	
3	2401.85	48.85 PK	80.00	-31.15	2.58 H	204	48.86	-0.01	
4	2401.85	35.27 AV	60.00	-24.73	2.58 H	204	35.28	-0.01	
5	6960.70	54.28 PK	80.00	-25.72	2.98 H	155	44.14	10.14	
6	6960.70	40.16 AV	60.00	-19.84	2.98 H	155	30.02	10.14	

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. Margin value = Emission level Limit value
- 4. The other emission levels were very low against the limit.



Report No.: CIBDBO-WTW-P25060235 Page No. 23 / 29 Report Format Version: 7.1.1

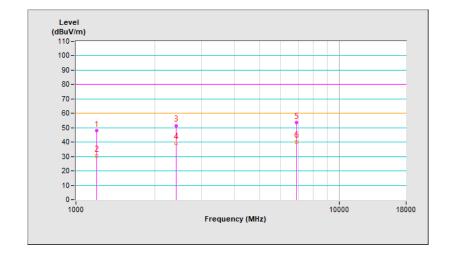


			VERITAS	
Eroguanov Banga	1 GHz ~ 18 GHz	Detector Function &	Dook (DK) / Average (AV) 1 MHz	
Frequency Range	1 GHZ ~ 10 GHZ	Resolution Bandwidth	Peak (PK) / Average (AV), 1 MH	
Innut Dower	120 Vac. 60 Hz	Environmental	24 °C 650/ DH 007 mbor	
Input Power	120 Vac, 60 Hz	Conditions	24 °C, 65% RH, 997 mbar	
Tested By	Kenny Chang			

	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	1196.55	47.79 PK	80.00	-32.21	3.04 V	355	51.84	-4.05		
2	1196.55	30.47 AV	60.00	-29.53	3.04 V	355	34.52	-4.05		
3	2399.34	51.42 PK	80.00	-28.58	1.21 V	218	51.43	-0.01		
4	2399.34	39.08 AV	60.00	-20.92	1.21 V	218	39.09	-0.01		
5	6894.30	53.41 PK	80.00	-26.59	2.18 V	167	43.41	10.00		
6	6894.30	40.12 AV	60.00	-19.88	2.18 V	167	30.12	10.00		

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. Margin value = Emission level Limit value
- 4. The other emission levels were very low against the limit.



Report No.: CIBDBO-WTW-P25060235 Page No. 24 / 29 Report Format Version: 7.1.1 Reference No.: BDBO-WTW-P25060235



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







Report Format Version: 7.1.1

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.

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

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

Lin Kou EMC/RF Lab

Tel: 886-2-26052180 Fax: 886-2-26051924

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232 Fax: 886-3-3270892

Email: service.adt@bureauveritas.com. Web Site: http://ee.bureauveritas.com.tw

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

--- END ---

Report No.: CIBDBO-WTW-P25060235 Page No. 29 / 29 Reference No.: BDBO-WTW-P25060235