FCC 47 CFR PART 15 SUBPART B

TEST REPORT

For

PCI Half-Size CPU Card

Model: HSB-811P

Trade Name: AAEON

Issued to

AAEON Technology Inc.
5F, No.135, Lane 235, Pao Chiao Rd., Hsin-Tien City,
Taipei, Taiwan, R.O.C.

Issued by

Compliance Certification Services Inc.
Hsintien Lab.
No. 165, Chunghsen Road, Hsintien City
Taipei Hsien, Taiwan
TEL: (02) 2217-0894
FAX: (02) 2217-1029

TABLE OF CONTENTS

1 TEST RESULT CERTIFICATION

Applicant:	**AAEON Technology Inc.** 5F, No.135, Lane 235, Pao Chiao Rd., Hsin-Tien City, Taipei, Taiwan, R.O.C.
Manufacturer:	**AAEON Technology Inc.** 5F, No.135, Lane 235, Pao Chiao Rd., Hsin-Tien City, Taipei, Taiwan, R.O.C.
Equipment Under Test:	PCI Half-Size CPU Card
Trade Name:	AAEON
Model:	HSB-811P
Detailed EUT Description:	See Item 2 of this report
Date of Test:	January 21, 2005 & January 24, 2005

Applicable Standard	Class / Limit	Test Result
FCC Part 15 Subpart B	Class A	No non-compliance noted
Deviation from Applicable Standard		
None		

The above equipment was tested by Compliance Certification Services Inc. for compliance with the requirements set forth in the FCC Rules and Regulations Part 15, Subpart B and the measurement procedures were according to ANSI C63.4. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

Approved by: ***Reviewed by:***

David Wang
Manager of Hsintien Laboratory
Compliance Certification Services Inc.

Vince Chiang
Section Manager of Hsintien Laboratory
Compliance Certification Services Inc.

2 EUT DESCRIPTION

Product	PCI Half-Size CPU Card
Trade Name	AAEON
Model	HSB-811P
Housing Type	Metal case
Power Adaptor Power Rating	110VAC~230VAC
AC Power During Test	120VAC / 60 Hz
Power Supply Manufacturer	Enhance
Power Supply Model Number	ENH-0620
AC Power Cord Type	Unshielded, 1.8m (Detachable)
OSC/Clock Frequencies	32.768kHz; 12MHz; 14.318MHz; 25MHz; 33MHz; 48MHz; 66MHz; 100MHz; 133MHz

I/O PORT OF EUT

I/O PORT TYPE	Q'TY	TESTED WITH
1). PIO Port	1	1
2). SIO Port	2	2
3). PS/2 one to two adaptor	1	1
4). VIDEO-OUT Port (VGA)	1	1
5). AUDIO OUT Port	1	1
6). MICROPHONE Port	1	1
7). EARPHONE Port	1	1
8). LAN Port	1	1
9). USB Port	5	5

Note: *Client consigns only one model sample (Model Number is HSB-811P) to test.*

3 TEST METHODOLOGY

3.1 EUT System Operation

1. Windows 2000 boots system.
2. Run Emctest.exe to activate all peripherals and display “H” pattern on monitor screen.
3. Run Winemc.exe and choose “E:/ & F:/ & G:/ & H:/ & I:/” to test USB 2.0 HDD.
4. Run Windows Media Player.exe to play music.
5. Press the start menu, select executive and type ping 192.168.0.10 –t(EUT), ping 192.168.0.1 –t(Server PC).

Note: *Test program is self-repeating throughout the test.*

3.2 Decision of final test mode

1. The following test mode were scanned during the preliminary test:

Conduction:

1. Normal Mode

Radiation:

1. Normal Mode
1-5GHz

2. After the preliminary scan, the following test mode was found to produce the highest emission level.

Conduction: Mode 1

Radiation: Mode 1

Then, the EUT configuration and cable configuration of the above highest emission mode was recorded for all final test items.

4 SETUP OF EQUIPMENT UNDER TEST

Setup Diagram

See test photographs attached in Appendix I for the actual connections between EUT and support equipment.

Support Equipment

EUT Devices:

No	Equipment	Model #	Serial #	FCC/BSMI ID	Trade Name
1	Backplane	BP-204SP-P3	N/A	N/A	AAEON
2	USB&Audio	PER-YC02	N/A	N/A	AAEON
3	Power supply	ENH-0620	N/A	N/A	Enhance
4	HDD	3.5" Serial Fireball3	N/A	N/A	Maxtor
5	CD-ROM	CD-2800D	N/A	N/A	NEC
6	CPU (600MHz)	Celeron-M	N/A	N/A	Intel
7	RAM DDR333 (256MB)	DD2508AMTA	N/A	N/A	ELPIDA
8	Motherboard	HSB-811P	N/A	N/A	AAEON

Peripherals Devices:

No	Equipment	Model	Serial No.	FCC/ BSMI ID	Trade Name	Data Cable	Power Cord
1	Ear. & Mic.	MSB301	N/A	N/A	e-Sense	Unshielded, 2.0m	N/A
2	Player	RQ-L11LT	N/A	BSMI ID: 3912A162	Panasonic	Unshielded, 1.8m	N/A
3	PS/2 Mouse	M071KC	443029525	DoC BSMI: R41108	DELL	Shielded, 1.8m	N/A
4	PS/2 Keyboard	SK-8110	N/A	DoC BSMI: T3A002	DELL	Shielded, 1.8m	N/A
5	USB 2.0 HDD	F12-U	N/A	BSMI ID: 4912A002	TeraSys	Shielded, 1.8m	N/A
6	USB 2.0 HDD	F12-U	N/A	BSMI ID: 4912A002	TeraSys	Shielded, 1.8m	N/A
7	USB 2.0 HDD	ME-911	N/A	BSMI: D33031	PORTABLE	Shielded, 1.8m	N/A
8	USB 2.0 HDD	ME-911	N/A	BSMI: D33031	PORTABLE	Shielded, 1.8m	N/A
9	USB 2.0 HDD	ME-911	N/A	BSMI: D33031	PORTABLE	Shielded, 1.8m	N/A
10	Printer	C20SX	N/A	BSMI ID: 3902E004	EPSON	Shielded, 1.8m	Unshielded, 1.8m
11	Monitor	202P40	BZ000405640110	FCC ID: A3KM107 BSMI: R33048	PHILIPS	Shielded, 1.8m with two cores	Unshielded, 1.8m
12	Modem	5JEG4033MKO	N/A	5RJTAI-35500-M5-E	TOP-SOLUTION	Shielded, 1.0m	Unshielded, 1.8m
13	Modem	5JEG4033MKO	N/A	5RJTAI-35500-M5-E	TOP-SOLUTION	Shielded, 1.0m	Unshielded, 1.8m
14	Server PC	P Evo D510C	7308-KN8Z-0010	BSMI ID: 3912Q007	COMPAQ	Unshielded, 20m	Unshielded, 1.8m with a core

Note: *All the above equipment/cables were placed in worse case positions to maximize emission signals during emission test.*
Grounding: *Grounding was in accordance with the manufacturer's requirements and conditions for the intended use.*

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at CCS Taiwan Hsintien Lab at No. 165, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan.

The measurement facilities are constructed in conformance with the requirements of CISPR 16-1, ANSI C63.4 and other equivalent standards.

5.2 LABORATORY ACCREDITATIONS AND LISTINGS

The test facilities used to perform Electromagnetic compatibility tests are registered or accredited by the organizations listed in the following table which includes the recognized scope specifically.

Country	Agency	Scope of Accreditation	Logo
USA	A2LA	CFR 47, FCC Part 15/18 using ANSI 63.4; AS/NZS 3548; VCCI V3; CNS 13438; CNS 13439; CNS 13783; CNS 14115; CISPR 11/EN 55011; CISPR 14-1/EN 55014-1; CISPR 15/EN 55015; CISPR 22/EN 55022; EN 50081-1/EN 61000-6-3; EN 50082-1/EN 61000-6-4; IEC/EN 61000-4-2, IEC/EN 61000-4-3, IEC/EN 61000-4-4, IEC/EN 61000-4-5, IEC/EN 61000-4-6, IEC/EN 61000-4-8, IEC/EN 61000-4-11, IEC/EN 61000-3-2, IEC/EN 61000-3-3; CISPR 24/EN 55024; CISPR 14-2/EN 55014-2; EN 50081-2/EN 61000-6-1; EN 50082-2/EN 61000-6-2.	ACCREDITED 824.01
USA	FCC	3/10 meter Open Area Test Sites to perform FCC Part 15/18 measurements	250366
Japan	VCCI	3/10 meter Open Area Test Sites and Line Conducted Test Room to perform conducted/radiated measurements	R-1434/1630~4 C-1511/1882
Norway	NEMKO	EN 50081-1/2, EN 50082-1/2, IEC 61000-6-1/2/3/4, EN 50091-2, EN 50130-4, EN 55011, EN 55013, EN 55014-1/2, EN 55015, EN 55022, EN 55024, EN 61000-3-2/3, EN 61326-1, IEC 61000-4-2/3/4/5/6/8/11, Cispr 16-1/2/3/4	ELA 103
Taiwan	CNLA	47 CFR FCC Part 15 Subpart B, EN 61000-3-2, EN 61000-3-3, CNS 13439, CNS 13783-1, CNS 13438, AS/NZS 3548, VCCI, CNS 13022-1/2/3, EN 55022, EN 55013, EN 55014-1, EN 61000-4-2/3/4/5/6/8/11, ENV 50204, ENV 50141, ENV 50142	1108 ILAC MRA
Taiwan	BSMI	CNS 13438, CNS 13783-1, CNS 13439	SL2-IN-E-0005 SL2-A1-E-0005 SL2-R1-E-0005 SL2-R2-E-0005

Note: *No part of this report may be used to claim or imply product endorsement by CNLA, A2LA or other government agency.*

6 INSTRUMENT AND CALIBRATION

6.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

6.2 TEST AND MEASUREMENT EQUIPMENT

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and. other equivalent standards.

Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective manual.

Equipment Used for Emission Measurement

Open Area Test Site # I				
EQUIPMENT	**MFR**	**MODEL**	**SERIAL NUMBER**	**CAL. DUE**
SITE NSA	CCS	I Site	N/A	09/17/2005
MEASURE RECEIVER	SCHAFFNER	SCR3501	338	07/05/2005
SPECTRUM ANALYZER	ADVANTEST	R3132	120900008	No Calibration Required
ANTENNA	SCHAFFNER	CBL 6112B	2809	09/24/2005
AMPLIFIER	SCHAFFNER	CPA9231A	3626	10/08/2005
CABLE	BELDEN	9913	N-TYPE #I1	10/08/2005
ATTENUATOR	MCL	UNAT-6	AT06-3	10/08/2005
THERMO-HYGRO METER	TFA	N/A	NO.2	11/09/2005
Above 1GHz Used				
EMC ANALYZER (100Hz-22GHz)	HP	8566B	2937A06102	07/26/2005
ANTENNA (1-18GHz)	EMCO	3115	5761	02/02/2005
AMPLIFIER (1-26.5GHz)	HP	8449B	3008A01266	02/15/2005
CABLE (1-18GHz)	JYEBAO HUBER+SUHNER	LL142 SUCOFLEX 104	SMA-RS1&2 SMA-RS3	02/15/2005

Note: *The measurement uncertainty is less than +/- 3.36dB, which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.*

Conducted Emission Test Site # A				
EQUIPMENT	**MFR**	**MODEL**	**SERIAL NUMBER**	**CAL. DUE**
TEST RECEIVER	R&S	ESHS20	840455/006	03/07/2005
LISN (EUT)	SCHWARZBECK	NSLK 8127	8127382	01/03/2006
LISN	SOLAR	8012-50-R-24-BNC	8305114	01/03/2006
BNC CABLE	MIYAZAKI	5D-FB	BNC A1	01/30/2005
THERMO-HYGRO METER	TOP	HA-202	9303-1	03/24/2005

Note: *The measurement uncertainty is less than +/- 2.83dB, which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.*

7 LINE CONDUCTED & RADIATED EMISSION TEST

7.1 LIMIT

Maximum permissible level of Line Conducted Emission

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

Note: *The lower limit shall apply at the transition frequency.*

Maximum permissible level of Radiated Emission measured at 10 meter

FREQUENCY (MHz)	Class A (dBuV/m)	Class B (dBuV/m)
	Quasi-peak	Quasi-peak
30 – 230	40	30
230 - 1000	47	37

Note: *The lower limit shall apply at the transition frequency.*

Maximum permissible level of Radiated Emission measured at 3 meter

FREQUENCY (MHz)	Class A (dBuV/m)		Class B (dBuV/m)	
	Average	Peak	Average	Peak
Above 1000	59.3	79.3	53.9	73.9

Note: *The lower limit shall apply at the transition frequency.*

7.2 TEST PROCEDURE OF LINE CONDUCTED EMISSION

Procedure of Preliminary Test

- The EUT was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test system with EUT received AC power, 120V/60Hz, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane.
- All support equipment received power from a second LISN.
- The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a EMI Test Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to the Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Receiver.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.2 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.2 producing the highest emission level.
- The EUT configuration and cable configuration of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the test bench as per step 10 of the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the AV. limit in Q.P. mode, then the emission signal was re-checked using an AV. detector.
- The test data of the worst-case condition(s) was recorded.

Data Sample:

Freq. MHz	Read Level dBuV	Factor dB	Level dBuV	Limit dBuV	Over Limit dB	Reading Type (P/Q/A)	Line (L1/L2)
x.xx	42.95	0.55	43.50	73	-29.50	Q	L1

Freq. = Emission frequency in MHz
Read Level = Uncorrected Analyzer/Receiver reading
Factor = Insertion loss of LISN + Cable Loss
Level = Read Level + Factor
Limit = Limit stated in standard
Over Limit = Reading in reference to limit
P = Peak Reading
Q = Quasi-peak Reading
A = Average Reading
L1 = Hot side
L2 = Neutral side

Calculation Formula

Over Limit (dB) = Level (dBuV) – Limit (dBuV)

7.3 TEST PROCEDURE OF RADIATED EMISSION

Procedure of Preliminary Test

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC power source, 120V/60Hz, from the outlet socket under the turntable. All support equipment received power from another socket under the turntable.
- The antenna was placed at 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 5000MHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- The test mode(s) described in Item 3.2 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.2 producing the highest emission level.
- The EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for the final test.

Procedure of Final Test

- EUT and support equipment were set up on the turntable as per step 8 of the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 5000MHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recorded at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. reading is presented.
- The test data of the worst case condition(s) was recorded.

Data Sample:

Freq. MHz	Amptd dBuV/m	Margin dB	Limit dBuV/m	Reading dBuV	Factor dB/m	Reading Type (P/Q/A)	Pol. (H/V)
x.xx	26.2	-13.8	40	14	12.2	Q	H

Freq. = Emission frequency in MHz
Reading = Uncorrected Analyzer/Receiver reading
Factor = Antenna Factor + Cable Loss + Attenuator (3/6/10dB) – Amplifier Gain
Amptd = Uncorrected Analyzer/Receiver reading + Factor
Limit = Limit stated in standard
Margin = Reading in reference to limit
P = Peak Reading
Q = Quasi-peak Reading
A = Average Reading
H = Antenna Polarization: Horizontal
V = Antenna Polarization: Vertical

Calculation Formula

Margin (dB) = Amptd (dBuV/m) – Limit (dBuV/m)

7.4 TEST RESULTS

Line Conducted Emission

Model: HSB-811P **Test Mode:** Mode 1

Temperature: 23 °C **Humidity:** 56% RH

Test Results: Passed **Tested by:** Sam Hu

(The chart below shows the highest readings taken from the final data, see **Appendix II** for details.)

Six Highest Conducted Emission Readings							
Frequency Range Investigated				**150 kHz to 30 MHz**			
Freq (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Reading Type (P/Q/A)	Line (L1/L2)
0.150	**58.00**	**0.11**	**58.11**	**79.00**	**-20.89**	**P**	**L1**
7.100	**57.59**	**0.38**	**57.97**	**73.00**	**-15.03**	**P**	**L1**
7.486	**54.99**	**0.40**	**55.39**	**73.00**	**-17.61**	**P**	**L1**
8.105	**54.63**	**0.43**	**55.06**	**73.00**	**-17.94**	**P**	**L1**
7.100	**56.15**	**0.32**	**56.47**	**73.00**	**-16.53**	**P**	**L2**
8.105	**53.05**	**0.36**	**53.41**	**73.00**	**-19.59**	**P**	**L2**

NOTE: *The emission level was or more than 2dB below the Average limit, so no re-check anymore.*

Radiated Emission

Model: HSB-811P **Test Mode:** Mode 1

Temperature: 22°C **Humidity:** 56% RH

Test Results: Passed **Tested by:** Kevin Chang

(The chart below shows the highest readings taken from the final data, see **Appendix II** for details.)

Six Highest Radiated Emission Readings							
Frequency Range Investigated				**30 MHz to 1000 MHz at 10m**			
Freq (MHz)	Amptd (dBuV/m	Margin (dB)	Limit (dBuV/m)	Reading (dBuV)	Factor (dB/m)	Reading Type (P/Q/A)	Pol. (H/V)
70.0000	**34.61**	**-5.39**	**40.00**	**50.80**	**-16.19**	**Q**	**V**
135.2000	**36.65**	**-3.35**	**40.00**	**46.66**	**-10.01**	**P**	**V**
356.4200	**42.55**	**-4.45**	**47.00**	**47.48**	**-4.93**	**P**	**V**
651.3600	**41.88**	**-5.12**	**47.00**	**41.49**	**0.39**	**P**	**V**
282.6600	**42.73**	**-4.27**	**47.00**	**49.89**	**-7.16**	**P**	**H**
331.8400	**41.13**	**-5.87**	**47.00**	**46.85**	**-5.72**	**P**	**H**

NOTE: *30M to 1000M test is Applicable CISPR 22 / EN 55022 standard.*

APPENDIX I - PHOTOGRAPHS OF TEST SETUP

LINE CONDUCTED EMISSION TEST

RADIATED EMISSION TEST

APPENDIX II - TEST RESULT OF FINAL DATAS

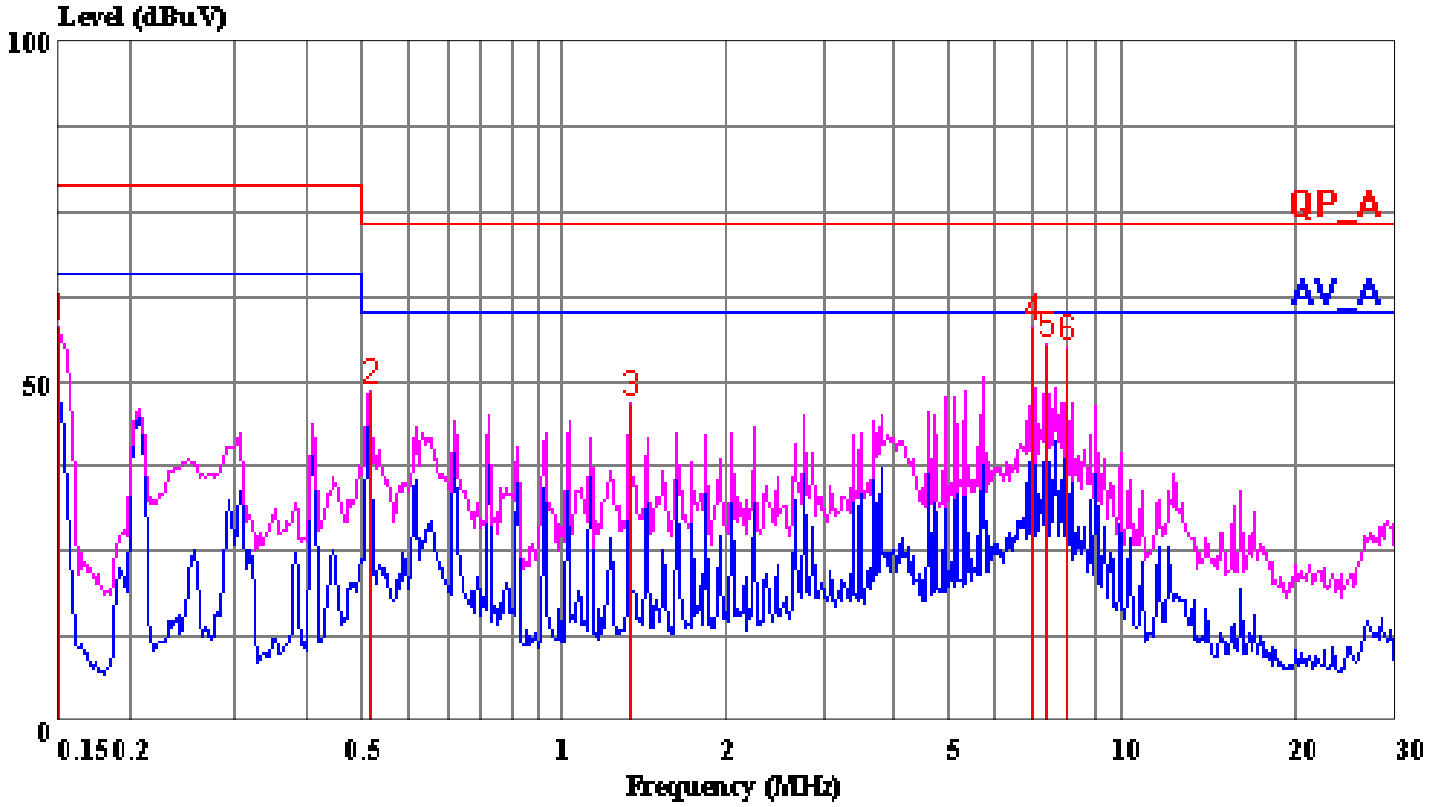
Conducted Emission Plot

Radiated Emission Data

COMPLIANCE Engineering Service, Inc.
FCC,VCCI,CISPR,CE
UL,CSA,TUV

No. 199, Chung Sheng Road,
Hsin Tien City, Taipei,
Taiwan, R.O.C.
Tel:02-2217-0894 Fax:02-2217-1029

Data#: 18 File#: 50121203C.EMI Date: 2005-01-24 Time: 15:56:50



(Conduction A)
Trace: 17 16 Ref Trace:

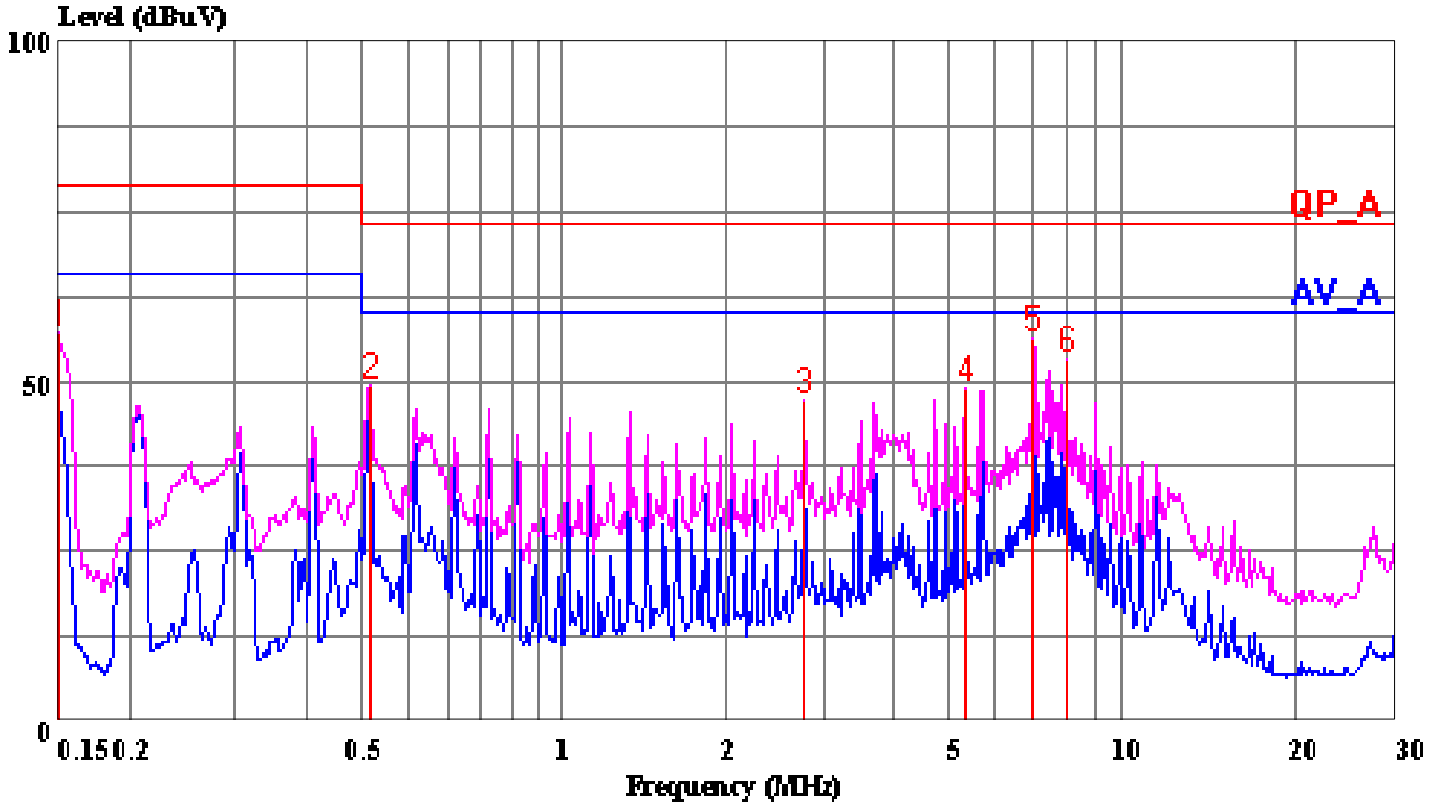
Condition: LINE
Report No. : 50121203
Test Engr. : SAM HU
Company   : AAEON Technology Inc.
EUT   : HSB-811P
Test Config : EUT / ALL PERIPHERALS
Type of Test: FCC CLASS A
Mode of Op. : NORMAL MODE

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	58.00	0.11	58.11	79.00	-20.89	Peak
2	0.516	48.31	0.12	48.43	73.00	-24.57	Peak
3	1.441	46.59	0.16	46.75	73.00	-26.25	Peak
4	7.100	57.59	0.38	57.97	73.00	-15.03	Peak
5	7.486	54.99	0.40	55.39	73.00	-17.61	Peak
6	8.105	54.63	0.43	55.06	73.00	-17.94	Peak

COMPLIANCE Engineering Service, Inc.
FCC,VCCI,CISPR,CE
UL,CSA,TUV

No. 199, Chung Sheng Road,
Hsin Tien City, Taipei,
Taiwan, R.O.C.
Tel:02-2217-0894 Fax:02-2217-1029

Data#: 21 File#: 50121203C.EMI Date: 2005-01-24 Time: 16:01:12



(Conduction A)

Trace: 20 19 Ref Trace:

Condition: NEUTRAL
Report No. : 50121203
Test Engr. : SAM HU
Company : AAEON Technology Inc.
EUT : HSB-811P
Test Config : EUT / ALL PERIPHERALS
Type of Test: FCC CLASS A
Mode of Op. : NORMAL MODE

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	56.90	0.11	57.01	79.00	-21.99	Peak
2	0.516	49.27	0.12	49.39	73.00	-23.61	Peak
3	2.884	46.90	0.17	47.07	73.00	-25.93	Peak
4	5.447	48.84	0.25	49.09	73.00	-23.91	Peak
5	7.100	56.15	0.32	56.47	73.00	-16.53	Peak
6	8.105	53.05	0.36	53.41	73.00	-19.59	Peak

COMPLIANCE
Engineering Services INC.

Site 1

Custom Name: AAEON Technology Inc.
Model Name: HSB-811P
Test Mode: NORMAL MODE

Project No.: 50121203
Engineer Name: Kevin Chang
Date: 2005-01-21

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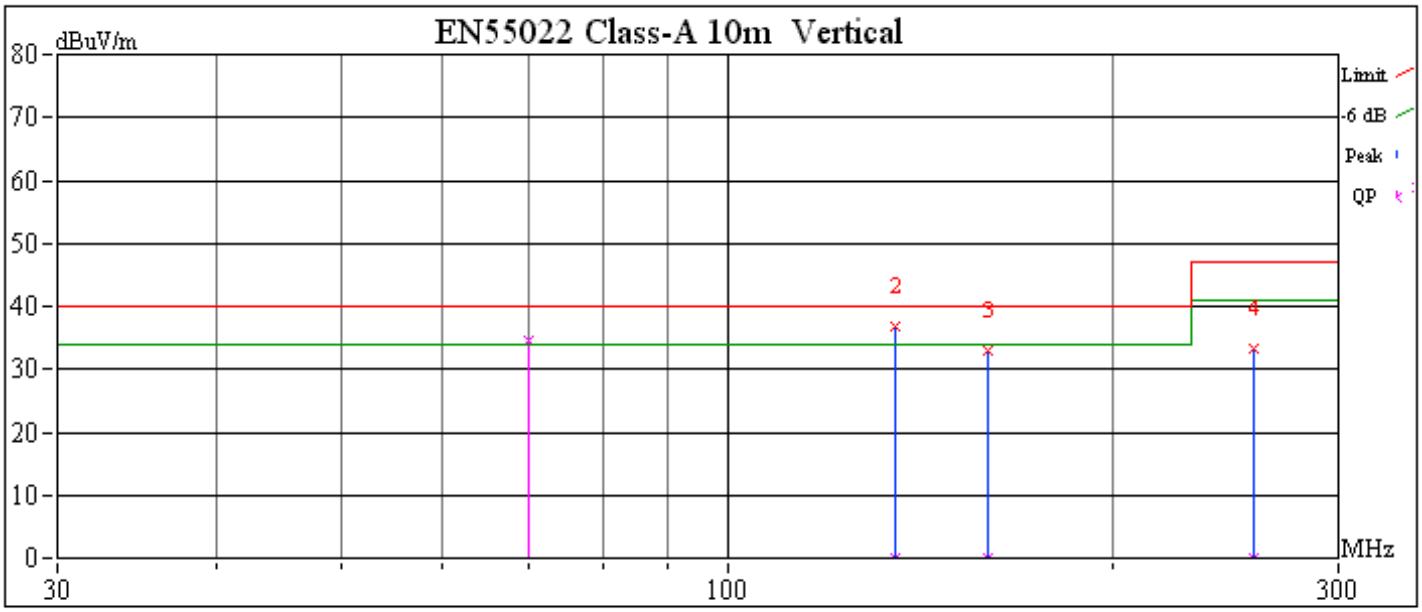
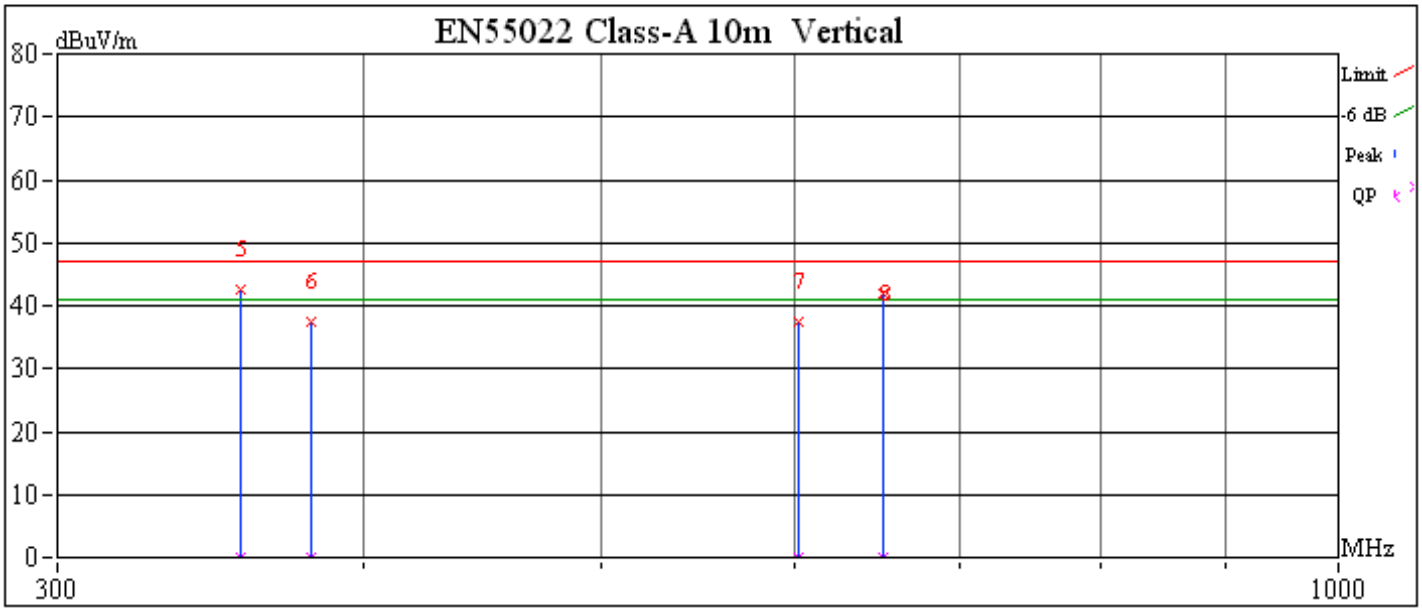




	Freq(MHz)	Peak(dBuV/m)	QP(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Reading(dBuV)	Factor(dB)	Height	Degree	Comment
1	70.0000	-16.19	34.61	-5.39	40.00	50.80	-16.19	100	0	
2	135.2000	36.65		-3.35	40.00	46.66	-10.01	100	0	
3	159.7600	33.05		-6.95	40.00	44.10	-11.05	100	0	
4	258.1000	33.26		-13.74	47.00	40.96	-7.70	100	0	
5	356.4200	42.55		-4.45	47.00	47.48	-4.93	100	0	
6	380.9800	37.57		-9.43	47.00	41.78	-4.21	100	0	
7	602.2200	37.30		-9.70	47.00	36.77	0.53	100	0	
8	651.3600	41.88		-5.12	47.00	41.49	0.39	100	0	

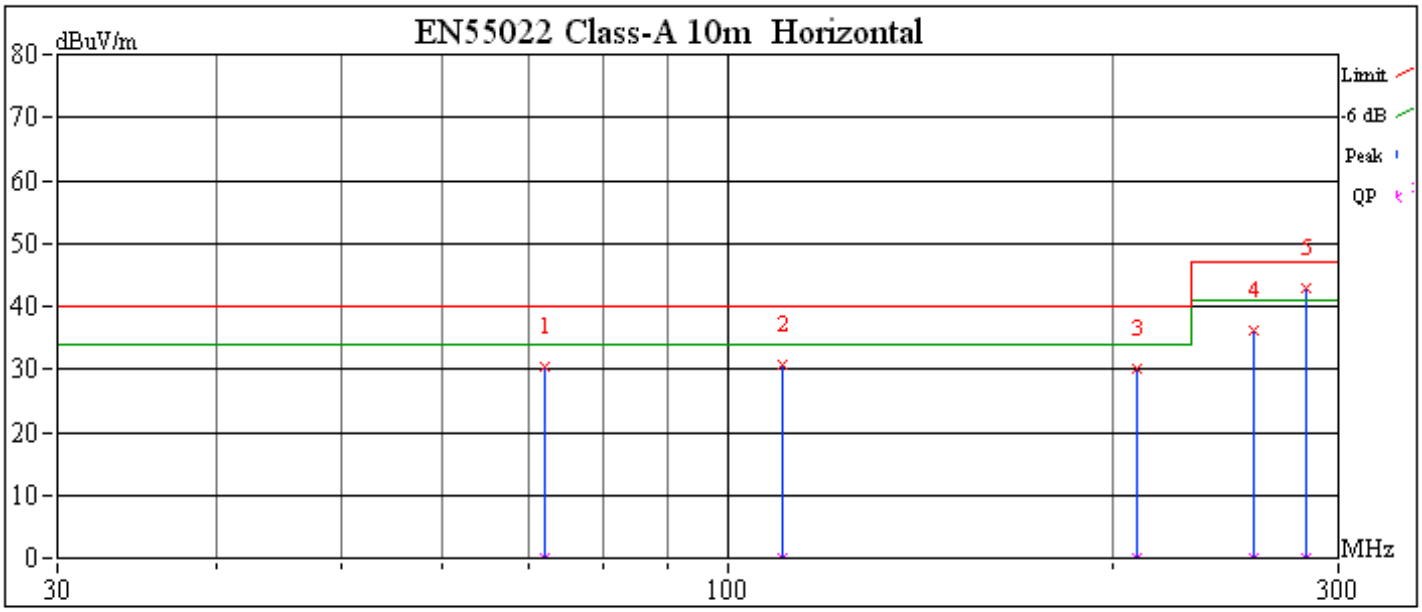
COMPLIANCE
Engineering Services INC.

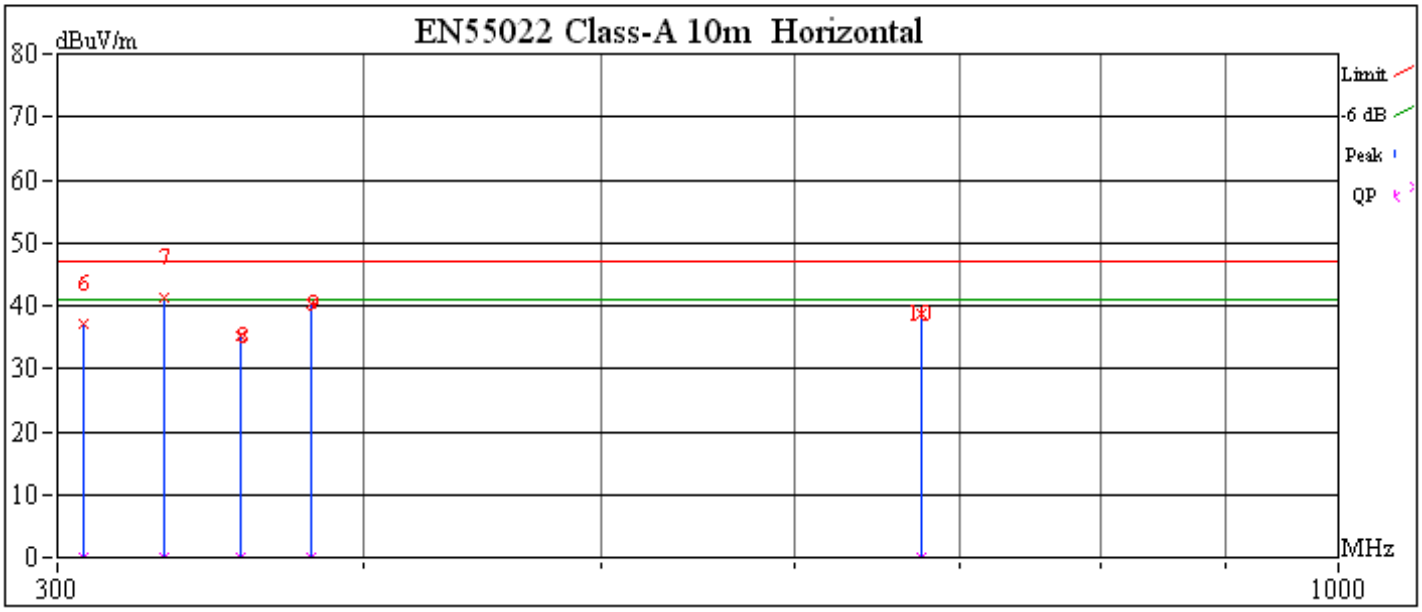
Site 1

Custom Name: AAEON Technology Inc.
Model Name: HSB-811P
Test Mode: NORMAL MODE

Project No.: 50121203
Engineer Name: Kevin Chang
Date: 2005-01-21

Index:





	Freq(MHz)	Peak(dBuV/m)	QP(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Reading(dBuV)	Factor(dB)	Height	Degree	Comment
1	71.9200	30.30		-9.70	40.00	46.20	-15.90	100	0	
2	110.6400	30.80		-9.20	40.00	40.93	-10.13	100	0	
3	208.9200	29.95		-10.05	40.00	40.96	-11.01	100	0	
4	258.0800	36.09		-10.91	47.00	43.79	-7.70	100	0	
5	282.6600	42.73		-4.27	47.00	49.89	-7.16	100	0	
6	307.2400	37.03		-9.97	47.00	43.57	-6.54	100	0	
7	331.8400	41.13		-5.87	47.00	46.85	-5.72	100	0	
8	356.4200	35.07		-11.93	47.00	40.00	-4.93	100	0	
9	381.0000	40.21		-6.79	47.00	44.42	-4.21	100	0	
10	675.9600	38.66		-8.34	47.00	38.30	0.36	100	0	

COMPLIANCE Engineering Service, Inc.
FCC,VCCI,CISPR,CE
UL,CSA,TUV

No. 199, Chung Sheng Road,
Hsin Tien City, Taipei,
Taiwan, R.O.C.
Tel:02-2217-0894 Fax:02-2217-1029

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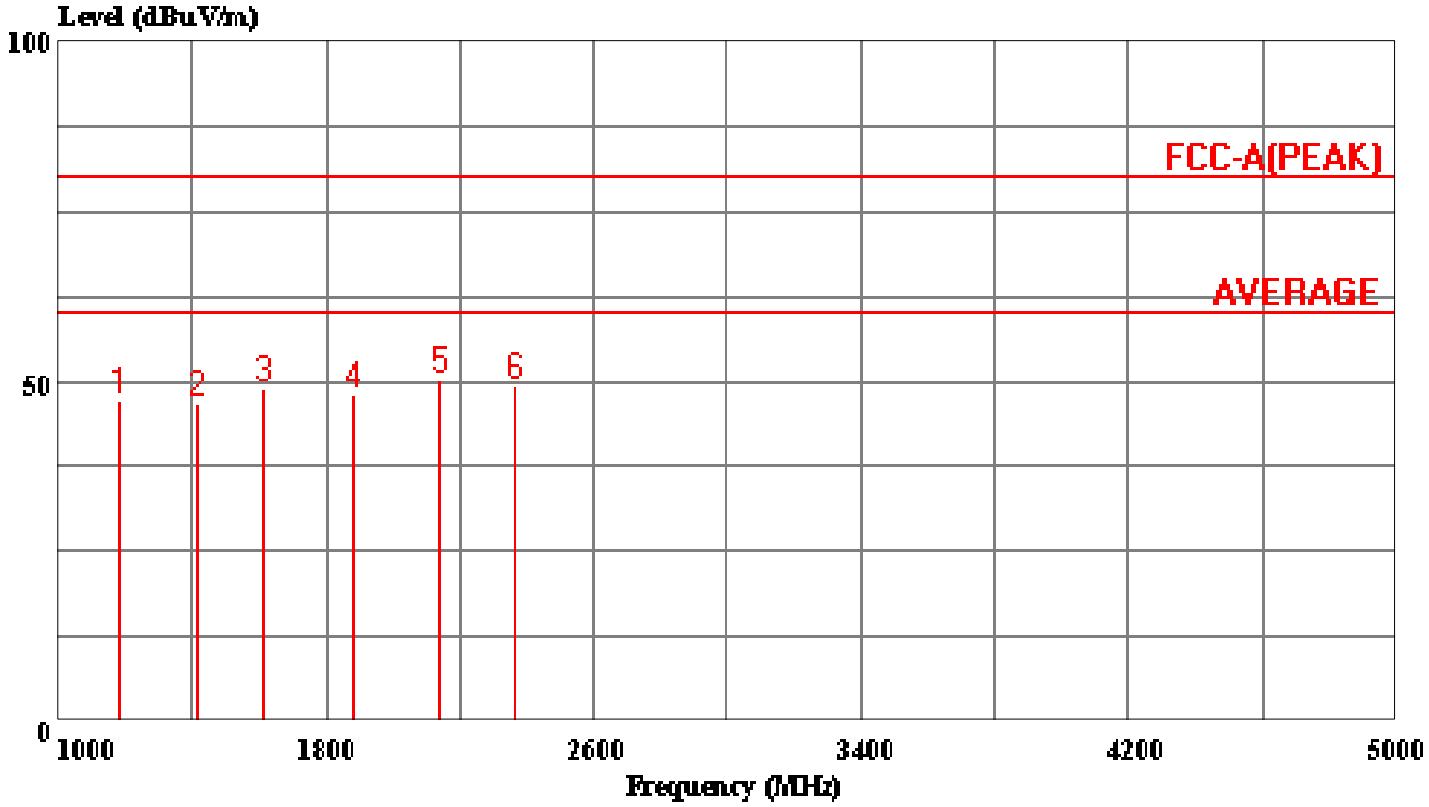

(Chamber RS)

Trace: Ref Trace:

Condition: VERTICAL / 3m
Report No. : 50121203
Test Engr. : JOHN YEN
Company : AAEON Technology Inc.
EUT : HSB-811P
Test Config : EUT / ALL PERIPHERALS
Type of Test: FCC CLASS A
Mode of Op. : NORMAL MODE / 1-5GHz
  : ALL TEST DATA UNDER THE AVERAGE LIMIT

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	1181.500	56.30	-9.27	47.03	80.00	-32.97	Peak
2	1412.500	55.20	-8.29	46.91	80.00	-33.09	Peak
3	1615.000	56.20	-7.15	49.05	80.00	-30.95	Peak
4	1885.000	53.60	-5.42	48.18	80.00	-31.82	Peak
5	2138.500	54.10	-3.95	50.15	80.00	-29.85	Peak
6	2362.000	51.90	-2.76	49.14	80.00	-30.86	Peak

COMPLIANCE Engineering Service, Inc.
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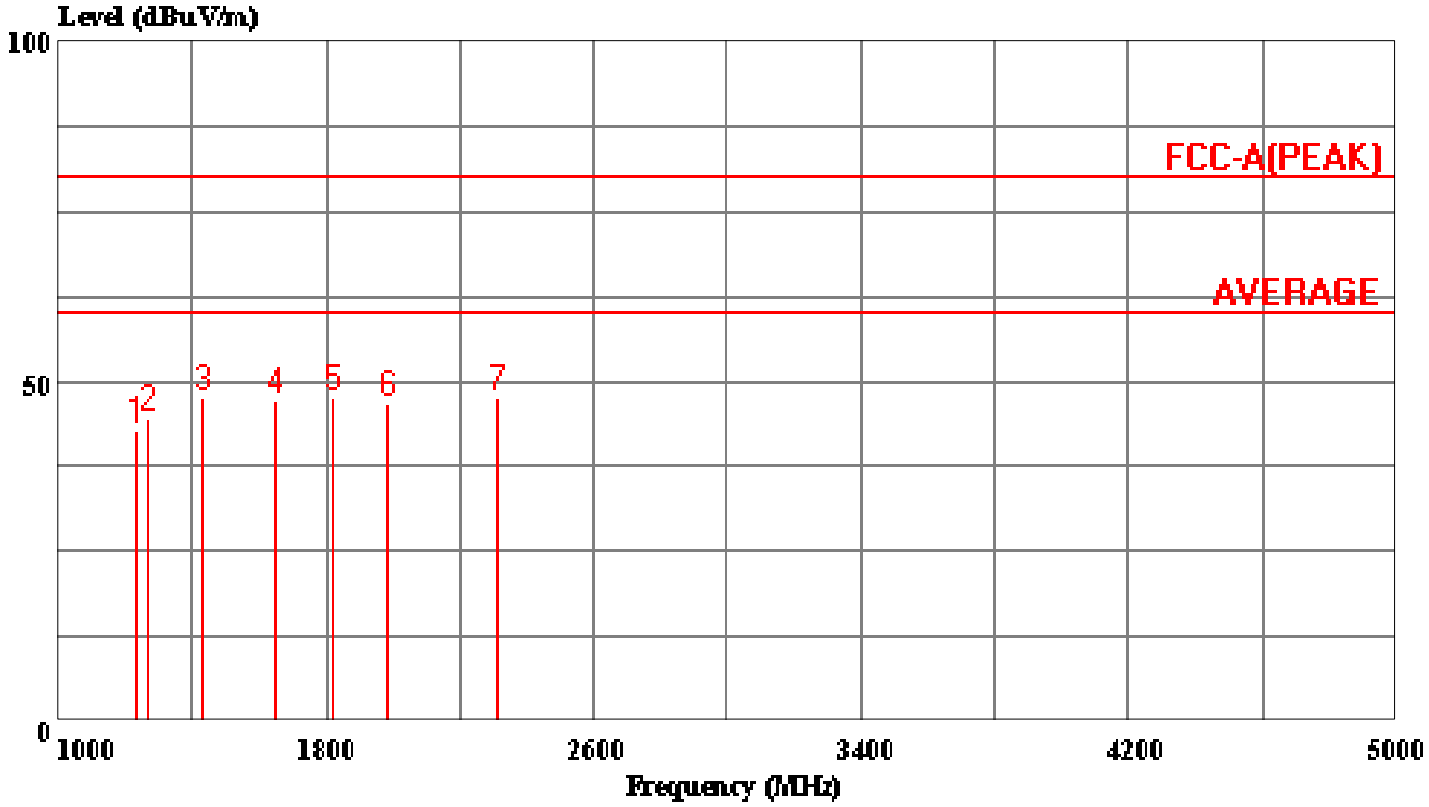
Taiwan, R.O.C.
Tel:02-2217-0894 Fax:02-2217-1029

Data#: 6 File#: 50121203B.EMI Date: 2005-01-24 Time: 16:33:42



(Chamber RS)

Trace: Ref Trace:

Condition: HORIZONTAL / 3m
Report No. : 50121203
Test Engr. : JOHN YEN
Company : AAEON Technology Inc.
EUT : HSB-811P
Test Config : EUT / ALL PERIPHERALS
Type of Test: FCC CLASS A
Mode of Op. : NORMAL MODE / 1-5GHz
  : ALL TEST DATA UNDER THE AVERAGE LIMIT

Page: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	1232.500	52.00	-9.05	42.95	80.00	-37.05	Peak
2	1267.000	53.30	-8.90	44.40	80.00	-35.60	Peak
3	1435.000	56.00	-8.19	47.81	80.00	-32.19	Peak
4	1651.000	54.30	-6.92	47.38	80.00	-32.62	Peak
5	1822.000	53.50	-5.82	47.68	80.00	-32.32	Peak
6	1988.500	51.40	-4.76	46.64	80.00	-33.36	Peak
7	2309.500	50.70	-3.04	47.66	80.00	-32.34	Peak