FCC CFR47 PART 15 DIGITAL DEVICE

TEST REPORT

FOR

Industrial Panel PC

MODEL: AMB-2023HTT

REPORT NUMBER: 02E9956

ISSUE DATE: February 20, 2002

Prepared for

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

Prepared by

COMPLIANCE ENGINEERING SERVICES, INC.
No. 199, CHUNG SHENG ROAD,
HSIN TIEN CITY, TAIPEI, TAIWAN, R.O.C.
TEL: (02) 2217-0894
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LAB CODE: SL2-IN-E-0005

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COMPLIANCE ENGINEERING SERVICES, INC. DOCUMENT NO:CCSTP4002B
NO.199, CHUNG SHENG ROAD, HSIN TIEN, TAIPEI, TAIWAN R.O.C. TEL:(02)2217-0894/FAX:2217-1254

1. VERIFICATION OF COMPLIANCE

LAB CODE: SL2-IN-E-0005

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

CONTACT PERSON: Milo Wang / Q. E. Dept. Engineer

TELEPHONE NO: 8919-1234

MODEL NO/NAME: AMB-2023HTT

SERIAL NO: N/A

DATE TESTED: February 06, 2002 ~ February 08, 2002

TYPE OF EQUIPMENT:	INFORMATION TECHNOLOGY EQUIPMENT (ITE)
MEASUREMENT DISTANCE:	( ) 3 METER (×) 10 METER
TECHNICAL LIMIT:	Class A
FCC RULES:	PART 15 – Subpart(B) / CISPR 22 limit applied
MEASUREMENT PROCEDURE	ANSI C63.4:92
EQUIPMENT AUTHORIZATION PROCEDURE	VERIFICATION
MODIFICATION MADE ON EUT	☐ YES ☒ NO
DEVIATIONS FROM MEASUREMENT PROCEDURE	☐ YES (refer to section 21 for comments) ☒ NO
RADIATED EMISSION TEST RESULT	-0.22 dB @ 189.800MHz / HORIZONTAL
CONDUCTED EMISSION TEST RESULT	-19.13 dB @ 24.790MHz / L2

The above equipment was tested by Compliance Engineering Services, Inc. for compliance with the requirements set forth in the FCC CFR 47, PART 15. The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By

Rick Yeo

RICK YEO / EMC MANAGER
COMPLIANCE ENGINEERING SERVICES

Acknowledged By

Milo Wang / Q.E. Dept. Engineer
AAEON Technology Inc.

SYSTEM DESCRIPTION

EUT Test Procedure:

1. Windows 98 Boots System.
2. Run Winemc.Exe To Activate All Peripherals And Display “H” Pattern On Monitor Screen.
3. Data Through the EUT and Transmit Between Server Notebook and EUT Via RJ45 Cable.

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PRODU INFORMATION

Housing Type:	METAL
EUT Power Rating:	DC 5V/12 to AC / DC Power Supply
AC power during Test:	120VAC / 60Hz From AC Power Supply
AC / DC Power Supply Manufacturer:	SKY NET / Magic Power Technology Co., Ltd.
AC / DC Power Supply Model Number:	SNP-8071-A / MDP-8071-S
AC Power Cord Type:	Un-shielded, 1.8m (Detachable)
DC Cable Type:	Un-Shielded, 0.7m (Detachable)
EUT I/O Cable:	Shielded, 1.1m (Detachable W/ a core)
OSC/Clock Frequencies：	Y1= 14.318MHz ; OSC1= 25MHz ; OCS2= 14.318MHz; OSC3 = 24MHz

I/O Port of EUT:

I/O PORT TYPES	Q' TY	TESTED WITH
1). PS/2 Port	1	1
2). RJ45 Port	1	1
3). DB9 Port (Serial)	2	2
4). DB50 Port (LCD Panel)	1	1
5). DB25 Port (Parallel)	1	1
6). DB15 (VGA)	1	1

Note: N/A

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SUPPORT EQUIPMENT

Host Computer:

Equipment	Model#	Serial#	Trade Name
CPU	CELERON-366	N/A	INTEL
Main Board	SBC-658	N/A	N/A
LCD Board	TB-901E	N/A	N/A
LCD Panel (12")	LTM12C289	N/A	Toshiba
BackPlane	HP5352	N/A	N/A
CD-ROM	CD-2800E	N/A	NEC
HDD (20G)	MHK2060AT	N/A	FUJITSU
FDD	FD1238T	N/A	NEC
AC Power Supply	SNP-8071-A	N/A	SKY NET
DC Power Supply	MPD-8071-S	N/A	Magic Powr Technology co., Ltd.

External Peripheral Devices:

No	Equipment	Model #	Serial #	FCC ID	Trade Name	Data Cable	Power Cord
1.	Mouse	M-M35	LZA73204122	DZL210365	LOGITECH	Shielded, 1.9m	N/A
2.	Mouse	M-S34	LZED1303050	DZL211029	LOGITECH	Shielded, 1.9m	N/A
3.	Keyboard	6311-TW4C/6	N/A	DoC	ACER	Shielded, 1.7m	N/A
4.	Modem	2496CF	N/A	DoC	DATATRONICS	Shielded, 1.4 m	Unshielded, 1.8m
5.	Server Notebook	PS181L-03T08	12089097J	N/A	Toshiba	Unshielded, 30m (RJ45)	Unshielded, 1.8m
6.	Monitor	PH19HS	N/A	DoC	SAMSUNG	Shielded, 1. 8m With a core	Unshielded, 1.8m
7.	Printer	2225C	2550540697	BS46XU2225C	HP	Shielded, 1.8 m	Unshielded, 1.8m

Note: All the above equipment/cables were placed in worse case positions to maximize emission signals.

Grounding: Grounding was in accordance with the manufacturer' s requirements and conditions for the intended use.

MEASUREMENT PROCEDURE
(PRELIMINARY LINE CONDUCTED EMISSION TEST)

1) The equipment was set up as per the test configuration to simulate typical actual 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.
2) Support equipment, if needed, was placed as per ANSI C63.4.
3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
4) The EUT received DC 5V/12V power through AC Power Supply and Line Impedance Stabilization Network (LISN) which supplied power source of 120VAC/ 60Hz and was grounded to the ground plane.
5) All support equipment received power from a second LISN supplying power of 110VAC/60Hz, if any.
6) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / 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 Analyzer / 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 Analyzer / Receiver.
7) Analyzer / Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
8) During the above scans, the emissions were maximized by cable manipulation.
9) The following test mode(s) were scanned during the preliminary test:

Mode:

No.	Mode of operation	Date	Data Report/Plot No.
1	**LCD Panel Separate / 800X600**	**02/06/2002**	**9956E#(09)**
2	**LCD Panel Separate / 1024X768**	**02/06/2002**	**9956E#(18, 36)**
3	**LCD Panel Separate / 1600X1200**	**02/06/2002**	**9956E#(27)**
4	**LCD Panel Combine with PC / 800X600**	**02/07/2002**	**956E#(121)**
5	**LCD Panel Combine with PC / 1024X768**	**02/06/2002**	**9956E#(146)**
6	**LCD Panel Combine with PC / 1600X1200**	**02/07/2002**	**9956E#(130, 139)**

10) After the preliminary scan, we found the following test mode(s) producing the highest emission level.

Mode(s): 2.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

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MEASUREMENT PROCEDURE
(FINAL LINE CONDUCTED EMISSION TEST)

1) EUT and support equipment was set up on the test bench as per step 10 of the preliminary test.

2) 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 A.V. limit in Q.P. mode, then the emission signal was re-checked using an Average detector.

3) The test data of the worst case condition(s) was reported on the Summary Data page.

Data Sample:

Freq (MHz)	Meter Reading (dBuV)	C.F. (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Margin (dB)	Reading Type (P/Q/A)	Line (L1/L2)
x.xx	**x.xx**	**x.xx**	**48.38**	**66.00**	**-17.62**	**A**	**L1**

C.F.(Correction Factor)=Insertion Loss + Cable Loss
Corrected Reading = Metering Reading + C.F.
Margin=Corrected Reading - Limits

P=Peak Reading L1=Hot
Q=Quasi-peak L2=Neutral
A=Average Reading

Comments: **N/A**

LINE CONDUCTED EMISSION LIMIT (EN 55022)

Frequency	Maximum RF Line Voltage	
	Q.P.	AVERAGE
150kHz-500kHz	79dBuV	66dBuV
500kHz-5MHz	73dBuV	60dBuV
5MHz-30MHz	73dBuV	60dBuV

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

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MEASUREMENT PROCEDURE
(PRELIMINARY RADIATED EMISSION TEST)

1) The equipment was set up as per the test configuration to simulate typical actual 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 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.

2) Support equipment, if needed, was placed as per ANSI C63.4.

3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

4) The EUT received DC 5V/12V power source from AC Power Supply (120VAC/60Hz) and outlet socket under the turntable. All support equipment received 110VAC/60Hz to power from another socket under the turntable, if any.

5) The antenna was placed at 3 meter away from the EUT as stated in ANSI C63.4: 1992. The antenna connected to the Analyzer via a cable and at times a pre-amplifier would be used.

6) The Analyzer / Receiver quickly scanned from 30MHz to 1000MHz. 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.

7) The following test mode(s) were scanned during the preliminary test:

Mode:

No.	Mode of operation	Date	Data Report/ Plot No.
1	**DC Power/ LCD Panel Separate / 800X600**	**02/08/2002**	**9462F#(26, 27)**
2	**DC Power/ LCD Panel Separate / 1024X768**	**02/08/2002**	**9462F#(28)**
3	**DC Power/ LCD Panel Separate / 1600X1200**	**02/08/2002**	**9462F#(29)**
4	**DC Power/ LCD Panel Combine with PC / 800X600**	**02/07/2002**	**9462F#(15, 19)**
5	**AC Power/ LCD Panel Combine with PC / 800X600**	**02/07/2002**	**9462F#(06, 08)**
6	**AC Power/ LCD Panel Combine with PC / 1024X768**	**02/07/2002**	**9462F#(11)**
7	**AC Power/ LCD Panel Combine with PC / 1600X1200**	**02/07/2002**	**9462F#(14)**
8	**AC Power/ LCD Panel Separate / 800X600**	**02/07/2002**	**9462F#(02, 03)**
9	**1-2G**	**02/07/2002**	**9956G#(05, 07)**

8) After the preliminary scan, we found the following test mode(s) producing the highest emission level.

Mode(s): 1.

Then, the EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for reference of final testing.

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MEASUREMENT PROCEDURE
(FINAL RAIDATED EMISSION TEST)

1) EUT and support equipment were set up on the turntable as per step 8 of the preliminary test.

2) The Analyzer / Receiver scanned from 30MHz to 2000MHz. 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.

3) 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 Peak reading is presented. If EUT emission level was less-2dB to the limit, then the emission signal was re-checked using a Q.P. detector.

4) The test data of the worst case condition(s) was reported on the Summary Data page.

Data Sample:

Freq (MHz)	Meter Reading (dBuV)	C.F. (dB/m)	Corrected Reading (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reading Type P/Q/A	Pol. H/V
x.xx	**x.xx**	**x.xx**	**40.82**	**47.00**	**-6.18**	**P**	**V**

C.F.(Correction Factor)=Antenna Factor + Cable Loss + Attenuator(3/6dB) - Amplifier Gain
Corrected Reading = Metering Reading + C.F.
Margin=Corrected Reading – Limits

P=Peak Reading
Q=Quasi-peak
A=Average Reading

H=Horizontal Polarization/Antenna
V=Vertical Polarization/Antenna

Comments: **N/A**

RADIATED EMISSION LIMIT

Frequency (MHz)	Distance (m)	Maximum Field Strength Limit (dBu V/m/ Q.P.)
30-230	10	40
230-1000	10	47

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

SUMMARY DATA
(LINE CONDUCTED TEST)

Model Number: AMB-2023HTT **Location:** Conducted Room

Tested by: Cliff Lai

Test Model: Mode 2

Test Results: Passed

Temperature: 17°C **Humidity:** 79%RH

(The chart below shows the highest readings taken from the final data)

Frequency Range Investigated (150 kHz TO 30 MHz)							
Freq (MHz)	Meter Reading (dBuV)	C.F. (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Margin (dB)	Reading Type (P/Q/A)	Line (L1/L2)
0.155	**49.98**	**0.02**	**50.00**	**79.00**	**-29.00**	**P**	**L1**
0.188	**48.83**	**0.02**	**48.85**	**79.00**	**-30.15**	**P**	**L1**
19.845	**46.48**	**0.44**	**46.92**	**73.00**	**-26.08**	**P**	**L1**
0.155	**50.19**	**0.02**	**50.21**	**79.00**	**-28.79**	**P**	**L2**
0.188	**49.87**	**0.02**	**49.89**	**79.00**	**-29.11**	**P**	**L2**
24.790	**53.37**	**0.50**	**53.87**	**73.00**	**-19.13**	**P**	**L2**

C.F.(Correction Factor)=Insertion Loss + Cable Loss
Corrected Reading = Metering Reading + C.F.
Margin=Corrected Reading - Limits
P=Peak Reading L1=Hot
Q=Quasi-peak L2=Neutral
A=Average Reading

Comments: **N/A**

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SUMMARY DATA
(RADIATED EMISSION TEST)

Model Number: AMB-2023HTT **Location:** Site # E

Tested by: Cliff Lai **Polar:** Vertical / Horizontal– 10m

Test Mode: Mode 1

Test Results: Passed

Temperature: 17°C **Humidity:** 79%RH

(The chart below shows the highest readings taken from the final data)

Frequency Range Investigated (30 MHz TO 2000 MHz)							
Freq (MHz)	Meter Reading (dBuV)	C.F. (dB/m)	Corrected Reading (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reading Type P/Q/A	Pol. H/V
189.820	**50.90**	**-12.02**	**33.88**	**40.00**	**-1.12**	**Q**	**V**
371.400	**50.00**	**-5.23**	**44.77**	**47.00**	**-2.23**	**P**	**V**
388.000	**51.10**	**-4.76**	**46.34**	**47.00**	**-0.66**	**Q**	**V**
404.700	**49.78**	**-4.40**	**45.38**	**47.00**	**-1.62**	**Q**	**V**
189.800	**51.80**	**-12.02**	**39.78**	**40.00**	**-0.22**	**Q**	**H**
206.330	**49.19**	**-11.31**	**37.88**	**40.00**	**-2.12**	**Q**	**H**

C.F.(Correction Factor)=Antenna Factor + Cable Loss - Amplifier Gain (+ Attenuator 3dB)
Corrected Reading = Metering Reading + C.F.
Margin=Corrected Reading - Limits
P=Peak Reading H=Horizontal Polarization/Antenna
Q=Quasi-peak V=Vertical Polarization/Antenna
A=Average Reading

Comments: **N/A**

TEST EQUIPMENT LIST (EMISSION)

Instrumentation: The following list contains equipment used at Compliance Engineering Services, Inc.. for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2-1988 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 9kHz to 1.0 / 2.0 GHz.

Equipment used during the tests:

☒ **Open Area Test Site:** #E

Equipment	Manuf.	Model No.	Serial No.	Cal Date	Due Date
SPECTRUM ANALYZER	**H.P.**	**8566B**	**2937A06102**	**06/06/01**	**06/05/02**
SPECTRUM DISPLAY	**H.P.**	**85662A**	**2848A18276**	**06/06/01**	**06/05/02**
QUASI-PEAK DETECTOR	**H.P.**	**85650A**	**2811A01439**	**06/07/01**	**06/06/02**
AMPLIFIER	**H.P.**	**8447D B**	**1644A02328**	**05/07/01**	**05/06/02**
ANTENNA	**EMCO**	**3142**	**1310**	**06/30/01**	**06/29/02**
CABLE	**BELDEN**	**9913**	**N-TYPE07**	**01/02/02**	**01/01/03**
CABLE (1-18GHz)	**JYEBAO**	**N30-L142-1 / 9**	**N/A**	**05/02/01**	**05/01/02**
AMPLIFIER (1-26GHz)	**MITEQ**	**NSP2600-44**	**646455**	**10/24/01**	**10/23/02**

☒ **Conducted Area Test Site:** Conducted Room

Equipment	Manuf.	Model No.	Serial No.	Cal Date	Due Date
TEST RECEIVER	**R&S**	**ESHS20**	**840455/006**	**03/15/01**	**03/14/02**
LISN	**SOLAR**	**8012-50-R-24-BNC**	**8305114**	**07/23/01**	**07/22/02**
LISN(EUT)	**EMCO**	**3825/2**	**1435**	**01/16/02**	**01/15/03**

The calibrations of the measuring instruments, including any accessories that may effect such calibration, are checked frequently to assure their accuracy. Adjustments are made and correction factors applied in accordance with instructions contained in the manual for the measuring instrument.

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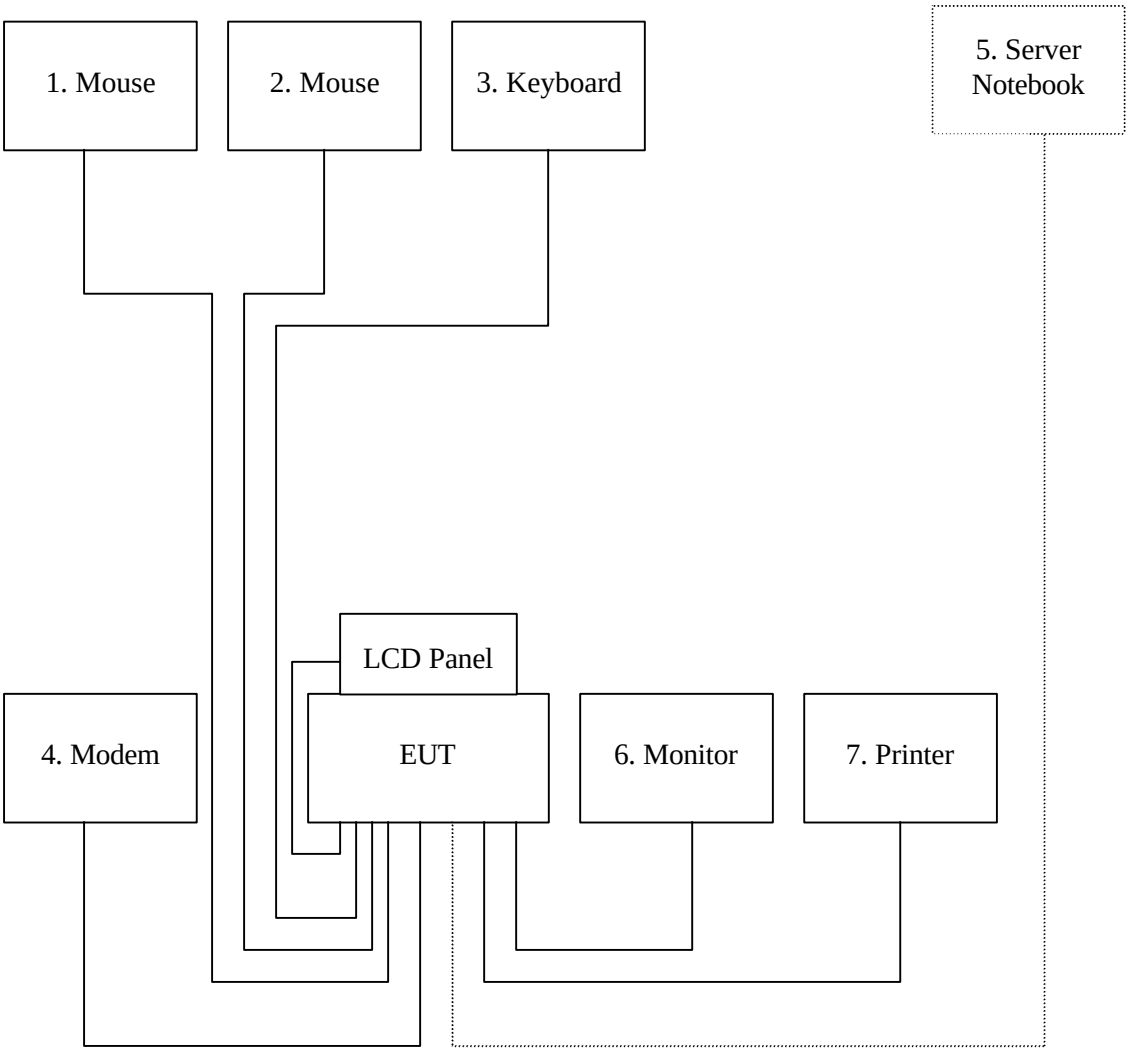
BLOCK DIAGRAM OF TEST SETUP

System Diagram of Connections between EUT and Simulators

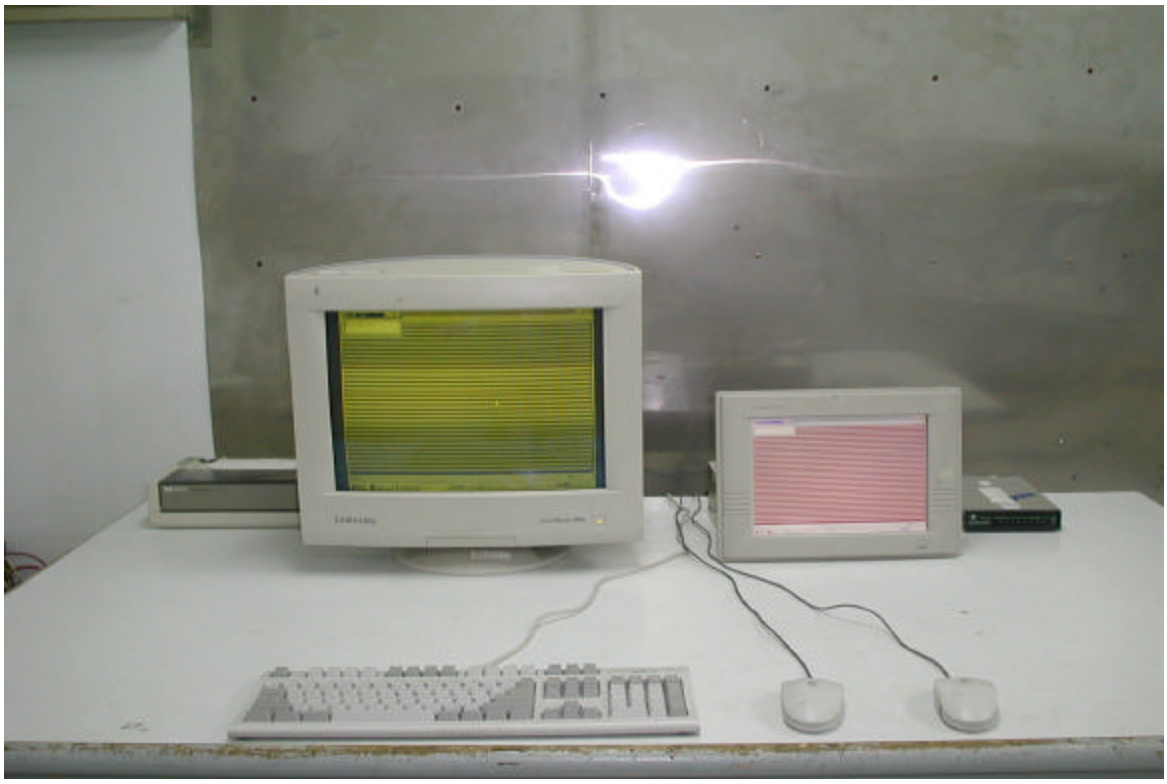
EUT: Industrial Panel PC
Model Number: AMB-2023HTT

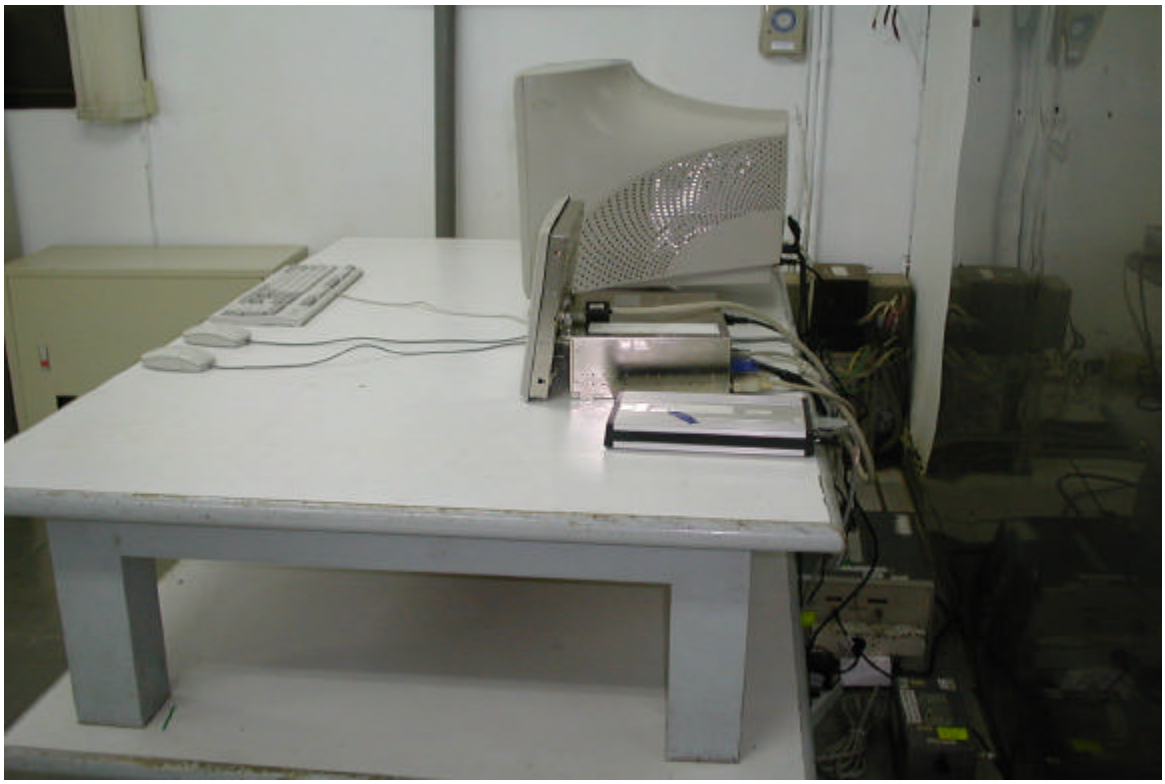


APPENDIX 1

PHOTOGRAPHS OF TEST SETUP
(TEST SETUP OF LINE CONDUCTED EMISSION)

LINE CONDUCTED EMISSION TEST (AC Power / Worst)





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APPENDIX 2

PHOTOGRAPHS OF TEST SETUP
(TEST SETUP OF LINE RADIATED EMISSION)

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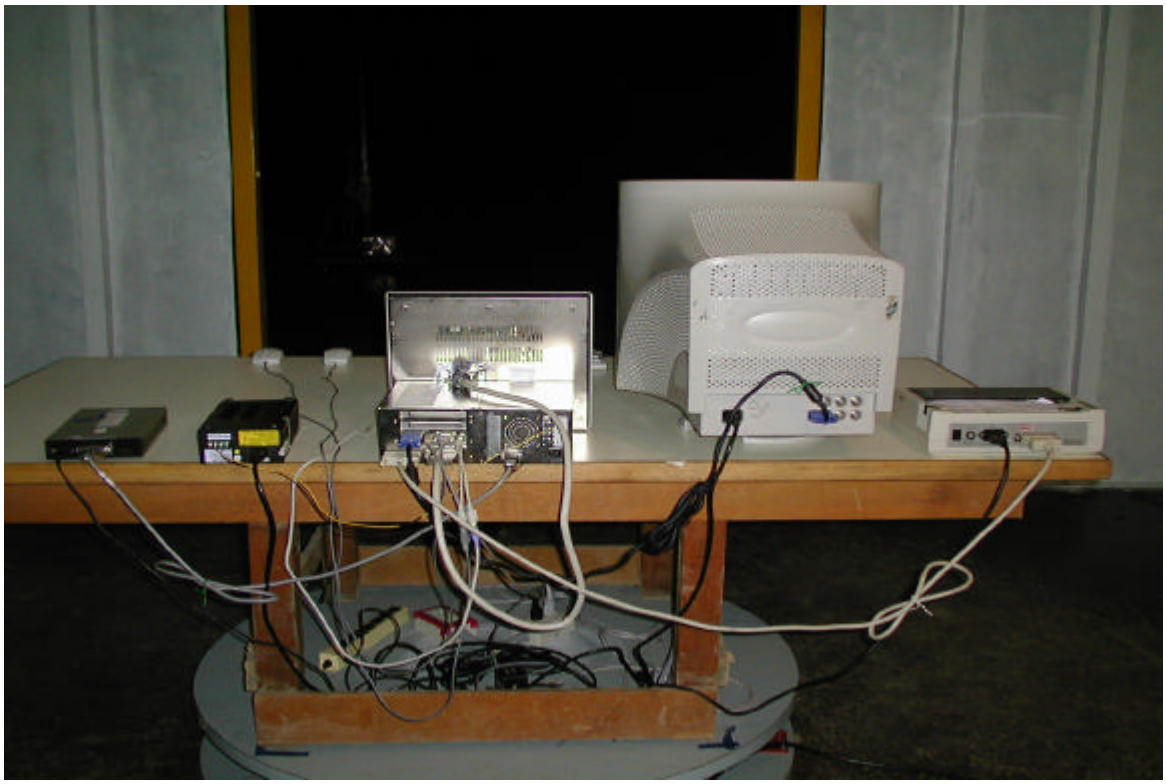
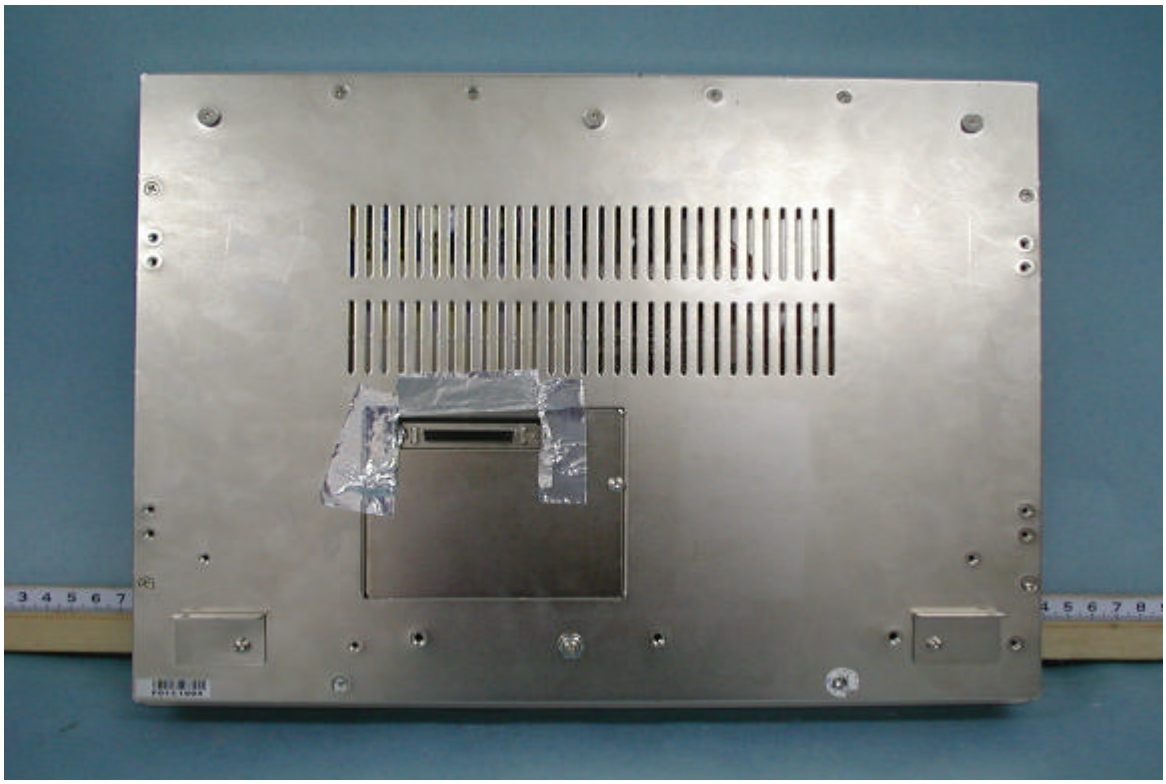
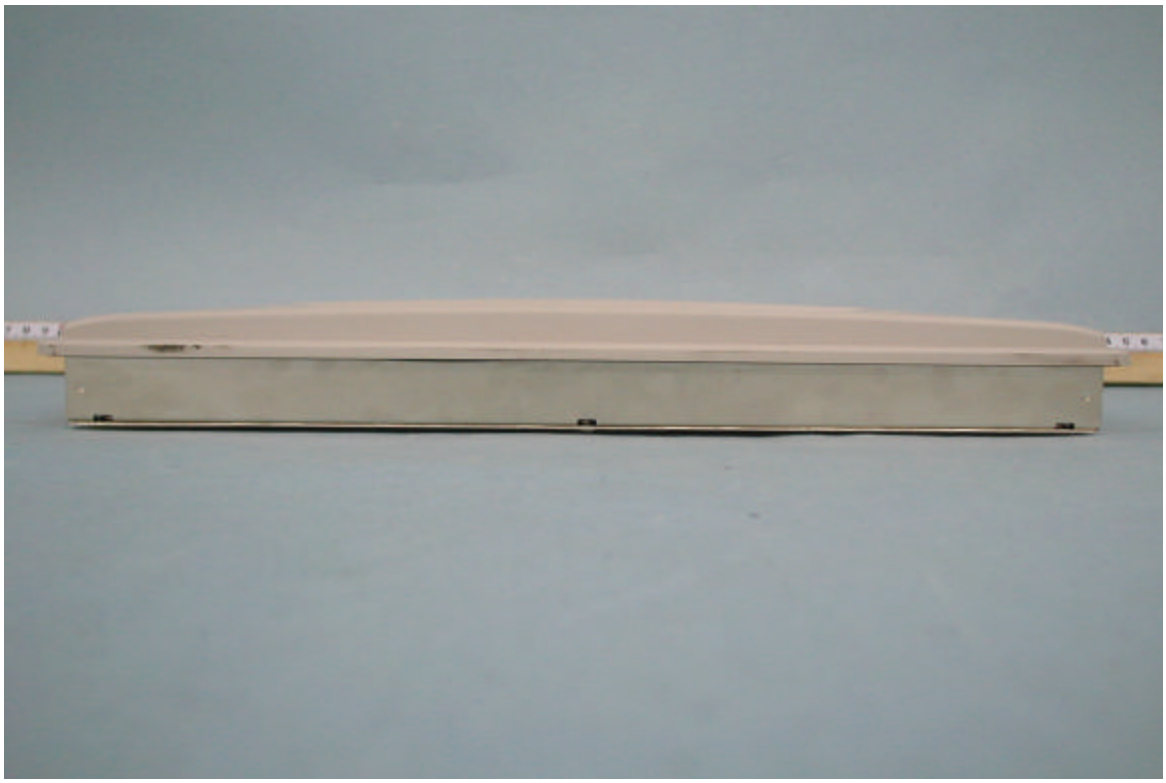
RADIATED EMISSION TEST (DC Power / Worst)

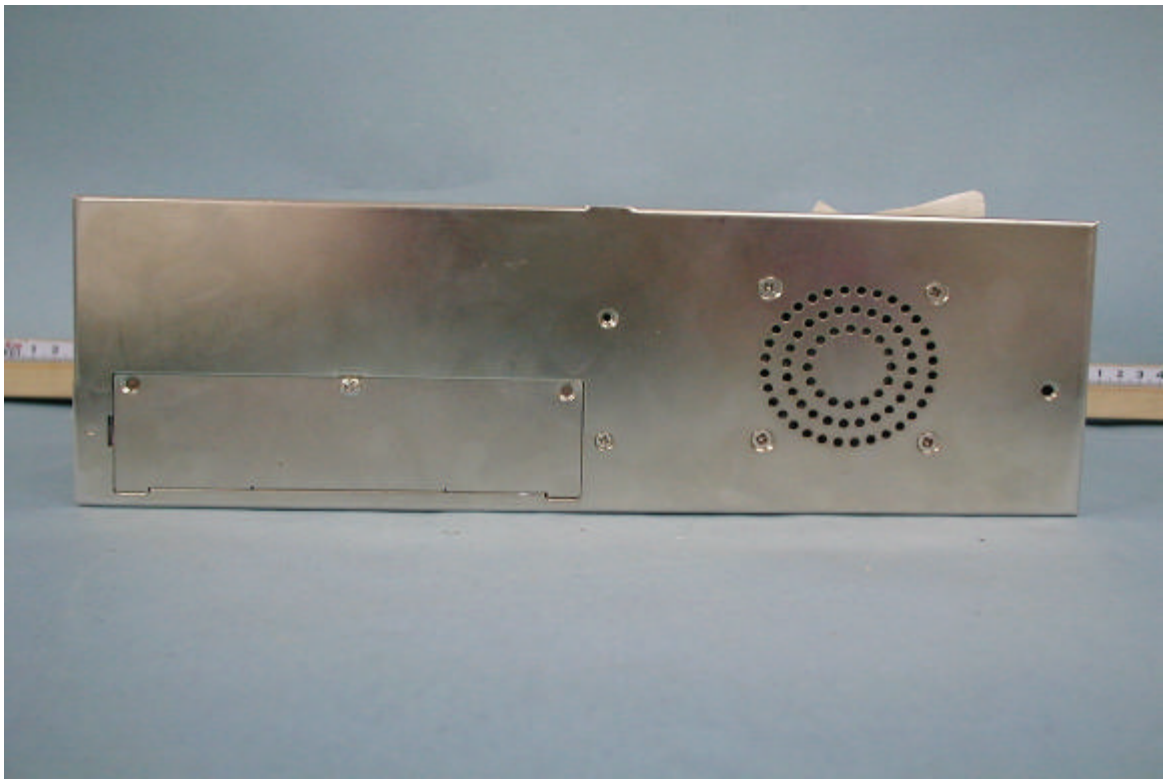


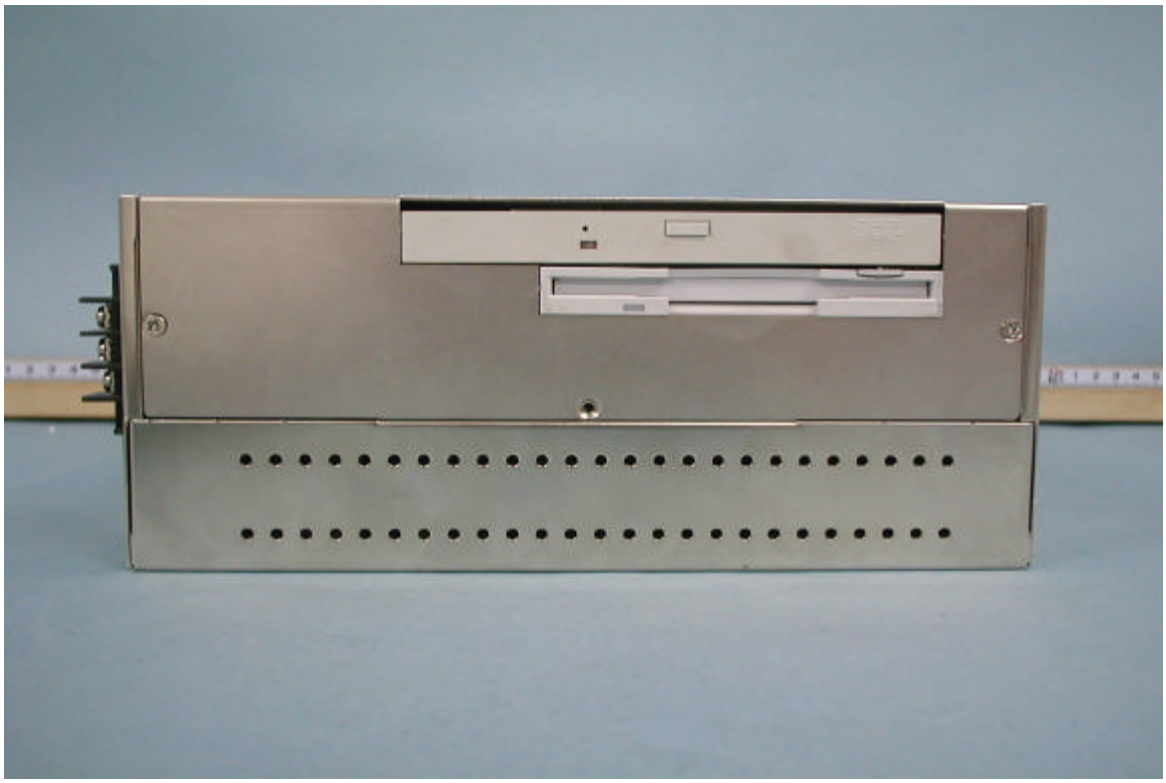
APPENDIX 3

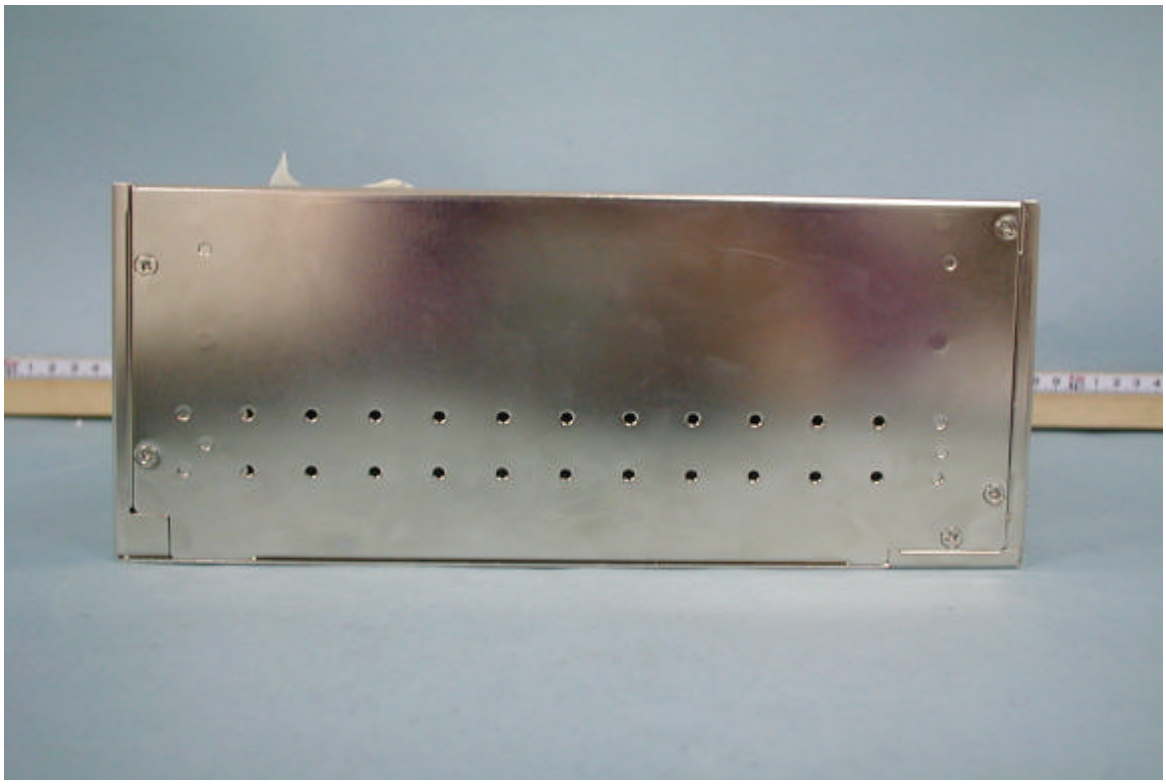
PHOTOGRAPHS OF EUT











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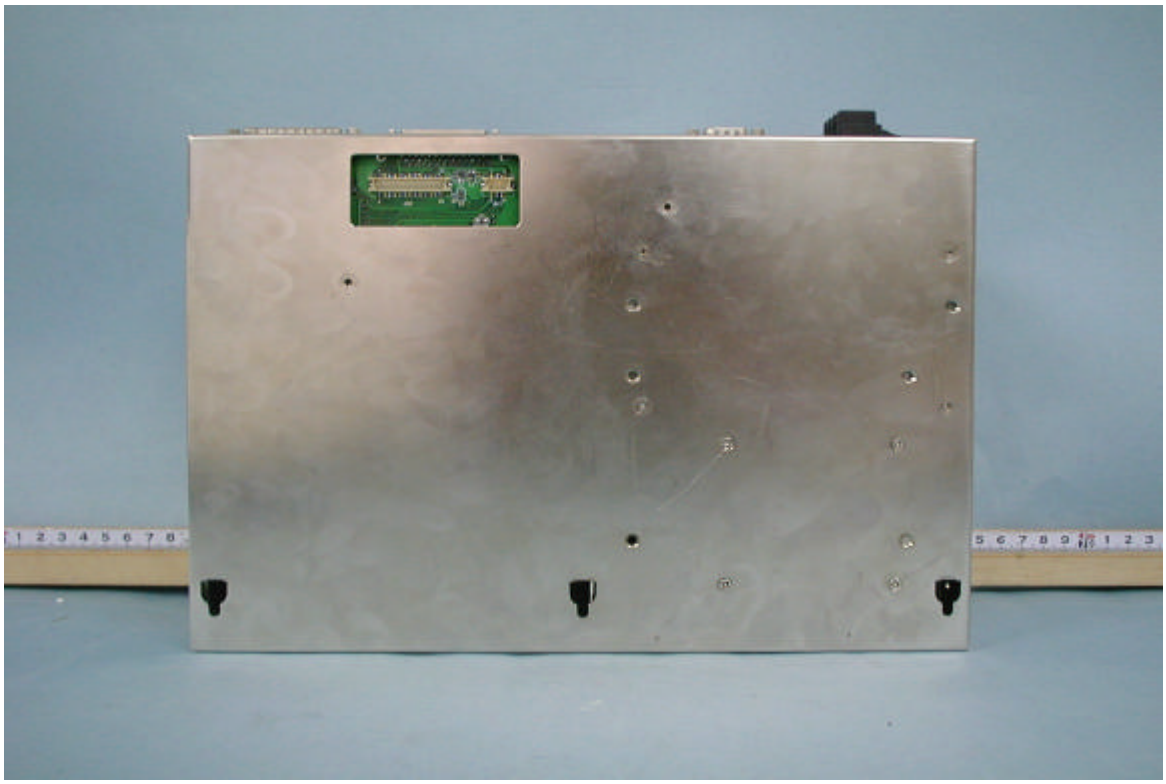


COMPLIANCE ENGINEERING SERVICES, INC. DOCUMENT NO:CCSTP4002B
NO.199, CHUNG SHENG ROAD, HSIN TIEN, TAIPEI, TAIWAN R.O.C. TEL:(02)2217-0894/FAX:2217-1254

APPENDIX 4

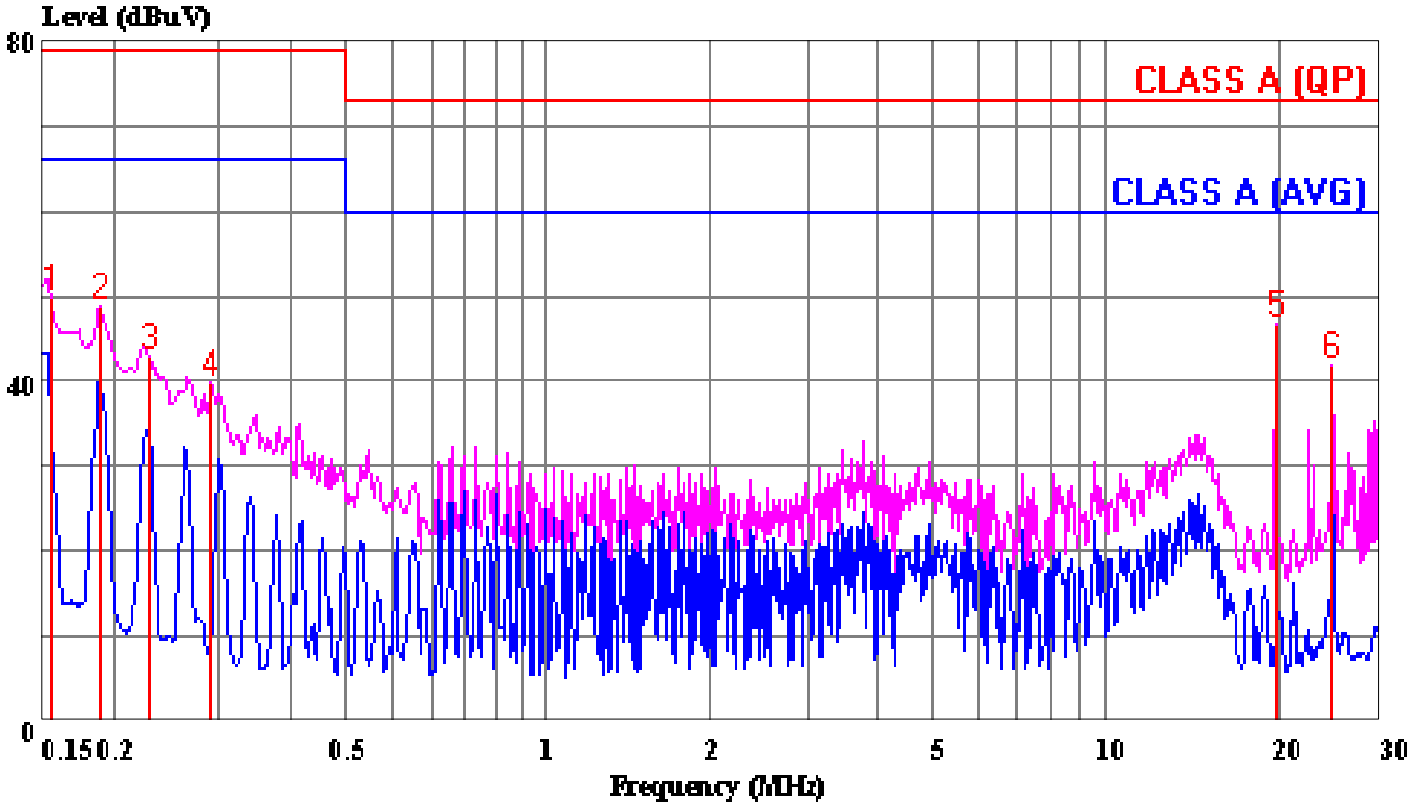
CONDUCTED EMISSION PLOT
RADIATED EMISSION DATA

COMPLIANCE ENGINEERING SERVICES, INC. DOCUMENT NO:CCSTP4002B
NO.199, CHUNG SHENG ROAD, HSIN TIEN, TAIPEI, TAIWAN R.O.C. TEL:(02)2217-0894/FAX:2217-1254

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:02-2217-1254

Data#: 18 File#: 9956e.emi Date: 2002-02-06 Time: 22:05:43



(CES Conducted)

Trace: 16 17 Ref Trace:

Condition: LINE
Report No. : 02E9956
Test Engr. : CLIFF LAI
Company   : AAEON Technology Inc.
EUT   : AMB-2023HTT
Test Config : EUT/ALL PERIPHERALS
Type of Test: FCC CLASS A W/ EN 55022 CLASS A LIMIT
Mode of Op. : LCD Panel Separate / 1024X768(Worst)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	49.98	0.02	50.00	79.00	-29.00	Peak
2	0.188	48.83	0.02	48.85	79.00	-30.15	Peak
3	0.229	42.85	0.02	42.87	79.00	-36.13	Peak
4	0.292	39.68	0.02	39.70	79.00	-39.30	Peak
5	19.845	46.48	0.44	46.92	73.00	-26.08	Peak
6	24.790	41.46	0.50	41.96	73.00	-31.04	Peak

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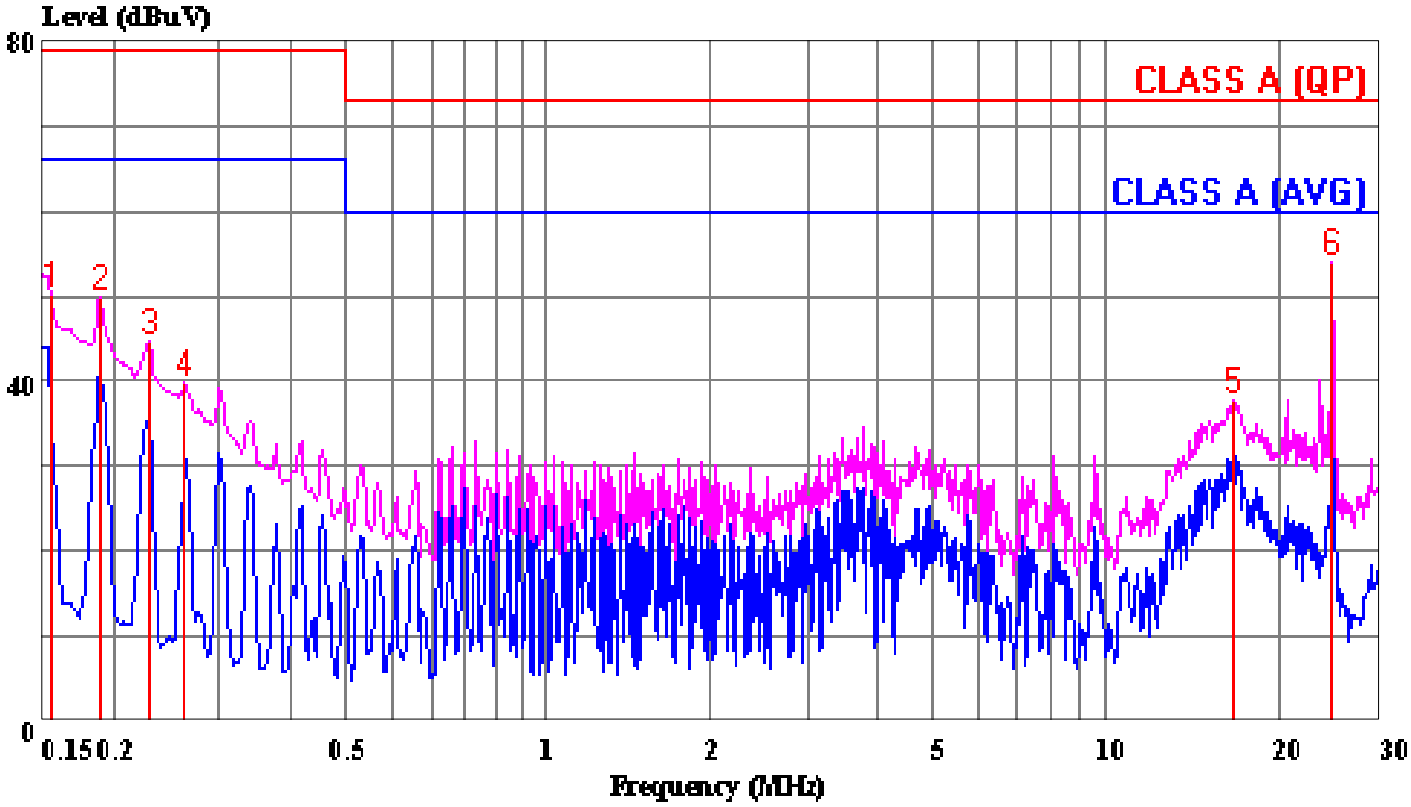
Tel:02-2217-0894 Fax:02-2217-1254

Data#: 36 File#: 9956e.emi Date: 2002-02-06 Time: 22:32:15



(CES Conducted)

Trace: 34 35 Ref Trace:

Condition: NEUTRAL
Report No. : 02E9956
Test Engr. : CLIFF LAI
Company : AAEON Technology Inc.
EUT : AMB-2023HTT
Test Config : EUT/ALL PERIPHERALS
Type of Test: FCC CLASS A W/ EN 55022 CLASS A LIMIT
Mode of Op. : LCD Panel Separate / 1024X768(Worst)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	50.19	0.02	50.21	79.00	-28.79	Peak
2	0.188	49.87	0.02	49.89	79.00	-29.11	Peak
3	0.229	44.65	0.02	44.67	79.00	-34.33	Peak
4	0.263	39.67	0.02	39.69	79.00	-39.31	Peak
5	16.750	37.17	0.41	37.59	73.00	-35.41	Peak
6	24.790	53.37	0.50	53.87	73.00	-19.13	Peak

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Tel:02-2217-0894 Fax:02-2217-1254

Data#: 26 File#: 9462f.EMI Date: 2002-02-08 Time: 06:23:06
Compliance E-Site

Condition: VERTICAL / 10m
Report No. : 02E9956
Test Engr. : CLIFF LAI
Company   : AAEON Technology Inc.
EUT   : AMB-2023HTT
Test Config : EUT / ALL PERIPHERALS
Type of Test: FCC CLASS A W/ EN 55022 CLASS A LIMIT
Mode of Op. : LCD Panel Separate/800X600(Worst)
            : DC Power

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	33.038	46.36	-8.76	37.60	40.00	-2.40	QP
2	40.090	46.20	-10.89	35.31	40.00	-4.69	Peak
3	42.930	44.50	-12.51	31.99	40.00	-8.01	Peak
4	50.300	46.90	-14.17	32.73	40.00	-7.27	Peak
5	59.750	46.10	-16.35	29.75	40.00	-10.25	Peak
6	72.050	43.90	-17.48	26.42	40.00	-13.58	Peak
7	111.420	42.60	-15.50	27.10	40.00	-12.90	Peak
8	119.700	47.40	-15.90	31.50	40.00	-8.50	Peak
9	123.760	53.50	-16.39	37.11	40.00	-2.89	Peak
10	132.100	48.40	-16.08	32.32	40.00	-7.68	Peak
11	140.340	53.10	-15.36	37.74	40.00	-2.26	Peak
12	160.950	44.50	-13.65	30.85	40.00	-9.15	Peak
13	165.050	49.10	-13.41	35.69	40.00	-4.31	Peak
14	173.290	50.43	-13.00	37.43	40.00	-2.57	QP
15	189.820	50.90	-12.02	38.88	40.00	-1.12	QP
16	206.330	45.70	-11.31	34.39	40.00	-5.61	Peak
17	233.680	49.00	-9.25	39.75	47.00	-7.25	Peak
18	255.840	47.80	-7.85	39.95	47.00	-7.05	Peak
19	272.320	48.30	-7.61	40.69	47.00	-6.31	Peak
20	288.880	49.70	-7.36	42.34	47.00	-4.66	Peak
21	297.120	50.50	-7.23	43.27	47.00	-3.73	Peak
22	371.400	50.00	-5.23	44.77	47.00	-2.23	Peak
23	388.000	51.10	-4.76	46.34	47.00	-0.66	QP
24	404.700	49.78	-4.40	45.38	47.00	-1.62	QP
25	718.100	39.30	2.10	41.40	47.00	-5.60	Peak

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Tel:02-2217-0894 Fax:02-2217-1254

Data#: 27 File#: 9462f.EMI Date: 2002-02-08 Time: 04:51:31
Compliance E-Site

Condition: HORIZONTAL / 10m
Report No. : 02E9956
Test Engr. : CLIFF LAI
Company   : AAEON Technology Inc.
EUT   : AMB-2023HTT
Test Config : EUT / ALL PERIPHERALS
Type of Test: FCC CLASS A W/ EN 55022 CLASS A LIMIT
Mode of Op. : LCD Panel Separate/800X600(Worst)
            : DC Power

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	33.480	37.30	-8.76	28.54	40.00	-11.46	Peak
2	40.140	41.70	-10.89	30.81	40.00	-9.19	Peak
3	123.810	47.70	-16.39	31.31	40.00	-8.69	Peak
4	132.050	43.90	-16.08	27.82	40.00	-12.18	Peak
5	140.310	43.70	-15.36	28.34	40.00	-11.66	Peak
6	165.070	46.40	-13.41	32.99	40.00	-7.01	Peak
7	173.320	48.70	-13.00	35.70	40.00	-4.30	Peak
8	189.800	51.80	-12.02	39.78	40.00	-0.22	QP
9	206.330	49.19	-11.31	37.88	40.00	-2.12	QP
10	233.900	49.50	-9.18	40.32	47.00	-6.68	Peak
11	255.840	49.30	-7.85	41.45	47.00	-5.55	Peak
12	288.870	46.10	-7.36	38.74	47.00	-8.26	Peak
13	297.110	47.90	-7.23	40.67	47.00	-6.33	Peak
14	371.400	40.50	-5.23	35.27	47.00	-11.73	Peak
15	387.900	45.90	-4.79	41.11	47.00	-5.89	Peak
16	404.420	45.40	-4.40	41.00	47.00	-6.00	Peak
17	718.010	32.10	2.10	34.20	47.00	-12.80	Peak

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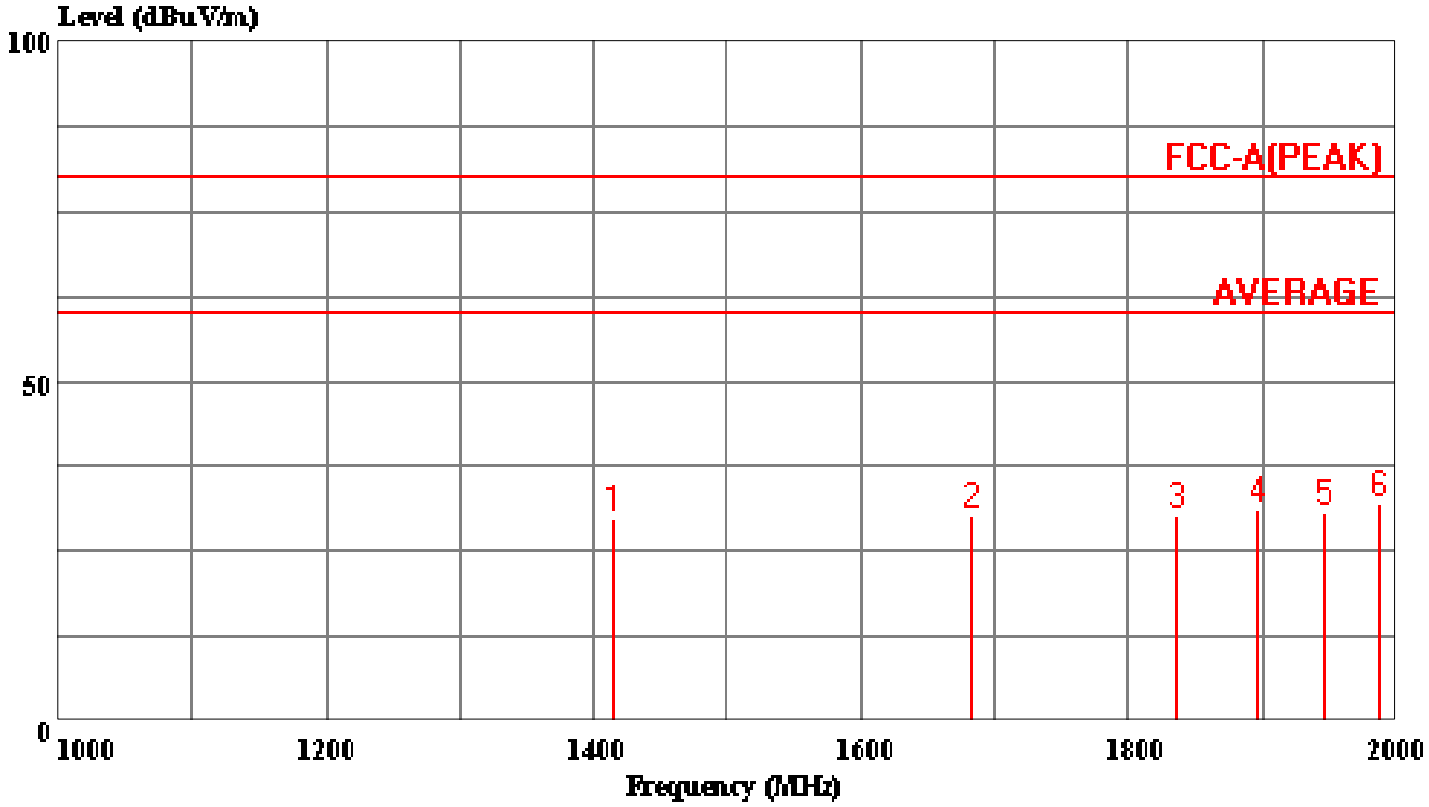
Tel:02-2217-0894 Fax:02-2217-1254

Data#: 5 File#: 9956g.EMI Date: 2002-02-07 Time: 01:39:15



(CES Chamber)

Trace: Ref Trace:

Condition: HORIZONTAL / 3m
Report No. : 02E9956
Test Engr. : CLIFF LAI
Company : AAEON Technology Inc.
EUT : AMB-2023HTT
Test Config : EUT/ ALL PERIPHERALS
Type of Test: FCC CLASS A W/ Limit + 20log(10/3)
Mode of Op. : 1-2G/ All Test Datas Under Average Limit

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	1414.000	40.80	-10.88	29.92	80.00	-50.08	Peak
2	1683.000	39.68	-9.59	30.09	80.00	-49.91	Peak
3	1836.000	39.05	-8.83	30.21	80.00	-49.79	Peak
4	1897.000	39.52	-8.53	30.99	80.00	-49.01	Peak
5	1946.000	39.08	-8.29	30.79	80.00	-49.21	Peak
6	1987.000	40.22	-8.09	32.13	80.00	-47.87	Peak

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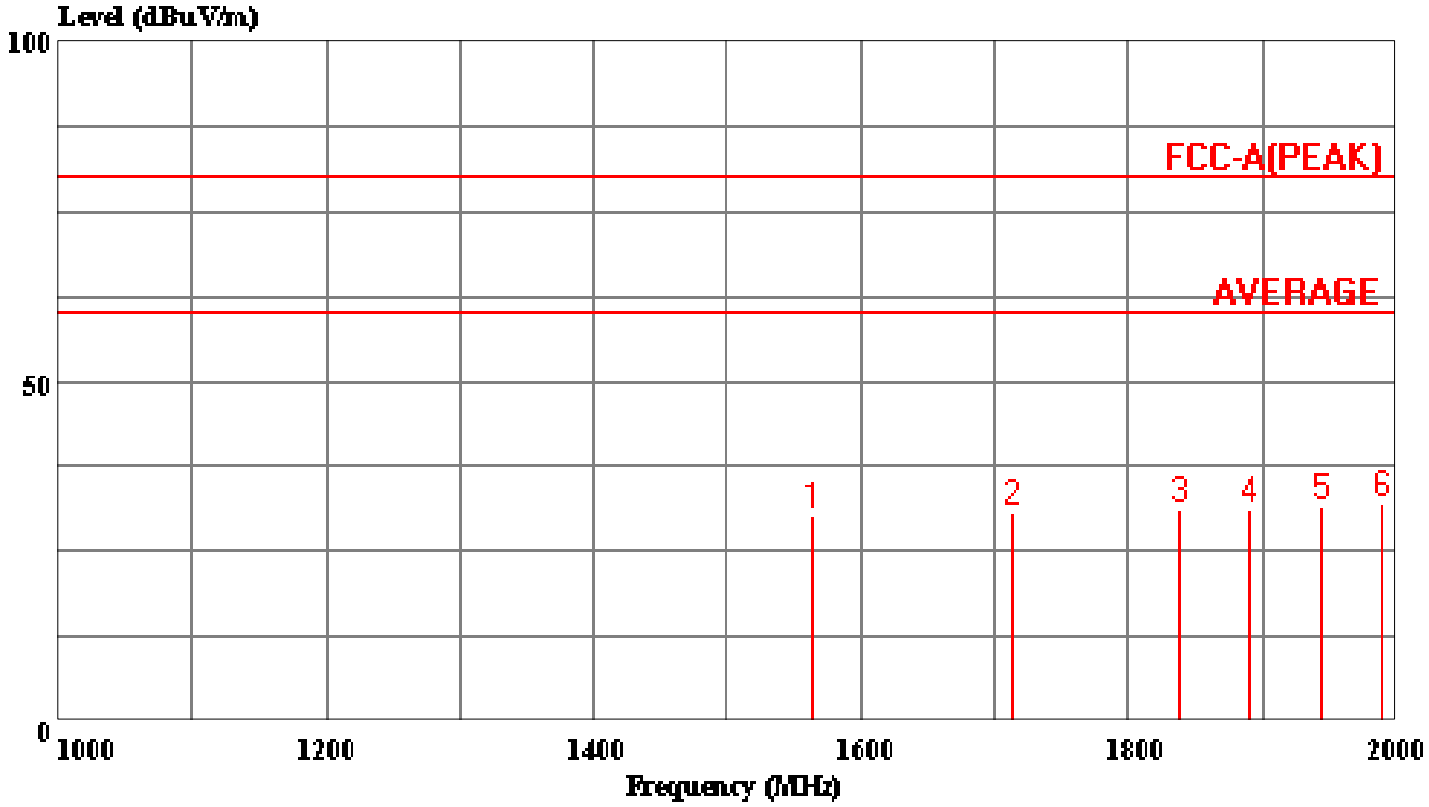
Tel:02-2217-0894 Fax:02-2217-1254

Data#: 7 File#: 9956g.EMI Date: 2002-02-07 Time: 01:41:49



(CES Chamber)

Trace: Ref Trace:

Condition: VERTICAL / 3m
Report No. : 02E9956
Test Engr. : CLIFF LAI
Company : AAEON Technology Inc.
EUT : AMB-2023HTT
Test Config : EUT/ ALL PERIPHERALS
Type of Test: FCC CLASS A W/ Limit + 20log(10/3)
Mode of Op. : 1-2G/ All Test Datas Under Average Limit

Page: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	1564.000	40.45	-10.18	30.27	80.00	-49.73	Peak
2	1712.000	40.27	-9.45	30.82	80.00	-49.18	Peak
3	1839.000	40.12	-8.82	31.30	80.00	-48.70	Peak
4	1889.000	39.89	-8.57	31.32	80.00	-48.68	Peak
5	1944.000	39.89	-8.30	31.59	80.00	-48.41	Peak
6	1989.000	40.01	-8.08	31.93	80.00	-48.07	Peak