FCC DoC
TEST REPORT

For

Fanless embedded controller

MODEL: xxxxxAEC-6831-xxxxxxx; xxxxxAEC-6822-xxxxxxx

Test Report Number:
90410204-F

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.

Sindian BU.

**No.163-1, Jhongsheng Rd., Sindian City,
Taipei County 23151, Taiwan**

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Issued Date: April 16, 2009

Testing Laboratory
1108

ACCREDITED
TESTING CERT #0824.01

Revision History

Rev.		Issue Date		Revisions	Effect Page	Revised By
00				Initial Issue	ALL	

TABLE OF CONTENTS

1 TEST RESULT CERTIFICATION

Product:	Fanless embedded controller
Model:	xxxxxAEC-6831-xxxxxxx (Where x is 0-9, A-Z, - or blank); xxxxxAEC-6822-xxxxxxx (Where x is 0-9, A-Z, - or blank)
Brand:	AAEON
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.
Tested:	April 10, 2009 & April 13, 2009

EMISSION			
Standard	**Item**	**Result**	**Remarks**
FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 4 ANSI C63.4-2003	Conducted (Main Port)	PASS	Meet Class A limit
	Radiated	PASS	Meet Class A limit

Note: *1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.*
2. The information of measurement uncertainty is available upon the customer's request.

Deviation from Applicable Standard
None

The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Vince Chiang
Assistant Manager of Sindian BU.

Reviewed by:

Vesta Hsu
Supervisor of report document dept. of Sindian BU.

2 EUT DESCRIPTION

Product	Fanless embedded controller
Brand Name	AAEON
Model	xxxxxAEC-6831-xxxxxxx (Where x is 0-9, A-Z, - or blank); xxxxxAEC-6822-xxxxxxx (Where x is 0-9, A-Z, - or blank)
Applicant	AAEON Technology Inc.
Housing material	Metal Case
Identify Number	90410204
Received Date	April 10, 2009
EUT Power Rating	9~30VDC from Adaptor
AC Power During Test	120VAC / 60Hz to Adaptor
AC Adaptor Manufacturer	FSP GROUP INC.
AC Adaptor Model	FSP036-1AD101C
AC Adaptor Power Rating	I/P: 100-240VAC, 50-60Hz; O/P: 12VDC
DC Power Cord Type	Unshielded, 1.8m (Non-Detachable, with a core) to AC Adaptor
OSC/Clock Frequencies	14.31818MHz; 25MHz; 32.768KHz; 24.576MHz

Model Differences

	Model Name	Difference	Tested (Checked)
Original	AEC-6831	Differences are the I/O Port.	☒
Additional	AEC-6822		☒

I/O PORT

AEC-6831:

I/O PORT TYPES	Q'TY	TESTED WITH
1. SIO Port	2	2
2. VGA Port	1	1
3. DVI Port	1	1
4. Audio in Port	1	1
5. Microphone Port	1	1
6. Earphone Port	1	1
7. USB Port	4	4
8. LAN Port	2	2
9. CFD Slot	1	1

AEC-6822:

I/O PORT TYPES	Q'TY	TESTED WITH
1. SIO Port	3	3
2. VGA Port	1	1
3. DVI Port	1	1
4. USB Port	4	4
5. LAN Port	2	2

Note: *None.*

3 TEST METHODOLOGY

3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the above additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The test configuration/ mode is as the following:

Conduction Modes:

1.	**AEC-6831**	**Normal Mode**
2.	**AEC-6822**	**Normal Mode**

Radiation Modes:

1.	**AEC-6831**	**Normal Mode**
		Normal Mode / 1-8GHz
2.	**AEC-6822**	**Normal Mode**

Conduction: Mode 1

Radiation: Mode 1

3.2. EUT SYSTEM OPERATION

1. Windows XP boots system.
2. Run Emctest.exe to activate all peripherals and display "H" pattern on monitor screen.
3. Run Winemc.exe and choose media player to play music.
4. Run Winemc.exe and choose "D:/ & E:/ & F:/" to test EUT.
5. Press the start menu, select executive and type ping 192.168.0.1 –t (EUT), ping 192.168.0.2 –t (EUT), ping 192.168.0.3 –t (Server PC).

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

4 SETUP OF EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

EUT Devices:

No.	Equipment	Model No.	Trade Name
1	CPU (1.6GHz)	ATOM N270	Intel
2	CFD (4GB)	N/A	Transcend
3	Memory (DDR2-667, 512MB)	ELPIDA E5108AJBG-6E-E	DSL
4	CPU Board	GENE-9455-xxxxxx (Where x is 0-9, A-Z, - or blank)	AAEON
5	Power Adaptor	FSP036-1AD101C	FSP GROUP INC.
Note: Client consigns only one model sample to test (CPU Board Model Number: GENE-9455).			

Peripherals Devices:

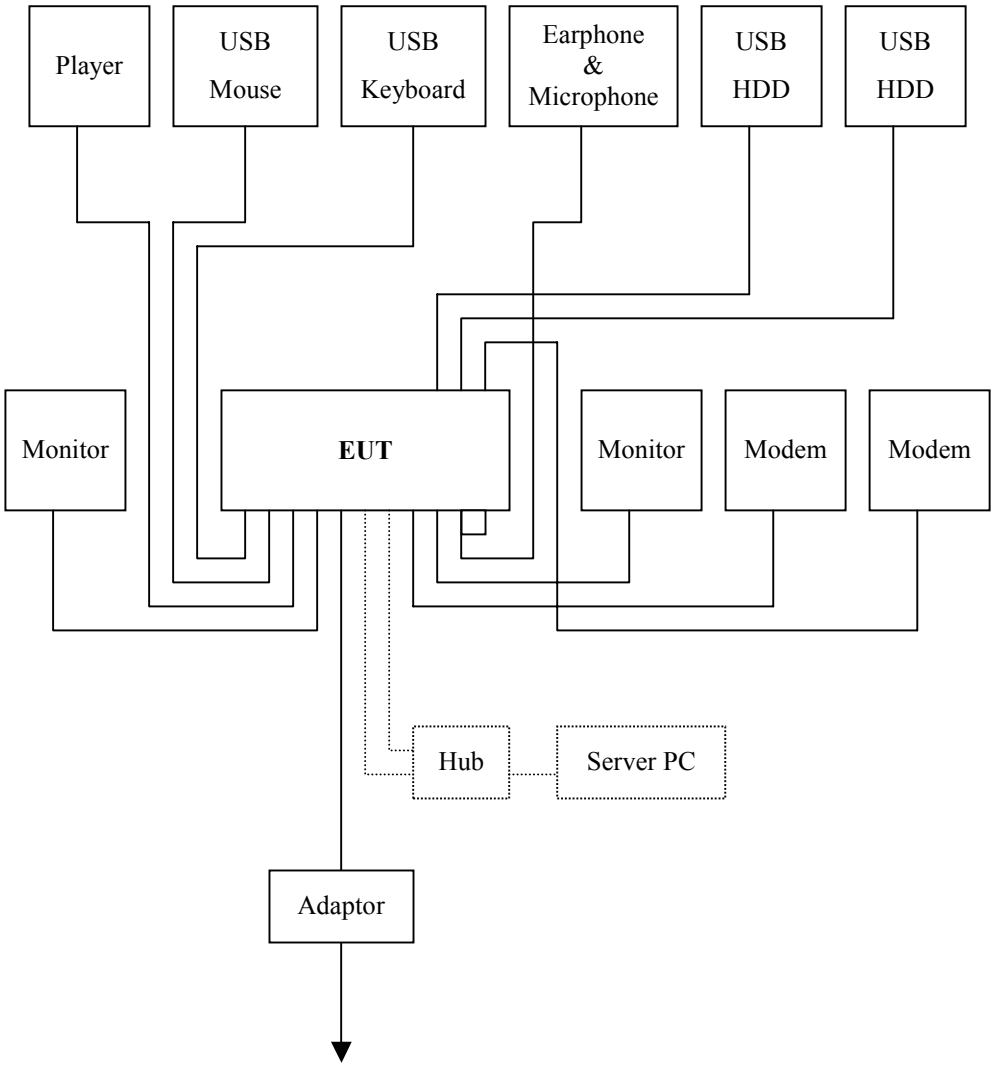
No.	Equipment	Model No.	Serial No.	FCC ID / BSMI ID	Trade Name	Data Cable	Power Cord
1	Player	RQ-L11LT	N/A	BSMI ID: 3912A162	Panasonic	Unshielded, 1.8m	N/A
2	USB Mouse	M-BT85	831114-0000	DOC BSMI: R41126	LOGITECH	Shielded, 1.8m	N/A
3	USB Keyboard	Y-BL49	STW42600036	DOC BSMI: R41126	LOGITECH	Shielded, 1.8m	N/A
4	Earphone & Microphone	MSB301	N/A	N/A	e-Sense	Unshielded, 1.8m	N/A
5~6	USB HDD	F12-U	N/A	BSMI ID: 4912A002	TeraSys	Shielded, 1.8m	N/A
7	Monitor	XL24	ED24H2DPB00001W	DOC BSMI: R33475	SAMSUNG	Shielded, 1.8m with two cores	Unshielded, 1.8m
8	Monitor	710V	GS17H9NXA05864E	DOC BSMI: R33475	SAMSUNG	Shielded, 1.8m with two cores	Unshielded, 1.8m
9~10	Modem	5JEG4033MKO	N/A	5RJTAI-35500-M5-E	TOP-SOLUTION	Shielded, 1.8m	Unshielded, 1.8m
11	Hub	DGS-1008D	N/A	N/A	D-Link	Unshielded, 20m X2	Unshielded, 1.8m
12	Server PC	DCNE	CV8DH1S	DOC BSMI: R33002	DELL	Unshielded, 1.0m	Unshielded, 1.8m

Note:

1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

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

4.2. CONFIGURATION OF SYSTEM UNDER TEST



5 FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at CCS Taiwan Sindian BU. at No.163-1, Jhongsheng Rd., Sindian City, Taipei County 23151, Taiwan.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4 and CISPR 16-1-5.

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

Taiwan	TAF
USA	A2LA

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	Industry Canada
Germany	TUV Rheinland
Japan	VCCI
Taiwan	BSMI
USA	FCC

Copies of granted accreditation certificates are available for downloading from our web site, http://www.ccsemc.com.tw

5.3. 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	Frequency	Uncertainty
Conducted emissions	0.15MHz~30MHz	± 1.7366
Radiated emissions	30MHz ~ 200MHz	± 3.8792
	200MHz ~1000MHz	± 3.8914

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2006, clause 11, Measurement Uncertainty) determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than U_{CISPR} which is 3.6dB and 5.2dB respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.

6 CONDUCTED EMISSION MEASUREMENT

6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

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**:*
(1) The lower limit shall apply at the transition frequencies.
(2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
(3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

6.2. TEST INSTRUMENTS

Conducted Emission room # B				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
TEST RECEIVER	R&S	ESHS10	843743/015	03/29/2010
LISN (EUT)	FCC	FCC-LISN-50-32-2	08009	03/29/2010
LISN	EMCO	3825/2	1382	01/05/2010
BNC CABLE	Huber+Suhner	RG 223/U	BNC B2	01/12/2010
Pulse Limiter	R&S	ESH3-Z2	100374	08/22/2009
THERMO-HYGRO METER	TOP	HA-202	9303-3	02/04/2010
Test S/W	EMI 32.exe			

***NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.*
2. N.C.R = No Calibration Request.

6.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

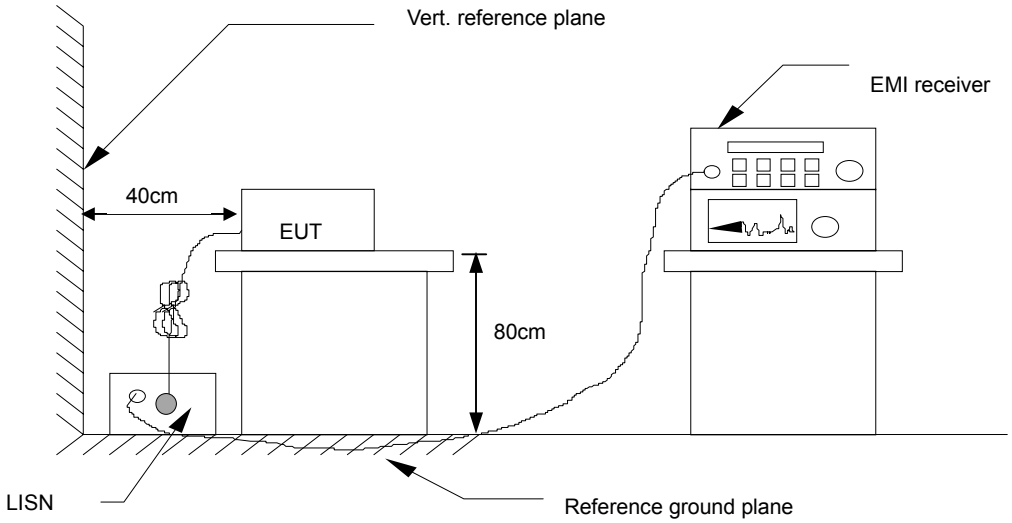
Procedure of Preliminary Test

- The EUT and Support equipment, if needed, 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 12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed received AC main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane.
- All support equipment power received from a second LISN.
- The EUT test program was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- 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 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The EUT configuration and cable configuration of the above highest emission levels 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 the configuration with highest emission level in 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.
- The test data of the worst-case condition(s) was recorded.

6.4. TEST SETUP



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

6.5. DATA SAMPLE

Freq. (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark (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 Line = 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 Line (dBuV)

6.6. TEST RESULTS

Model No.	AEC-6831	**6dB Bandwidth**	10 KHz
Environmental Conditions	22deg.C, 58% RH, 1010hPa	**Test Mode**	Mode 1
Tested by	Willy Hsu		

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

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)	Remark (P/Q/A)	Line (L1/L2)
0.182	**35.99**	**11.08**	**47.07**	**79.00**	**-31.93**	**P**	**L1**
0.251	**31.00**	**10.83**	**41.83**	**79.00**	**-37.17**	**P**	**L1**
13.915	**31.70**	**10.69**	**42.40**	**73.00**	**-30.60**	**P**	**L1**
14.440	**30.26**	**10.70**	**40.96**	**73.00**	**-32.04**	**P**	**L1**
0.184	**36.01**	**10.73**	**46.74**	**79.00**	**-32.26**	**P**	**L2**
13.841	**30.62**	**10.39**	**41.01**	**73.00**	**-31.99**	**P**	**L2**

NOTE: *1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line)*
2. The emission level was or more than 2dB below the Average limit, so no re-check anymore.

7 RADIATED EMISSION MEASUREMENT

7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Frequency (MHz)	Class A (dBuV/m) (At 3m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	60	80	54	74

***NOTE**: (1) The lower limit shall apply at the transition frequencies.*
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
(3) 10m to 3m: 20 log (3/10)=-10.4576dB.

7.2. TEST INSTRUMENTS

Open Area Test Site # I				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
MEASURE RECEIVER	SCHAFFNER	SCR3501	338	07/07/2009
SPECTRUM ANALYZER	ADVANTEST	R3132	120900008	No Calibration Required
ANTENNA	SCHAFFNER	CBL 6112B	2809	09/08/2009
AMPLIFIER	SCHAFFNER	CPA9231A	3626	10/12/2009
CABLE	BELDEN	9913	N-TYPE #I2	02/22/2010
THERMO-HYGRO METER	TECPEL	DTM-303	080268	05/11/2009
Test S/W	Lab VIEW 7.1			
Above 1GHz Used				
SPECTRUM ANALYZER (3Hz-44GHz)	Agilent	E4446A	MY48250064	10/28/2009
ANTENNA (1-18GHz)	EMCO	3115	00022256	01/22/2010
AMPLIFIER (1-18GHz)	HP	8449B	3008A01266	01/19/2010
CABLE (1-18GHz)	JYEBAO	LL142	SMA#RS1	01/19/2010
CABLE (1-18GHz)	HUBER +SUHNER	SUCOFLEX 104	SMA#RS3	01/19/2010
CABLE (1-18GHz)	JYEBAO	LL142	SMA#C1	01/19/2010
Test S/W	EZ-EMC			

***NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.*
2. N.C.R = No Calibration Request.

7.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

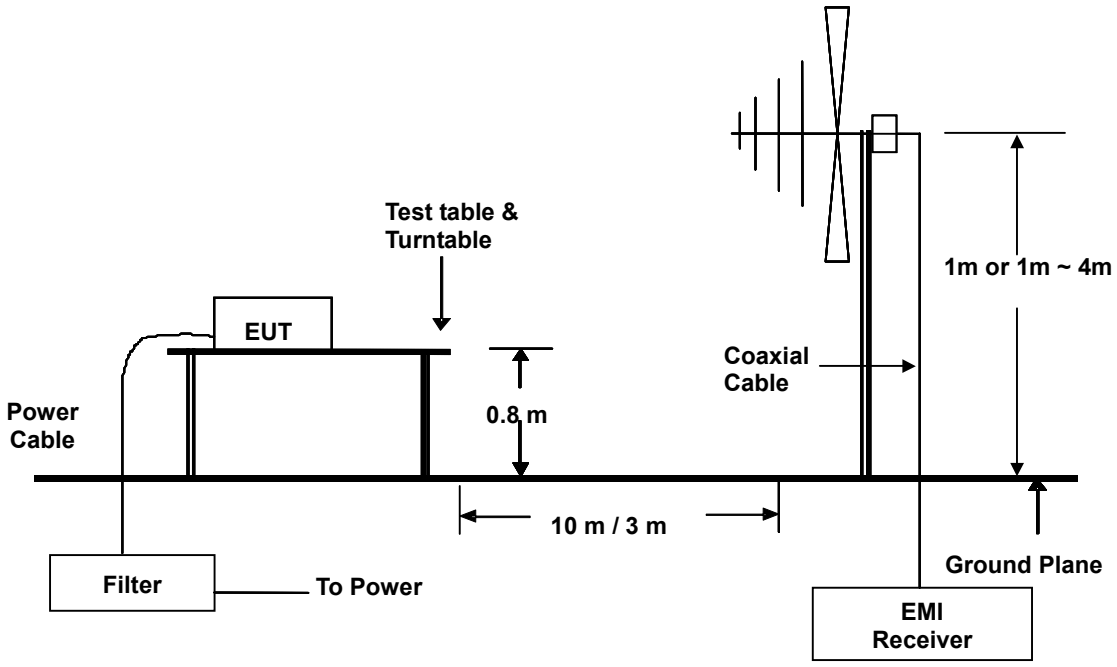
Procedure of Preliminary Test

- 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 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 from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 10/3 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 8000MHz. 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 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 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 the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 8000MHz. 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.

7.4. TEST SETUP



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

7.5. DATA SAMPLE

Below 1GHz

Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/Q/A)	Pol. (H/V)
x.xx	14.0	12.2	26.2	40	-13.8	Q	H

Freq. = Emission frequency in MHz
Reading = Uncorrected Analyzer/Receiver reading
Factor = Antenna Factor + Cable Loss + Attenuator (3/6/10dB) – Amplifier Gain
Result = 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) = Result (dBuV/m) – Limit (dBuV/m)

Above 1GHz

Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)
x.xx	42.95	0.55	43.50	60	-16.50	A	H

Freq. = Emission frequency in MHz
Reading = Uncorrected Analyzer/Receiver reading
Factor = Antenna Factor + Cable Loss - Amplifier Gain
Result = Reading + Factor
Limit = Limit stated in standard
Margin = Result – Limit
P = Peak Reading
A = Average Reading
H = Antenna Polarization: Horizontal
V = Antenna Polarization: Vertical

7.6. TEST RESULTS

Below 1GHz

Model No.	AEC-6831	**Test Mode**	Mode 1
Environmental Conditions	25deg.C, 55% RH, 1005 hPa	**6dB Bandwidth**	120 KHz
Antenna Pole	Vertical / Horizontal	**Antenna Distance**	10m
Detector Function	Quasi-peak.	**Tested by**	John Yen

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

Six Highest Radiated Emission Readings							
Frequency Range Investigated				**30 MHz to 1000 MHz at 10m**			
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/Q/A)	Pol. (H/V)
108.060	**47.00**	**-16.76**	**30.24**	**40.00**	**-9.76**	**Q**	**V**
124.991	**43.62**	**-16.01**	**27.61**	**40.00**	**-12.39**	**Q**	**V**
164.364	**46.60**	**-17.59**	**29.01**	**40.00**	**-10.99**	**Q**	**V**
194.380	**50.32**	**-18.21**	**32.11**	**40.00**	**-7.89**	**Q**	**V**
500.009	**41.85**	**-7.82**	**34.03**	**47.00**	**-12.97**	**Q**	**V**
749.995	**34.30**	**-4.43**	**29.87**	**47.00**	**-17.13**	**Q**	**V**

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

Six Highest Radiated Emission Readings							
Frequency Range Investigated				**30 MHz to 1000 MHz at 10m**			
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/Q/A)	Pol. (H/V)
108.192	**44.96**	**-16.75**	**28.21**	**40.00**	**-11.79**	**Q**	**H**
114.991	**38.69**	**-16.26**	**22.43**	**40.00**	**-17.57**	**Q**	**H**
194.340	**42.96**	**-18.21**	**24.75**	**40.00**	**-15.25**	**Q**	**H**
250.000	**44.63**	**-14.25**	**30.38**	**47.00**	**-16.62**	**Q**	**H**
750.001	**32.60**	**-4.43**	**28.17**	**47.00**	**-18.83**	**Q**	**H**
1000.000	**33.60**	**-1.45**	**32.15**	**47.00**	**-14.85**	**Q**	**H**

REMARKS: *1. 30MHz to 1000MHz test is Applicable CISPR 22 / EN 55022 standard.*
2. The other emission levels were very low against the limit.
3. P= Peak Reading; Q= Quasi-peak Reading; A= Average Reading

Above 1GHz

Model No.	AEC-6831	**Test Mode**	Mode 1
Environmental Conditions	26°C, 60% RH, 1010mbar	**6dB Bandwidth**	1000 KHz
Antenna Pole	Vertical / Horizontal	**Antenna Distance**	3m
Detector Function	Peak or Average	**Tested by**	John Yen

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

Six Highest Radiated Emission Readings							
Frequency Range Investigated				**1000 MHz to 8000 MHz at 3m**			
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)
1748.000	**39.75**	**-7.46**	**32.29**	**80.00**	**-47.71**	**P**	**V**
3074.000	**39.99**	**-1.99**	**38.00**	**80.00**	**-42.00**	**P**	**V**
3516.000	**44.05**	**-0.75**	**43.30**	**80.00**	**-36.70**	**P**	**V**
4298.000	**44.98**	**0.96**	**45.94**	**80.00**	**-34.06**	**P**	**V**
5352.000	**41.96**	**3.97**	**45.93**	**80.00**	**-34.07**	**P**	**V**
6610.000	**42.92**	**4.46**	**47.38**	**80.00**	**-32.62**	**P**	**V**

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

Six Highest Radiated Emission Readings							
Frequency Range Investigated				**1000 MHz to 8000 MHz at 3m**			
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)
2428.000	**40.88**	**-4.53**	**36.35**	**80.00**	**-43.65**	**P**	**H**
3414.000	**43.23**	**-1.04**	**42.19**	**80.00**	**-37.81**	**P**	**H**
4366.000	**43.68**	**0.97**	**44.65**	**80.00**	**-35.35**	**P**	**H**
4944.000	**43.29**	**2.51**	**45.80**	**80.00**	**-34.20**	**P**	**H**
5998.000	**42.11**	**4.20**	**46.31**	**80.00**	**-33.69**	**P**	**H**
6984.000	**42.88**	**5.36**	**48.24**	**80.00**	**-31.76**	**P**	**H**

REMARKS: *1. The other emission levels were very low against the limit.*
2. P= Peak Reading; A= Average Reading.

8 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST

RADIATED EMISSION TEST