

Reference No.: A04060204 Report No.:FCAA03053001-03

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Issued Date: Jun. 03, 2004

Product Name:

ETX CPU Module

Model No .:

ETX-625

Applicant:

AAEON TECHNOLOGY INC.

5F, NO. 135, LANE 235, PAO CHIAO RD., HSIN-TIEN

CITY, TAIPEI, TAIWAN, R.O.C.

Date of Receipt:

Sep. 01, 2003

Finished date of Test: Oct. 30, 2003

Applicable Standards: 47 CFR Part 15, Subpart B, Class A

ANSI C63.4:1992

We, Spectrum Research & Testing Laboratory Inc., hereby certify that one sample of the above was tested in our laboratory with positive results according to the above-mentioned standards. The records in the report are an accurate account of the results. Details of the results are given in the subsequent pages of this report.

ren for , Date: >00 4. 06. 03

Approved By:

Date: Jun 03, 2004

(Johnson Ho, Director)

Lab Code: 200099-0



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1. DOCUMENT POLICY AND TEST STATEMENT

1.1 DOCUMENT POLICY

- The report shall not be reproduced except in full, without the written approval of SRT Lab, Inc.
- The report must not be used by the applicant to claim that the product is endorsed by NVLAP, TÜV, NEMKO and SRT.
- The NVLAP logo applies only to the applicable standards specified in this report.

1.2 TEST STATEMENT

- The test results in the report apply only to the unit tested by SRT Lab.
- There was no deviation from the requirements of test standards during the test.
- AC power source, 120 Vac/60 Hz, was used during the test.



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2. DESCRIPTION OF EUT AND TEST MODE

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	ETX CPU Module			
MODEL NO. ETX-625				
POWER SUPPLY	DC from PC			
CABLE	N/A			

NOTE

For more detailed information, please refer to the EUT's specification or user's manual provided by manufacturer.

2.2 DESCRIPTION OF EUT INTERNAL DEVICE

DEVICE	BRAND / MAKER	MODEL#	FCC ID/DOC	REMARK
N/A				

NOTE:

1. Frequency range to be measured. Radiated emission is 30MHz to 4.7GHz.



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2.3 DESCRIPTION OF TEST MODE

The EUT was pre-tested under the following video resolution:

640x480, 1024x768 and 1600x1200

The worst emission was found under 1600x1200 and therefore the test data of only this mode is recorded.

The EUT was tested for emission measurement under the following situations:

Mode	Output
1	CRT+LCD
2	CRT+TV



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2.4 DESCRIPTION OF SUPPORT UNIT

The EUT was configured by the requirement of ANSI C63.4:1992 and CISRP22:1997. All interface ports were connected to the appropriate support units via specific cables. The support units and cables are listed below.

NO	DEVICE	BRAND	MODEL #	FCC ID/DOC	CABLE
1	MONITOR	SAMSUNG	PG17IS	DOC	1.5m unshielded power cord 1.2m shielded data cable
2	PRINTER	EPSON	STYLUS C20SX	DOC	1.5m unshielded power cord 1.2m shielded data cable
3	MODEM	ACEEX	DM-1414	DOC	1.5m unshielded DC power cable1.2m shielded data cable
4	MODEM	ACEEX	DM-1414	DOC	1.5m unshielded DC power cable 1.2m shielded data cable
5	MODEM	ACEEX	DM-1414	DOC	1.5m unshielded DC power cable1.2m shielded data cable
6	KEYBOARD	IBM	SK-8820	DOC	1.5m unshielded data cable
7	MOUSE	IBM	MU29J	DOC	1.5m unshielded data cable
8	USB 2.0 HDD	TERASYS	F12-U	DOC	1.5m unshielded power cord 1.2m shielded data cable
9	USB 2.0 HDD	TERASYS	F12-U	DOC	1.5m unshielded power cord 1.2 shielded data cable
10	1394 HDD	TERASYS	F12-U	DOC	1.5m unshielded power cord 1.2m shielded data cable
11	1394 HDD	TERASYS	F12-U	DOC	1.5m unshielded power cord 1.2 shielded data cable
12	TV	PANASONIC	TC-14S10R2	N/A	1.8 unshielded power cord
13	SPEAKER	JS	J-205A	N/A	1.5 unshielded power cord 1.2 unshielded data cable
14	MP3 PLAYER	CURSOR	GSR-A01C	DOC	1.2m shielded data cable
15	MIC	TAKY	UDM-606	N/A	1.8m unshielded data cable
16	MODULAR PANEL PC	ARBOR	P1506	DOC	N/A

NOTE: For the actual test configuration, please refer to the photos of testing.



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3. DESCRIPTION OF APPLIED STANDARDS

The EUT could be used in industrial environment information provided by the applicant, it must comply with the requirements of the following standards: 47 CFR Part 15 Subpart B, Class A

All tests have been performed and recorded as per the above standards.



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4. CONDUCTED EMISSION TEST

4.1 CONDUCTED EMISSION LIMIT

FREQUENCY (MHz)	Class A	(dBμV)	Class B (dBμV)		
FREQUENCT (WITZ)	Quasi-peak	Average	Quasi-peak	Average	
0.15 - 0.5	79	66	66 - 56	56 - 46	
0.5 - 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.

4.2 TEST EQUIPMENT

The following test equipment was used for the test:

EQUIPMENT/ FACILITIES	SPECIFICATIONS	MANUFACTURER	MODEL#/ SERIAL#	DUE DATE OF CAL. & CAL. CENTER	
EMI TEST	9 kHz TO	ROHDE &	ESCS30/	AUG. 2004	
RECEIVER	2750 MHz	SCHWARZ	830245/012	ETC	
LICNI (for ELIT)	FOULL FOokm	SOLAR	8012-50-R-24-BNC	JUN. 2004	
LISN (for EUT)	50 μH, 50 ohm	ELECTRONICS	/ 924839	ETC	
LISN	FOULL FO obm	SOLAR	9252-50-R-24-BNC	JUN. 2004	
(for Peripheral)	50μH, 50 ohm	ELECTRONICS	/ 951318	ETC	
50 ohm	50 obm	50 share		MAY 2004	
TERMINATOR	50 ohm	HP	2	ETC	
COAXIAL	2m	CLINCITY	J400/	JUL. 2004	
CABLE	3m	SUNCITY	3M	SRT	
ISOLATION	N/A	A D C	AFC-11015/	N/A	
TRANSFORMER	IN/A	APC	F102040016	IN/A	
FILTED	OLINE COA	FIL COIL	FC-943/	NI/A	
FILTER	2 LINE, 30A	FIL.COIL	771	N/A	
CDOUND DLANE	2.3M (H) x	CDT	NI/A	APR. 2004	
GROUND PLANE	2.4M (W)	SRT	N/A	SRT	
ODOLIND DI ANE	2.4M (H) x	CDT	NI/A	APR. 2004	
GROUND PLANE	2.4M (W)	SRT	N/A	SRT	

NOTE: The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

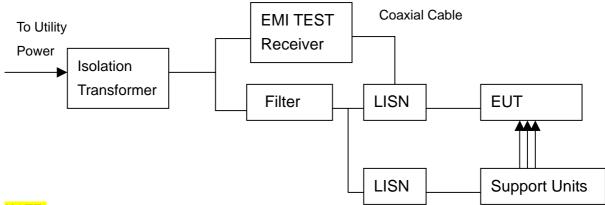


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4.3 TEST SETUP



NOTE:

- 1. The EUT was put on a wooden table with 0.8m height above ground plane, and 0.4m away from reference ground plane (> 2mx2m).
- 2. For the actual test configuration, please refer to the photos of testing.
- 3. The serial no. of the LISN connected to EUT is 951318.
- 4. The serial no. of the LISN connected to support units is 924839.

4.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.4:1992 and CISRP22:1997. The frequency spectrum from 0.15 MHz to 30 MHz was investigated. The LISN used was 50 ohm/50µH as specified. All readings were quasi-peak and average values with 10 kHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. Both lines of the power mains of EUT were measured and the cables connected to EUT and support units were moved to find the maximum emission levels for each frequency. First, Find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.



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4.5 EUT OPERATING CONDITION

- 1. Under WIN 2000 ran "EMI TEST", "WIN FCC", "XCOPY" and "Media Player" programs.
- 2. PC sent "H" pattern or accessed the following peripherals directly or via EUT:
 - Color Monitor
 - RS232
 - Keyboard
 - Mouse
 - Printer
 - FDD
 - HDD
- 3. Accessed data from internet.



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4.6 TEST RESULT

Temperature: 25 °C Humidity: 51 %RH

Ferquency Range: 0.15 – 30 MHz Tested Mode: 1 (CRT+LCD)

Receiver Detector: Q.P. and AV. Tested By: Shunm Wang

Tested Date: Oct. 17, 2003

Power Line Measured: Line

Freq.	Correct. Factor		g Value μV)		n Level μV)		nit μV)		rgin B)
((dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.240	0.20	40.1	34.6	40.3	34.8	79.0	66.0	-38.7	-31.2
0.349	0.20	42.7	35.1	42.9	35.3	79.0	66.0	-36.1	-30.7
0.709	0.20	34.6	28.9	34.8	29.1	73.0	60.0	-38.2	-30.9
1.244	0.20	30.1	25.3	30.3	25.5	73.0	60.0	-42.7	-34.5
7.009	0.35	44.5	41.9	44.8	42.2	73.0	60.0	-28.2	-17.8
8.224	0.37	34.0	29.1	34.4	29.5	73.0	60.0	-38.6	-30.5

Power Line Measured: Neutral

Freq.	Correct. Factor		g Value μV)		n Level μV)		nit μV)		gin B)
((dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.246	0.20	43.4	38.6	43.6	38.8	79.0	66.0	-35.4	-27.2
0.353	0.20	42.3	30.4	42.5	30.6	79.0	66.0	-36.5	-35.4
0.697	0.20	29.4	22.5	29.6	22.7	73.0	60.0	-43.4	-37.3
1.521	0.20	22.2	16.9	22.4	17.1	73.0	60.0	-50.6	-42.9
6.861	0.35	42.5	40.1	42.8	40.4	73.0	60.0	-30.2	-19.6
8.130	0.37	34.1	32.8	34.5	33.2	73.0	60.0	-38.5	-26.8

- 1. Measurement uncertainty is +/-2dB
- 2. Emission level = Reading value + Correction factor
- 3. Correction Factor = Cable loss + Insertion loss of LISN
- 4. Margin value = Emission level Limit
- 5. The emission of other frequencies were very low against the limit.
- 6. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.



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Temperature: 25 °C Humidity: 51 %RH

Ferquency Range: 0.15 – 30 MHz Tested Mode: 2 (CRT+TV)

Receiver Detector: Q.P. and AV. Tested By: Shunm Wang

Tested Date: Oct. 17, 2003

Power Line Measured: Line

Freq.	Correct. Factor		g Value μV)	Emissio	n Level μV)		nit μV)	Mar (d	gin B)
((dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.213	0.20	46.6	35.6	46.8	35.8	79.0	66.0	-32.2	-30.2
0.427	0.20	41.2	20.1	41.4	20.3	79.0	66.0	-37.6	-45.7
0.869	0.20	36.6	19.9	36.8	20.1	73.0	60.0	-36.2	-39.9
7.060	0.35	38.4	30.1	38.7	30.4	73.0	60.0	-34.3	-29.6
8.466	0.37	52.3	38.6	52.7	39.0	73.0	60.0	-20.3	-21.0
28.638	0.77	40.3	38.8	41.1	39.6	73.0	60.0	-31.9	-20.4

Power Line Measured: Neutral

Freq.	Correct. Factor		g Value μV)		n Level μV)		nit μV)		rgin B)
((dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.209	0.20	40.1	31.2	40.3	31.4	79.0	66.0	-38.7	-34.6
0.552	0.20	32.3	21.3	32.5	21.5	73.0	60.0	-40.5	-38.5
0.611	0.20	32.2	21.6	32.4	21.8	73.0	60.0	-40.6	-38.2
1.283	0.20	31.4	18.6	31.6	18.8	73.0	60.0	-41.4	-41.2
4.353	0.30	25.0	19.1	25.3	19.4	73.0	60.0	-47.7	-40.6
14.318	0.49	39.6	39.4	40.1	39.9	73.0	60.0	-32.9	-20.1

- 1. Measurement uncertainty is +/-2dB
- 2. Emission level = Reading value + Correction factor
- 3. Correction Factor = Cable loss + Insertion loss of LISN
- 4. Margin value = Emission level Limit
- 5. The emission of other frequencies were very low against the limit.
- 6. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.



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5. RADIATED EMISSION TEST

5.1 RADIATED EMISSION LIMIT

CISPR 22:1997 limits of radiated emission measurement for frequency below 1000 MHz

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
PREQUENCT (MINZ)	dB _μ V/m	dBμV/m
30 – 230	40	30
230 - 1000	47	37

NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level (dB μ V/m) = 20 log Emission level (μ V/m).

FCC Part 15, Subpart B limit of radiated emission for frequency above 1000 MHz

FREQUENCY (MHz)	Class A (dBp	uV/m) (at 3m)	Class B (dBµV/m) (at 3m)			
FREQUENCT (MINZ)	PEAK	AVERAGE	PEAK	AVERAGE		
Above 1000	80.0	60.0	74.0	54.0		



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5.2 TEST EQUIPMENT

The following test equipment was used during the radiated emission test:

EQUIPMENT/ FACILITIES	SPECIFICATIONS	MANUFACTURER	MODEL#/ SERIAL#	DUE DATE OF CAL. & CAL. CENTER
EMI TEST	20 MHz TO	ROHDE &	ESVS30/	AUG. 2004
RECEIVER	1 GHz	SCHWARZ	841977/003	ETC
BI-LOG	25 MHz TO	FMCC	3142/	APR. 2004
ANTENNA	2 GHz	EMCO	9701-1124	SRT
SPECTRUM	9 KHz TO	HP	8593E/	MAY 2004
ANALYZER	26.5 GHz		3710A03220	ETC
PRE-AMPLIFIER	1 GHz TO	HP	8449B/	DEC. 2003
	26.5 GHz		3008A01019	ETC
HORN	1 GHz TO	EMCO	3115/	DEC. 2003
ANTENNA	18 GHz		9602-4681	ETC
OATO	3 – 10 M	SRT	SRT-1	APR. 2004
OATS	MEASUREMENT	SKI	3K1-1	SRT
COAXIAL	25M	CLINCITY	J400/	AUG. 2004
CABLE	Z5 V	SUNCITY	25M	SRT
CII TED	2110 204	FII COII	FC-943/	NI/A
FILTER	2 LINE, 30A	FIL.COIL	869	N/A
FREQUENCY	NI/A	ADC	AFC-2KBB/	AUG. 2004
CONVERTER	N/A	APC	F100030031	SRT

- 1. The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.
- 2. The Open Area Test Site (SRT-1) is registered by FCC with No. 90957 and VCCI with No. R-1081.
- 3. The Open Area Test Site (SRT-2) is registered by FCC with No. 98458 and VCCI with No. R-1168.

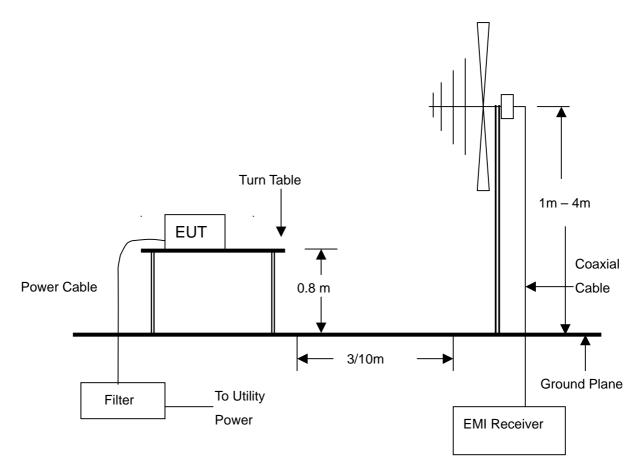


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5.3 TEST SET-UP



- 1. The EUT system was put on a wooden table with 0.8m heights above a ground plane.
- 2. For the actual test configuration, please refer to the photos of testing.



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5.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.4:1992 and CISPR 22:1997. The measurements were made at an open area test site with 10 meter measurement distance under 1 GHz and with 3m distance above 1GHz. The frequency spectrum measured started from 30 MHz. Under 1 GHz, all readings were quasi-peak values with 120 kHz resolution bandwidth of the test receiver. Above 1 GHz, the measurements were made at an open area test site with 3 meter measurement distance and all readings were peak or average values with 1 MHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. The cables connected to EUT and support units were moved to find the maximum emission levels for each frequency. First, Find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.

5.5 EUT OPERATING CONDITION

Same as section 4.5 of this report.



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5.6 RADIATED EMISSION TEST RESULT

Temperature: 25 °C Humidity: 53 %RH

Ferquency Range: 30 – 1000 MHz Measured Distance: 10m

Receiver Detector: Q.P. Tested Mode: 1 (CRT+LCD)

Tested By: Shunm Wang Tested Date: Oct. 17, 2003

Antenna Polarization:Horizontal

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	AZ(°)	EL(m)
45.4664	0.73	11.05	17.4	29.2	40.0	-10.8	355.6	4.00
66.5510	0.85	7.30	16.4	24.5	40.0	-15.5	131.6	4.00
71.9978	0.90	7.10	18.0	26.0	40.0	-14.0	129.1	4.00
84.4332	0.92	7.38	16.5	24.8	40.0	-15.2	152.1	4.00
133.1570	1.11	7.44	22.0	30.5	40.0	-9.5	262.6	4.00
214.2916	1.35	10.26	20.0	31.6	40.0	-8.4	188.0	3.60

Antenna Polarization: Vertical

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBµV)	Emission Level (dBµV/m)	Limit Margin (dBµV/m) (dB)		AZ(°)	EL(m)
45.4664	0.73	11.05	23.2	35.0	40.0	-5.0	121.1	1.00
57.2720	0.77	8.05	24.3	33.1	40.0	-6.9	235.9	1.00
66.6984	0.85	7.30	21.2	29.3	40.0	-10.7	227.2	1.10
71.4220	0.90	7.10	22.0	30.0	40.0	-10.0	254.3	2.03
84.4134	0.92	7.38	21.5	29.8	40.0	-10.2	76.3	1.58
133.1570	1.11	7.44	23.2	31.7	40.0	-8.3	200.3	1.00

- 1. Measurement uncertainty is +/-4dB.
- 2. "*": Measurement does not apply for this frequency.
- 3. Emissiom Level = Reading Value + Ant. Factor + Cable Loss.
- 4. The field strength of other emission frequencies were very low against the limit.



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Temperature: 25 °C Humidity: 53 %RH

Ferquency Range: 30 – 1000 MHz Measured Distance: 10m

Receiver Detector: Q.P. Tested Mode: 2 (CRT+TV)

Tested By: Shunm Wang Tested Date: Oct. 17, 2003

Antenna Polarization:Horizontal

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	AZ(°)	EL(m)
66.6830	0.85	7.30	18.3	26.4	40.0	-13.6	340.1	4.00
169.2200	1.22	8.99	17.0	27.2	40.0	-12.8	140.2	3.90
179.8674	1.24	10.35	15.9	27.5	40.0	-12.5	119.3	4.00
196.6721	1.35	10.10	15.4	26.9	40.0	-13.2	149.2	4.00
225.7390	1.40	10.60	18.9	30.9	40.0	-9.1	251.9	3.80
533.5699	2.26	19.26	16.1	37.6	47.0	-9.4	198.2	3.20

Antenna Polarization: Vertical

-								
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	AZ(°)	EL(m)
56.5831	0.77	8.20	21.9	30.9	40.0	-9.1	135.2	1.00
66.6990	0.85	7.30	19.5	27.6	40.0	-12.4	250.1	1.00
84.5222	0.92	7.38	20.9	29.2	40.0	-10.8	222.3	1.20
197.6285	1.35	10.05	21.5	32.9	40.0	-7.1	238.8	1.30
322.8564	1.70	14.90	18.4	35.0	47.0	-12.0	201.6	1.20
533.4537	2.26	19.26	17.9	39.4	47.0	-7.6	190.5	1.90

- 1. Measurement uncertainty is +/-4dB.
- 2. "*": Measurement does not apply for this frequency.
- 3. Emissiom Level = Reading Value + Ant. Factor + Cable Loss.
- 4. The field strength of other emission frequencies were very low against the limit.



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Temperature: 25 °C Humidity: 53 %RH

Ferquency Range: 1 – 4.7 GHz Measured Distance: 3m

Receiver Detector: PK. or AV. Tested Mode: 1 (CRT+LCD)

Tested By: Shunm Wang Tested Date: Oct. 17, 2003

Antenna Polarization: Horizontal

Frequency (MHz)	Correct Factor (dB)			Factor Factor (dB)		Data (dB _µ V)		Emission Level (dBµV/m)		Limit (dBµV/m)		Margin (dB)		EL (m)
	, ,	,	PK.	AV.	PK.	AV.	PK.	AV.	PK.	AV.				
1071.1300	-34.61	24.40	69.8	60.2	59.6	50.0	80.0	60.0	-20.4	-10.0	35.6	1.00		
1336.8300	-33.07	24.94	62.5	53.4	54.4	45.3	80.0	60.0	-25.6	-14.7	268.1	1.20		
1603.6500	-32.92	25.69	65.1	56.7	57.9	49.5	80.0	60.0	-22.1	-10.5	168.4	1.00		
1735.2200	-33.00	26.19	64.1	55.8	57.3	49.0	80.0	60.0	-22.7	-11.0	321.6	1.16		
3406.9600	-31.46	32.22	60.2	51.9	61.0	52.7	80.0	60.0	-19.0	-7.3	94.2	1.50		
4840.9800	-30.37	33.67	61.9	52.5	65.2	55.8	80.0	60.0	-14.8	-4.2	106.7	1.33		

Antenna Polarization: Vertical

Frequency (MHz)	Correct Factor (dB)			ding ata µV)	Le	ssion vel ıV/m)		mit V/m)	Mar (d	gin B)	AZ (°)	EL (m)
			PK.	AV.	PK.	AV.	PK.	AV.	PK.	AV.		
1070.9000	-34.61	24.35	71.2	62.5	60.9	52.2	80.0	60.0	-19.1	-7.8	195.6	1.00
1205.1900	-33.86	24.65	65.2	56.8	56.0	47.6	80.0	60.0	-24.0	-12.4	275.6	1.30
1336.7600	-33.07	24.94	64.2	65.6	56.1	57.5	80.0	60.0	-23.9	-2.5	10.2	1.10
1471.3300	-30.21	25.24	63.2	54.9	58.2	49.9	80.0	60.0	-21.8	-10.1	351.0	1.40
3284.5200	-31.77	31.85	58.9	49.2	59.0	49.3	80.0	60.0	-21.0	-10.7	128.4	1.09
4299.1600	-30.27	32.96	59.5	50.1	62.2	52.8	80.0	60.0	-17.8	-7.2	0	1.00

- 1. Measurement uncertainty is 4dB.
- 2. "*": Measurement does not apply for this frequency.
- 3. Emissiom Level = Reading Value + Ant. Factor + Cable Loss.
- 4. The field strength of other emission frequencies were very low against the limit.
- 5. "-": The Peak reading value also meets average limit and measurement with the average detector is unnecessary.



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Temperature: 25 °C Humidity: 53 %RH

Ferquency Range: 1 – 4.7 GHz Measured Distance: 3m

Receiver Detector: PK. or AV. Tested Mode: 2 (CRT+TV)

Tested By: Shunm Wang Tested Date: Oct. 17, 2003

Antenna Polarization: Horizontal

Frequency (MHz)	Correct Factor (dB)			ding ata µV)	Le	ssion vel ıV/m)		mit V/m)	Mar (d	gin B)	AZ (°)	EL (m)
			PK.	AV.	PK.	AV.	PK.	AV.	PK.	AV.		
1071.2000	-34.61	24.40	67.1	58.9	56.9	48.7	80.0	60.0	-23.1	-11.3	45.6	1.10
1134.2500	-34.63	24.49	64.2	55.9	54.1	45.8	80.0	60.0	-25.9	-14.2	145.6	1.00
1336.7500	-33.07	24.94	62.1	63.5	54.0	55.4	80.0	60.0	-26.0	-4.6	128.9	1.00
1734.1000	-33.00	26.19	61.6	52.6	54.8	45.8	80.0	60.0	-25.2	-14.2	355.1	1.21
3288.5100	-31.77	31.86	58.5	49.6	58.6	49.7	80.0	60.0	-21.4	-10.3	62.5	1.30
4696.2000	-30.58	33.56	61.0	52.6	64.0	55.6	80.0	60.0	-16.0	-4.4	156.2	1.20

Antenna Polarization: Vertical

Frequency (MHz)	Correct Factor (dB)	Antenna Factor (dB/m)	Da	ding ata µV)	Le	ssion vel V/m)		mit V/m)	Mar (d		AZ (°)	EL (m)
	, ,	,	PK.	AV.	PK.	AV.	PK.	AV.	PK.	AV.		
1071.2200	-34.61	24.36	68.1	59.6	57.8	49.3	80.0	60.0	-22.2	-10.7	240.3	1.00
1133.1200	-34.64	24.49	67.9	58.4	57.8	48.3	80.0	60.0	-22.2	-11.7	211.5	1.10
1468.3500	-30.14	25.23	61.5	52.6	56.6	47.7	80.0	60.0	-23.4	-12.3	40.3	1.41
1603.6100	-32.92	25.69	63.5	54.4	56.3	47.2	80.0	60.0	-23.7	-12.8	309.7	1.20
3067.9500	-32.14	31.20	57.1	48.6	56.2	47.7	80.0	60.0	-23.8	-12.3	179.3	1.00
4955.8900	-30.25	33.76	59.9	50.4	63.4	53.9	80.0	60.0	-16.6	-6.1	50.6	1.20

- 1. Measurement uncertainty is 4dB.
- 2. "*": Measurement does not apply for this frequency.
- 3. Emissiom Level = Reading Value + Ant. Factor + Cable Loss.
- 4. The field strength of other emission frequencies were very low against the limit.
- 5. "-": The Peak reading value also meets average limit and measurement with the average detector is unnecessary.



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6.

PHOTOS OF TESTING
- Conducted test (CRT+LCD)







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- Conducted test (CRT+TV)







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- Radiated test (CRT+LCD: Below 1GHz)







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- Radiated test (CRT+TV: Below 1GHz)







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- Radiated test (CRT+LCD: Above 1GHz)







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- Radiated test (CRT+TV: Above 1GHz)







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7. TERMS OF ABRIVATION

AV.	Average detection
AZ(°)	Turn table azimuth
Correct.	Correction
EL(m)	Antenna height (meter)
EUT	Equipment Under Test
Horiz.	Horizontal direction
LISN	Line Impedance Stabilization Network
NSA	Normalized Site Attenuation
Q.P.	Quasi-peak detection
SRT Lab	Spectrum Research & Testing Laboratory, Inc.
Vert.	Vertical direction