CE MARK TECHNICAL FILE

AUSTRALIA EMC CONSTRUCTION FILE

of

System Computer

Model/ Type/ Machine Type

G500; G600

Contains:

1. Declaration of Conformity
2. EN55022/CISPR 22, AS/NZS 3548 Class B EMI test report
3. EN55024, AS/NZS 4252.1, EN61000-3-2, and EN61000-3-3 test report
4. Certificate of EN60950
5. Block Diagram and Schematics
6. User`s manual

Date: 2001/09/03

ISL-01A071E

Acer Incorporated
7 Hsin Ann Road
Science-Based Industrial Park
Hsinchu 300, Taiwan
R.O.C.

Telephone: (03) 577-0707
Facsimile: (03) 577-8500

Declaration of Conformity

Name of Manufacturer:	Acer Inc.
Address of Manufacturer:	7 Hsin Ann Rd., Science-Based Industrial Park Hsinchu 30077 Taiwan, R. O. C.
Declares that product:	System Computer
Model/ Type/ Machine Type:	G500; G600
Assembled by:	Same as above
Address:	Same as above

Conforms to the EMC Directive 89/336/EEC as attested by conformity with the following harmonized standards:

EN55022:1994 /A1:1995 /A2: 1997: Limits and Methods of Measurement of Radio Interference characteristics of Information Technology Equipment

EN55024: 1998: Information technology equipment--Immunity characteristics --Limits and methods of measurement

EN61000-3-2: 1995: A1:1998/A2:1998: Limits for harmonics current emissions

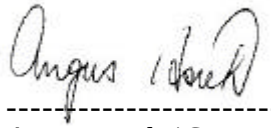
EN61000-3-3: 1995: Limits for voltage fluctuations and flicker in low-voltage supply systems

Conforms to the Low Voltage Directive 73/23/EEC as attested by conformity with the following harmonized standard:

EN60950:1992 /A1:1993, A2:1993 /A3:1995 /A4:1997 /A11:1997: Safety of Information Technology Equipment Including electrical business equipment

Conforms to the C-Tick Mark requirement as attested by conformity with the following standards:

AS/NZS 3548: 1995 /A1:1997 /A2:1997: Information technology equipment
AS/NZS 4252.1:1994: Generic Immunity



2001/09/07

Angus Hsieh / Sr. Director
Acer Inc.

Date

ISL-01A071E

EN55024 / AS/NZS 4252.1 / IMMUNITY
EN61000-3-2 / HARMONICS
EN61000-3-3 / VOLTAGE FLUCTUATIONS

TEST REPORT

of

System Computer

Model/ Type/ Machine Type

G500; G600

Applied by:

Acer Inc.
7 Hsin Ann Rd., Science-Based Industrial Park
Hsinchu 30077
Taiwan, R. O. C.

Test Performed by:

(NVLAP Lab. Code: 200234-0)
International Standards Laboratory
No. 21, Alley 37, Lane 122, Sec. 2
Hsiwan Rd. Hsichih
Taipei Hsien 22117
Taiwan, R.O.C.

Tel:(02)2646-2550
Fax:(02)2646-4641

Report Number: ISL-01A071E Version: 0 Test Date: 2001/09/03

NVLAP Lab. Code: 200234-0; VCCI: R-341, C-354; NEMKO Aut. No: ELA 113; BSMI Lab. Code: SL2-IN-E-0013

Contents of Report

1. General

1.1 Certification of Accuracy of Test Data

The immunity tests which this report describes were conducted by an independent electromagnetic compatibility consultant, International Standards Laboratory in accordance with the EN55024:1998 / AS/NZS 4252.1:1994 which include EN61000-4 series regulations, Harmonic Current Emissions EN61000-3-2: 1995: A1:1998/A2:1998, and Voltage Fluctuations EN61000-3-3: 1995.

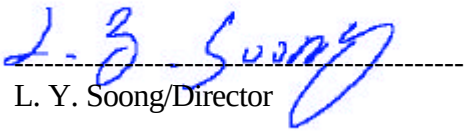
Equipment Tested: System Computer
Model/ Type/ Machine Type: G500; G600
Applied by Acer Inc.

Date of test: 2001/09/03

Test Engineer: Chance Chan

Standard	Comment	Test Results
EN61000-3-2: 1995 A1:1998/A2:1998	Harmonic Current Emissions	Complies
EN61000-3-3: 1995	Voltage Fluctuations	Complies
EN61000-4-2: 1995	Electrostatic Discharge	Complies
EN61000-4-3: 1996	Radio-Frequency, Electromagnetic Field	Complies
EN61000-4-4: 1995	Electrical Fast Transient/Burst	Complies
EN61000-4-5: 1995	Surge	Complies
EN61000-4-6: 1996	Conductive Disturbance	Complies
EN61000-4-8: 1993	Power Frequency Magnetic Field	Complies
EN61000-4-11: 1994	Voltage Dips / Short Interruption and Voltage Variation	Complies

Approve & Signature



L. Y. Soong/Director

This test report accurately contains the test results of the above standards at the time of the test.

The results in this report apply only to the sample(s) tested.

This test report shall not be reproduced except in full, without the written approval of International Standards Laboratory.

2. Summary

2.1.1 Applicant Information

Applicant: Acer Inc.
7 Hsin Ann Rd., Science-Based Industrial Park
Hsinchu 30077
Taiwan, R. O. C.

2.1.2 Operation Environment

Power supply : 230 Vac / 50 Hz

2.2 Description of Equipment Under Test

2.2.1 Description of Support Equipment

Support Unit 1.

Description:	Acer Digital Camera
Model:	DVC-VII
Serial Number:	N/A
Power Supply Type:	From PC USB Port
Power Cord:	N/A
FCC ID:	(Comply with FCC DOC)

Support Unit 2.

Description:	Acer USB Mouse
Model Number:	MUSXT
Serial Number:	81130159
Power Supply Type:	N/A
Power Cord:	N/A
FCC ID:	(comply with FCC DOC)

Support Unit 3.

Description:	Koka Headphone
Model Number:	ST-8
Serial Number:	N/A
Power Supply Type:	N/A
Power Cord:	N/A
FCC ID:	N/A

Support Unit 4.

Description:	HP Printer (for parallel interface port)
Model Number:	2225C
Serial Number:	N/A
Power Supply Type:	Switching (AC to AC Xfmr, Wall Mounted Type)
Power Cord:	Nonshielded, Detachable With Grounding Pin
FCC ID:	DSI6XU2225

Support Unit 5.

Description:	Logitech Mouse
Model Number:	M-SAH
Serial Number:	LZB81251703
Power Supply Type:	N/A
Power Cord:	N/A
FCC ID:	DZL211029

Support Unit 6.

Description:	Aceex Modem (for serial interface port)
Model Number:	DM1414
Serial Number:	960063772
Power Supply Type:	Linear, Power Adapter (AC to AC Xfmr, Wall Mounted Type)
Power Cord:	Nonshielded, Without Grounding Pin
FCC ID:	IFAXDM1414

Support Unit 7.

Description:	Aceex Modem (for serial interface port)
Model Number:	DM1414
Serial Number:	960063771
Power Supply Type:	Linear, Power Adapter (AC to AC Xfmr, Wall Mounted Type)
Power Cord:	Nonshielded, Without Grounding Pin
FCC ID:	IFAXDM1414

Support Unit 8.

Description:	Acer Monitor
Model:	7377xe
Serial Number:	999027100501700055P644E1 P
Power Supply Type:	Switching
Power Cord:	Nonshielded, Detachable
FCC ID:	(Comply with FCC DOC)

Support Unit 9.

Description:	Acer Keyboard
Model Number:	6511-TW4C
Serial Number:	916600704C83D11076S00000
Power Supply Type:	N/A
Power Cord:	N/A
FCC ID:	JVPKBS-WIN

Support Unit 10.

Description:	Personal Computer
Model:	IBM 2170
Serial No.:	N/A
Power Supply Type :	Switching Delta (Model: DPS-145PB-80A)
Hard Disk Drive:	Maxtor (Model: 91303D6) 13.3GB
Floppy Driver:	Panasonic (Model: JU256A276P)
CD-ROM Drive:	AOpen (Model: CD-940E/TKU PRO)
ZIP Driver:	Iomega (Model:Z100ATAPI)
LAN Card	Accton (Model: EN1207D-TX1)
FDD/HDD Controller and VGA port/ Parallel/ Serial port:	Built on Motherboard
VGA port:	one 15-pin
Parallel Port:	one 25-pin
Serial Port:	one 9-pin
Keyboard Connector:	6-pin
Mouse Connector:	6-pin
USB Connector:	two 4-pin
Game Port:	one 15-pin
Speaker Port:	one
Microphone Port:	one
Line In Port:	one
Power Cord:	Nonshielded, Detachable
FCC ID:	N/A (comply witch FCC DOC)

2.2.2 Software for Controlling Support Unit

A test program which generates a complete line of continuously repeating "H" pattern is used as the software test program. The program was executed as follows:

A. Read and write to the disk drives.
B. Capture Video image from digital camera than playback to display.
C. Send audio signal to the headphone.
D. Send H pattern to the parallel port device (Printer).
E. Send H pattern to the serial port device (Modem 1).
F. Send H pattern to the serial port device (Modem 2).
G. Send H pattern to the video port device (Monitor).
H. Send signal form EUT to server through LAN port.
I. Repeat the above steps.

	Filename	Issued Date
LAN	EMC.exe	11/22/1996
Monitor	HH.bat	8/20/1991
Modem 1	Hm.bat	8/20/1991
Modem 2	Hm.bat	8/20/1991
Printer1	Wordpad.exe	11/11/1999
Digital Camera	Acer Cap.exe	8/10/1998

2.2.3 I/O Cable Condition of EUT and Support Units

Description	Path	Cable Length	Cable Type	Connector Type
AC Power Cord	110V (~240V) to AC Power Cord Inlet (3-pin)	1.8M	Nonshielded, Detachable	Plastic Head Plastic Hood
Server Data Cable	Server to EUT LAN port	33 feet	Nonshielded, Detachable	RJ-45, with Metal Head, Metal Hood
Keyboard Data Cable	Keyboard to PC Keyboard port	1.8M	Shielded, Undetachable	Metal Head Plastic Hood
Monitor Data Cable	Monitor to PC VGA port	1.6M	Shielded, Detachable	Metal Head Plastic Hood
Modem Data Cable	Modem to PC COM 1 port	1.5M	Shielded, Detachable	Metal Head Metal Hood
Modem Data Cable	Modem to PC COM 2 port	1.5M	Shielded, Detachable	Metal Head Metal Hood
Mouse Data Cable	Mouse to PC Mouse port	1.8M	Shielded, Undetachable	Metal Head without Hood
Printer Data Cable	Printer to PC Parallel port	1.5M	Shielded, Detachable	Metal Head Plastic Hood
Headphone Data Cable	Headphone to Line-out jack of PC	1.5M	Nonshielded, Undetachable	Metal Head without Hood
USB Mouse Data Cable	Mouse to PC USB port	1.8M	Shielded, Undetachable	Metal Head without Hood
USB CCD Data Cable	Digital camera to PC USB port	1.6M	Shielded, Detachable	Metal Head Plastic Hood

2.3 Description of Equipment Under Test

EUT

Description:	System Computer
Condition:	Pre-Production
Model:	G500;G600
Serial Number:	N/A
Power Supply Type :	Delta (Model: DPS-300AB-1A; DPS-300AB-1A; RPS-600-A) 337W or Delta (Model: DPS-280BB) 280W
Hard Disk Driver:	IBM (Model: DDYS-T36950) 36.7GB
Floppy Drive	Panasonic (Model: JU-256A046P)
CD-ROM Drive :	AOpen (Model: CD-952E/AKH) 52X
DAT Driver:	HP(Model: C5683-00156)
VGA Card:	ATI(Model: RageXL Xpert 98)
Lan Card:	Intel(Model: PRO/100S)
FDD/HDD Controller and Parallel/Serial ports:	
Parallel Port:	one 25-pin
Serial Port:	two 9-pin
Keyboard Connector:	one 6-pin
Mouse Connector:	one 6-pin
USB Connector:	two 4-pin
LAN Port:	one 8-pin
Power Cord:	Nonshielded, Detachable
Display:	CRT
Maximum Resolution:	1280X1024 V:60Hz

Speed and CPU

133MHz Pentium III 1GHz, 1.13GHz, 1.26GHz (Socket 370)

All types of CPU with related components have been tested, only shown the worst data using CPU: Pentium III 1.26GHz (Socket 370), SPS: Delta (Model: DPS-300AB-1A; RPS-600-A), Hard Disk Driver: IBM (Model: DDYS-T36950) 36.7GB, CD-ROM Drive: AOpen (Model: CD952E/AKH) 52X

There are different model number definitions of EUT with different power supply.

Model	Power Supply
G500	Delta (Model: DPS-280BB) 280W
G600	Delta (Model: DPS-300AB-1A; DPS-300AB-1A;RPS-600-A) 337W

EMI Noise Source:

Crystal: 14.318MHz (X1), 25MHz (X2),32.768KHz (X3),24.576MHz(X4), 32.768KHz(X5),40MHz(X6)
Oscillator:40MHz(OSC1)
Clock Generator: U18

EMI Solution:

1. Add seven spring fingers on Add-on card brakets.
2. Add two 15mm 71TS4-1 gaskets on BPL5 Hot Swap Cage.
3. Add two spring fingers on 337W power supply bay or three spring fingers on 280W power supply bay.
4. One Ferrite Core was added on the power line of fan of CPU.
5. Two gasket was added on the Hot swap cage to contact the housing.

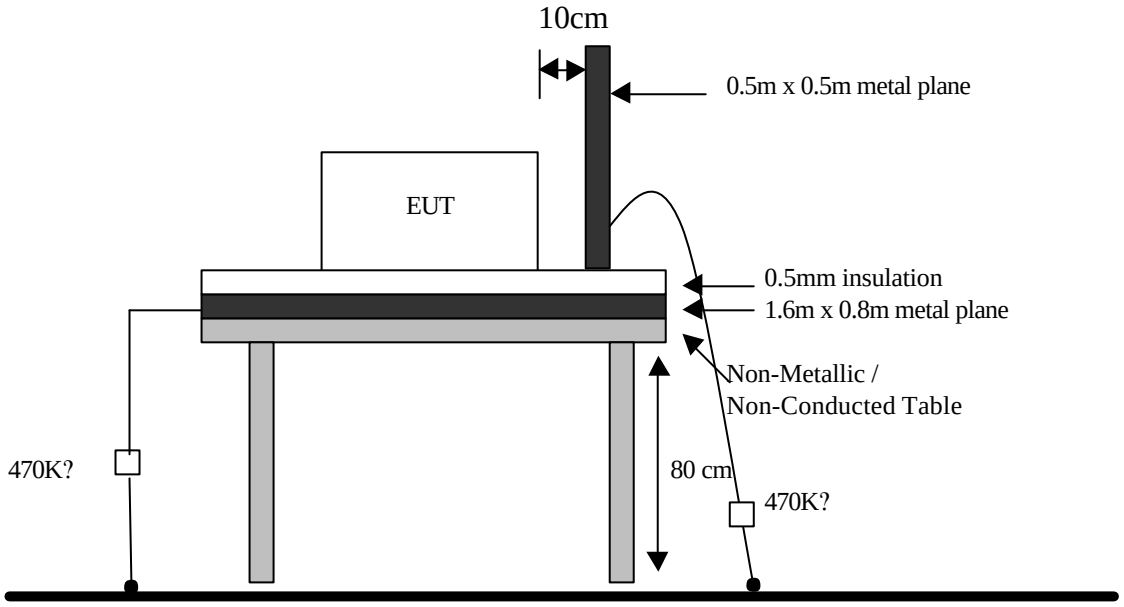
3. Electrostatic discharge (ESD) immunity

3.1 Electrostatic discharge (ESD) immunity test

Port:	Enclosure	
Basic Standard:	EN61000-4-2	
Requirements:	Air	+/- 8 kV
	Contact	+/- 4 kV
Criteria:	B	
Temperature:	25 degree C	
Humidity:	60%	

Test Setup

EUT is 1m from the wall and other metallic structure.



Metal Full Soldered Ground Plane

Test Result

Performance of EUT complies with the given specification.

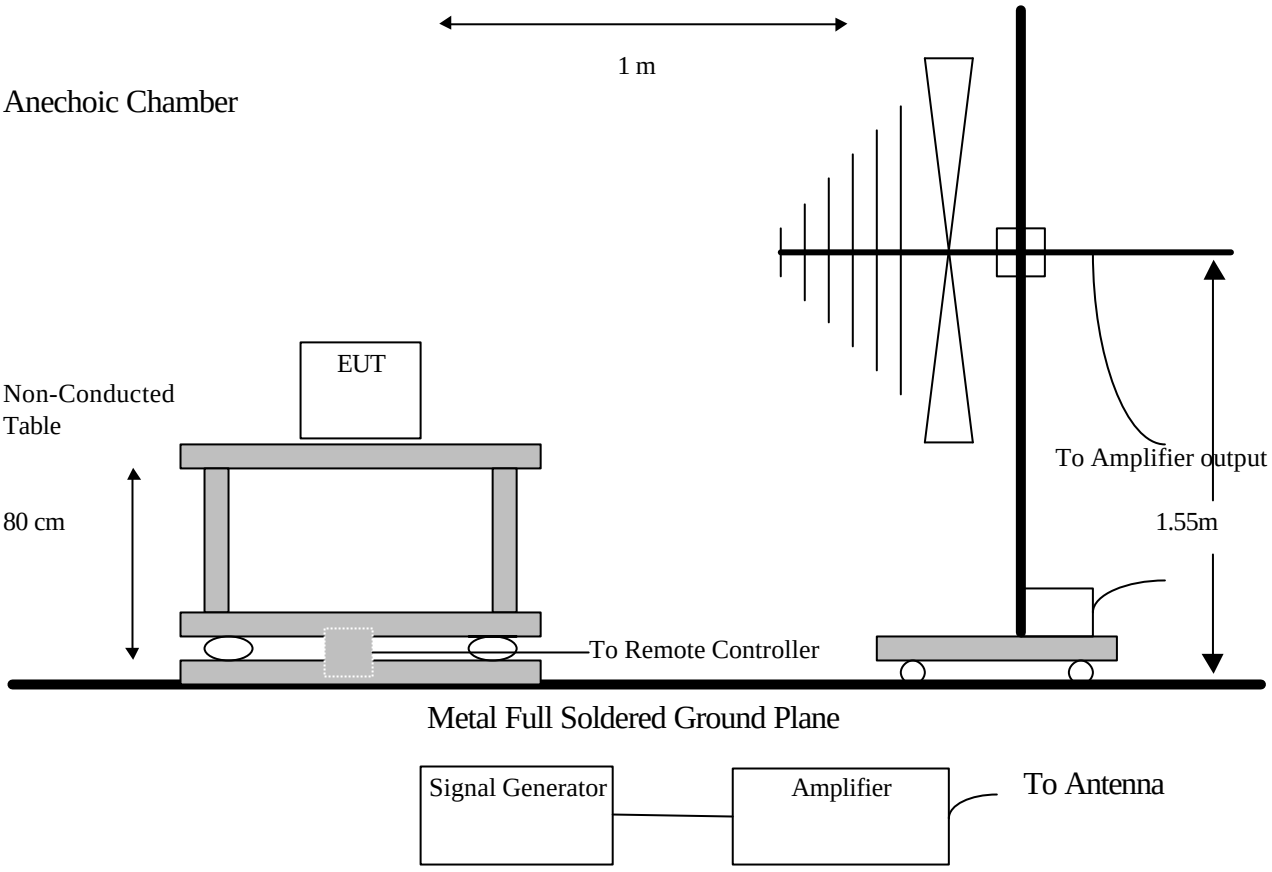
4. Radio-Frequency, Electromagnetic Field immunity

4.1 Radio-Frequency, Electromagnetic Field immunity test

Port:	Enclosure
Basic Standard:	EN61000-4-3
Modulation	AM 1KHz 80%
Requirements:	3 V/m
Frequency range:	80 MHz~1 GHz
Step:	1% of last step frequency
Step time:	800 ms
Polarization:	Vertical and Horizontal
Criteria:	A
Temperature:	23 degree C
Humidity:	51%

Test Setup

The field sensor is placed at one calibration grid point to check the intensity of the established fields on both polarizations. EUT is adjust to have each side of EUT face coincident with the calibration plane. A CCD camera is used to monitor the condition of EUT for the performance judgment.



Test Result

Performance of EUT complies with the given specification.

5. Electrical Fast transients/burst immunity

5.1 Electrical Fast transient/burst immunity test

Port:	AC mains
Basic Standard:	EN61000-4-4
Requirements:	1 KV
Criteria:	B
Rise Time:	5ns
Hold Time:	50ns
Repetition Frequency:	5KHz
Temperature:	25 degree C
Humidity:	60%

Test Procedure

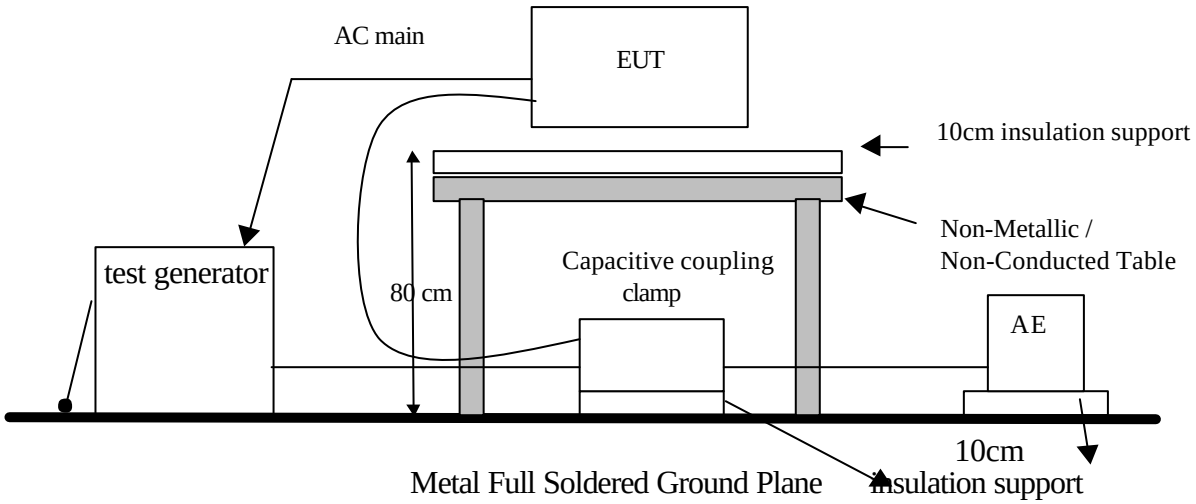
The EUT was setup on a nonconductive table 0.8 m above a reference ground plane.

Voltage		1 KV	
Test Points	**Polarity**	**Result**	**Comment**
Line	+	N	60 sec
	-	N	60 sec
Neutral	+	N	60 sec
	-	N	60 sec
Ground	+	N	60 sec
	-	N	60 sec
Line to Neutral	+	N	60 sec
	-	N	60 sec
Line to Ground	+	N	60 sec
	-	N	60 sec
Neutral to Ground	+	N	60 sec
	-	N	60 sec
Line to Neutral to Ground	+	N	60 sec
	-	N	60 sec

Note: 'N' means normal, the EUT function is correct during the test.

Test Setup

EUT is at least 50cm from the conductive structure .



Test Result

Performance of EUT complies with the given specification.

5.2 Electrical Fast transient/burst immunity test for I/O cable

Port:	twisted pairs LAN port
Basic Standard:	EN61000-4-4
Requirements:	0.5 kV
Criteria:	B
Rise Time:	5ns
Hold Time:	50ns
Repetition Frequency:	5KHz
Temperature:	25 degree C
Humidity:	60%

Test Result

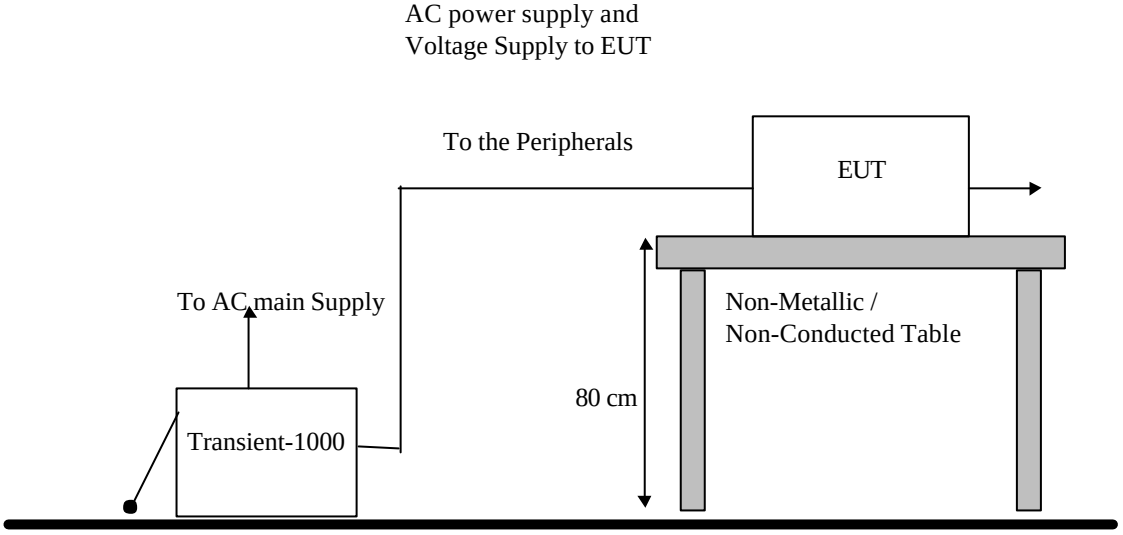
Performance of EUT complies with the given specification.

6. Surge Immunity

6.1 Surge immunity test

Port:	AC mains and Telephone Line
Basic Standard:	EN61000-4-5
Criteria:	B
Rise Time:	1.2us
Hold Time:	50us
Temperature:	25 degree C
Humidity:	60%
Test Level:	AC Power Port: 1 kV (line to line), 2kV (line to earth) Telephone Line: 1kV (line to ground)
Repetition Rate:	✍ 30 second
Angle:	✍ 0? ✍ 90? ✍ 270?
Polarity:	✍ positive ✍ negative?

Test Setup



Metal Full Soldered Ground Plane

Test Result

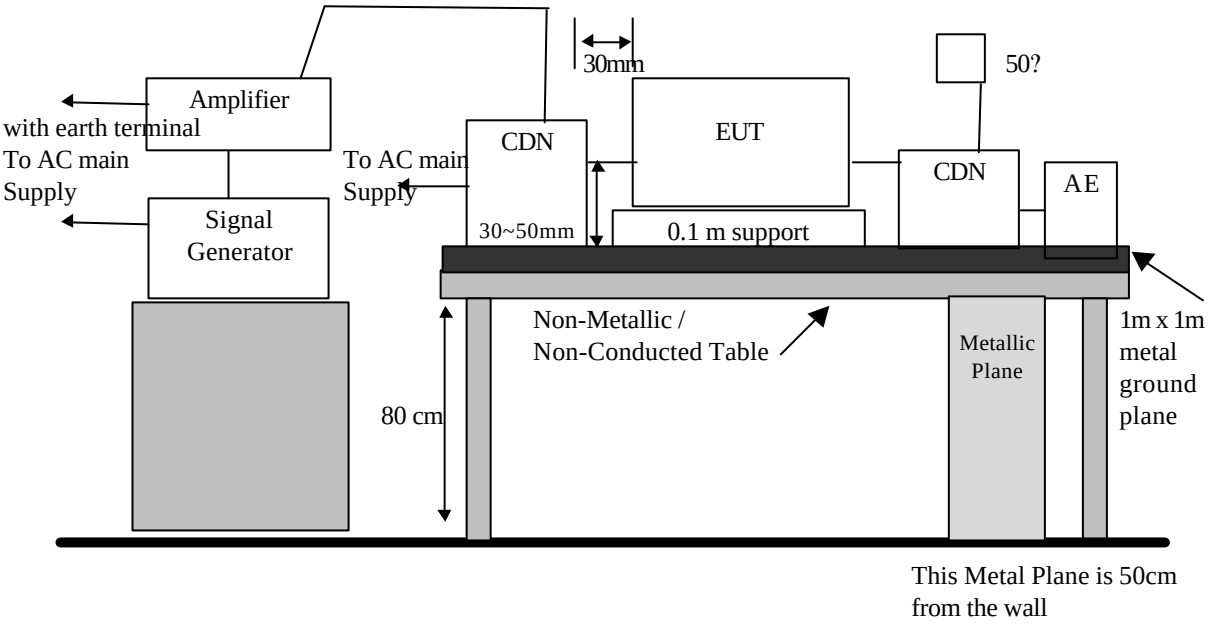
Performance of EUT complies with the given specification.

7. Immunity to Conductive Disturbance

7.1 Immunity to Conductive Disturbance

Port:	AC mains & LAN port
Basic Standard:	EN61000-4-6
Test Level:	3 V
Modulation	AM 1KHz 80%
Criteria:	A
Frequency range:	0.15 MHz - 80MHz
Step:	1% of last Frequency
Step time:	1000 mS
Temperature:	25 degree C
Humidity:	60%

Test Setup



Metal Full Soldered Ground Plane

Test Result

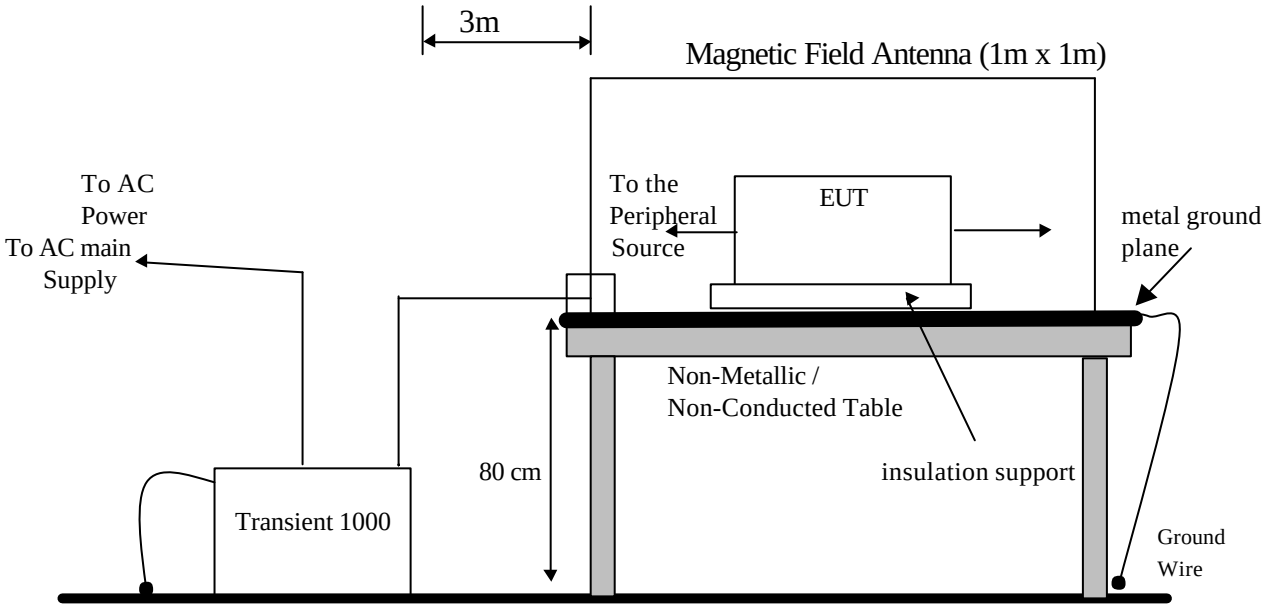
Performance of EUT complies with the given specification.

8. Power Frequency Magnetic Field immunity

8.1 Power Frequency Magnetic field immunity test

Port:	Enclosure
Basic Standard:	EN61000-4-8
Requirements:	1 A/m
Criteria:	A
Orientation:	X, Y, Z
Temperature:	25 degree C
Humidity:	60%

Test Setup



Metal Full Soldered Ground Plane

Test Result

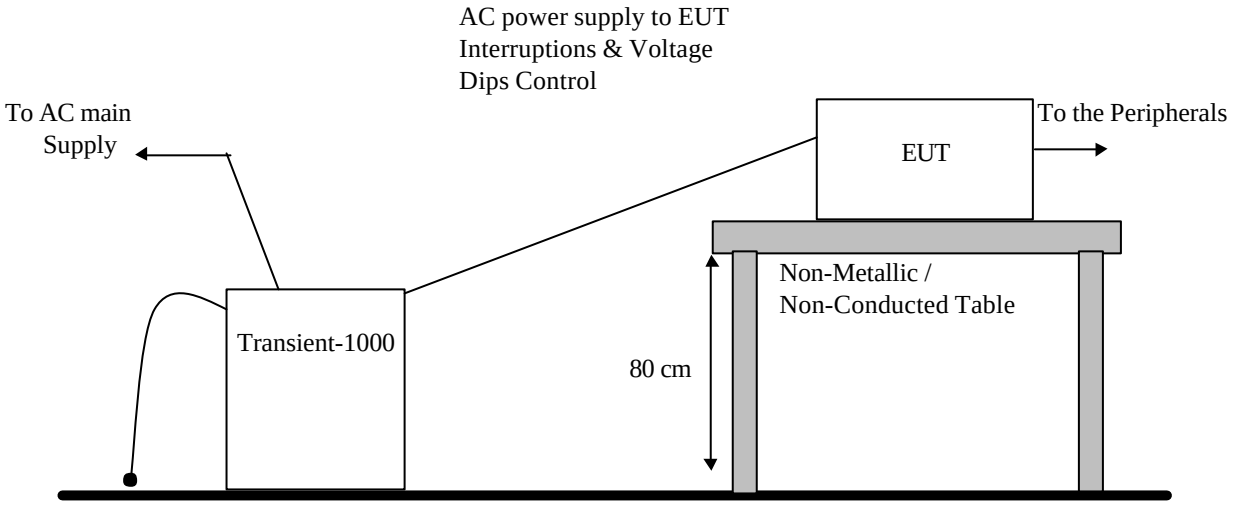
Performance of EUT complies with the given specification.

9. Voltage Dips, Short Interruption and Voltage Variation immunity

9.1 Voltage Dips, Short Interruption and Voltage Variation immunity test

Port:	AC mains
Basic Standard:	EN61000-4-11
Phase:	0?
Test intervals:	3 times with 10s each
Voltage Dips:	>95% in 0.5 period
Criteria:	B
Voltage Dips:	30% in 25 period
Criteria:	C
Voltage Interruption:	>95% in 250 period
Criteria:	C

Test Setup



Metal Full Soldered Ground Plane

Test Result

Performance of EUT complies with the given specification.

10. Harmonics

10.1 Harmonics test

Port:	AC mains
Active Input Power:	>75W
Basic Standard:	EN61000-3-2
Test Duration:	3min.
Class:	D

Test Procedure

The EUT is supplied in series with shunts or current transformers from a source having the same nominal voltage and frequency as the rated supply voltage and frequency of the EUT. The EUT is configured to its rated current with additional resistive load when the testing is performed.

Equipment having more than one rated voltage shall be tested at the rated voltage producing the highest harmonics as compared with the limits.

Result

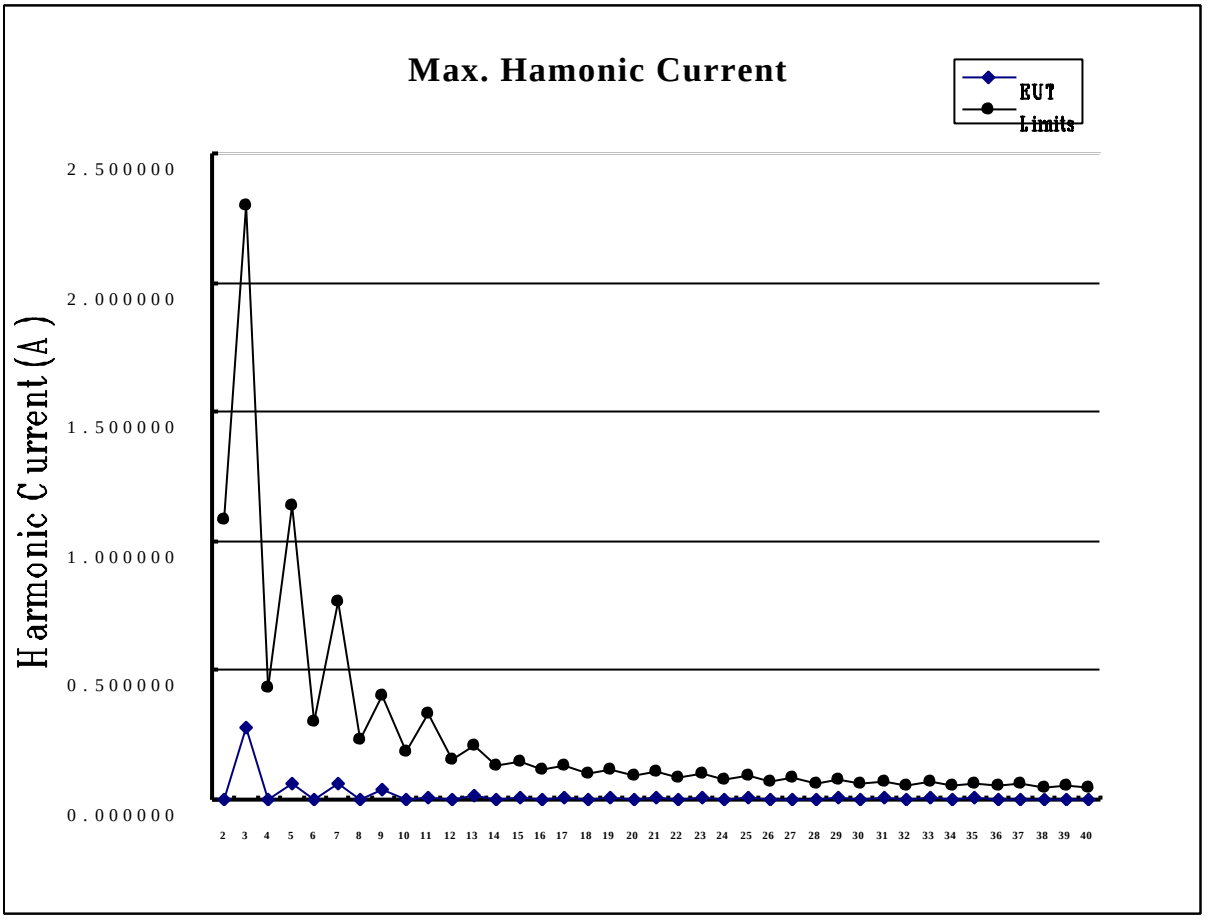
Performance of EUT complies with the given specification.

Test Data

Power (W)	Power Factor	Power Voltage	Power Current
351.776	0.924	229.206	1.634

Maximum permissible harmonic current (A)

Order	Data	Order	Data	Order	Data
1	.	16	0.0003	31	0.0069
2	0.0032	17	0.0083	32	0.0004
3	0.2787	18	0.0003	33	0.0052
4	0.0008	19	0.0067	34	0.0004
5	0.0619	20	0.0004	35	0.0046
6	0.0007	21	0.0090	36	0.0003
7	0.0612	22	0.0006	37	0.0028
8	0.0005	23	0.0098	38	0.0003
9	0.0417	24	0.0005	39	0.0025
10	0.0008	25	0.0050	40	0.0004
11	0.0040	26	0.0005	41	.
12	0.0006	27	0.0039	42	.
13	0.0143	28	0.0005	43	.
14	0.0006	29	0.0056	44	.
15	0.0088	30	0.0007	45	.

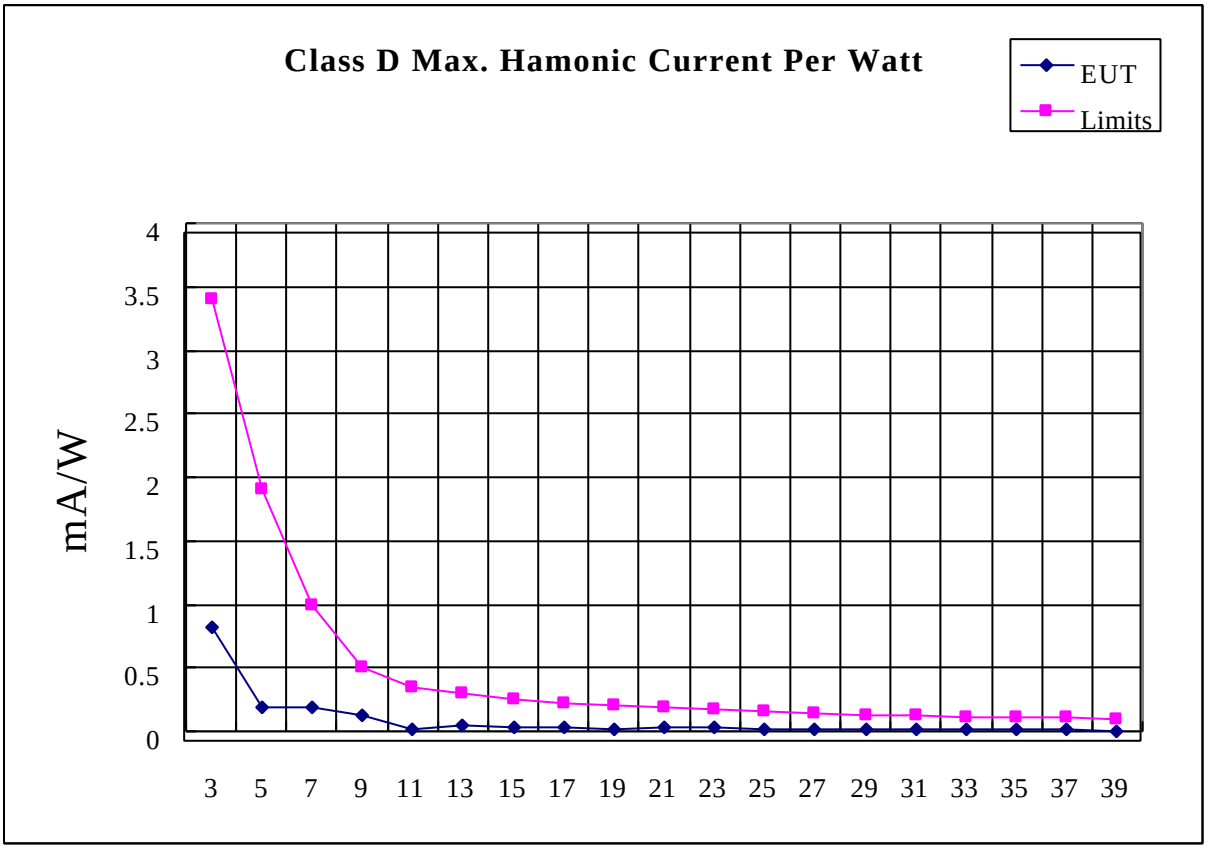


Test Data

Power (W)	Power Factor	Power Voltage	Power Current
351.776	0.924	229.206	1.634

Maximum permissible harmonic current per watt (mA/W)

Order	Data	Order	Data	Order	Data
3	0.8143	17	0.0248	31	0.0205
5	0.1827	19	0.0197	33	0.0155
7	0.1822	21	0.0262	35	0.0135
9	0.1215	23	0.0287	37	0.0080
11	0.0117	25	0.0145	39	0.0074
13	0.0426	27	0.0113	.	.
15	0.0263	29	0.0166	.	.



11. Voltage Fluctuations

11.1 Voltage Fluctuations test

Port:	AC mains
Basic Standard:	EN61000-3-3
Observation period:	For Pst 10min
	For Plt 2 hours

Test Procedure

The EUT is supplied in series with reference impedance from a power source with the voltage and frequency as the nominal supply voltage and frequency of the EUT.

Result

Performance of EUT complies with the given specification.

12. Test Equipment List

Location Remark	Equipment	Brand	Model	Start Service Date	Last Cal. Date	Next Cal. Date
2,4,5,8,11	Test Generator	PRECISION	TRA1000-126 S/N: TRA1H01B	6/30/1994	8/9/2000	8/9/2001
3,6	Power meter	HP	438A S/N: 3513U06187	10/23/1997	10/23/2000	10/23/2001
3,6	Power Sensor	HP	8482A S/N: 3318A29614	10/23/1997	1/03/2000	1/03/2001
3	Signal Generator	HP	8648B S/N: 3642U01040	6/30/1997	3/13/2001	3/13/2003
3	BILOG Antenna	CHASE	CBL6112 S/N: 2077	10/20/1998	1/10/2001	1/09/2002
3	Power Amplifier	Amplifier Research	100W1000M1 S/N:	3/31/1996	N/A	N/A
3	Field Strength Sensor	Amplifier Research	FP2000 S/N: 15397	3/31/1996	N/A	N/A
3	Field Strength Meter	Amplifier Research	FM2000 S/N: A285000011	3/31/1996	N/A	N/A
3	Thermo-hygrometer	CRECER	S/N: ISL-C-003	11/26/1999	1/12/2001	1/11/2002
4	Clamp	Precision	1604242 S/N: CNEFT1000-103	6/30/1994	N/A	N/A
5,6	CDN	FCC Inc.	FCC-801-T2 S/N:9720	6/30/1994	1/11/2001	1/10/2002
6	CDN	FCC Inc.	FCC-801-T4 S/N: 9721	6/30/1994	1/11/2001	1/10/2002
6	CDN	FCC Inc.	FCC-801-M3-25A S/N: 2032	6/30/1994	1/11/2001	1/10/2002
6	Signal Generator	HP	8656B S/N: 2635A04675	6/30/1992	8/17/2000	8/17/2001
6	Power Amplifier	Amplifier Research	150A100 S/N: 1-1-R-02157	3/1/1996	N/A	N/A
6	Passive Impedance Adapter	FCC Inc.	FCC-801-150-50-CDN S/N: 9758 & 9759	3/1/1996	N/A	N/A
6	50 ohms load	Weinschel Corp	1429-4 S/N: DB3318	3/1/1996	N/A	N/A
6	6dB Attenuator	Weinschel Corp	33-6-34 S/N: BC5975	3/1/1996	N/A	N/A
8	Magnetic Field Antenna	Precision	TRAIZ44B S/N: MF1000-23	8/30/1997	N/A	N/A
8	Clamp Meter	TES	3090 S/N: 990900322	5/09/2001	5/09/2001	5/09/2002
*2, *3	3-Channel Power Analysis System	Xitron Technologies	2503AH S/N: 25015940001	6/30/1994	2/09/2001	2/09/2002
*2, *3	Frequency Converter	Extech Electronics	CFC-110	6/30/1994	N/A	N/A
2,4,5,6,8,11	Thermo-hygrometer	MICROLIFE	S/N: ISL-C-004	11/26/1999	1/12/2001	1/12/2002

*Note: ***: The equipment is sent for calibration.*

Location Remark List:

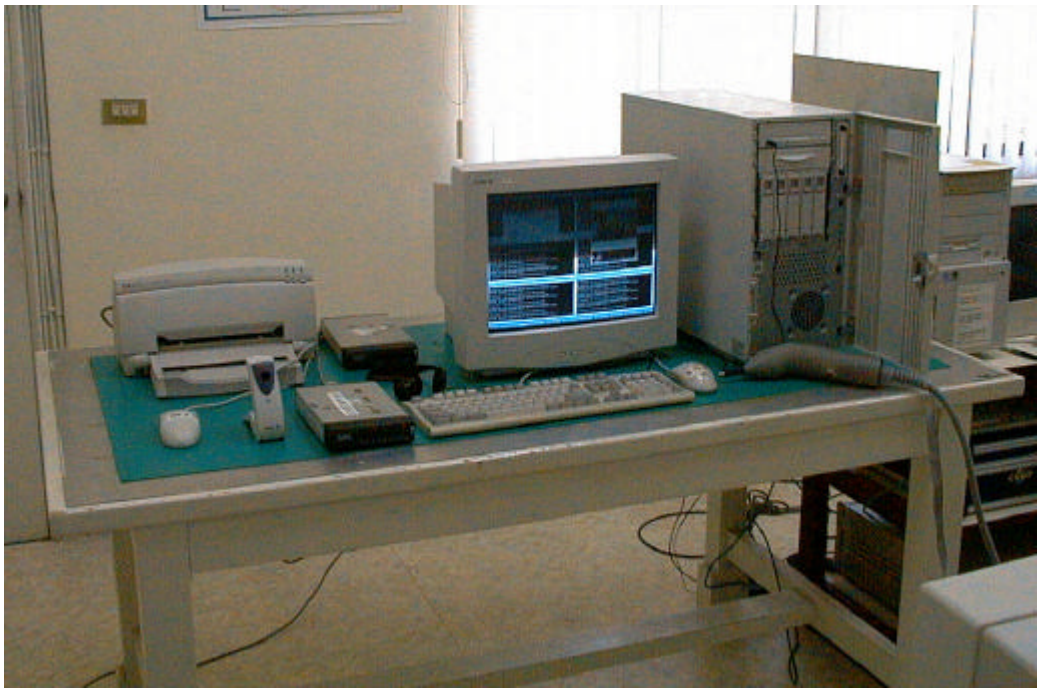
2: EN61000-4-2 **3**: EN61000-4-3 **4**: EN61000-4-4 **5**: EN61000-4-5
6: EN61000-4-6 **8**: EN61000-4-8 **11**: EN61000-4-11
***2**: EN61000-3-2 ***3**:EN61000-3-3

12.1 Software for Controlling Spectrum/Receiver and Calculating Test Data

Radiation/Conduction	Filename	Version
EN61000-3-2	IEC1000.EXE	1.0F
EN61000-3-3	IEC1000.EXE	1.0F
EN61000-4-3	Tile.Exe	1.12.E
EN61000-4-6	Tile.Exe	1.11.J
EN61000-4-2	Tracs.Exe	2.0
EN61000-4-4	Tracs.Exe	2.0
EN61000-4-5	Tracs.Exe	2.0
EN61000-4-8	Tracs.Exe	2.0
EN61000-4-11	Tracs.Exe	2.0

13. Photographs

13.1 Photos of ESD measurement



13.2 Photos of RF Field Strength Susceptibility Measurement

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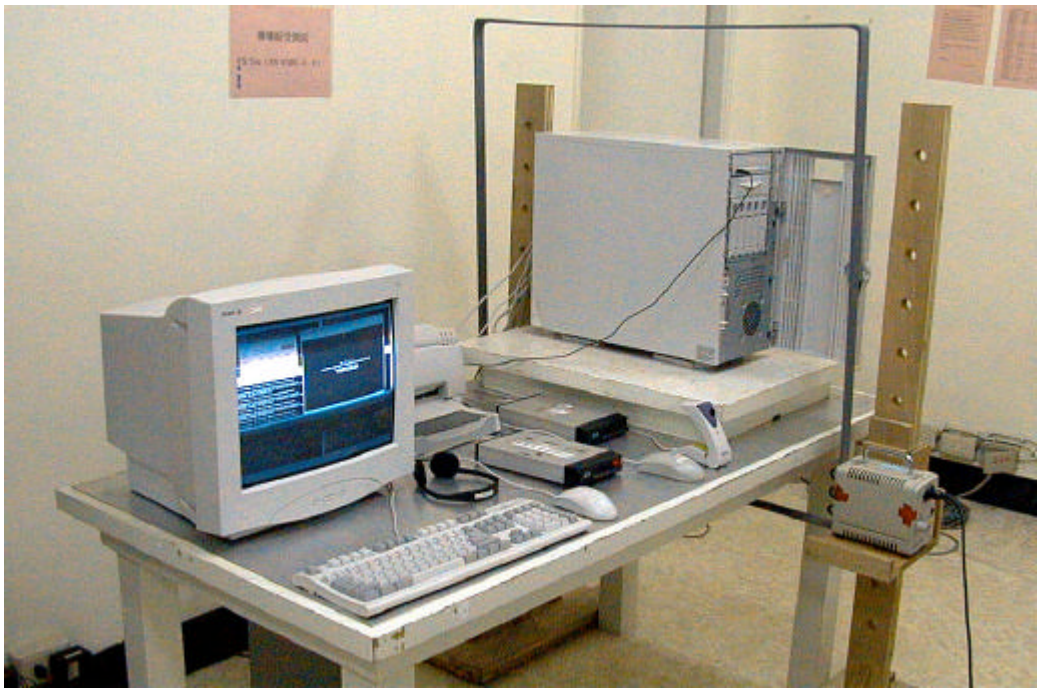
13.3 Photos of Electrical Fast Transient/Burst measurement

13.4 Photos of Surge measurement

13.5 Photo of Conductive Measurement

13.6 Photo of Magnetic field measurement



13.7 Photos of Voltage Dips measurement

13.8 Photos of Harmonics and Voltage Fluctuations

13.9 Appendix: Photographs of EUT

Please find this appendix in the File of **ISL-01A071P**