



FCC CLASS A COMPLIANCE REPORT

for

Electromagnetic Emissions

of

LCD PANEL PC

Trade Name : N/A
Model Number : ONYX-151
Serial Number : N/A
Report Number : 000932-F
Date : December 18, 2000

Prepared for :

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

Prepared by :



C&C LABORATORY, CO., LTD.

#B1, 1st Fl., Universal Center,
No. 183, Sec. 1, Tatung Rd., Hsi Chih,
Taipei Hsien, Taiwan, R.O.C.

TEL: (02)8642-2071~3

FAX: (02)8642-2256

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C&C Laboratory, Co., Ltd.**

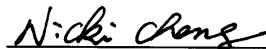


VERIFICATION OF COMPLIANCE

Equipment Under Test: LCD PANEL PC
Trade Name: N/A
Model Number: ONYX-151
Serial Number: N/A
Applicant: **AAEON Technology Inc.**
5F, No. 135, Lane 235, Pao Chiao Rd., Hsin Tien,
Taipei Shian, Taiwan, R.O.C.
Manufacturer: **AAEON Technology Inc.**
5F, No. 135, Lane 235, Pao Chiao Rd., Hsin Tien,
Taipei Shian, Taiwan, R.O.C.
Type of Test: FCC Class A
Measurement Procedure: ANSI C63.4: 1992
File Number: 000932-F
Date of test: December 11 ~ 12, 2000
Deviation: ~~According applicant declaration this EUT is a class A product and
to be marketed in industrial environment only.~~
Condition of Test Sample: Normal

The above equipment was tested by C&C Laboratory, Co., Ltd. for compliance with the requirements set forth in the FCC Rules and Regulations Part 15, Subpart B and the measurement procedure according to ANSI C63.4. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.



Authorized Signatory

Responsible Party

Officer of the Responsible Party



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SYSTEM DESCRIPTION

EUT Test Program:

1. Turn on all of test equipment.
2. EMI test program was loaded and executed in Windows 98 mode.
3. Data was sent to monitor and filling the screens with Test patterns.
4. Test program sequentially exercised all related I/O's of EUT.
5. Repeat 2 to 4. Test program is self-repeating throughout the test.

PRODUCT INFORMATION



Housing Type: Plastic w/metal plate
EUT Power Rating: 100-240VAC, 50-60Hz
AC Power during Test 120VAC/60Hz
Power Supply Manufacturer: Power Add
Power Supply Model Number: PPS100-31
AC Power Cord Type: Unshielded, 1.8m
OSC/Clock Frequencies: 66MHz
CPU Manufacturer: Intel **Type:** Celeron 533MHz
Memory Capacity: **Install:** 64MB
15" LCD Panel Manufacturer: Hyundai **Model:** HT15X22-100
HDD Manufacturer: Fujitsu **Model:** MHH2032AT (3.2GB)
FDD Manufacturer: NEC **Model:** FD1238T-GRP
CD-ROM Manufacturer: NEC **Model:** CD-2800D
VGA Card Type: On Board

I/O Port of EUT

I/O PORT TYPES	Q'TY	TESTED WITH
1). Parallel Port	1	1
2). Serial Port	3	3
3). PS/2 Keyboard Port	1	1
4). PS/2 Mouse Port	1	1
5). Video Port	1	1
6). Line-in Port	1	1
7). Line-out Port	1	1
8). Speaker-out Port	1	1
1) LAN Port	1	1
2) USB Port	2	2



SUPPORT EQUIPMENT

No.	Equipment	Model #	Serial #	FCC ID	Trade Name	Data Cable	Power Cord
1.	Monitor	GDM-17SE2T	7138048	AK8GDM17SE2T	SONY	Shielded, 1.8m	Unshielded, 1.8m
2.	Modem	2400	94-364-176281	DK467GSM24	Computer Peripherals	Shielded, 1.8m	Unshielded, 1.8m
3.	Modem	2400	94-364-176276	DK467GSM24	Computer Peripherals	Shielded, 1.8m	Unshielded, 1.8m
4.	Printer	C2642A	TH86K1M14P	B94C2642X	HP	Shielded, 1.8m	AC I/P: Unshielded, 0.9m DC O/P: Unshielded, 1.9m
5.	PS/2 Keyboard	SK-2502C	M99043551	FCC DoC	HP	Shielded, 1.8m	N/A
6.	PS/2 Mouse	M-S34	LZC84445540	DZL211029	HP	Shielded, 1.8m	N/A
7.	Serial Mouse	M-MM43	LZE94052791	DoC	Logitech	Shielded, 1.9m	N/A
8.	USB Mouse	M-BB48	LZE93050162	FCC DoC	Logitech	Shielded, 1.8m	N/A
9.	USB Mouse	M-BB48	LZE1450642	FCC DoC	Logitech	Shielded, 1.8m	N/A
10.	Multimedia Headset	SX-M	A5-3	N/A	TOKYO	Unshielded, 1.8m	N/A
11.	Walkman	YX-328	W2	N/A	YING-KO	Unshielded, 1.2m	N/A
12.	Notebook PC (Remote)	365	TZ30518	FCC DoC	Acer	Shielded, 10m	AC I/P: Unshielded, 0.9m DC O/P: Unshielded, 1.9m

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

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



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 AC power through a 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.
- 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(s): (customer defined)

1. 1600 x 1200 Resolution

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

Mode(s): 1.

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



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	Q.P. Raw dBuV	Average Raw dBuV	Q.P. Limit dBuV	Average Limit dBuV	Q.P. Margin dB	Average Margin dB	Note
x.xx	43.95	---	56	46	-12.05	---	L 1

Freq.	= Emission frequency in MHz
Raw dBuV	= Uncorrected Analyzer/Receiver reading
Limit dBuV	= Limit stated in standard
Margin dB	= Reading in reference to limit
Note	= Current carrying line of reading
“---“	= The emission level complied with the Average limits, with at least 2 dB margin, so no further recheck.

LINE CONDUCTED EMISSION LIMIT

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.



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 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment received 110VAC/60Hz power from another socket under the turntable.
- 5) The antenna was placed at 10 meter away from the EUT as stated in ANSI C63.4. 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 2000MHz. 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(s): (customer defined)

1. 1600 x 1200 Resolution

- 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.



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, were recorded into a computer (The antenna position, polarization and turntable position were kept in raw data file) in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- 4) The test data of the worst case condition(s) was reported on the Summary Data page.

Data Sample:

Freq. (MHz)	Raw Data (dBuV/m)	Corr. Factor (dB)	Emiss. Level (dBuV/m)	Limits	Margin (dB)
xx.xx	14.0	11.2	26.2	30	-3.8

Freq. = Emission frequency in MHz
Raw Data (dBuV/m) = Uncorrected Analyzer / Receiver reading
Corr. Factor (dB) = Correction factors of antenna factor and cable loss
Emiss. Level = Raw reading converted to dBuV/m and CF added
Limit dBuV/m = Limit stated in standard
Margin dB = Reading in reference to limit



RADIATED EMISSION LIMIT

Frequency (MHz)	Distance (m)	Maximum Field Strength Limit (dBuV/m)		
		Q.P.	AVERAGE	PEAK
30-230	10	40	/	/
230-1000	10	47	/	/
Above 1000	3	/	60	80

****Note:** “/” means the limit line is not applicable.



(i) SUMMARY DATA (LINE CONDUCTED TEST)

Model Number: ONYX-151

Location: Site # 4

Tested by: Jacky Wang

Test Mode: Mode 1

Test Results: Passed

Temperature: 18°C

Humidity: 72%RH

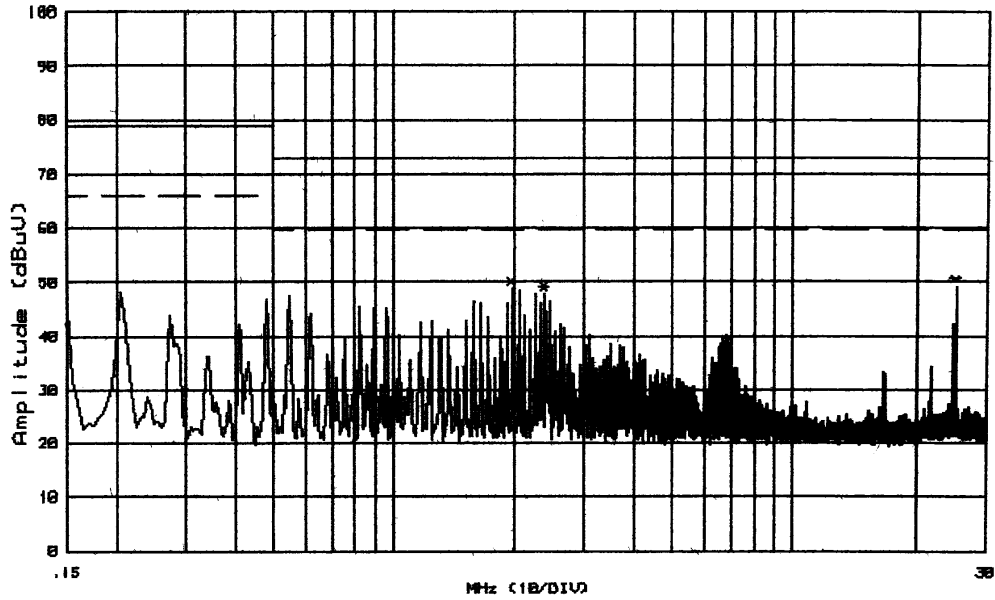
(The chart below shows the highest readings taken from the final data)

FREQ MHz	Q.P. RAW dBuV	AVG RAW dBuV	Q.P. Limit dBuV	AVG Limit dBuV	Q.P. Margin dB	AVG Margin dB	NOTE
0.220	43.2	---	79.0	66.0	-35.8	---	L1
2.350	44.1	---	73.0	60.0	-28.9	---	L1
2.380	45.8	---	73.0	60.0	-27.2	---	L1
2.410	44.1	---	73.0	60.0	-28.9	---	L1
2.520	43.5	---	73.0	60.0	-29.5	---	L1
25.150	47.9	---	73.0	60.0	-25.1	---	L1
0.220	45.2	---	79.0	66.0	-33.8	---	L2
0.490	43.7	---	79.0	66.0	-35.3	---	L2
0.520	46.5	---	73.0	60.0	-26.5	---	L2
1.950	44.8	---	73.0	60.0	-28.2	---	L2
2.420	42.9	---	73.0	60.0	-30.1	---	L2
25.150	47.9	---	73.0	60.0	-25.1	---	L2

L1 = Line One (Hot side) / L2 = Line Two (Neutral side)

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

C&C Lab. Co. Shielded Room4
CISPR 22 - Class A QP/AV Limit



Customer: NA File#: 3800 Date :11 Dec 2000 21:41:41
 Model :ONYX-151 Humd.:72 (%) Temp. :18 (C)
 Mode :120V 60Hz Port :L2 Tester:JACKY WANG
 Reading :Peak (R&S Receiver)
 mark :FULL SYSTEM

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	1.990	38.9	9.8	48.7	73.0	-24.3	
2	2.400	37.9	9.8	47.7	73.0	-25.3	
3	25.030	39.1	10.1	49.2	73.0	-23.8	

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SUMMARY DATA
(RADIATED EMISSION TEST)

Model Number: ONYX-151

Location: Site # 4

Tested by: Jacky Wang

Test Mode: Mode 1

Polar: Vertical -- 10m

Detector Function: Quasi-Peak

Test Results: Passed

Temperature: 19⁰C

Humidity: 70%RH

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

Freq. (MHz)	Raw Data (dBuV/m)	Corr. Factor (dB)	Emiss. Level (dBuV/m)	Limits	Margin (dB)
49.04	25.6	11.7	37.3	40.0	-2.7
148.04	26.0	11.5	37.5	40.0	-2.5
167.02	26.1	10.8	36.9	40.0	-3.1
201.30	26.0	11.6	37.6	40.0	-2.4
398.05	24.8	19.5	44.3	47.0	-2.7
504.24	23.2	20.1	43.3	47.0	-3.7



SUMMARY DATA

(RADIATED EMISSION TEST)

Model Number: ONYX-151

Location: Site # 4

Tested by: Jacky Wang

Test Mode: Mode 1

Polar: Horizontal -- 10m

Detector Function: Quasi-Peak

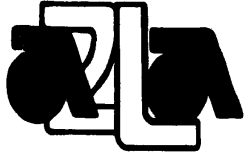
Test Results: Passed

Temperature: 19°C

Humidity: 70%RH

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

Freq. (MHz)	Raw Data (dBuV/m)	Corr. Factor (dB)	Emiss. Level (dBuV/m)	Limits	Margin (dB)
49.02	25.1	11.7	36.8	40.0	-3.2
149.34	23.9	11.4	35.3	40.0	-4.7
166.91	25.7	10.8	36.5	40.0	-3.5
198.36	24.2	11.6	35.8	40.0	-4.2
402.69	22.4	19.6	42.0	47.0	-5.0
498.40	21.4	19.9	41.3	47.0	-5.7



**THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION**

ACCREDITED LABORATORY

A2LA has accredited

C & C LABORATORY CO., LTD
Taipei, Taiwan, R.O.C


for technical competence in the field of

Electrical (EMC) Testing

The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC Guide 25-1990 "General Requirements for the Competence of Calibration and Testing Laboratories" (equivalent to relevant requirements of the ISO 9000 series of standards) and any additional program requirements in the identified field of testing.

Presented this 28th day of April, 2000.





President
For the Accreditation Council
Certificate Number 824.01
Valid to January 31, 2002

For tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical (EMC) Scope of Accreditation



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC GUIDE 25-1990 and EN 45001-1989

C & C LABORATORY CO., LTD
No. 15, 14 Lin, Chin Twu Chi
Lu Chu Hsiang, Taoyuan, TAIWAN, R.O.C.
Charles Wang Phone: 002 886 3 324 5966
Fax: 002 886 3 324 5235

ELECTRICAL (EMC)

Valid to: January 31, 2002

Certificate Number: 0824-01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests:

Electrical Emissions – Enclosure – 3 & 10 Meters; to 26.5 GHz (Sites 1, 2, 3 and 4)
Electrical Emissions – AC Power – 0 - 300 V; 50 - 400 Hz (Sites 1, 2, 3 and 4)
Electrical Immunity – Enclosure – 27 - 80 MHz / 3V/m; 80 MHz - 1 GHz / 10V/m
Electrical Immunity – AC Power, DC Power, Signal & Control
Electrical Fast Transient (EFT)
Electrostatic Discharge (ESD) to 25 kV
Electrical Power Surge
Power Magnetic Field Immunity
Voltage Dips, Shots, Variations

On the following products/equipment:

Computer Components and Peripherals; Networking Components; Wireless Communications Components; Electronic Components; Televisions; Home Appliances

Using the following test methods/specifications/standards:

Code of Federal Regulations (CFR) 47, FCC Part 15 using ANSI C63.4
AS/NZS 3548
BSMI CNS: 13438, 13439, 13783, 13803
CISPR: 11, 14, 22
EN: 50081-1, 50082-1, 55011, 55022, 55014, 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6, 61000-4-8, 61000-4-11
VCCI V3 (1999)
IEC: 801-2, 801-3, 801-4

11 Buckeystown Pike, Suite 350 • Frederick, MD 21704-8373 • Phone: 301-644 3248 • Fax: 301-662 2974



FEDERAL COMMUNICATIONS COMMISSION
Equipment Authorization Division
7435 Oakland Mills Road
Columbia, MD. 21046

February 01, 1999

Registration Number: 93105

C & C Laboratory Co., Ltd.
1st Fl., No. 344, Fu Ching Street
Taipei
Taiwan, R.O.C.

Attention: Charles Wang

Re: Measurement facility located at Taoyuan, Site No. 4
3 & 10 meters
Date of Listing: February 01, 1999

Gentlemen:

Your submission of the description of the subject measurement facility has been reviewed and found to be in compliance with the requirements of Section 2.948 of the FCC Rules. The description has, therefore, been placed on file and the name of your organization added to the Commission's list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that this filing must be updated for any changes made to the facility, and at least every three years from the date of listing the data on file must be certified as current.

If requested, the above mentioned facility has been added to our list of those who perform these measurement services for the public on a fee basis. An up-to-date list of such public test facilities is available on the Internet on the FCC Website at WWW.FCC.GOV, Electronic Filing, OET Equipment Authorization Electronic Filing.

Sincerely,



Thomas W Phillips
Electronics Engineer

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1585 (ext-218)
Facsimile: 301-344-2050

April 20, 1998

IN REPLY REFER TO
31040/SIT
1300F2

C&C Laboratory Co., Ltd.
1st Fl., No. 344, Fu Ching Street
Taipei, Taiwan

Attention: Charles Wang

Re: Measurement facility located at Taoyuan, Site No. 3
(3 and 10 meter site)

Gentlemen:

Your submission of the description of the subject measurement facility has been reviewed and found to be in compliance with the requirements of Section 2.948 of the FCC Rules. The description has, therefore, been placed on file and the name of your organization added to the Commission's list of facilities whose measurement data will be accepted in conjunction with applications for certification or notification under Parts 15 or 18 of the Commission's Rules. Our list will also indicate that the facility complies with the radiated and AC line conducted test site criteria in ANSI C63.4-1992. Please note that this filing must be updated for any changes made to the facility, and at least every three years the data on file must be certified as current.

Per your request, the above mentioned facility has been also added to our list of those who perform these measurement services for the public on a fee basis. This list is updated monthly and is available on the Laboratory's Public Access Link (PAL) at 301-725-1072, and also on the Internet at the FCC Website www.fcc.gov/oei/info/database/testsite/.

Sincerely,



Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1585 (ext-218)
Facsimile: 301-344-2050

March 13, 1998

IN REPLY REFER TO
31040/SIT
1300F2

C & C Laboratory Co., Ltd.
1st Fl., No. 344, Fu Ching Street
Taipei, Taiwan

Attention: Ceres Lin

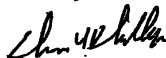
Re: Measurement facility located at Taoyuan
(3 and 10 meter site)

Gentlemen:

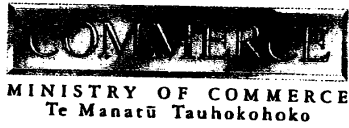
Your submission of the description of the subject measurement facility has been reviewed and found to be in compliance with the requirements of Section 2.948 of the FCC Rules. The description has, therefore, been placed on file and the name of your organization added to the Commission's list of facilities whose measurement data will be accepted in conjunction with applications for certification or notification under Parts 15 or 18 of the Commission's Rules. Our list will also indicate that the facility complies with the radiated and AC line conducted test site criteria in ANSI C63.4-1992. Please note that this filing must be updated for any changes made to the facility, and at least every three years the data on file must be certified as current.

Per your request, the above mentioned facility has been also added to our list of those who perform these measurement services for the public on a fee basis. This list is updated monthly and is available on the Laboratory's Public Access Link (PAL) at 301-725-1072, and on the Internet at the FCC Website www.fcc.gov/oet/info/database/testsite/.

Sincerely,



Thomas W. Phillips
Electronics Engineer
Customer Service Branch



ENG 3/9
AJD

22 January 1998

C & C Laboratory Co Ltd
1st Fl
No. 344
Fu Ching Street
Taipei
TAIWAN ROC

Attention: Mr Tony Houng

Dear Sir

LABORATORY APPROVAL

Thank you for your submission of 21 January regarding the approval of your testing laboratory to the Ministry of Commerce's laboratory approval criteria. Thank you for your interest in this matter.

I am pleased to advise that your submission has been successful and your laboratory has been added to the list of Ministry-approved laboratories. Your approved status is valid until 31 December 1998. At this time, the Approved Laboratory scheme will cease operation with the implementation of the new radiocommunications regulations. Test reports from your laboratory will be accepted under the new framework. Please find enclosed a copy of the Ministry's discussion paper, DP10, outlining the proposed compliance process from 1 January 1999.

If you have any further questions on this matter please do not hesitate to contact me.

Yours faithfully

Andrew Dyke
Senior Technical Officer(Regulatory)



**EMC Laboratory
Authorisation**

Aut. No. : ELA 124

EMC Laboratory: C & C Laboratory Co., Ltd.
No. 15, 14 Lin, Chin Twu Chi, Lu Chu Hsiang,
Taoyuan 338, Taiwan R.O.C.

Scope of Authorization: All CENELEC standards [ENs] for EMC that are listed on the accompanying page, and, all of the corresponding CISPR, IEC, and ISO EMC standards that are listed on the accompanying page.

This Authorisation Document confirms that the above mentioned EMC Laboratory has been validated against EN 45001 and found to be compliant. The laboratory also fulfils the conditions described in Nemko Document ELA 10. During Nemko's visit to the laboratory on 14 and 15 May, 1999, an assessment was made of the relevant parts of your organisation - i.e. facilities, personnel qualifications, test equipment, and testing practices. It was found that the EMC Laboratory is capable of performing tests within the Scope of Authorisation given on the accompanying page. Accordingly, Nemko will accept your test reports as a basis for attesting conformity to these EMC Standards for the products in question under the European Union EMC Directive [89/336/EEC as amended by 92/31/EEC and 98/13/EC].

In case of applications for Product Certification(s) to be issued by Nemko, your EMC Laboratory's test report(s) will be accepted by Nemko if they are enclosed with the Application Form submitted by the manufacturer.

In order to maintain this Authorization, the information given in the enclosed ELA-INFOs (if any) must be carefully followed. Nemko is to be promptly notified about any changes in the situation at your EMC Laboratory which may affect the basis for this Authorization. The Authorization may at any time be withdrawn if the conditions are no longer considered to be fulfilled.

The Authorisation is valid through 31 December 2001.

Oslo, 13. November 2000

For Nemko AS:



Kjell Bergh, Nemko Group EMC Co-ordinator

EMC Laboratory Authorisation

Aut. No. : ELA 124

(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT-FAMILY STANDARDS

EN 50081-1(1992)	EN 50081-2(1994)	EN 50082-1(1992), EN 50082-1(1997)
EN 50082-2(1995)	EN 50091-2(1995)	EN 50130-4(1995)
CISPR 11(1990), CISPR 11(1997), EN 55011(1991), EN 55011(1998)	CISPR 13(1975)+ A1(1983) EN55013(1990)+A12(1994)+ A13(1996)	CISPR 14(1993) + A1(1993) + Corrigendum(1996) [Excluding Clause 4.2] EN 55014-1(1993) + A1(1997) [Excluding Clause 4.2]
CISPR 14-2(1997), EN 55014-2(1997) EN 55104(1995)	CISPR 15(1992), CISPR 15(1996)+A1(1997), EN 55015(1996) + A1(1997)	CISPR 24(1997), EN 55024(1998)
CISPR 22(1993) +A1(1995) +A2(1997), EN 55022(1994) + A1(195) + A2(1997) CISPR 22(1997) [Excluding Clause 9.5] EN 55022(1998) [Excluding Clause 9.5]	EN 60555-2(1987), EN 61000-3-2(1995)+A1(1998) + A2 (1998)	EN 60555-3(1987) + A1(1991), EN 61000-3-3(1995)
IEC 61326-1(1997), EN 61326-1(1997)		

BASIC STANDARDS

IEC 801-2(1984), IEC 61000-4-2(1991) IEC/EN 61000-4-2(1995)	IEC 801-3(1984), IEC/EN 61000-4-3(1995) ENV 50204(1995)	IEC 801.4(1988), IEC/EN 61000-4-4(1995)
IEC/EN 61000-4-5(1995) [Including Corrigendum]	IEC/EN 61000-4-6(1996)	IEC/EN 61000-4-8(1993/94)
IEC/EN 61000-4-11(1994)		

Oslo, 13. November 2000

Kjell Bergh, Nemko Group EMC Co-ordinator

Postal address:
P.O.Box 73 Blindern
N-0314 OSLO, NORWAY

Telephone: +47 22 96 83 30
Fax: +47 22 96 05 58



World-wide Testing and Certification

ELA 4

**EMC Laboratory
Authorisation**

Aut. No. : ELA 160

EMC Laboratory: **C & C Laboratory Co., Ltd.
No. 15, 14 Lin, Chin Twu Chi, Lu Chu Hsiang,
Taoyuan 338, Taiwan R.O.C.**

Scope of Authorization: **EN 60601-1-2 and IEC 60601-1-2, the Collateral Standards
for electromedical products, with particular application to
EMC requirements only.**

This Authorisation Document confirms that the above mentioned EMC Laboratory has been validated against EN 45001 and found to be compliant. The laboratory also fulfils the conditions described in Nemko Document ELA 10. During Nemko's visit to the laboratory on 14 and 15 May, 1999, an assessment was made of the relevant parts of your organisation - i.e. facilities, personnel qualifications, test equipment, and testing practices. It was found that the EMC Laboratory is capable of performing tests within the Scope of Authorisation listed above. Accordingly, Nemko will accept your test reports as a basis for attesting conformity to these EMC Standards for the products in question under either the European Union Medical Device Directive [MDD], 93/42/EEC, or the European Union Active Implantable Medical Device Directive [AIMD], 90/385/EEC, (as applicable).

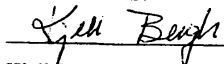
In case of applications for Product Certification(s) to be issued by Nemko, your EMC Laboratory's test report(s) will be accepted by Nemko if they are enclosed with the Application Form submitted by the manufacturer.

In order to maintain the Authorisation, the information given in the enclosed ELA-INFOs (if any) must be carefully followed. Nemko is to be promptly notified about any changes in the situation at your EMC Laboratory which may affect the basis for this Authorisation. The Authorisation may at any time be withdrawn if the conditions are no longer considered to be fulfilled.

The Authorisation is valid through 31. December 2001.

Oslo, 13. November 2000

For Nemko AS:



Kjell Bergh, Nemko Group EMC Co-ordinator

Postal address:
P.O. Box 73 Blindern
N-0314 OSLO, NORWAY

Telephone: +47 22 96 03 30
Fax: +47 22 96 05 50



Technischer Überwachungs-Verein Rheinland

Certificate

of

Appointment

No. I 9964142-9906

The applicant:

C & C Laboratory Co., Ltd.

No. 15, 14 Lin, Chin twu Chi, Lu Chu Hsiang, Taoyuan, Taiwan, R.O.C.

has been authorized to carry out EMC tests by order and under supervision of
TÜV Rheinland according to

EN 55 011:1991, EN 55 014-1:1993/A1, EN 55 022:1994/A1, EN 55 014-2:1997,
EN 60 555-2:1987, EN 61 000-3-2:1995, EN 61 000-3-3:1995
EN 50 081-1:1992, EN 50 082-1:1992, EN 50 082-1:1997, EN 50 081-2:1993
EN 50 082-2:1995, IEC 801-2:1984, IEC 801-2:1991, IEC 801-3:1984
IEC 801-4:1988, IEC 801-5:1990, EN 61 000-4-2:1995, ENV 50 140:1993, ENV 50 141:1993
ENV 50 204:1995, EN 61 000-4-3:1996, EN 61 000-4-4:1995, EN 61 000-4-5:1995
EN 61 000-4-6:1995, EN 61 000-4-8:1993, EN 61 000-4-11:1994


An inspection of the facility was conducted according to the Document
"Approval of Test Site" with reference to EN 45 001 by a TÜV Rheinland inspector.

Audit Report No. P 9964142E01, Rev.-

This certificate is valid until the next scheduled inspection or up to 15 month,
at the discretion of TÜV Rheinland.

TÜV Rheinland Taiwan Ltd.
Taipei, 24. June 1999


Dipl.-Ing. A. Klinker


Dipl.-Ing. R. Charton
Auditor



中華民國經濟部標準檢驗局

臺北市濟南路一段四號

BUREAU OF STANDARDS, METROLOGY AND INSPECTION

MINISTRY OF ECONOMIC AFFAIRS, REPUBLIC OF CHINA

4, SEC. 1, CHINAN ROAD, TAIPEI, TAIWAN, R. O. C.

Tel: 886-2-23431700 FAX: 886-2-23932324

To: C&C Laboratory Co., Ltd

IN REPLY REFER TO
87-2-01386

1 Fl.No.344,Fu Ching St., Taipei, Taiwan

This Designation Document confirms that your subject measurement facility has been validated according to the ISO/IEC Guide 25-1990 and found to be in compliance with the requirements of "Operation Guidelines of the Approval and Management of Designated EMC Laboratories."

The description of your facility has, therefore, been placed on file and the name of your organization added to the Bureau's list of facilities whose measurement data and test reports will be accepted as a basis for attesting conformity to CNS13438-1994 / CISPR22-1993, CNS13783-1-1996/ CISPR14 - 1993, CNS13439-1997 / CISPR13-1990 for Information Technology Equipment · household appliances/tools · broadcast receivers and related equipments.

It is located at: <http://www.bsmi.gov.tw>

Please reference the file numbers below in the body of all reports containing measurements made on the corresponding facility.

For your EMI Testing Lab, use reference "SL2-IN-E-001, SL2-A1-E-0014, SL2-R1-E-0014, SL2-R2-E-0014"

Note that this filing must be updated for any changes in your documentation and / or facility and whenever major changes to your documentation or major construction or repairs to your facility are completed, re-submission of the related information or the site attenuation characteristics will be required within 2 weeks.

The Designation is valid through January 16, 2001.

Taipei, October 5, 1999
For BSMI, MOEA

Chen Tso-Chen



CERTIFICATE

Company : C&C Laboratory Co., Ltd.

Facility : C&C Open Area Test Site No.1

(Conducted Interference Measurement)

Address : No.15, 14 Lin, Chin Twu Chi,

Lu Chu Hsiang Taoyuan Shien, Taiwan

*This is to certify that the following measuring facility
has been registered in accordance with the Regulations
for Voluntary Control Measures*

Registration No. : C-402

Date of Registration : July 1, 1999

This Certificate is valid until September 30, 2002

*Voluntary Control Council for Interference by
Information Technology Equipment*





CERTIFICATE

Company : C&C Laboratory Co., Ltd.

**Facility : C&C Open Area Test Site No.1
(Radiation 3 and 10 meter site)**

**Address : No.15, 14 Lin, Chin Twu Chi,
Lu Chu Hsiang Taoyuan Shien, Taiwan**

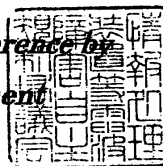
*This is to certify that the following measuring facility
has been registered in accordance with the Regulations
for Voluntary Control Measures*

Registration No. : R-393

Date of Registration : July 1, 1999

This Certificate is valid until September 30, 2002

*Voluntary Control Council for Interference by
Information Technology Equipment*





CERTIFICATE

Company : C&C Laboratory Co., Ltd.

Facility : C&C Open Area Test Site No.2

(Radiation 3 and 10 meter site)

Location of Facility : No.15, 14 Lin, Chin Twu Chi, Lu Chu

Hsiang Taoyuan Shien

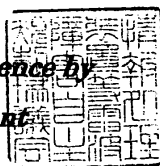
*This is to certify that the following measuring facility
has been registered in accordance with the Regulations
for Voluntary Control Measures*

Registration No. : R-1066

Date of Registration : March 6, 2000

This Certificate is valid until March 31, 2003

*Voluntary Control Council for Interference by
Information Technology Equipment*





CERTIFICATE

**Facility : C&C Conducted Interference Test Site No.3
(Conducted Interference Measurement)**

Company : C&C Laboratory Co., Ltd.

Address : No.15, 14Lin, Chin Twu Chi, Lu Chu Hsiang Taoyuan Shien

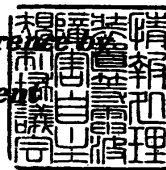
*This is to certify that the following measuring facility
has been registered in accordance with the Regulations
for Voluntary Control Measures.*

Registration No. : C-747

Date of Registration : May 1, 1998

This Certificate is valid until June 30, 2001

***Voluntary Control Council for Interference
Information Technology Equipment***





CERTIFICATE

Facility : C&C Open Area Test Site No.3

(Radiation 3 and 10 meter site)

Company : C&C Laboratory Co., Ltd.

Address : No.15, 14Lin, Chin Twu Chi, Lu Chu Haiang Taoyuan Shien

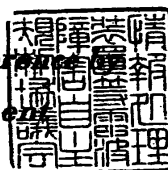
*This is to certify that the following measuring facility
has been registered in accordance with the Regulations
for Voluntary Control Measures.*

Registration No. : R-725

Date of Registration : May 1, 1998

This Certificate is valid until June 30, 2001

***Voluntary Control Council for Interference
Information Technology Equipment***





CERTIFICATE

Company : C&C Laboratory Co., Ltd.

**Facility : C&C Conducted Interference Test Site No.4
(Conducted Interference Measurement)**

Address : No.15, 14 Lin, Chin Twu Chi, Lu Chu Hsiang Taoyuan Shien, Taiwan

*This is to certify that the following measuring facility
has been registered in accordance with the Regulations
for Voluntary Control Measures*

Registration No. : C-912

Date of Registration : March 26, 1999

This Certificate is valid until March 31, 2002

***Voluntary Control Council for Interference by
Information Technology Equipment***





CERTIFICATE

Company : C&C Laboratory Co., Ltd.

Facility : C&C Open Area Test Site No.4

(Radiation 3 and 10 meter site)

Address : No.15, 14 Lin, Chin Twu Chi, Lu Chu Hsiang Taoyuan Shien, Taiwan

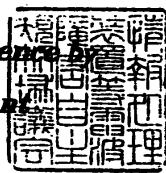
***This is to certify that the following measuring facility
has been registered in accordance with the Regulations
for Voluntary Control Measures***

Registration No. : R-879

Date of Registration : March 26, 1999

This Certificate is valid until March 31, 2002

***Voluntary Control Council for Interference
Information Technology Equipment***



中華民國實驗室認證體系認可證書

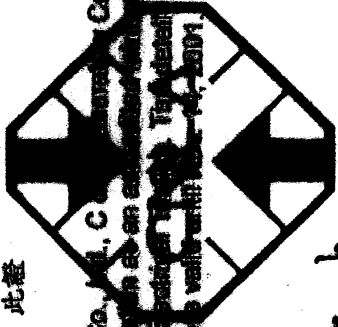
CNLA-ZL98078

Page 1 of 5

Chinese National Laboratory Accreditation Certificate ROC

茲以 程智科技股份有限公司程智科技電磁相容實驗室之電性測試領域經評鑑認可十三項發給本證書有效期限至九十年十一月十四日 此證

This is to certify that C & C Laboratory Co., Ltd. has been recognized by the Council of Chinese National Laboratory Accreditation in an area of testing. The laboratory has been registered for thirteen specific tests within the field of Electromagnetic Compatibility. The details of the scope of accreditation are described in the following pages and this certificate is valid until Nov. 14, 2001.



中華民國實驗室認證委員會
主任委員

林能中

Niang-Jong Lin

The Chairman of Chinese National Laboratory Accreditation Council

中華民國八十九年十一月十五日

(本證書共五頁, 分給使用無效 This document is invalid unless accompanied by all 5 pages)

機構名稱：程普科技股份有限公司
 實驗室名稱：程普科技電磁相容實驗室

認可編號：0363

實驗室負責人：王順堯

測試領域：電性測試

發證日期：1998.11.15

變更日期：2000.11.15

Organization : C & C Laboratory Co., Ltd.

Laboratory : C & C Laboratory Co., Ltd.

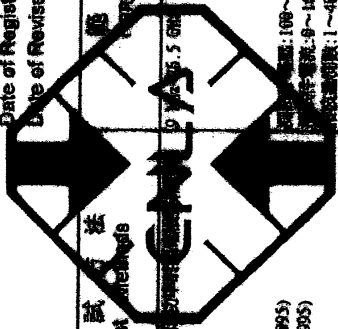
Registration : 0363

Laboratory Head : WANG, Charles

Testing Field : Electrical Testing

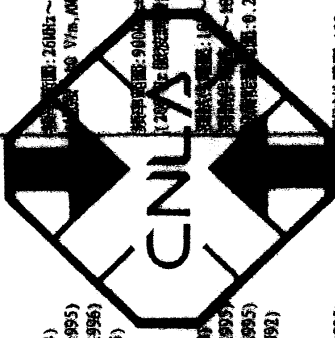
Date of Registration: 1998.11.15

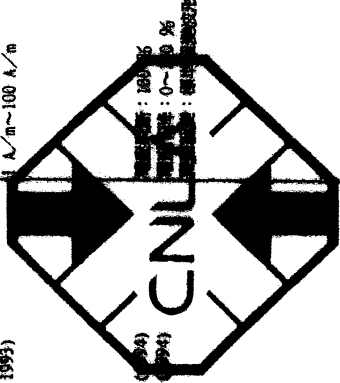
Date of Revised : 2000.11.15



認可項目 Registration items	測試件 Test items	測試方法 Test methods	範圍 Ranges	認可之最佳測試能力 Best Test capability recognized	備註 Remarks
E0280 低功率射頻電機 Low power R.F. equipment	低功率發射器/接收機 radiators/receivers	GB 1000-3-24(1995) EN 61000-3-24(1995)	功率電壓範圍: 0.5~5 GHz 電壓: 100~270VAC(單相) 電流: 0~16 A 測試距離: 1~40 公尺		
E10102 諧波電流干擾 Harmonic current emissions	資訊類及其周邊產品 ITE and peripheral products	IEC 1000-3-24(1995) EN 61000-3-24(1995)	測試件電壓: 100~270VAC(單相) 測試件電流: 0~16 A		
E10103 電壓波動與閃爍干擾 Voltage fluctuations and flicker	資訊類及其周邊產品 Products	IEC 1000-3-34(1994) EN 61000-3-34(1995)	測試件電壓: 100~270VAC(單相) 測試件電流: 0~16 A		

認可項目 Registration Items	測試件 Test Items	測試方法 Test Methods	範圍 Ranges	認可之最佳測試能力 Best Test capability recognized	備註 Remarks
E10202 靜電放電測試 Electrostatic discharge tests	資訊類及其週邊產品 ITE and peripheral products	IEC 1000-4-2(1995) EN 61000-4-2(1995) CNS 13022-1(1992)	空間放電: 0.2 kV~16.5 kV(+/-) 接觸放電:0.2 kV~9.0 kV(+/-)		
E10203 輻射耐受測試 Radiated susceptibility tests	資訊類及其週邊產品 ITE and peripheral products	IEC 801-3(1994) IEC 1000-4-3(1995) EN 61000-4-3(1996) ENW 50304(1995)	電磁干擾:20MHz~1.0 GHz 電壓:10 Vrms, AM(調變) 電壓:900V~500V 電壓:120V, 50/60Hz		
E10204 電性快速突波測試 Electrical fast transient/burst tests	資訊類及其週邊產品 ITE and peripheral products	IEC 601-4(1993) IEC 1000-4-4(1995) EN 61000-4-4(1995) CNS 13022-2(1992)	電壓:100~275 VAC(疊加) 電流:10~450 A 電壓:0.22~4.5 kV		
E10205 突波/雷擊測試 Surge/lightening tests	資訊類及其週邊產品 ITE and peripheral products	IEC 1000-4-5(1995) ENW 50142(1994) CNS 13022-3(1992)	測試條件電壓:100~270 VAC(單 相)/AC 100V 測試條件電流:16 AC/DC 設備性能範圍:0~4.2 kV 測試設備:電湧機		
E10206 傳導耐受測試 Conducted susceptibility	資訊類及其週邊產品 ITE and peripheral products	IEC 1000-4-6(1993) EN 61000-4-6(1996)	頻率範圍:150 kHz~230 MHz (共振:10 V, AM調變)		



認可項目 Registration items	測試件 Test items	測試方法 Test Methods	範圍 Ranges	認可之最佳測試能力 Best test capability recognized	備註 Remarks
tests E10208 電源頻率磁場耐受測 試 Power frequency magnetic field immunity test E10211 電壓下降、瞬斷和短 變耐受測試 Voltage dips, short interruptions and voltage variations immunity tests (以下空白)	資訊網及其週邊產品 ITE and peripheral products 資訊網及其週邊產品 ITE and peripheral products	IEC 1000-4-8 (1993) EN 61000-4-8 (1995)  IEC 1000-4-11 (1994) EN 61000-4-11 (1994)	連續磁場 1 A/m~100 A/m 電壓下降 : 100% 瞬斷 : 0~100% 短變 : 連續 100%		



TEST EQUIPMENT LIST

Instrumentation: The following list contains equipment used at C & C Laboratory, Co., Ltd. for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2-1988 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10kHz to 1.0 / 2.0 GHz.

Equipment used during the tests:

Open Area Test Site: # 1 ; # 2 ; # 3 ; # 4

Open Area Test Site # 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL. DUE
Q.P Adaptor	HP	85650A	2811A01399	05/05/2000	05/04/2001
RF Pre-selector	HP	85685A	2947A01064	05/05/2000	05/04/2001
Spectrum Analyzer	HP	8568B	3001A05004	05/05/2000	05/04/2001
S.P.A Display	HP	8568B	3014A18846	05/05/2000	05/04/2001
Precision Dipole	R&S	HZ-12	846932/0004	07/14/2000	07/13/2001
Precision Dipole	R&S	HZ-13	846556/0008	07/14/2000	07/13/2001
Bilog Antenna	CHASE	CBL6112A	2309	02/13/2000	02/12/2001
Turn Table	EMCO	2081-1.21	N/A	N.C.R	N.C.R
Antenna Tower	EMCO	2075-2	9707-2604	N.C.R	N.C.R
Controller	EMCO	2090	N/A	N.C.R	N.C.R
RF Switch	ANRITSU	MP59B	M54367	N.C.R	N.C.R
Site NSA	C&C	N/A	N/A	11/05/2000	11/04/2001

Open Area Test Site # 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL. DUE
Spectrum Analyzer	ADVANTEST	R3261A	N/A	03/08/2000	03/07/2001
Pre-Amplifier	HP	8447D	2944A08432	11/28/2000	11/27/2001
EMI Test Receiver	R&S	ESVS10	834468/006	03/24/2000	03/23/2001
Precision Dipole	R&S	HZ-12	846932/0004	07/14/2000	07/13/2001
Precision Dipole	R&S	HZ-13	846556/0008	07/14/2000	07/13/2001
Bilog Antenna	CHASE	CBL 6112B	2635	12/01/2000	11/30/2001
Turn Table	Chance Most	CM-T003-1	T807-6	N.C.R	N.C.R
Antenna Tower	Chance Most	CM-A003-1	A807-6	N.C.R	N.C.R
Controller	Chance Most	N/A	N/A	N.C.R	N.C.R
RF Switch	ANRITSU	MP59B	M76890	N.C.R	N.C.R
Site NSA	C&C Lab.	N/A	N/A	11/11/2000	11/10/2001



Open Area Test Site # 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL. DUE
Spectrum Analyzer	ADVANTEST	R3261A	21720279	08/15/2000	08/14/2001
Pre-Amplifier	HP	8447D	2944A09173	02/01/2000	01/31/2001
EMI Test Receiver	R&S	ESVS20	838804/004	12/24/1999	12/23/2000
Precision Dipole	R&S	HZ-12	846932/0004	07/14/2000	07/13/2001
Precision Dipole	R&S	HZ-13	846556/0008	07/14/2000	07/13/2001
Bilog Antenna	CHASE	CBL6112A	2179	12/01/2000	11/30/2001
Turn Table	EMCO	2081-1.21	9709-1885	N.C.R	N.C.R
Antenna Tower	EMCO	2075-2	9707-2060	N.C.R	N.C.R
Controller	EMCO	2090	9709-1256	N.C.R	N.C.R
RF Switch	ANRITSU	MP59B	M53867	N.C.R	N.C.R
Site NSA	C&C	N/A	N/A	01/29/2000	01/28/2001

Open Area Test Site # 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL. DUE
Spectrum Analyzer	ADVANTEST	R3132	91700456	02/15/2000	02/14/2001
EMI Test Receiver	R&S	ESCS30	847793/012	11/10/2000	11/09/2001
Precision Dipole	R&S	HZ-12	846932/0004	07/14/2000	07/13/2001
Precision Dipole	R&S	HZ-13	846556/0008	07/14/2000	07/13/2001
Bilog Antenna	CHASE	CBL 6112B	2462	01/13/2000	01/12/2001
Turn Table	Chance most	N/A	N/A	N.C.R	N.C.R
Antenna Tower	Chance most	N/A	N/A	N.C.R	N.C.R
Controller	Chance most	N/A	N/A	N.C.R	N.C.R
RF Switch	ANRITSU	MP59B	M51067	N.C.R	N.C.R
Site NSA	C&C Lab.	N/A	N/A	12/26/1999	12/25/2000

3 meter chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL. DUE
Spectrum Analyzer	ADVANTEST	R3271A	85060321	10/04/2000	10/03/2001
Pre-Amplifier	HP	8449B	3008A00965	10/03/2000	10/02/2001
Horn Antenna	EMCO	3115	9602-4659	04/06/2000	04/05/2001
Coaxial Cable	ANOREW	LDF-2-50	79027	09/22/2000	09/21/2001
Turn Table	HD	DS 415	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA 240	N/A	N.C.R	N.C.R
Controller	HD	HD 100	N/A	N.C.R	N.C.R



Conducted Emission Test Site: # 4

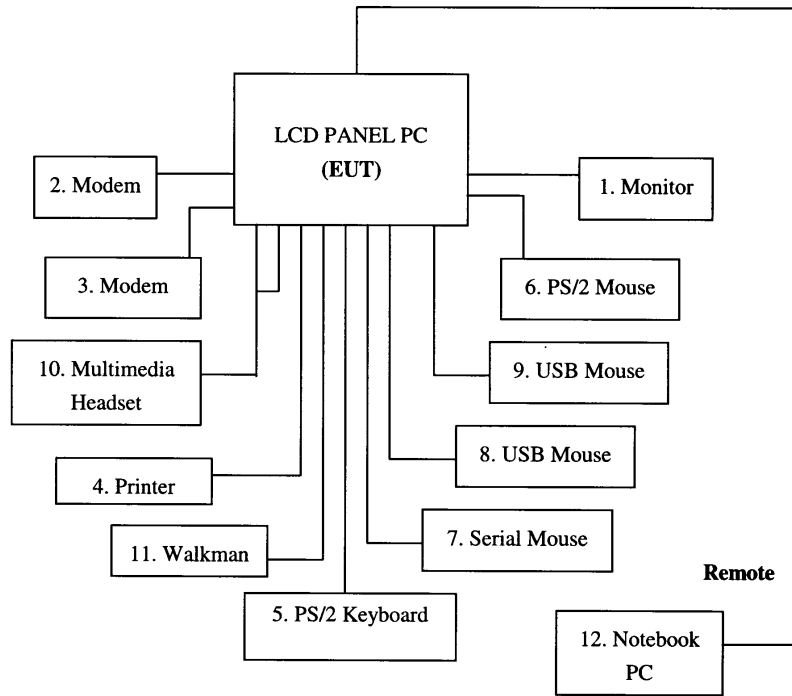
Conducted Emission Test Site # 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL. DUE
EMI Test Receiver	R&S	ESCS30	845552/030	12/07/2000	12/06/2001
LISN	EMCO	3825/2	9003/1382	01/10/2000	01/09/2001
LISN	R&S	ENV 4200	8303261016	11/18/2000	11/17/2001

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.



BLOCK DIAGRAM OF TEST SETUP SYSTEM DIAGRAM OF CONNECTIONS BETWEEN EUT AND SIMULATORS

EUT: LCD PANEL PC
Trade Name: N/A
Model Number: ONYX-151
Power Cord: Unshielded, 1.8m



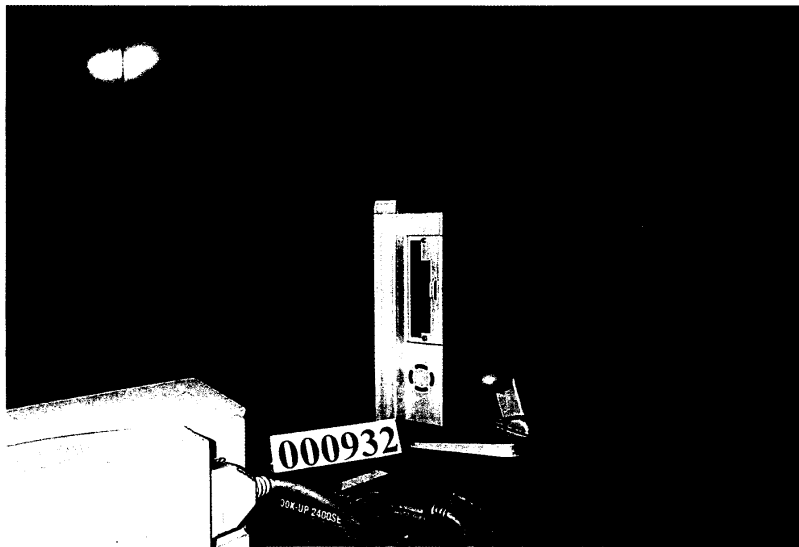
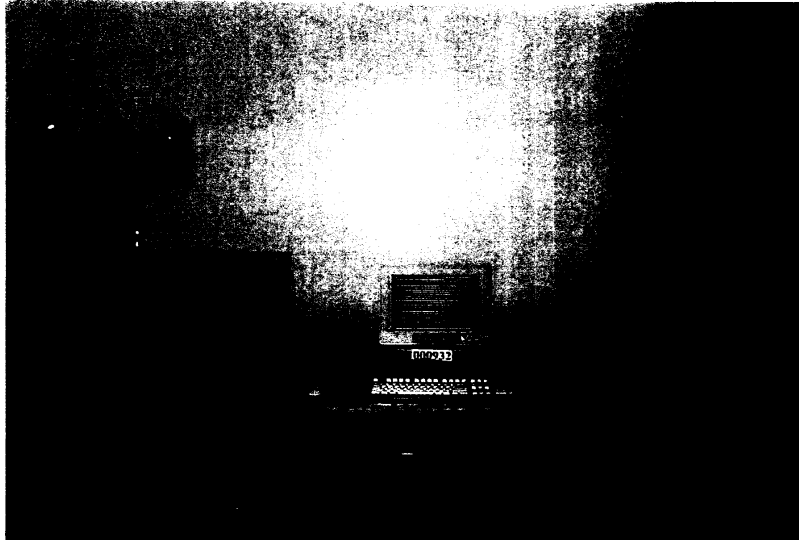


APPENDIX 1

PHOTOGRAPHS (TEST SETUP OF LINE CONDUCTED EMISSION TEST)



LINE CONDUCTED EMISSION TEST



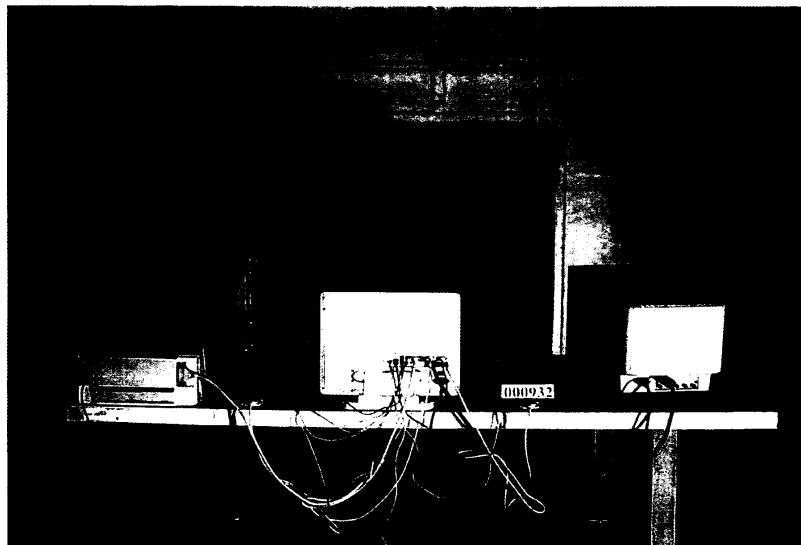
Report Number: 000932-F
December 18, 2000



APPDENDIX 2

PHOTOGRAPHS (TEST SETUP OF RADIATED EMISSION TEST)

TEST SETUP OF RADIATED EMISSION TEST



Report Number: 000932-F
December 18, 2000



APPENDIX 3

PHOTOGRAPHS OF EUT

