

EXHIBIT 4
RFI/EMI TEST REPORT



EMC

TEST REPORT

REPORT NO. : F88050462
MODEL NO. : 2327
DATE OF TEST : May 12, 1999

PREPARED FOR : Olicom A/S

ADDRESS : Nybrovej 144, DK-2800 Lyngby, Denmark

PREPARED BY: ADVANCE DATA TECHNOLOGY CORPORATION



Accredited Laboratory

No. 81-1, Lu Liao Keng, 9 Ling, Wu Lung Tsuen,
Chiung Lin Hsiang, Hsin Chu Hsien, Taiwan, R.O.C.

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1.

CERTIFICATION

Issue Date: May 17, 1999

Product : RapidFire 2327 Ethernet PCI 10/100 Adapter
Trade Name : Olicom
Model No. : 2327
Applicant : Olicom A/S
Standard : FCC Part 15, Subpart B, Class B
ANSI C63.4-1992
CISPR 22:1993+A1: 1995+A2: 1996

We hereby certify that one sample of the designation has been tested in our facility on May 12, 1999. The test record, data evaluation and Equipment Under Test (EUT) configurations represent herein are true and accurate representation of the measurements of the sample's EMC characteristics under the conditions herein specified.

The test results show that the EUT as described in this report is in compliance with the Class B limits of conducted and radiated emission of applicable standards

TESTED BY : Rico Teng , DATE: 5 / 17 / 99
(Rico Teng)

CHECKED BY : Rita Yi , DATE: 5/17/99
(Rita Yi)

APPROVED BY : Stephen W.F. Chen , DATE: 5/17/99
(Stephen W.F. Chen)

ADVANCE DATA TECHNOLOGY CORPORATION**NVLAP[®]**

Accredited Laboratory



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product	:	RapidFire 2327 Ethernet PCI 10/100 Adapter
Model No.	:	2327
Power Supply	:	DC 5V
Data Cable	:	NA

Note: The EUT is an Ethernet 10/100 PCI Adapter. The EUT can automatically sense the network speed and full-duplex capabilities and requires no user intervention when changing between 10Mbps and 100Mbps speeds and between half and full duplex.

The EUT complies with all relevant industry standards, including IEEE 802.3u for Fast Ethernet and PCI revision 2.1, assuring trouble-free operation.

The EUT was pre-scanned under 10Mbps and 100Mbps speed Mode. The worst conducted emission was found in 10Mbps speed mode and worst radiated emission was found in 100Mbps speed mode. The final test was executed under test mode with worst emission and recorded in this report individually.

For more detailed features, please refer to ATTACHMENT 1 - TECHNICAL DESCRIPTION OF EUT and User's Manual.



2.2 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as peripheral installed into a system and tested together with necessary accessories or support units. The following support units or accessories are used to form representative test configuration during the tests.

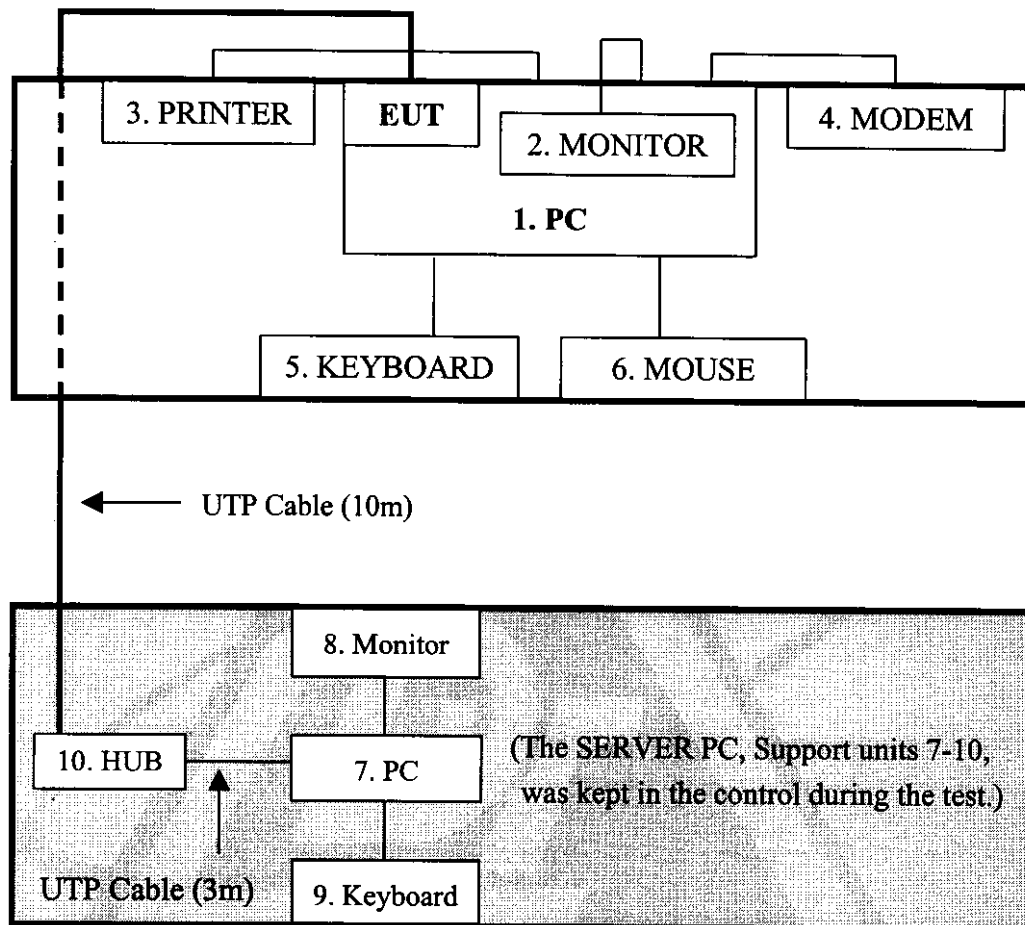
No	Product	Brand	Model No.	FCC ID	I/O Cable
1	PERSONAL COMPUTER	NTi	PII-233T	FCC DoC	Nonshielded Power (1.8m)
2	COLOR MONITOR	ADI	937G	BR8PD937G	Shielded Signal (1.2m) Nonshielded Power (1.8m)
3	PRINTER	HP	C2642A	B94C2642X	Shielded Signal (1.1m) Nonshielded Power (1.8m)
4	MODEM	ACEEX	1414	IFAXDM1414	Shielded Signal (1.2m) Nonshielded Power (1.8m)
5	KEYBOARD	FORWARD	FDA-104GA	F4ZDA-104G	Shielded Signal (1.8m)
6	MOUSE	DEXIN	A2P800A	NIYA2P822A	Shielded Signal (1.8m)
7	PERSONAL COMPUTER	ACER	A VC516H	HLZV35-IDABN	Nonshielded Power (1.8m)
8	COLOR MONITOR	ADI	PD-695	BR8PD-695	Shielded Signal (1.2m) Nonshielded Power (1.8m)
9	KEYBOARD	FORWARD	FDA-104GA	F4ZDA-104G	Shielded Signal (1.4m)
10	HUB (Conduction)	HP	Advance Stack HUB-8E	144042-718	Shielded Signal (1.2m) Nonshielded Power (1.8m)
	LAN CARD	ACCTON	EN1207D	FCC DoC	NA

Note: Support unit 1-6 acted as CLIENT PC and communicated with support unit 7-10 which acted as SERVER PC and systems of communication partner. They communicated with each other via EUT at 100Mbps speed (for radiated test) with one cross-over UTP (Unshielded Twisted Pair) Cat.5 cable (10M) and at 10Mbps speed (for conducted test). The SERVER PC was kept in the control room during the test.

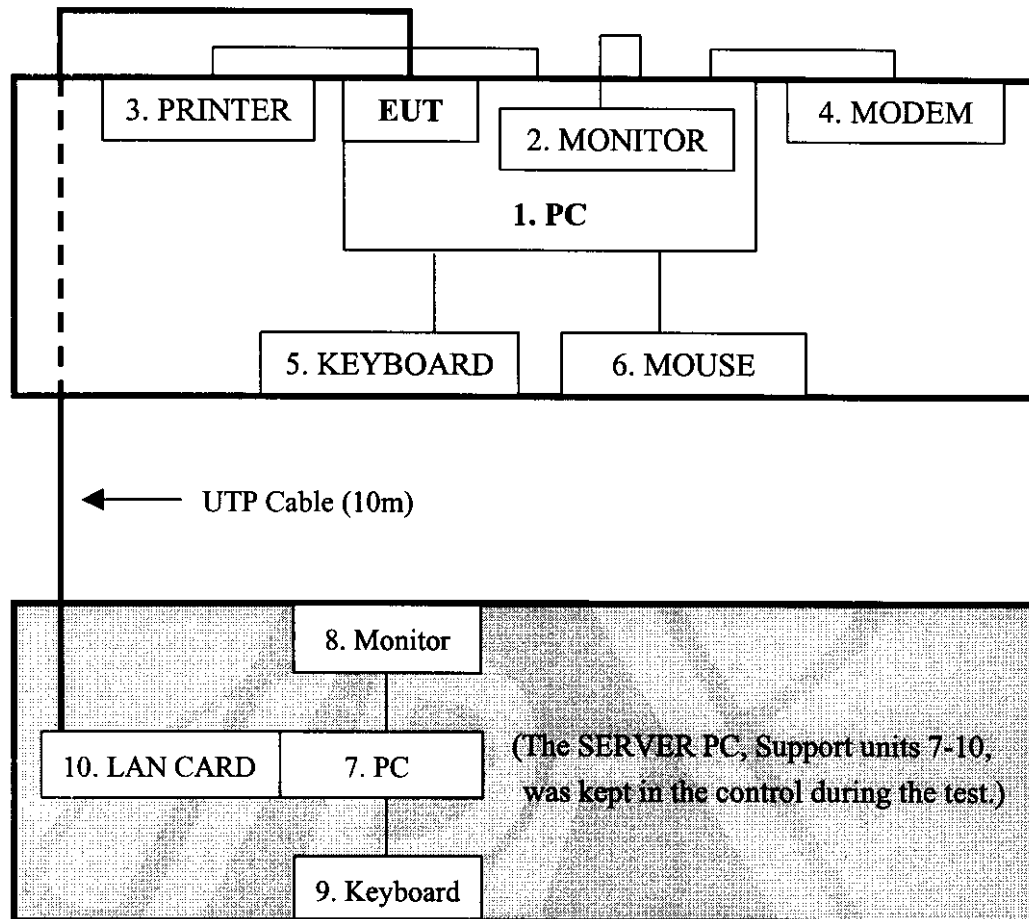


2.3 TEST METHODOLOGY AND CONFIGURATION

FOR CONDUCTED TEST



Both conducted and radiated testing were performed according to the procedures in ANSI C63.4:1992. Radiated testing was performed at an antenna to EUT distance of 10 m on an open area test site. Please refer to the photos of test configuration in Item 5.

**FOR RADIATION TEST**

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4:1992. Radiated testing was performed at an antenna to EUT distance of 10 m on an open area test site. Please refer to the photos of test configuration in Item 5.



3. TEST INSTRUMENTS

3.1 TEST INSTRUMENTS (EMISSION)

RADIATED EMISSION MEASUREMENT

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
HP Spectrum Analyzer	8594E	3710A04861	Sept. 14, 1999
CHASE RF Pre Amplifier	CPA9232	1001	June 01, 1999
ROHDE & SCHWARZ Test Receiver	ESVS 10	846285/012	Dec. 15, 1999
CHASE Broadband Antenna	CBL6112A	2342	June 24, 1999
ROHDE & SCHWARZ Precision Dipole	HZ-12 (30~300MHz)	846932/0003	June 06, 2000
ROHDE & SCHWARZ Precision Dipole	HZ-13 (300~1000MHz)	846556/0007	June 17, 2000
EMCO Antenna Tower	2075-2	9712-2124	N/A
EMCO Turn Table	2081-1.53	9712-2030	N/A
CORCOM AC Filter	MRI2030	107/108	N/A
Open Field Test Site	Site A	ADT-RA	July 08, 1999

Note: 1. The measurement uncertainty is less than +/- 3dB, which is calculated as per NAMAS document NIS81.

2. The calibration interval of the above test instruments is 12 months.
And the calibrations are traceable to NML/ROC and NIST/USA.

CONDUCTED EMISSION MEASUREMENT

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
ROHDE & SCHWARZ Test Receiver	ESCS 30	847124/029	Nov. 13, 1999
ROHDE & SCHWARZ LISN	ESHS-Z5	848773/004	Nov. 11, 1999
KYORITSU LISN	KNW-407	8/1395/12	July 15, 1999
Shielded Room	Con A	ADT-CA	N/A

Note: 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per NAMAS document NIS81.

2. The calibration interval of the above test instruments is 12 months.
And the calibrations are traceable to NML/ROC and NIST/USA.



3.2 LIMITS OF CONDUCTED AND RADIATED EMISSION

LIMIT OF RADIATED EMISSION OF CISPR 22

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

LIMIT OF RADIATED EMISSION OF FCC PART 15, SUBPART B FOR FREQUENCY ABOVE 1000 MHz

FREQUENCY (MHz)	Class A (at 10m)		Class B (at 3m)	
	uV/m	dBuV/m	uV/m	dBuV/m
Above 1000	300	49.5	500	54.0

- Note: (1) The lower limit shall apply at the transition frequencies.
- (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
- (3) All emanation 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.

LIMIT OF CONDUCTED EMISSION OF CISPR 22

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 linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz
- (3) All emanation 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.



4. TEST RESULTS (EMISSION)

4.1 RADIO DISTURBANCE

Frequency Range : 0.15 - 30 MHz (Conducted Emission)
30 - 1000 MHz (Radiated Emission)
Input Voltage : DC 5V
Temperature : 26 °C
Humidity : 61 %
Atmospheric Pressure : 979 mbar

TEST RESULT	Remarks
PASS	Minimum passing margin of conducted emission: -5.4 dB at 10.000 MHz Minimum passing margin of radiated emission: -2.7 dB at 400.00 MHz

4.2 EUT OPERATION CONDITION

1. Turned on the power of all equipment.
2. CLIENT PC and SERVER PC run a test program to enable all functions.
3. CLIENT PC sent messages to and received messages from the SERVER PC via EUT.
4. CLIENT PC sends "H" messages to monitor and monitor displays them on screen.
5. CLIENT PC sends "H" messages to printer, then printer prints them on paper.
6. CLIENT PC sends "H" messages to modem.
7. Repeat steps 3-7.



4.3 TEST DATA OF CONDUCTED EMISSION

EUT: RapidFire 2327 Ethernet PCI 10/100 Adapter

MODEL: 2327

TEST MODE: 10Mbps Speed

6 dB Bandwidth: 9 kHz

PHASE: LINE (L)

Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
[MHz]	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.688	0.2	44.1	-	44.3	-	56.0	46.0	-11.7	-
0.855	0.2	44.4	-	44.6	-	56.0	46.0	-11.4	-
1.879	0.3	42.6	-	42.9	-	56.0	46.0	-13.1	-
3.571	0.3	44.4	-	44.7	-	56.0	46.0	-11.3	-
3.750	0.3	42.7	-	43.0	-	56.0	46.0	-13.0	-
10.000	0.7	53.5	41.7	54.2	42.4	60.0	50.0	-5.8	-7.6

- Remarks:
1. "*": Undetectable
 2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 3. "-": The Quasi-peak emission level also meets average limit and measurement with the average detector is unnecessary.
 4. The emission level of other frequencies were very low against the limit.
 5. Emission Level = Corr. Factor + Reading Data
 6. Margin value = Emission level - Limit value.

ADT CORP. SHIELDED ROOM A CISPR 22 CLASS B

EUT: 2327
Op Cond: 10Mbps
Operator: RICO
Test Spec: LISN :L
Comment: 120V AC / 60Hz
File name: CISPR22B.SPC
Date: 12. May 99 16:08

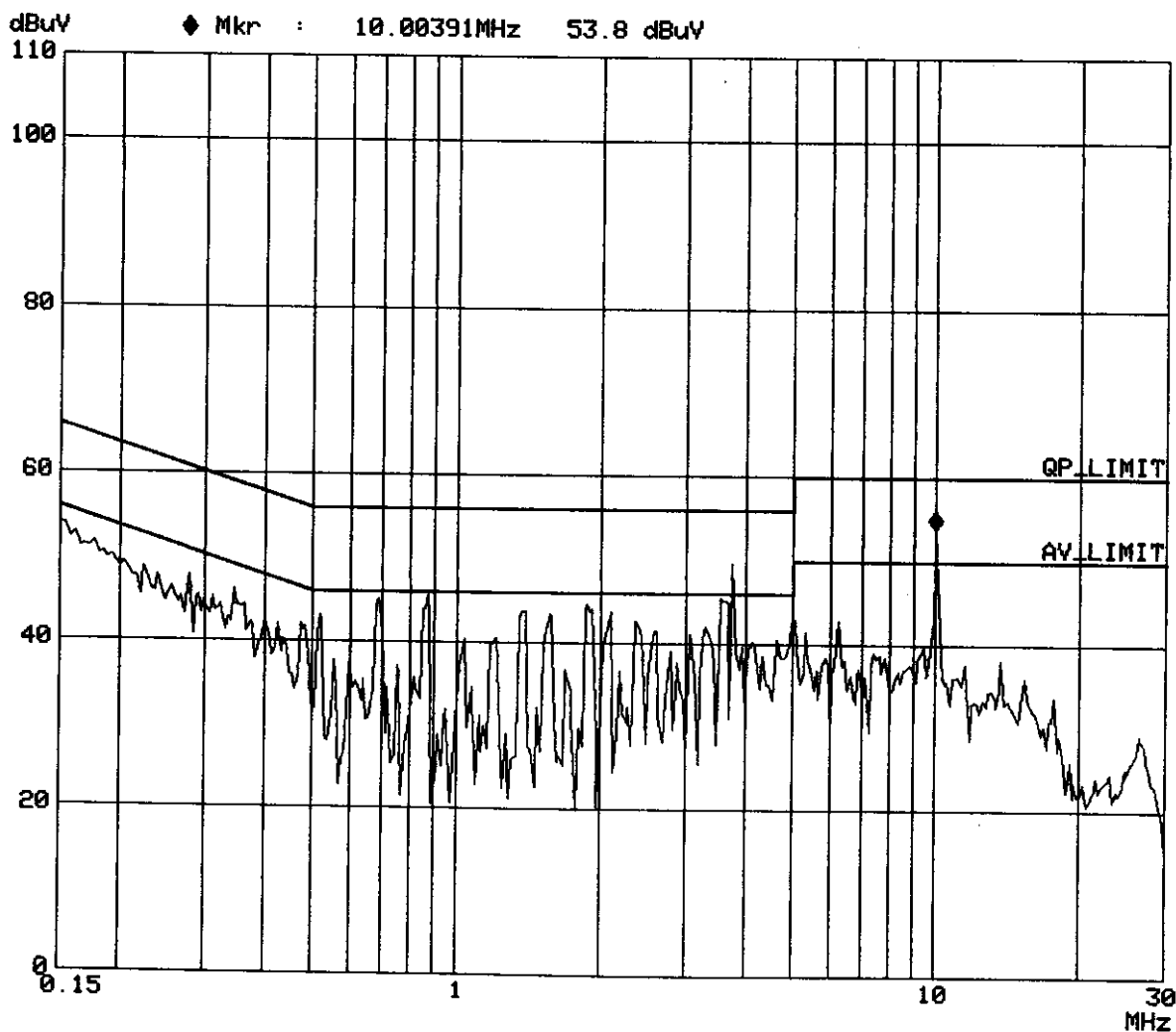
Report No.: F88050462

Page: 11-1

Test By: Rico Teng

Overview Scan Settings (3 Ranges)

Frequencies			Receiver Settings				
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp
150k	3M	3.90625k	9k	PK	10ms	10dBLN	OFF
3M	10M	3.90625k	9k	PK	0.05ms	10dBLN	OFF
10M	30M	3.90625k	9k	PK	0.05ms	10dBLN	OFF





TEST DATA OF CONDUCTED EMISSION

EUT: RapidFire 2327 Ethernet PCI 10/100 Adapter

MODEL: 2327

TEST MODE: 10Mbps Speed

6 dB Bandwidth: 9 kHz

PHASE: NEUTRAL (N)

Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
[MHz]	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.688	0.2	44.0	-	44.2	-	56.0	46.0	-11.8	-
0.855	0.2	44.3	-	44.5	-	56.0	46.0	-11.5	-
1.879	0.3	42.8	-	43.1	-	56.0	46.0	-12.9	-
3.571	0.3	43.9	-	44.2	-	56.0	46.0	-11.8	-
3.750	0.3	42.3	-	42.6	-	56.0	46.0	-13.4	-
10.000	0.6	54.0	42.3	54.6	42.9	60.0	50.0	-5.4	-7.1

- Remarks:
1. "": Undetectable
 2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 3. "-": The Quasi-peak emission level also meets average limit and measurement with the average detector is unnecessary.
 4. The emission level of other frequencies were very low against the limit.
 5. Emission Level = Corr. Factor + Reading Data
 6. Margin value = Emission level - Limit value.

ADT CORP. SHIELDED ROOM A CISPR 22 CLASS B

EUT: 2327
Op Cond: 10Mbps
Operator: RICO
Test Spec: LISN :N
Comment: 120V AC / 60Hz
File name: CISPR22B.SPC
Date: 12. May 99 16:18

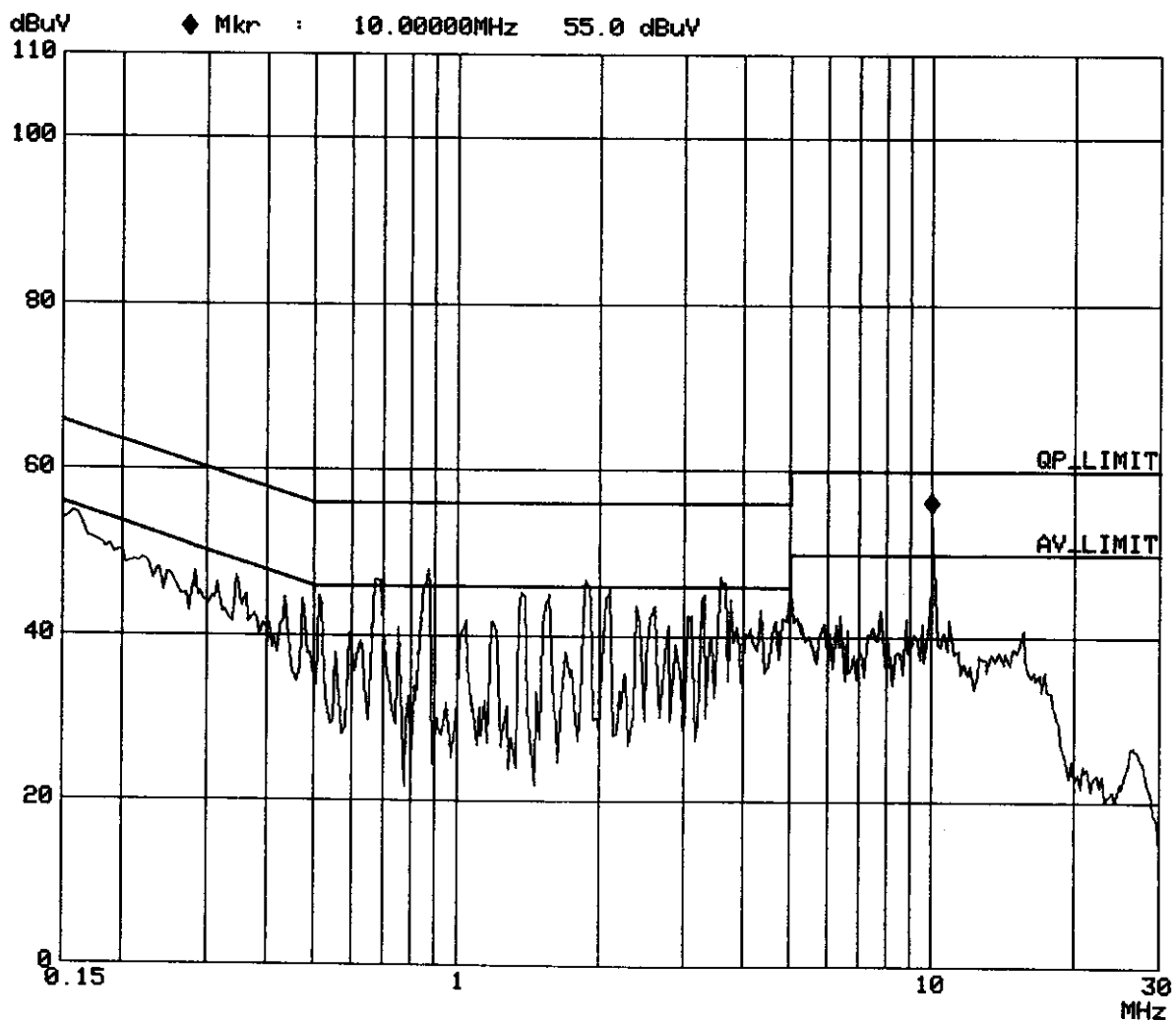
Report No.: F88050462

Page: 12-1

Test By: Rico Tong

Overview Scan Settings (3 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	
150k	3M	3.90625k	9k	PK	10ms	10dBLN	OFF	
3M	10M	3.90625k	9k	PK	0.05ms	10dBLN	OFF	
10M	30M	3.90625k	9k	PK	0.05ms	10dBLN	OFF	





4.4 TEST DATA OF RADIATED EMISSION

EUT: **RapidFire 2327 Ethernet PCI 10/100 Adapter**

MODEL: **2327**

TEST MODE: **100Mbps Speed**

ANT. POLARITY: **Horizontal**

DETECTOR FUNCTION: **Quasi-peak**

6 dB BANDWIDTH: **120 kHz**

FREQUENCY RANGE: **30-1000 MHz**

MEASURED DISTANCE: **10 M**

Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle
225.00	12.1	9.2	21.3	30.0	-8.7	336	99
275.00	16.6	8.8	25.4	37.0	-11.6	298	87
300.00	17.4	10.5	27.9	37.0	-9.1	323	93
400.00	20.4	11.8	32.2	37.0	-4.8	273	309
425.00	20.9	7.3	28.2	37.0	-8.8	250	101
450.00	21.5	11.4	32.9	37.0	-4.1	166	92
500.01	22.5	9.7	32.2	37.0	-4.8	193	16

- REMARKS:
1. Emission level (dBuV/m) = Correction Factor (dB)
+Reading Value (dBuV).
 2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level - Limit value



TEST DATA OF RADIATED EMISSION

EUT: **RapidFire 2327 Ethernet PCI 10/100 Adapter**

MODEL: **2327**

TEST MODE: **100Mbps Speed**

ANT. POLARITY: **Vertical**

DETECTOR FUNCTION: **Quasi-peak**

6 dB BANDWIDTH: **120 kHz**

FREQUENCY RANGE: **30-1000 MHz**

MEASURED DISTANCE: **10 M**

Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle
150.00	14.2	8.5	22.7	30.0	-7.3	100	190
225.00	13.2	10.1	23.3	30.0	-6.7	100	206
275.00	16.5	10.2	26.7	37.0	-10.3	100	197
300.00	17.2	13.2	30.4	37.0	-6.6	100	333
400.00	20.1	14.2	34.3	37.0	-2.7	100	272
450.00	21.2	12.2	33.5	37.0	-3.5	100	138
500.01	22.3	11.8	34.1	37.0	-2.9	100	251

- REMARKS:
1. Emission level (dBuV/m) = Correction Factor (dB)
+ Reading Value (dBuV).
 2. Correction Factor (dB) = Ant. Factor (dB) + Cable loss (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level - Limit value



6. ATTACHMENT 1 - TECHNICAL DESCRIPTION OF EUT

SPECIFICATIONS:

◆ Controller	DIGITAL 21143-PD
◆ Media connector	8-pin RJ-45 for UTP with on-board media filter
◆ Power requirements	1.75 Watts @+5 Volt DC
◆ Operating temperature	0°C to +55°C
◆ Humidity (relative)	10% to 90% non-condensing
◆ Size	135 x 65mm
◆ On-board memory	6 Kbytes
◆ Network Interface	10Base-T 100Base-TX
◆ Certification	FCC Part 15, subpart B EN 50082-1 EN 55022 Class B EN 60825-1 EN 60950 including amendments
◆ I/O window	128 bytes
◆ Memory window	16 bytes
◆ Data Path Width	32 bit
◆ Data Transfer	Bus master DMA
◆ Interrupt Level	Any level assigned by the system
◆ LED Indicators	Green "100" LED. ON/OFF = 100/10 Mbps Green "LINK" LED. NO = Link Green "ACTIVITY" LED. ON = Receiving

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1585 (ext-218)
Facsimile: 301-344-2030

October 21, 1998

IN REPLY REFER TO
31040/SIT
1300F2

Advance Data Technology Corporation
12F, No. 1, Sec. 4
Nan-King East Rd.
Taipei, Taiwan, R.O.C.

Attention: Harris W. Lai

Re: Measurement facility located at above address, Site No. 1
(3 and 10 meters)

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 published periodically and is also available on the Laboratory's Public Access Link as described in the enclosed Public Notice.

Sincerely,

Thomas W. Phillips
Thomas W. Phillips
Electronics Engineer
Customer Service Branch

Enclosure:
PAL PN

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1585 (ext-218)
Facsimile: 301-344-2030

September 15, 1998

IN REPLY REFER TO
31040/SIT
1300F2

Advance Data Technology Corporation
12F, No. 1, Sec. 4
Nan-King East Rd.
Taipei, Taiwan, R.O.C.

Attention: Harris Lai

Re: Measurement facility located at Lin Kou, Sites 2 & 3
(3 & 10 meters)

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. 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 also been added to our list of those who perform these measurement services for the public on a fee basis. An up-to-date list is available on the Internet at the FCC Website www.fcc.gov under Electronic Filing.

Sincerely,

Thomas W. Phillips
Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

Equipment Authorization Division
7435 Oakland Mills Road
Columbia, MD 21046

March 04, 1999

Registration Number: 90426

Advance Data Technology Corp.
12F, No. 1, Sec. 4
Nan-King East Road
Taipei
Taiwan, R.O.C.

Attention: Tammy Wu

Re: Measurement facility located at Taipei, Site No. 1
3 & 10 meters
Date of Listing: March 04, 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 or notification 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 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
Thomas W. Phillips
Electronics Engineer

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1585 (ext-218)
Facsimile: 301-344-2030

October 21, 1998

IN REPLY REFER TO
31040/SIT
1300F2

Advance Data Technology Corporation
12F, No. 1, Sec. 4
Nan-King East Rd.
Taipei, Taiwan, R.O.C.

Attention: Harris W. Lai

Re: Measurement facility located at above address, Site No. 5
(3 and 10 meters)

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 published periodically and is also available on the Laboratory's Public Access Link as described in the enclosed Public Notice.

Sincerely,

Thomas W. Phillips
Thomas W. Phillips
Electronics Engineer
Customer Service Branch

Enclosure
PAL PN

FEDERAL COMMUNICATIONS COMMISSION

1435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1888 (ext-214)
Facsimile: 301-344-2000

February 25, 1996

44 HRLY 8876 TO
31040/SHT
1 1300F2

Advance Data Technology Corporation
12F, No. 1, Sec. 4, Nan-King E. Rd.
Taipei, Taiwan

Attention: Harris W. Lai

Re: Measurement facility located at above address, Site No. 6
(3 and 10 meters)

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 C83.4-1992. 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/infocenter/testsite/.

Sincerely,

Thomas W. Phillips

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

1435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1888 (ext-214)
Facsimile: 301-344-2000

July 18, 1996

44 HRLY 8876 TO
31040/SHT
1300F2

Advance Data Technology Corporation
12F, No. 1, Sec. 4
Nan-King East Rd.
Taipei, Taiwan, R.O.C.

Attention: Harris W. Lai

Re: Measurement facility located at Hsin Chu (3 & 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 C83.4-1992. 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 also been added to our list of those who perform these measurement services for the public on a fee basis. An up-to-date list is available on the Internet at the FCC Website www.fcc.gov/infocenter/testsite/.

Sincerely,

Thomas W. Phillips

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

Equipment Authorization Division
1435 Oakland Mills Road
Columbia, MD 21046

December 23, 1996

Registration Number: 92755

Advance Data Technology Corporation
12F, No. 1, Sec. 4
Nan-King East Road
Taipei
Taiwan, R.O.C.

Attention: Harris Lai

Re: Measurement facility located at Hsin-Chu, Site B
3 & 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 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 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, UET Equipment Authorization Electronic Filing.

Sincerely,

Thomas W. Phillips

Thomas W. Phillips
Electronics Engineer



Technischer Überwachungs-Verein Rheinland

Certificate

of Appointment

No. 1-9763928-9707

The applicant:

Advance Data Technology (ADT) Corporation
No. 47, 14 Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien,
Taiwan, R.O.C.

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

CISPR16, EN 55 011:1991, EN 55 014:1993, EN 55 015:1993, EN 55 032:1994/A1,
EN 55 104:1995, 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 50 081-2:1993, EN 50 082-2:1995,
IEC 801-2:1991, IEC 801-3:1994, IEC 801-4:1992, IEC 801-5:1996, EN 61 000-4-2:1995,
ENV 50 140:1993, ENV 50 141:1993, IEC 1 000-4-3:1995, EN 61 000-4-4:1995,
EN 61 000-4-5:1995, EN 61 000-4-6:1993, EN 61 000-4-11:1994, EN 60 601-1-2:1993

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

Audit Report No. P 9763928E01, Rev. A
This certificate is valid until the next scheduled inspection or up to 15 month,
at the discretion of TUV Rheinland.

TUV Rheinland Taiwan Ltd.
Taipei, 16.07.1997

Dieter G. Löhken
Dieter G. Löhken
Vice General Manager
Product Safety Department

U. Meyer
Dipl.-Ing. U. Meyer
Auditor



CERTIFICATE

Facility: NO. 1 SITE

(Radiation 3 and 10 meter site)

Company : Advance Data Technology Corp.

Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
TAIPEI HSIEN, 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-236

Date of Registration : July 1, 1998

This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
Information Technology Equipment



CERTIFICATE

Facility: NO. 2 SITE

(Radiation 3 and 10 meter site)

Company : Advance Data Technology Corp.

Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
TAIPEI HSIEN, 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-237

Date of Registration : July 1, 1998

This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
Information Technology Equipment



CERTIFICATE

Facility: NO. 2 SITE

(Conducted Interference Measurement)

Company : Advance Data Technology Corp.

Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
TAIPEI HSIEN, 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-240

Date of Registration : July 1, 1998

This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
Information Technology Equipment



CERTIFICATE

Facility: No.3 Site

(Radiation 3 and 10 meter site)

Company : Advance Data Technology Corp.

Address : No.47 CHIA PAU TSUEN, LIN KOU HSIANG, TAIPEI
HSIEN, 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-269

Date of Registration : January 1, 1999

This Certificate is valid until March 31, 2002

Voluntary Control Council for Interference by
Information Technology Equipment





CERTIFICATE

Facility: No.3 Site
 (Conducted Interference Measurement)
 Company : Advance Data Technology Corp.
 Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG, TAIPEI
 HSIEN, 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-274
 Date of Registration : January 1, 1999
 This Certificate is valid until March 31, 2002

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

Facility: No.4 Site
 (Radiation 3 and 10 meter site)
 Company : ADVANCE DATA TECHNOLOGY
 CORP.
 Address : No.47, CHIA PAU TSUEN, LIN KOU
 HSIANG, TAIPEI HSIEN, TAIWAN

*This is to certify that the following measuring facility
 has been registered in accordance with the Regulations
 for Voluntary Control Measures, Article 8.*

Registration No. : R-489
 Date of Registration : December 20, 1996
 This Certificate is valid until December 31, 1999

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

Facility: No.5 Site
 (Radiation 3 and 10 meter site)
 Company : ADVANCE DATA TECHNOLOGY
 CORP.
 Address : No.47, CHIA PAU TSUEN, LIN KOU
 HSIANG, TAIPEI HSIEN, TAIWAN

*This is to certify that the following measuring facility
 has been registered in accordance with the Regulations
 for Voluntary Control Measures, Article 8.*

Registration No. : R-490
 Date of Registration : December 20, 1996
 This Certificate is valid until December 31, 1999

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

Facility: ADVANCE DATA TECHNOLOGY
 CORPORATION
 (Conducted Interference Measurement)
 Company : ADVANCE DATA TECHNOLOGY
 CORPORATION
 Address : No.47, CHIA PAU TSUEN, LIN KOU
 HSIANG, TAIPEI HSIEN, TAIWAN

*This is to certify that the following measuring facility
 has been registered in accordance with the Regulations
 for Voluntary Control Measures, Article 8.*

Registration No. : C-505
 Date of Registration : December 20, 1996
 This Certificate is valid until December 31, 1999

Voluntary Control Council for Interference by
 Information Technology Equipment





CERTIFICATE

Facility: Advance Data Technology Corp Site 6
(Radiation 3 and 10 meter site)
Company : Advance Data Technology Corp.
Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
TAIPEI HSIEN, 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-728
Date of Registration : May 19, 1998
This Certificate is valid until June 30, 2001

Voluntary Control Council for Interference by
Information Technology Equipment



CERTIFICATE

Facility: Advance Data Technology Corp Site A
(Radiation 3 and 10 meter site)
Company : Advance Data Technology Corp.
Address : NO. 81-1, LU LIAO KENG, 9 LING, WU LIANG TSUEN,
CHIUNG LIN HSIANG, HSEN CHU HSIEN, 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-782
Date of Registration : September 29, 1998
This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
Information Technology Equipment



CERTIFICATE

Facility: Advance Data Technology Corp Shielded Room A
(Conducted Interference Measurement)
Company : Advance Data Technology Corp.
Address : NO. 81-1, LU LIAO KENG, 9 LING, WU LIANG TSUEN,
CHIUNG LIN HSIANG, HSEN CHU HSIEN, 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-817
Date of Registration : September 29, 1998
This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
Information Technology Equipment



CERTIFICATE

Facility: ADVANCE DATA TECHNOLOGY CORPORATION OPEN SITE B
(Radiation 3 and 10 meter site)
Company : ADVANCE DATA TECHNOLOGY CORPORATION
Address : NO. 81-1, LU LIAO KENG, 9 LING, WU LIANG TSUEN,
CHIUNG LIN HSIANG, HSEN CHU HSIEN, 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-847
Date of Registration : March 1, 1999
This Certificate is valid until March 31, 2002

Voluntary Control Council for Interference by
Information Technology Equipment





 National Institute of Standards and Technology
 National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
 ISO 9002:1987
 Scope of Accreditation



Page: 1 of 1

NVLAP LAB CODE 200102-0

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

ADVANCE DATA TECHNOLOGY CORPORATION
 No. 47, 14 Ling, Chia Pau Tsuen,
 Lin Kou Hsiang
 Taipei Hsien
 TAIWAN
 Mr. Harris W. Lai
 Phone: 886-2-6032180 Fax: 886-2-6022943

NVLAP Code Designation / Description

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment

December 31, 1999


 For the National Institute of Standards and Technology

NVLAP 015 (11/98)

United States Department of Commerce
 National Institute of Standards and Technology



Certificate of Accreditation



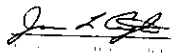
ISO/IEC GUIDE 25:1990
 ISO 9002:1987

ADVANCE DATA TECHNOLOGY CORPORATION
 TAIPEI HSIEN
 TAIWAN

is recognized under the National Voluntary Laboratory Accreditation Program for satisfaction with criteria established in Title 15, Part 285 (rule of Federal Regulations). These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002:1987 (ANSI Z39.5-1987) as suppliers of calibration test results. Accreditation is awarded for specific services listed on the Scope of Accreditation for

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS
 FCC

December 31, 1999


 For the National Institute of Standards and Technology

NVLAP Lab Code 200102-0



 National Institute of Standards and Technology
 National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
 ISO 9002:1987
 Scope of Accreditation



Page: 1 of 1

NVLAP LAB CODE 200376-0

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

ADVANCE DATA TECHNOLOGY CORPORATION HSEN CHU EMC LABORATORY
 No. 81-1, Lu Liao Kong, 9 Ling, Wu Lung
 Tzuen, Chung Lin Hsueh
 Hsien Chu Hsien
 TAIWAN
 Mr. Harris Lai
 Phone: 886-2-26032180 Fax: 886-2-26022943
 E-Mail: harris@mail.adt.com.tw

NVLAP Code Designation / Description

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

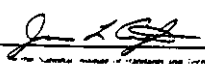
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

Australian Standards referred to by clauses in ACA Technical Standards

12/T51 AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment

March 31, 2000


 For the National Institute of Standards and Technology

NVLAP 015 (11/98)

United States Department of Commerce
 National Institute of Standards and Technology



Certificate of Accreditation



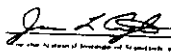
ISO/IEC GUIDE 25:1990
 ISO 9002:1987

ADVANCE DATA TECHNOLOGY CORPORATION HSEN CHU EMC LABORATORY
 HSEN CHU HSIEN
 TAIWAN

is recognized under the National Voluntary Laboratory Accreditation Program for satisfaction with criteria established in Title 15, Part 285 (rule of Federal Regulations). These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002:1987 (ANSI Z39.5-1987) as suppliers of calibration test results. Accreditation is awarded for specific services listed on the Scope of Accreditation for

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS
 FCC

March 31, 2000


 For the National Institute of Standards and Technology

NVLAP Lab Code 200376-0



Worldwide Testing and Certification

ELA 4

EMC Laboratory
Authorization

Aut. No. : ELA 112

EMC Laboratory: ADT Advance Data Technology Corporation
No. 47, 14 Ling, Chia Pau Tsen,
Lin Koa Hsing, Taipei Hsien,
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 Authorization 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 9. October 1996, an assessment was made of the relevant parts of your organization - 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 Authorization given on the accompanying page. Accordingly, Nemko will accept your test reports as a basis for assessing conformity to these EMC Standards for the products in question under either the European Union EMC Directive or the European Union Automotive EMC Directive (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 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 Authorization is valid through February 28, 1999.

Oslo, 13 March 1998

For Nemko AS:

Kjetil Bergh
Kjetil Bergh, Head of EMC Section

Print address:
P.O. Box 75, Blindern
N-0407 Oslo, Norway

Telephone: +47 22 55 55 55
Fax: +47 22 55 55 55



Worldwide Testing and Certification

ELA 4

EMC Laboratory Authorisation

Aut. No. : ELA 112

(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT-FAMILY STANDARDS

EN 50061-1, EN 50061-2	EN 50062-1, EN 50062-2	EN 55011, Gr. 1, CISPR 11
EN 55013, CISPR 13	EN 55014-1, CISPR 14-1	EN 55015, CISPR 15
EN 55022	EN 60555-2, IEC 60555-2, EN 61000-3-2, IEC 61000-3-2	EN 60555-3, IEC 60555-3, EN 61000-3-3, IEC 61000-3-3

BASIC STANDARDS

EN 61000-4-2, IEC 61000-4-2, IEC 801-2	EN 61000-4-3, ENV 50148, ENV 50204, IEC 61000-4-3, IEC 801-3	EN 61000-4-4, IEC 61000-4-4, IEC 801-4
EN 61000-4-5, IEC 61000-4-5	EN 61000-4-6, ENV 50141, IEC 61000-4-6	EN 61000-4-8, IEC 61000-4-8
EN 61000-4-11, IEC 61000-4-11		

Oslo, 13 March 1998

Kjetil Bergh
Kjetil Bergh, Nemko EMC Services

Print address:
P.O. Box 75, Blindern
N-0407 Oslo, Norway

Telephone: +47 22 55 55 55
Fax: +47 22 55 55 55

World-wide Testing and
Certification

ELA 4

EMC Laboratory
AuthorizationAut. No. : ELA 112-b
Hsin Chu EMC Laboratory

EMC Laboratory: ADT Advance Data Technology Corporation
Hsin Chu EMC Laboratory
No. 81-1, Lu Liao Kong, 9 Ling,
Wu Lung Tsean, Chung Lin Hsing,
Hsin Chu Hsien, 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 Authorization 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. Based on submitted material, an assessment has been 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 Authorization given on the accompanying page. Accordingly, Nemko will accept your test reports as a basis for assessing conformity to these EMC Standards for the products in question under the European Union EMC Directive.

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 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 Authorization is valid through February 28, 1999.

Oslo, 15 December 1998

For Nemko AS:

Kjetil Bergh
Kjetil Bergh, Head of EMC Section

Print address:
P.O. Box 75, Blindern

Telephone: +47 22 55 55 55
Fax: +47 22 55 55 55

World-wide Testing and
Certification

ELA 4

EMC Laboratory Authorisation

Aut. No. : ELA 112-b
Hsin Chu EMC Laboratory

(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT-FAMILY STANDARDS

EN 50061-1, EN 50061-2	EN 50062-1, EN 50062-2	EN 55011, Gr. 1, CISPR 11
EN 55014-1, CISPR 14-1 (except discontinuous noise)	EN 55014-2, CISPR 14-2	EN 55022, CISPR 22
EN 55024, CISPR 24	EN 60555-2, IEC 60555-2, EN 61000-3-2, IEC 61000-3-2	EN 60555-3, IEC 60555-3, EN 61000-3-3, IEC 61000-3-3

BASIC STANDARDS

EN 61000-4-2, IEC 61000-4-2,	EN 61000-4-3, IEC 61000-4-3, ENV 50204	EN 61000-4-4, IEC 61000-4-4
EN 61000-4-5, IEC 61000-4-5	EN 61000-4-6, ENV 50141, IEC 61000-4-6	EN 61000-4-8, IEC 61000-4-8
EN 61000-4-11, IEC 61000-4-11		

Oslo, 15 December 1998

Kjetil Bergh
Kjetil Bergh, Nemko EMC Services

Print address:
P.O. Box 75, Blindern

Telephone: +47 22 55 55 55
Fax: +47 22 55 55 55

憑證

經濟部商品檢驗局(函)

中華民國八十五年十月四日

受文者：誠信科技股份有限公司

行文單位：正本：誠信科技股份有限公司
副本：本局第二組(二份)、第三組、秘書室(各一份)、檢核處、各分局(均無附件)

主旨：有關貴公司電腦相關客測實驗室申請本局電腦相關客測領域認可案，業經實地抽樣結果，同意認可登錄，請查照。

說明：

一、查貴公司八十五年十月四日未列字號函。

二、認可登錄範圍如下：

實驗室名稱：誠信科技股份有限公司電腦相關客測實驗室		報告簽入人
實驗室地址：台北縣林口鄉嘉寶村(二)段二號		檢驗
認可領域代號	認可產品類別	檢驗
01-01-01	(一)資訊設備	檢驗
01-01-02	(二)資訊設備	檢驗
01-01-03	(三)資訊設備	檢驗
01-01-04	(四)資訊設備	檢驗
01-01-05	(五)資訊設備	檢驗
01-01-06	(六)資訊設備	檢驗
01-01-07	(七)資訊設備	檢驗
01-01-08	(八)資訊設備	檢驗
01-01-09	(九)資訊設備	檢驗
01-01-10	(十)資訊設備	檢驗
01-01-11	(十一)資訊設備	檢驗
01-01-12	(十二)資訊設備	檢驗
01-01-13	(十三)資訊設備	檢驗
01-01-14	(十四)資訊設備	檢驗
01-01-15	(十五)資訊設備	檢驗
01-01-16	(十六)資訊設備	檢驗
01-01-17	(十七)資訊設備	檢驗
01-01-18	(十八)資訊設備	檢驗
01-01-19	(十九)資訊設備	檢驗
01-01-20	(二十)資訊設備	檢驗

三、本實驗室認可期限三年，自八十五年十月二十一日起至八十八年十月二十一日止，評核逾壹年者，得視需要增加檢量次數，惟首次送查件數於六個月內執行。

四、上開已認可領域如有變更事項，請於變更日起二週內函送相關資料至本局辦理。

五、貴公司執行本局指定之檢驗業務，依「商品檢驗法」第二十六條規定以執行公務。

六、檢送「商品電腦相關客測實驗室認可管理作業要點」乙份。

七、檢送「商品電腦相關客測實驗室認可報告」格式乙份，請自行印製使用。

局長許鵬翔

機關分局負責規定檢驗單位主管執行

憑證

經濟部商品檢驗局(函)

中華民國八十六年二月二十一日

受文者：誠信科技股份有限公司

附件如文

行文單位：正本：誠信科技股份有限公司
副本：本局第二組(二份)、第三組、資訊室(請刊登於國際網路)、秘書室(各一份)、檢核處、各分局(均無附件)

主旨：有關貴公司電腦相關客測實驗室申請本局電腦相關客測領域增列認可案，業經實地抽樣結果，同意認可登錄，請查照。

說明：

一、查貴公司八十六年二月二十一日未列字號函。

二、認可登錄範圍如下：

實驗室名稱：誠信科技股份有限公司電腦相關客測實驗室		實驗室地址：台北縣林口鄉嘉寶村(二)段二號	
認可代號	認可產品類別	報告簽入人	
S1-1-2-E-03	(一) 廣播接收機與相關產品 (收音機、電視、錄影機)	賴瑞瑾	
S1-1-2-E-03	(二) 廣播接收機與相關產品 (收音機、錄影機)	賴瑞瑾	
S1-1-2-E-03	(三) 廣播接收機與相關產品 (收音機、錄影機)	賴瑞瑾	
外檢標準：ISO Guide 25 (1990 年版)			

三、本實驗室認可期限自八十六年七月七日起至八十八年十月二十一日止，評核逾壹年者，得視需要增加檢量次數，惟首次送查件數於六個月內執行。

四、上開已認可領域如有變更事項，請於變更日起二週內函送相關資料至本局辦理。

五、貴公司執行本局指定之檢驗業務，依「商品檢驗法」第二十六條規定以執行公務。

六、檢送「商品電腦相關客測實驗室認可報告」格式乙份，請自行印製使用。

局長陳佐鎮

機關分局負責規定檢驗單位主管執行



DET NORSKE VERITAS STATEMENT OF RECOGNITION

STATEMENT No. 413 - 99 - LAB12
The statement consists of 3 pages

This is to certify that the
EMC AND SAFETY LABORATORIES

with
ADT

The main office with legal identity
ADT Corporation, No. 47, 14 Ling, Chiapas Tsuen,
Lin Kou Hsiang, Taipei Hsien, Taiwan, R.O.C.

has been found to comply with the requirements of DNV towards subcontractors of EMC
and Safety testing services in conjunction with the EMC and Low Voltage Directives and in
the voluntary field.

The acceptance is based on a formal Quality Audit and follow-ups according to relevant parts of
EN 45001 and ISO/IEC Guide 25, in accordance with the requirements of the DNV Laboratory
Quality Manual towards subcontractors.

Place and date:
Havik, 23 February, 1999
for Det Norske Veritas AS
(Headed Body no. 575/434)

This Statement is valid until
23 February, 2000

Arvid Weslin
Arvid Weslin
Head of Section



A. L. O. L.
A. L. O. L.
Lead Auditor

These two statements are subject to review and monitoring activities. Any significant change in the laboratory facilities or in the quality system may require this statement to be revised.



Statement No.: 413 - 99 - LAB12

Audit information

Initial audit:

- Date of Audit: 1998-11-18 and 1998-11-19
- Initial Audit Report: 1998-11-22
- Closing of Non-conformities: 99-02-12

Site Audited

Lin Kou EMC Laboratory:
No. 47, 14 Ling, Chiapas Tsuen, Lin Kou Hsiang, Taipei Hsien, Taiwan, R.O.C.

Hsin Chu EMC Laboratory:
No. 81-1, Lu Lin Keng, 9 Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu, Hsien,
Taiwan, R.O.C.

Lin Kou Safety Laboratory:
No. 46, Lane 504, Chang Hsiao Road, Lin Kou Hsiang, Taipei, Taiwan, R.O.C.

Scope of recognition

EMC testing according to the following standards:

- EN 50061-1/-2
- EN 50062-1/-2
- EN 55011 / CISPR 11
- EN 55013 / CISPR 13
- EN 55014-1/-2 / CISPR 14-1/-2
- EN 55015 / CISPR 15
- EN 55022 / CISPR 22
- EN 61000-3-2 / IEC 1000-3-2 / EN 60555-2 / IEC 555-2
- EN 61000-3-3 / IEC 1000-3-3 / EN 60555-3 / IEC 555-3
- EN 61000-4-2 / IEC 1000-4-2 / IEC 801-2
- EN 61000-4-3 / IEC 1000-4-3 / EN 50140 / IEC 801-3
- EN 61000-4-4 / IEC 1000-4-4 / IEC 801-4
- EN 61000-4-5 / IEC 1000-4-5 / EN 50142
- EN 61000-4-6 / IEC 1000-4-6 / EN 50141
- EN 61000-4-8 / IEC 1000-4-8
- EN 61000-4-11 / IEC 1000-4-11

Safety testing according to the following standards:

- EN 60065 / IEC 65
- EN 60950 / IEC 950

Applications/Limitations

Testing of single- and three phase systems

DET NORSKE VERITAS AS

Postboks 28, 2000
Havik, Norway

VERITAS/VERITAS 1. 1998 HAVIK, NORWAY

T:COMPAN1999_0199AALBCW.DOC

FAX: (+47) 07 37 30 00

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ENG 3.9
AJD

6th January 1999

Advance Data Technology Corporation
No. 47
14 Ling
Chiapas Tsuen
Lin Kou Hsiang
Taiwan
R.O.C.

Attention: Ms Sharon Hsiung

Dear Ms Hsiung

LABORATORY APPROVAL

Thank you for your submission of 5th January regarding the re-certification of
your testing laboratory to the Ministry of Commerce's laboratory approval
criteria.

I am pleased to advise that your submission has been successful and your
approval has been extended until 30th June 1999. At this time, the Approved
Laboratory scheme will cease operation with the implementation of the new
radio communications 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

Brian Emmett
Brian Emmett

Technical Officer (Regulatory)
e-mail: brian.emmett@mcc.govt.nz

RADIO SPECTRUM MANAGEMENT GROUP

Operations and Risk Management Branch, 1st Floor, 12 Market Street, Auckland, New Zealand
Tel: 09 5542 2200 Fax: 09 5542 2201



Certificate of Assessment

This is to Certify

The **ADVANCE DATA TECHNOLOGY CORP.**

has been approved as a supplier of
**"EMC TESTING
SERVICES"**

and in particular for specifications implemented by

The EC DIRECTIVE on EMC

SGS EMC SERVICES

in accordance with
SGS Laboratory Approval Scheme

The scope of approval is detailed in the

Schedule of Assessment

SGS EMC Services
Smith Hill East
Bournemouth
Dorset
DNV S&D
UNITED KINGDOM

Issued
For and on behalf of
SGS EMC Services
J. S. WILEY
General Manager
Date: 07/03/96