Certificate of Compliance

We, **ADVANCE DATA TECHNOLOGY CORP.,** hereby certify that:

The product : CPU BOARD

Trade Name : AAEON

Model No. : SBC-357

Applicant : AAEON TECHNOLOGY INC.

one sample of the designation has been tested in our facility on Oct. 6, 1999. The data, data evaluation, represented in our report No.: **F87071506A** are true and accurate representation of the measurements of the sample's emission characteristics under the conditions in following

Standards: FCC Part 15, Subpart B, Class A
CISPR 22: 1993+A1: 1995+A2: 1996, Class A
ANSI C63.4-1992

Mike Su / Project Manager

Issue Date: Oct. 13, 1999

ADVANCE DATA TECHNOLOGY CORP.

ADT CORP.

Head office: 11F, NO. 1, SEC. 4, NAN-KING EAST RD., TAIPEI, TAIWAN, R.O.C.
TEL: (02) 2603-2180 FAX: (02) 2602-2943 http: //www.adt.com.tw e-mail: service@mail.adt.com.tw

ADT CORP.

TEL:(02)2603-2180-3 FAX:(02)2602-2943

TEST REPORT & CERTIFICATION SERVICES QUESTIONNAIRE

We, ADT Corp., would like to provide you a high quality report and certification in a timely manner. To achieve this goal, we would like you to response to the brief questions listed below in this questionnaire. Therefore your feed back is vital to us in order to determine how good our services are, and what areas could be improved.

Please indicate beside each question what you feel is the rating. Also, feel free to make comments and suggestions directly on this questionnaire, or by attaching separate sheet. The completed form should then be returned by mail or FAX to ***Harris W. Lai***, *Director. Your cooperation and effort are truly appreciated.*

TEST REPORT NUMBER : _____

	YES	NO
1. Was the information presented clearly	[ ]	[ ]
2. Was the report complete ?	[ ]	[ ]
3. Was the report timely ?	[ ]	[ ]
4. Did the report satisfy your requirement ?	[ ]	[ ]
5. Was the Certification (if any) completed in the scheduled time ?	[ ]	[ ]

Your working field ? [ ] Engineering [ ] Manufacturing
[ ] Marketing [ ] Other

YOUR CONTACT INFORMATION (OPTIONAL) :

OPTIONAL COMMENTS :

EMC

TEST REPORT

REPORT NO. : F87071506A

MODEL NO. : SBC-357

DATE OF TEST : Oct. 6, 1999

PREPARED FOR: AAEON TECHNOLOGY INC.

ADDRESS : 1F, NO. 6, ALLEY 6, LANE 45, PAO-HSIN RD.,
HSIN-TIEN CITY, TAIPEI, TAIWAN, R.O.C.

PREPARED BY: ADVANCE DATA TECHNOLOGY CORPORATION

NVLAP®
Accredited Laboratory

11F, NO.1, SEC.4, NAN-KING EAST RD.,
TAIPEI, TAIWAN, R.O.C.

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1. CERTIFICATION

Issue Date: Oct. 13, 1999
Reference No.: 88100601

Product	:	CPU BOARD
Trade Name	:	AAEON
Model No.	:	SBC-357
Applicant	:	AAEON TECHNOLOGY INC.
Standard	:	FCC Part 15, Subpart B, Class A ANSI C63.4-1992 CISPR 22: 1993+A1: 1995+A2: 1996, Class A

We hereby certify that one sample of the designation has been tested in our facility on Oct. 6, 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 A limits of conducted and radiated emission of applicable standards.

TESTED BY : Kenny Meng , DATE: 10/13/99
(Kenny Meng)

CHECKED BY : _____ , DATE: 10/13/99
(Yemmy Soong)

APPROVED BY : Mike Su , DATE: 10/13/99
(Mike Su)

ADVANCE DATA TECHNOLOGY CORPORATION

NVLAP
Accredited Laboratory

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product	:	CPU BOARD
Model No.	:	SBC-357
Power Supply	:	Switching (from PC)

Note: This report is a supplementary report of the original one (ADT report no. F87071506) issued on Aug. 6, 1998 to verify test result for some electronic and mechanical changes. The main difference is on the EUT Chip set model: ALI-6177.

During the test, the EUT was installed in a metal enclosure with a slot board to form an industrial PC.

The EUT was tested under the following configurations:

CPU (on board)	ALI , model: ALI M6117C 80MHz (40x2MHz)
HDD	SEAGATE, ST34520A, 4.5GB
CHASSIS	AMPC-106
MEMORY	32MB EDO
BACKPLANE	AAEON, BP-206S
SPS	ZIPPY, EPZ-4150F

The EUT has a resolution up to 1024x768, 256 color.

For more detailed features description, please refer to Manufacturer's Specification or User's Manual.

2.2 DESCRIPTION OF SUPPORT UNITS

The EUT was installed into a system and tested together with necessary accessories or support units during the test. 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	COLOR MONITOR	HP	D2846	FCC DoC Approved	Nonshielded Signal (1.5m) Shielded Power (1.8m)
2	PRINTER	HP	2225C+	DSI6XU2225	Nonshielded Signal (1.2m) Shielded Power (1.2m)
3	MODEM x3	ACEEX	1414	IFAXDM1414	Shielded signal (1.2m) Nonshielded Power (1.2m)
4	KEYBOARD	FORWARD	FDA-104GA	F4ZDA-104G	Shielded Signal (1.4m)
5	MOUSE	LOGITECH	M-M30	LTR63600782	Shielded signal (2.0m)

2.3 TEST METHODOLOGY AND CONFIGURATION

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)

CONDUCTED EMISSION MEASUREMENT

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
ROHDE & SCHWARZ Test Receiver	ESHS30	828765/002	Aug. 2, 2000
ROHDE & SCHWARZ Artificial Mains Network	ESH2-Z5	828075/003	July 21, 2000
EMCO-L.I.S.N.	3825/2	90031627	July 21, 2000
Shielded Room	Site 5	ADT-C05	NA

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.

RADIATED EMISSION MEASUREMENT

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
HP Spectrum Analyzer	8590L	3544A01176	April 22, 2000
HP Preamplifier	8447D	2944A08485	April 21, 2000
HP Preamplifier	8347A	3307A01088	Aug. 30, 2000
ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Aug. 30, 2000
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 25, 1999
CHASE BILOG Antenna	CBL6112A	2221	Aug. 4, 2000
EMCO Turn Table	1060	1115	NA
SHOSHIN Tower	AP-4701	A6Y005	NA
Open Field Test Site	Site 5	ADT-R05	July 30, 2000

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.

3.2 LIMITS OF CONDUCTED AND RADIATED EMISSION

LIMIT OF RADIATED EMISSION OF CISPR 22

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

* Detector Function: Quasi-Peak

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

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Peak	Average	Peak	Average
Above 1000	80.0	60.0	74.0	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	:	120 Vac, 60 Hz
Temperature	:	28 ℃
Humidity	:	52 %
Atmospheric Pressure	:	987 mbar

TEST RESULT	Remarks
PASS	Minimum passing margin of conducted emission: -16.3 dB at 0.171 MHz Minimum passing margin of radiated emission: -2.5 dB at 119.58 MHz

4.2 EUT OPERATION CONDITION

1. Turn on the power of all equipment.
2. Industrial PC reads a test program to enable all functions.
3. Industrial PC reads and writes messages from HDD.
4. Industrial PC sends "H" messages to monitor and monitor display "H" patterns on screen.
5. Industrial PC sends "H" messages to modems.
6. Industrial PC sends "H" messages to printer, and the printer prints them on paper.
7. Repeat steps 2-7.

4.3 TEST DATA OF CONDUCTED EMISSION

EUT: **CPU BOARD** MODEL: **SBC-357**

6 dB Bandwidth: 10 kHz PHASE: LINE (L)

Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.171	0.2	61.4	-	61.6	-	79.0	66.0	-17.4	-
0.216	0.2	53.1	-	53.3	-	79.0	66.0	-25.7	-
0.264	0.2	46.6	-	46.8	-	79.0	66.0	-32.2	-
0.312	0.2	41.4	-	41.6	-	79.0	66.0	-37.4	-
13.715	1.0	47.2	-	48.2	-	73.0	60.0	-24.8	-
20.041	1.3	41.4	-	42.7	-	73.0	60.0	-30.3	-

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

ADT CO. Shielded Room 5
CISPR 22 CLASS A

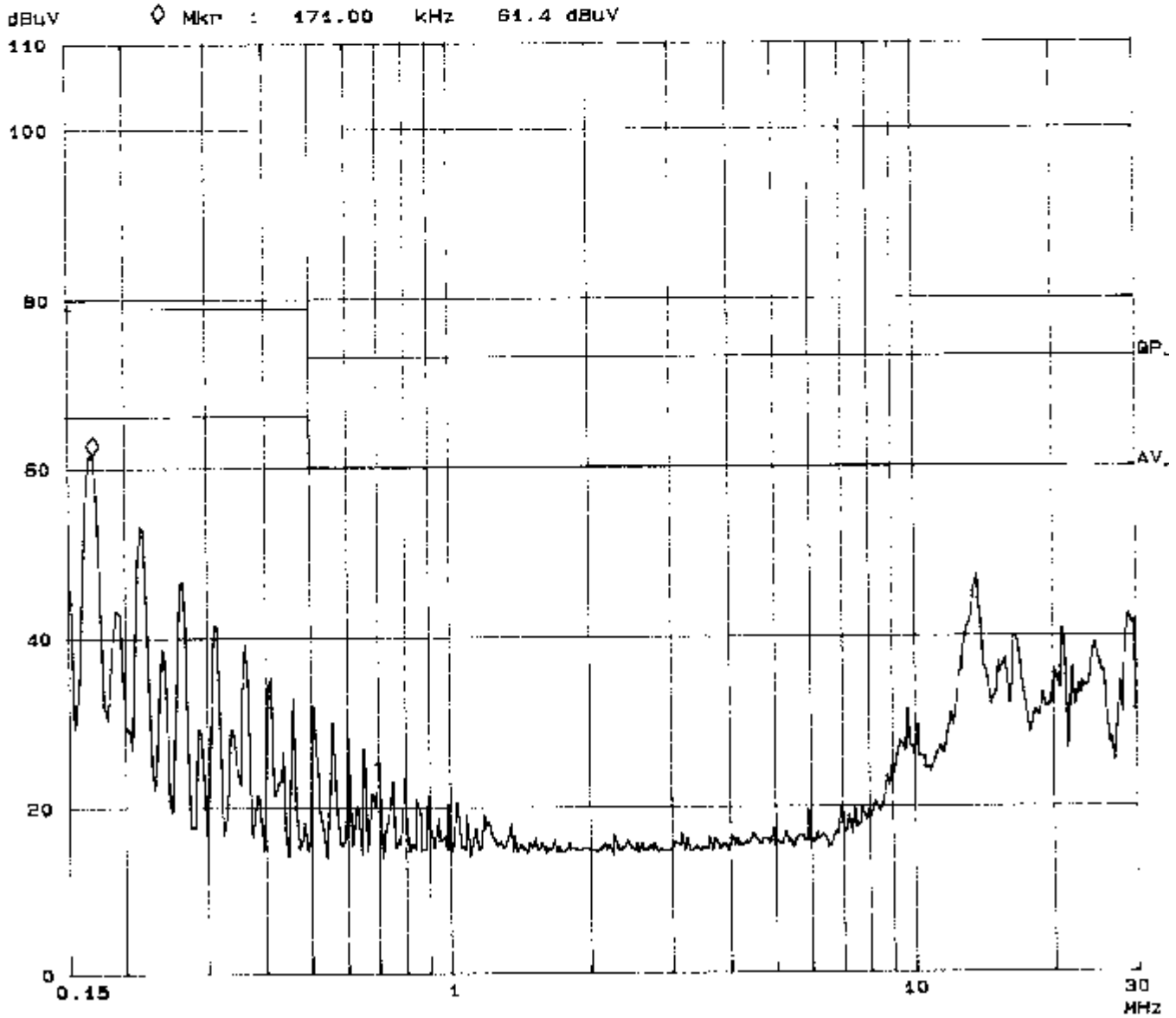
08. Oct 99 13:32

Report No. F770715064
Page 9-1
Tested by Kenny Meng

EUT: SBC-367
Test Spec: LISN : L

Test Scan Settings (3 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Presmp	OpRge
150k	450k	3k	10k	PK	0.05ms	10dBLN	OFF	60dB
450k	5M	3k	10k	PK	0.05ms	10dBLN	OFF	60dB
5M	30M	3k	10k	PK	0.05ms	10dBLN	OFF	60dB



TEST DATA OF CONDUCTED EMISSION

EUT: **CPU BOARD** MODEL: **SBC-357**

6 dB Bandwidth: 10 kHz PHASE: NEUTRAL (N)

Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.171	0.2	62.5	-	62.7	-	79.0	66.0	-16.3	-
0.216	0.2	55.0	-	55.2	-	79.0	66.0	-23.8	-
0.264	0.2	50.1	-	50.3	-	79.0	66.0	-28.7	-
0.312	0.2	45.2	-	45.4	-	79.0	66.0	-33.6	-
13.715	0.7	45.5	-	46.2	-	73.0	60.0	-26.8	-
20.041	1.1	40.0	-	41.1	-	73.0	60.0	-31.9	-

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

ADT CO. Shielded Room 5

06. Oct 98 13:39

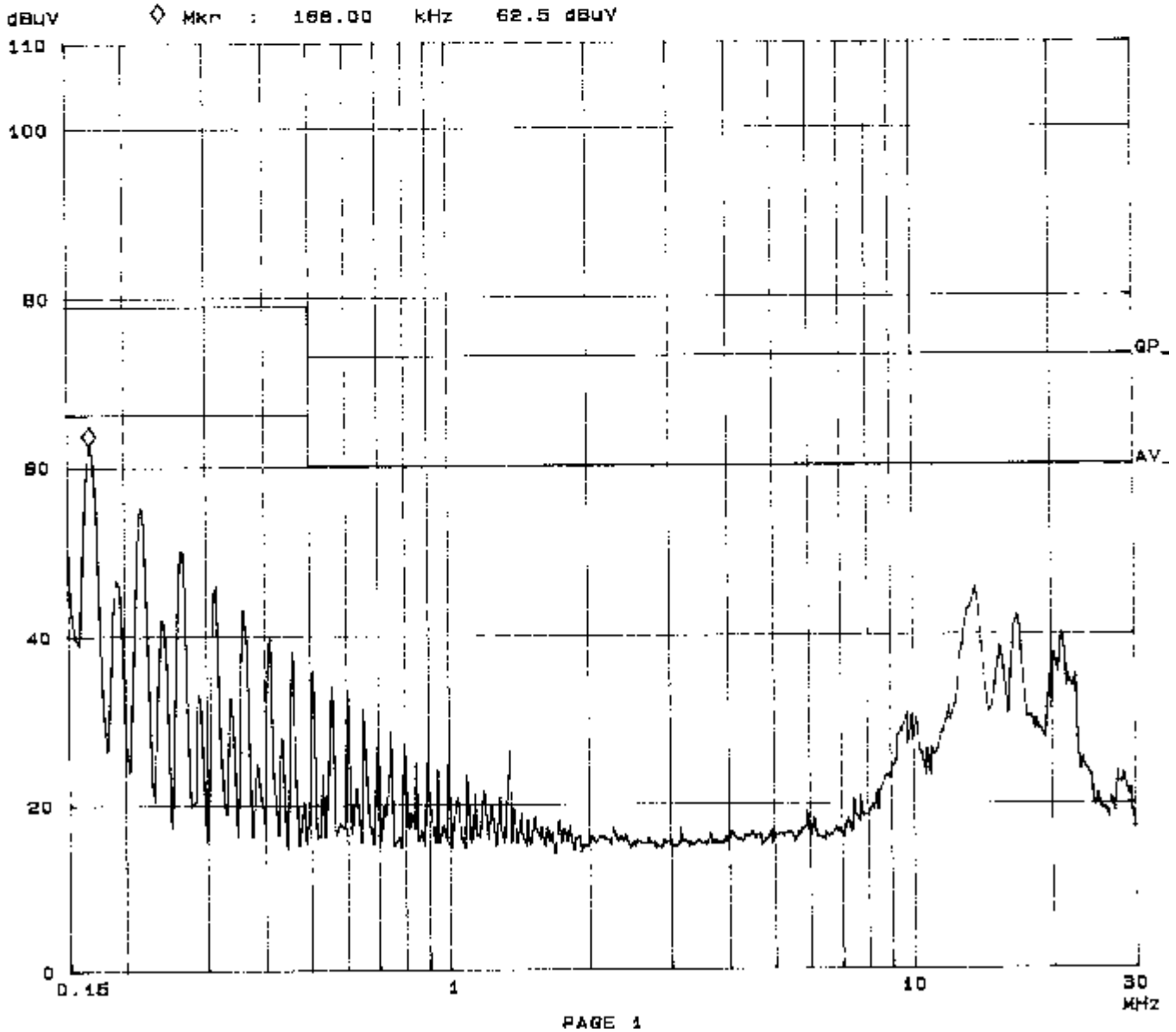
CISPR 22 CLASS A

EUT: SBC-357
Test Spec: LISN : N

Report No. F 870715O6A
Page 10-1
Tested by Kenny Heng

Test Scan Settings (3 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	450k	3k	10k	PK	0.05ms	10dBLN	OFF	60dB
450k	5M	3k	10k	PK	0.05ms	10dBLN	OFF	60dB
5M	30M	3k	10k	PK	0.05ms	10dBLN	OFF	60dB



4.4 TEST DATA OF RADIATED EMISSION

EUT: **CPU BOARD** MODEL: **SBC-357**

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 (cm)	Table Angle (Degree)
110.16	12.3	18.5	30.8	40.0	-9.2	388	233
113.30	12.5	18.7	31.2	40.0	-8.8	388	233
119.59	12.9	18.9	31.8	40.0	-8.2	399	262
160.48	11.6	17.1	28.7	40.0	-11.3	399	237
182.51	10.7	18.6	29.3	40.0	-10.7	400	278
191.95	10.4	18.8	29.2	40.0	-10.8	391	291
195.11	10.3	20.3	30.6	40.0	-9.4	400	199
220.28	11.6	18.7	30.3	40.0	-9.7	400	272

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: **CPU BOARD** MODEL: **SBC-357**

ANT. POLARITY: Vertical

DETECTOR FUNCTION: Quasi-peak 6 dB BANDWIDTH: 120 kHz

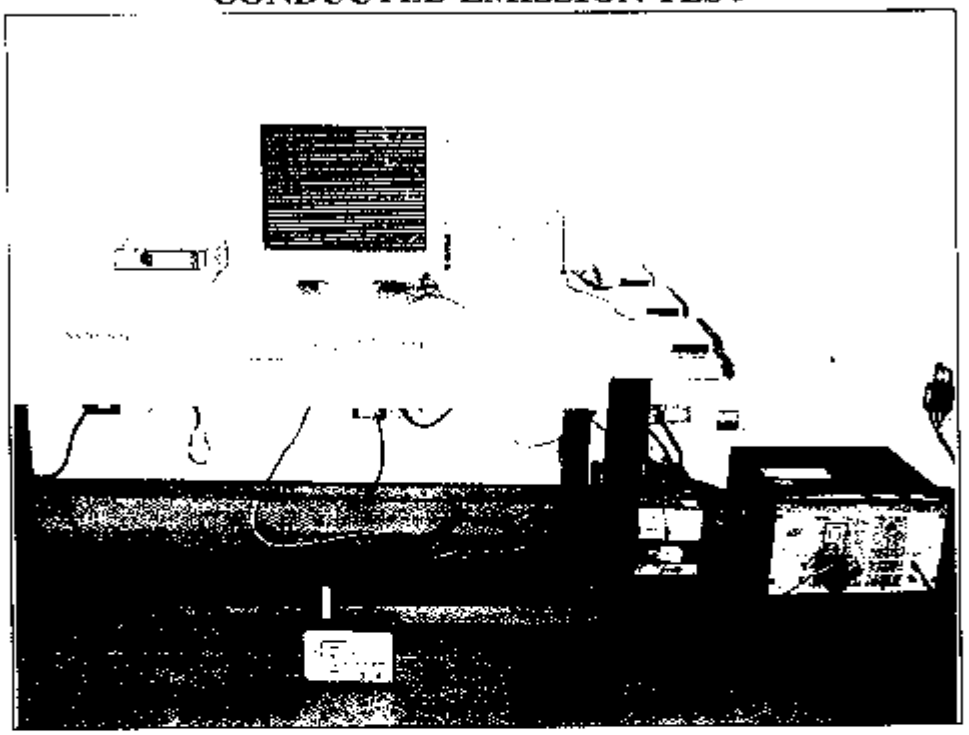
FREQUENCY RANGE: 30-1000 MHz MEASURED DISTANCE: 10 M

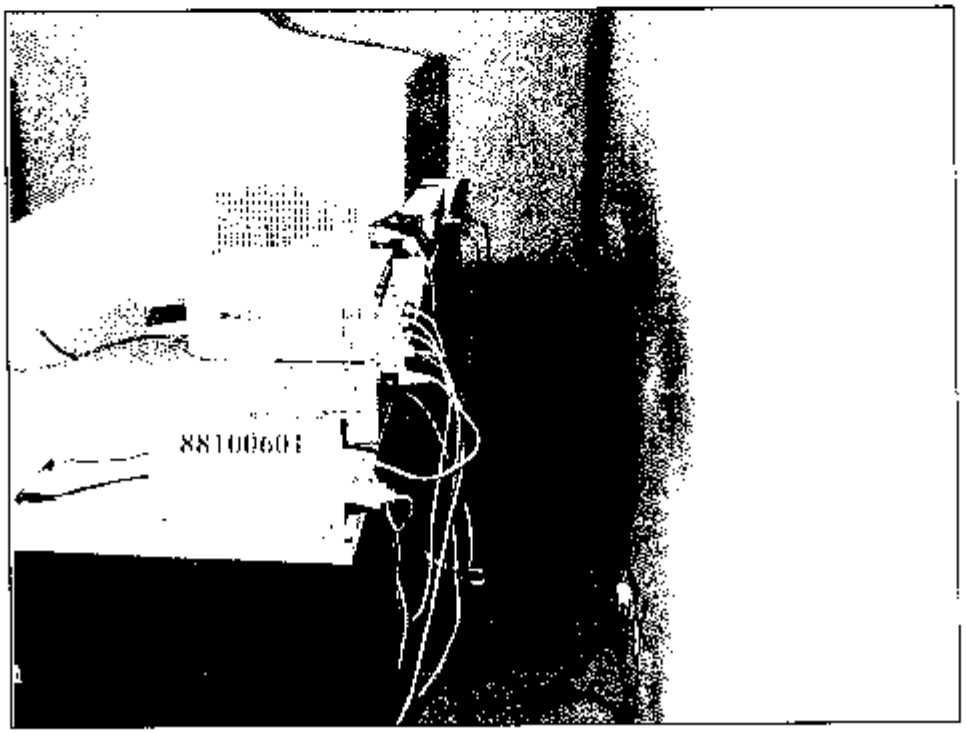
Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
110.15	12.3	22.6	34.9	40.0	-5.1	100	123
113.33	12.5	22.6	35.1	40.0	-4.9	100	287
116.44	12.7	21.6	34.3	40.0	-5.7	100	287
119.58	12.9	24.6	37.5	40.0	-2.5	100	262
125.88	12.8	20.1	32.9	40.0	-7.1	100	326
132.17	12.7	18.5	31.2	40.0	-8.8	100	204
182.50	10.7	25.7	36.4	40.0	-3.6	100	300
191.94	10.4	23.9	34.3	40.0	-5.7	100	349
195.10	10.3	20.3	30.6	40.0	-9.4	100	265
220.28	11.6	18.7	30.3	40.0	-9.7	100	346

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

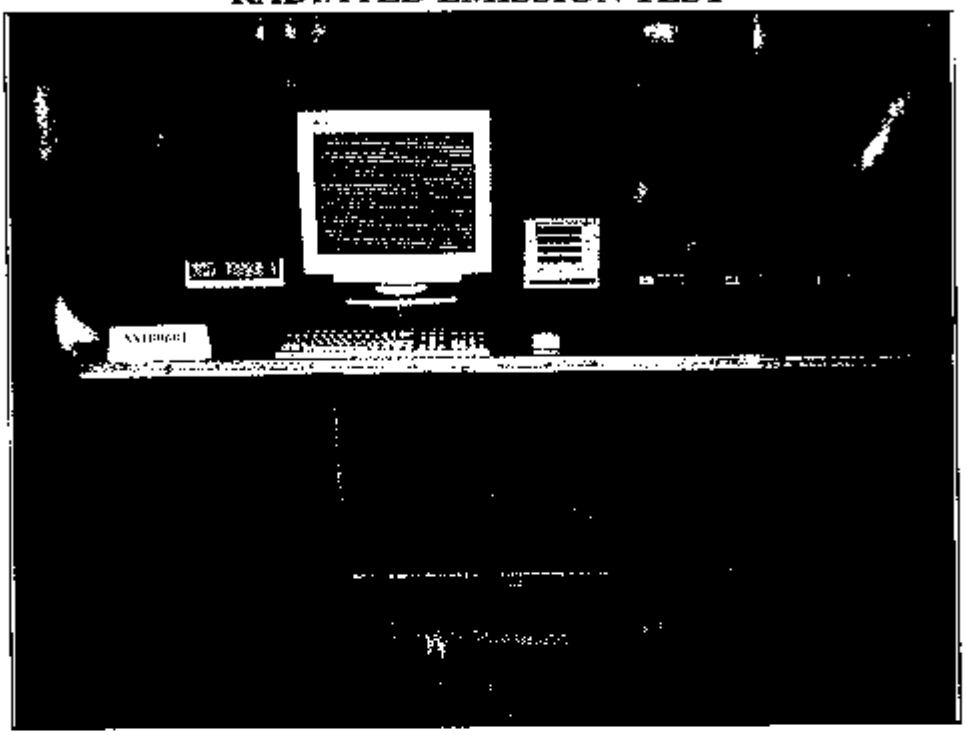
5. PHOTOGRAPHS OF THE TEST CONFIGURATION WITH MINIMUM MARGIN

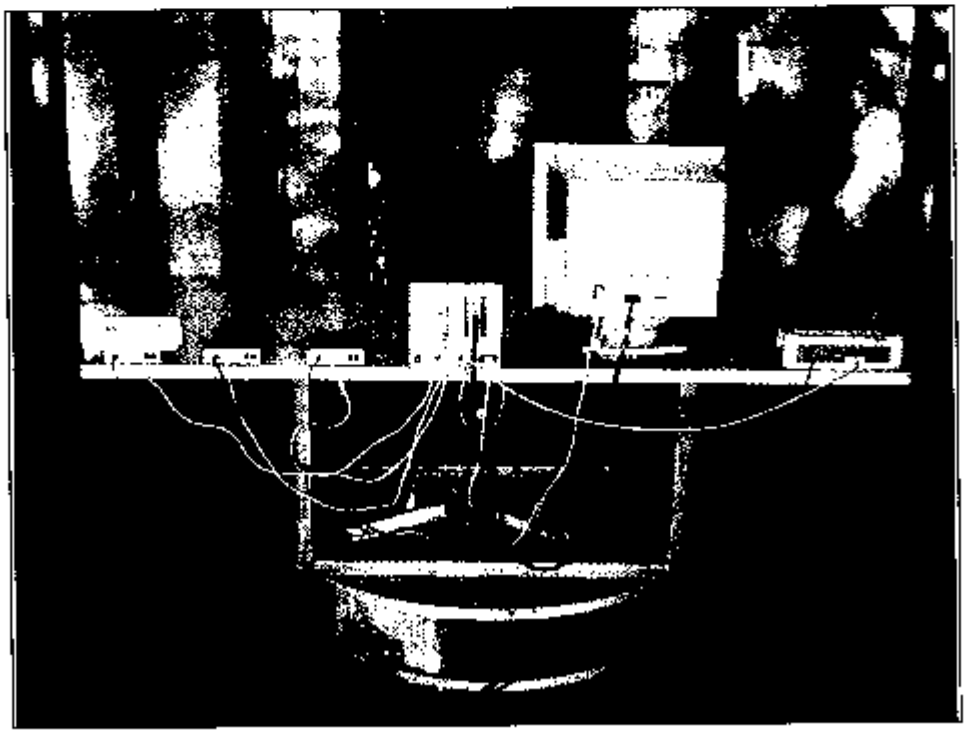
CONDUCTED EMISSION TEST





RADIATED EMISSION TEST





6. APPENDIX - INFORMATION OF THE TESTING LABORATORY

Information of the testing laboratory

We, ADT Corp., are founded in 1988, to provide our best service in EMC and Safety consultation. Our laboratory is accredited by the following approval agencies according to ISO/IEC Guide 25 or EN 45001:

• USA	FCC, UL, NVLAP
• Germany	TUV Rheinland
	TUV Product Service
• Japan	VCCI
• New Zealand	RFS
• Norway	NEMKO, DNV
• U.K.	INCHCAPE
• R.O.C.	BSMI

Enclosed please find some certificates of our laboratory obtained from approval agencies. If you have any comments, please feel free to contact us with the following:

Lin Kou EMC Lab.:
Tel: 886-2-26032180
Fax: 886-2-26022943

Hsin Chu EMC Lab:
Tel: 886-35-935343
Fax: 886-35-935342

Lin Kou Safety Lab.:
Tel: 886-2-26093195
Fax: 886-2-26093184

Design Center:
Tel: 886-2-26093195
Fax: 886-2-26093184

E-mail: **service@mail.adt.com.tw**
http://www.adt.com.tw

FEDERAL COMMUNICATIONS COMMISSION

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

October 21, 1998

In reply refer to
31040/SIT
1300F2

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

Attention Hsiao 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 the 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. The 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
Electronics Engineer
Customer Service Branch

Enclosure
PAL-1N

FEDERAL COMMUNICATIONS COMMISSION

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

September 15, 1999

In reply refer to
31040/SIT
1300F2

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

Attention: Hsiao Lai

Re: Measurement facility located at Lin Kou Area 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 the 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.

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Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

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

April 17, 1998

In reply refer to
31040/SIT
1300F2

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

Attention Hsiao 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 the 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. The 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
Electronics Engineer
Customer Service Branch

Enclosure
PAL-1N

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

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 Hsiao W. Lai

Re: Measurement facility 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 the 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. The 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
Electronics Engineer
Customer Service Branch

Enclosure
PAL-1N

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1585 Fax: 410
Facsimile: 301-344-2050

February 25, 1998

In Reply Refer To:
1180-03-F
1180-01

Advanced Data Technology Corporation
10F No. 1, Sec. 4, Nan-King E. Rd
Taipei, Taiwan

Attention: Hanna W. Liu

Re: Measurement facility located at above address, Site No. 3
(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 connection with applications for certification or registration under Parts 15 or 18 of the Commission's Rules. Our review also indicates that the facility complies with the required site VSWR criteria contained in ANSI C63.4-1992. Please note that the filing is to be updated for any changes made to the facility, and at least every three years. No date will be marked as current.

Per your request, the above mentioned facility has been accepted on an interim basis to 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/oet/info/database/alabs/.

Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1585 Fax: 410
Facsimile: 301-344-2050

July 18, 1998

In Reply Refer To:
1180-03-F
1180-01

Advanced Data Technology Corporation
10F No. 1, Sec. 4
Nan-King East Road
Taipei, Taiwan R.O.C.

Attention: Hanna W. Liu

Re: Measurement facility located at No. 3, 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 connection with applications for certification or registration under Parts 15 or 18 of the Commission's Rules. Our review also indicates that the facility complies with the required site VSWR criteria contained in ANSI C63.4-1992. Please note that the filing is to be updated for any changes made to the facility, and at least every three years. No date will be marked as current.

Per your request, the above mentioned facility has been accepted on an interim basis to perform these measurement services for the public on a fee basis. This list is updated monthly and is available on the Internet at the FCC Website www.fcc.gov/oet/info/database/alabs/.

Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

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

December 11, 1998

In Reply Refer To: 1180-03-F

Advanced Data Technology Corporation
10F No. 1, Sec. 4
Nan-King East Road
Taipei, Taiwan R.O.C.

Attention: Hanna Liu

Re: Measurement facility located at No. 3, 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 connection with applications for certification or registration under Parts 15 or 18 of the Commission's Rules. Please note that the filing is to be updated for any changes made to the facility, and at least every three years. No date will be marked as current.

Per your request, the above mentioned facility has been added to our list of Public Access Links (PAL), and the date of acceptance is now listed. A copy of the list is available on the Internet at the FCC Website www.fcc.gov/oet/info/database/alabs/ (Equipment Authorization Electronic Filing).

Sincerely,

Thomas W. Phillips
Electronics Engineer

CERTIFICATE

Facility: NO. 1 SITE
(Radiation 3 and 10 meter site)
Company : Advance Data Technology Corp.
Address : No.45, 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-336
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.45, 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-337
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
(Conducted Interference Measurement)
Company : Advance Data Technology Corp.
Address : No.45, 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.45 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-506
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 : 3rd F, CHIA PAO 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, 3 LONG, WU LUNG TSUEN,
CHUNG LUN HSIANG, HSIN 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
: Condcuted Interference Measurement)
Company : Advance Data Technology Corp.
Address : NO. 81-1, LU LIAO KENG, 3 LONG, WU LUNG TSUEN,
CHUNG LUN HSIANG, HSIN 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-837
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 3
(Radiation 3 and 10 meter site)
Company : ADVANCE DATA TECHNOLOGY CORPORATION
Address : NO. 81-1, LU LIAO KENG, 3 LONG, WU LUNG TSUEN,
CHUNG LUN HSIANG, HSIN 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

World-wide Testing and Certification

EMC Laboratory Authorization

Aut. No.: ELA 112-b

Taipei Hsien EMC Laboratory

EMC Laboratory: ADT Advance Data Technology Corporation
No. 11, Ln. 344, Hsin Ya Rd.
Lu Chu Hsiang, Taipei Hsien
Taiwan R.O.C.

Scope of Authorization: All CENELEC standards (EN) for EMC that are given in 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 assessed against EN 45001 and found to be competent. The laboratory has duly fulfilled the requirements described in Nemko Document ELA 19. Based on the most recent audit, and test data submitted by the laboratory, it is assessed that the technical and quality standards of the organization, test personnel, test facilities, test equipment, and quality manual, meet the requirements of the above mentioned standards. It is the responsibility of the EMC Laboratory to maintain the standards mentioned above, and to assure conformity of these EMC Standards for the particular equipment under the European Union EMC Directive.

In case an application for Product Certification is to be made by Nemko, the EMC Laboratory's test reports will be accepted by Nemko Group as outlined in the Agreement Form submitted by the manufacturer.

In order to maintain the authorization, the laboratory agrees to be assessed annually. If it is found that the laboratory no longer meets the requirements of the standards mentioned above, Nemko will inform the EMC Laboratory which will then withdraw the authorization. The authorization may at any time be withdrawn. Any questions are to be directed to Nemko A/S, Oslo.

The Authorization is valid from date of issue.

Oslo, 15 September 1995

For Nemko A/S

Kari Bergh, Head of EMC Section

World-wide Testing and Certification

EMC Laboratory Authorisation

Aut. No.: ELA 112-a

Lu Chu EMC Laboratory

(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT FAMILY STANDARDS

BASIC STANDARDS

Oslo, 15 September 1995

Kari Bergh, Head of EMC Section

World-wide Testing and Certification

EMC Laboratory

Authorization

Aut. No.: ELA 112-b

Hsin Chu EMC Laboratory

EMC Laboratory: ADT Advance Data Technology Corporation
No. 11-1, Ln. Lao Kang, 3 Lng.
Wu Jung Town, Chung Lin Tsung,
Hsin Chu Hsien, Taiwan R.O.C.

Scope of Authorization: All CENELEC Standards (EN) for EMC that are given in 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 assessed against EN 45001 and found to be competent. The laboratory has duly fulfilled the requirements described in Nemko Document ELA 19. Based on the most recent audit, and test data submitted by the laboratory, it is assessed that the technical and quality standards of the organization, test personnel, test facilities, test equipment, and quality manual, meet the requirements of the above mentioned standards. It is the responsibility of the EMC Laboratory to maintain the standards mentioned above, and to assure conformity of these EMC Standards for the particular equipment under the European Union EMC Directive.

In case an application for Product Certification is to be made by Nemko, the EMC Laboratory's test reports will be accepted by Nemko Group as outlined in the Agreement Form submitted by the manufacturer.

In order to maintain the authorization, the laboratory agrees to be assessed annually. If it is found that the laboratory no longer meets the requirements of the standards mentioned above, Nemko will inform the EMC Laboratory which will then withdraw the authorization. The authorization may at any time be withdrawn. Any questions are to be directed to Nemko A/S, Oslo.

The Authorization is valid from date of issue.

Oslo, 15 September 1995

For Nemko A/S

Kari Bergh, Head of EMC Section

World-wide Testing and Certification

EMC Laboratory Authorisation

Aut. No.: ELA 112-b

Hsin Chu EMC Laboratory

(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT FAMILY STANDARDS

BASIC STANDARDS

Oslo, 15 September 1995

Kari Bergh, Head of EMC Section

National Institute of Standards and Technology

NVLAP

National Voluntary Laboratory Accreditation Program

Scope of Accreditation

Page 1 of 1

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

NVLAP LAB CODE 200324-0

ADVANCE DATA TECHNOLOGY CORPORATION

No. 47, Jin Long, Chia Pau Town

Liu Kuo Hsiang

Pingtung

TAIWAN

Mr. Harris W. Liu

Phone: 886-8-8657196 Fax: 886-8-8652943

NVLAP Code Designation / Description

International Special Committee on Radio Interference (CISPR) Methods

12/CISPR	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/TS1	AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment

March 21, 2000

Effective Date

United States Department of Commerce
National Institute of Standards and Technology

NVLAP

Certificate of Accreditation

ADVANCE DATA TECHNOLOGY CORPORATION

Pingtung

TAIWAN

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

FCC

March 21, 2000

Effective Date

National Institute of Standards and Technology

NVLAP

National Voluntary Laboratory Accreditation Program

Scope of Accreditation

Page 1 of 1

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

NVLAP LAB CODE 200376-0

ADVANCE DATA TECHNOLOGY CORPORATION HSIN CHU EMC LABORATORY

No. 31-1, Liu Tuei Keng, Yi Ling, Wu Liang

Tuien, Chiung Lin Hsiang

Hsin Chu Hsien

TAIWAN

Mr. Harris Liu

Phone: 886-3-5903580 Fax: 886-3-5903641

E-Mail: harris@mail.adt.com.tw

NVLAP Code Designation / Description

International Special Committee on Radio Interference (CISPR) Methods

12/CISPR	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/TS1	AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment

March 21, 2000

Effective Date

United States Department of Commerce
National Institute of Standards and Technology

NVLAP

Certificate of Accreditation

ADVANCE DATA TECHNOLOGY CORPORATION HSIN CHU EMC LABORATORY

Hsin Chu Hsien

TAIWAN

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

FCC

March 21, 2000

Effective Date

中華民國 年 月 日

第 號

公司章程

中華民國 年 月 日

第 號

公司章程

DET NORSKE VERITAS

STATEMENT OF RECOGNITION

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

This is to confirm that the

EMC AND SAFETY LABORATORIES

of

ADT

The tests reflect such legal adverse

ADT Corporation, No. 47, 14 Ling, Chiapau Tsuen,
Lin Kou Hsiang, Taipei Hsien, Taiwan, R.O.C.

has been found to comply with the requirements of DNV Standards for Certification of EMC and Safety testing carried out in conjunction with the EMC and Low Voltage Directives and to use the following mark.

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 which compliance is recorded.

Place and date
Høvik, 23 February, 1999
for Det Norske Veritas AS
(Notified Body no. 0575/0434)

Ashley Watts
Head of Section

This Statement is valid until
23 February, 2000

Lars Larsen Ostenso
Local Station

Det Norske Veritas AS — Page 1 of 3

Statement No.: 413 - 99 - LAB12

Audit information
Initial audit:
- Date of Audit: 1998-11-18 and 1998-11-19
- Initial Audit Report: 1998-11-23
- Closing of Non-conformities: 99-02-12

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

Hua Ya EMC Laboratory:
No. 47-1, Lin Luo Keng, 9 Ling, Wu Ling Tsuen, Chung Lin Hsiang, Hua Ya, Taiwan, R.O.C.

Lin Kou Safety Laboratory:
No. 46, Lane 184, Chung Hsiao Road, Lin Kou Hsiang, Taipei, Taiwan, R.O.C

Scope of recognition
EMC testing according to the following standards:
- EN 50081 - 1/-2
- EN 50082 - 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 / ENV 50140 / IEC 801-3
- EN 61000-4-4 / IEC 1000-4-4 / IEC 801-4
- EN 61000-4-5 / IEC 1000-4-5 / ENV 50142
- EN 61000-4-6 / IEC 1000-4-6 / ENV 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

Application/Limitations
Testing of single- and three phase systems

DET NORSKE VERITAS — Page 2 of 3

COMMERCE
A MINISTRY OF COMMERCE
Te Manatu Tauhokohoko

ENQ: ljs
EAE

7th September 1999

ADT Corp.
No. 47, 14 Ling, Chia Pau, Tsuen
Lin Kou Hsiang, Taipei Hsien
Taiwan, R.O.C.

Attention: Sharon Hsiung

LABORATORY APPROVAL

Thank you for your submission of 1st September 1999 regarding the re-submission of your testing laboratory to the Ministry of Commerce's laboratory approval scheme.

I am pleased to advise that your submission has been successful and your Approval has been extended until 30th June 2000. 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. A copy of the Ministry's discussion paper GP'9, outlining the proposed compliance process from 1 January 1999 is available from our web site at:

http://www.rsm.govt.nz/gpnz.html

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

Yours Sincerely

Brian Emmett

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

RADIOSPECTRUM MANAGEMENT GROUP

Page 3 of 3

TÜV Rheinland

Technischer Überwachungs-Verein Rheinland

Certificate

of

Appointment

No. [illegible]

The applicant:

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

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

CISPR 16, EN 55 011:1991, EN 55 014:1993, EN 55 015:1993, EN 55 022 (1994/A1:
EN 55 [illegible] 04:1995, EN 50 555-2:1991, 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 50 082-2:1994,
IEC 801-2:1991, IEC 801-3:1984, IEC 801-4:1988, IEC 801-5:1993, EN 61 000-4-2: 995,
ENV 50 140:1993, ENV 50 [illegible]:1993, IEC 1 000-4-3:1995, EN 61 000-4-4:1995,
EN 61 000-4-5:1995, EN 61 000-4-6:1996, EN 61 000-4-11: 1994, EN 50 601 1-2:1992

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

Audit Report No. [illegible]

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

TÜV Rheinland Taiwan Ltd.
Taipei, 26 Jul. 1996

Dipl.-Ing. Ch.-Lichem
Vice General Manager
Product Safety Department

Dipl.-Ing. U. Meyer
Auditor

TÜV Rheinland

Technischer Überwachungs-Verein Rheinland

Certificate

of

Appointment

No. 19865711-9901

The applicant:

Advance Data Technology (ADT) Corporation
Hsin Chu EMC Laboratory
No. 47-1, Lu Liao Kang, 3 Ling, Wu Lung Tsuen, Chiung Lin Hsiang,
Hsin Chu Hsien, Taiwan, R.O.C.

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

[illegible]

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

Audit Report No. P 96A7211F01 Rev.

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

TÜV Rheinland Taiwan Ltd.
Taipei, 25 Mar. 1998

Dipl.-Ing. C. Klein

Dipl.-Ing. R. Tsuner
Auditor