



EMC

TEST REPORT

REPORT NO. : F88010202
MODEL NO. : CARDEXPERT T7-PRO
DATE OF TEST : March 03, 1999

PREPARED FOR: GAINWARD CO., LTD

ADDRESS : 12F, NO.96, SHIN TAI WU RD. SEC. 1,
HSI-CHIH, TAIPEI HSIEN, TAIWAN , R.O.C.

PREPARED BY: ADVANCE DATA TECHNOLOGY CORPORATION



Accredited Laboratory

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

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1. **CERTIFICATION**

Issue Date: March 05, 1999

Product : DIGITAL VGA CARD
Trade Name : CARDEX
Model No. : CARDEXPERT T7-PRO
Applicant : GAINWARD CO., LTD.
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 March 03, 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 : *Joy Chen* , DATE: 03/04/99
(Joy Chen)

CHECKED BY : *Yemmy Soong* , DATE: 03/05/99
(Yemmy Soong)

APPROVED BY : *Mike Su* , DATE: 3/5/99.
(Mike Su)

ADVANCE DATA TECHNOLOGY CORPORATION

NVLAQ[®]

Accredited Laboratory



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product	:	DIGITAL VGA CARD
Model No.	:	CARDEXPERT T7-PRO
Power Supply	:	Switching (DC from PC)
Data Cable	:	N/A

Note: The EUT is equipped with High Performance Integrated 2D/3D Trident Cyber9397DVD Graphics and Multimedia Accelerator.

The EUT was installed into a PC to simulate actual configuration using ITE equipments.

The EUT has 2 types of connector :

- VGA Monitor Connector and
- DFP Connector for LCD Monitor

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



2.2 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other 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-233	FCC DoC Approved	Nonshielded Power (1.8m) Shielded USB cable (1.8m)
2	MONITOR	ADI	PD-959	FCC DoC Approved	Shielded Signal (1.5m) Nonshielded Power (1.8m)
3	LCD MONITOR	AMTRAN	AX180#	FCC DoC Approved	Shielded Signal (1.7m) Nonshielded Power (1.8m)
4	USB KEYBOARD	BTC	7932	E5XKBUCP10410	Shielded Signal (1.7m)
5	PRINTER	HP	2225C+	DSI6XU2225	Shielded Signal (1.4m) Nonshielded Power (1.9m)
6	MODEM	ACEEX	1414	IFAXDM1414	Shielded Signal (1.0m) Nonshielded Power (1.9m)
7	USB MOUSE	LOGITECH	M-UB48	FCC DoC Approved	Shielded Signal (1.8m)

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 3/10 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	ESH3	893495/006	July 15, 1999
ROHDE & SCHWARZ Spectrum Monitor	EZM	893787/013	July 16, 1999
ROHDE & SCHWARZ Artificial Mains Network	ESH3-Z5	839135/006	July 14, 1999
EMCO-L.I.S.N.	3825/2	9204-1964	July 14, 1999
Shielded Room	Site 2	ADT-C02	N/A

- Note: 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per NAMA's 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	8594A	3144A00308	Sept. 3, 1999
HP Preamplifier	8447D	2944A08119	Jan. 20, 1999
ROHDE & SCHWARZ TEST RECEIVER	ESVP	893496/030	July 15, 1999
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 25, 1999
CHASE Bilog Antenna	CBL6112A	2329	Sept. 19, 1999
EMCO Turn Table	1060	1195	N/A
EMCO Tower	1051	1163	N/A
Open Field Test Site	Site 2	ADT-R02	Sept. 18, 1999

- Note: 1. The measurement uncertainty is less than +/- 3dB, which is calculated as per NAMA's 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

* 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 - 2000 MHz (Radiated Emission)
Input Voltage	:	120 Vac, 60 Hz
Temperature	:	22 °C
Humidity	:	85 %
Atmospheric Pressure	:	996 mbar

TEST RESULT	Remarks
PASS	Minimum passing margin of conducted emission: -12.0 dB at 8.169 MHz Minimum passing margin of radiated emission: -3.1 dB at 190.02 MHz

Note: The EUT was pretested with 2 modes, as the following:

- * MODE 1 - Color Monitor Display
with resolution 1280x1024 (91.2 kHz),
1024x768 (69 kHz),
640x480 (31.5 kHz)
- * MODE 2 - Simultaneous LCD and Monitor Display
with resolution 1280x1024 (64 kHz)

The worst emission levels were found when the EUT was tested with MODE 2, therefore the data of only this mode is recorded in this report.

4.2 EUT OPERATION CONDITION

1. Turn on the power of all equipments.
2. PC runs a test program to enable all functions.
3. PC reads and writes messages from FDD and HDD.
4. PC sends "H" messages to LCD Monitor and monitor. Then both monitors display the messages on their screen.
5. PC sends "H" messages to modem.
6. PC sends "H" messages to printer, and the printer prints them on paper.
7. Repeat steps 3-7.



4.3 TEST DATA OF CONDUCTED EMISSION

EUT: DIGITAL VGA CARD

MODEL: CARDEXPERT T7-PRO

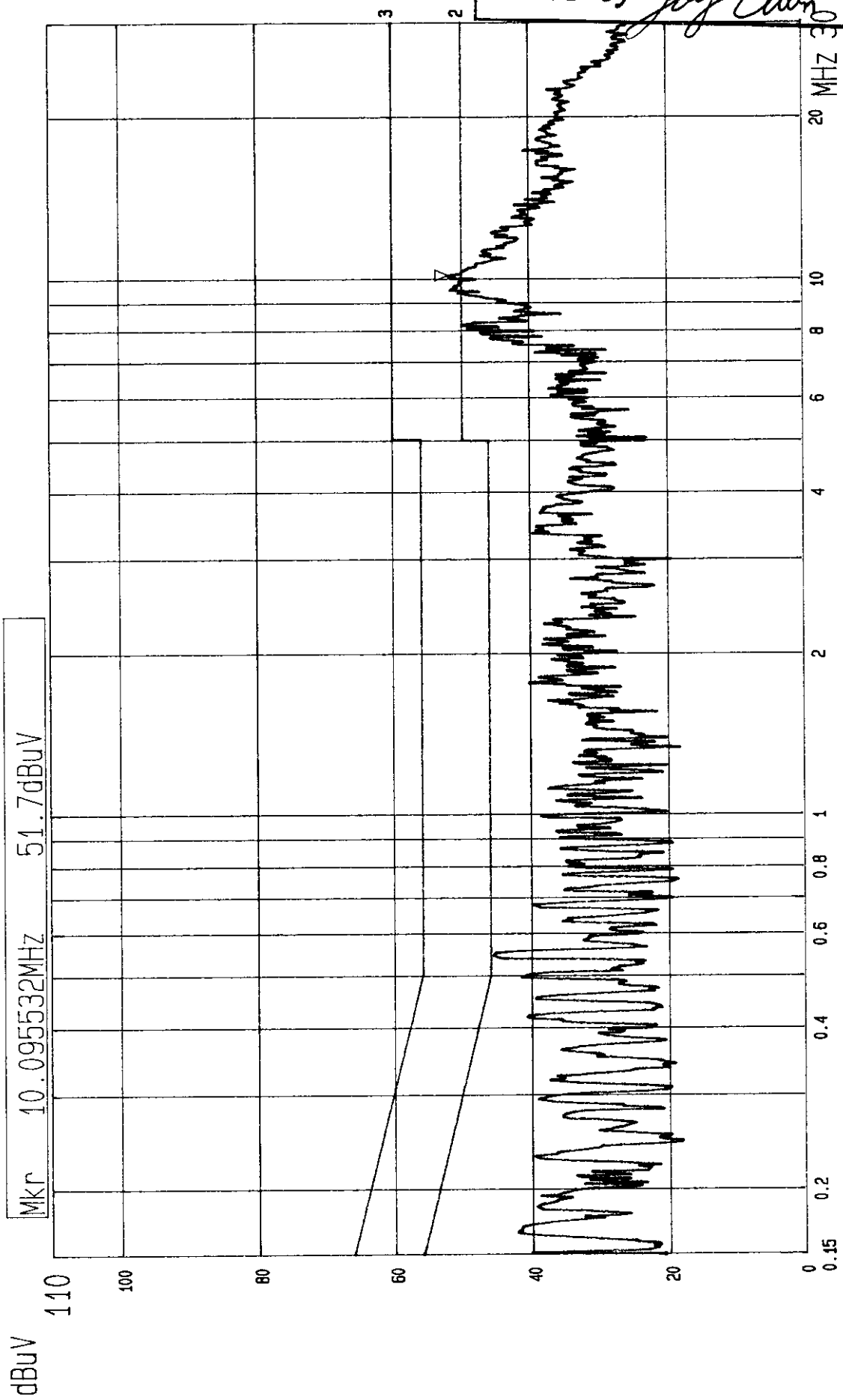
MODE: 1280x1024 (64 kHz)

6 dB Bandwidth: 10 kHz

Freq. [MHz]	L Level		N Level		Limit		Margin [dB (μV)]			
	[dB (μV)]		[dB (μV)]		[dB (μV)]		L		N	
	QP	AV	QP	AV	QP	AV	QP	AV	QP	AV
0.159	40.8	-	42.8	-	65.5	55.5	-24.7	-	-22.7	-
0.414	37.8	-	37.2	-	57.6	47.6	-19.8	-	-20.4	-
0.541	43.6	-	42.9	-	56.0	46.0	-12.4	-	-13.1	-
1.761	34.7	-	34.6	-	56.0	46.0	-21.3	-	-21.4	-
8.169	47.8	-	48.0	-	60.0	50.0	-12.2	-	-12.0	-
10.097	47.4	-	47.3	-	60.0	50.0	-12.6	-	-12.7	-

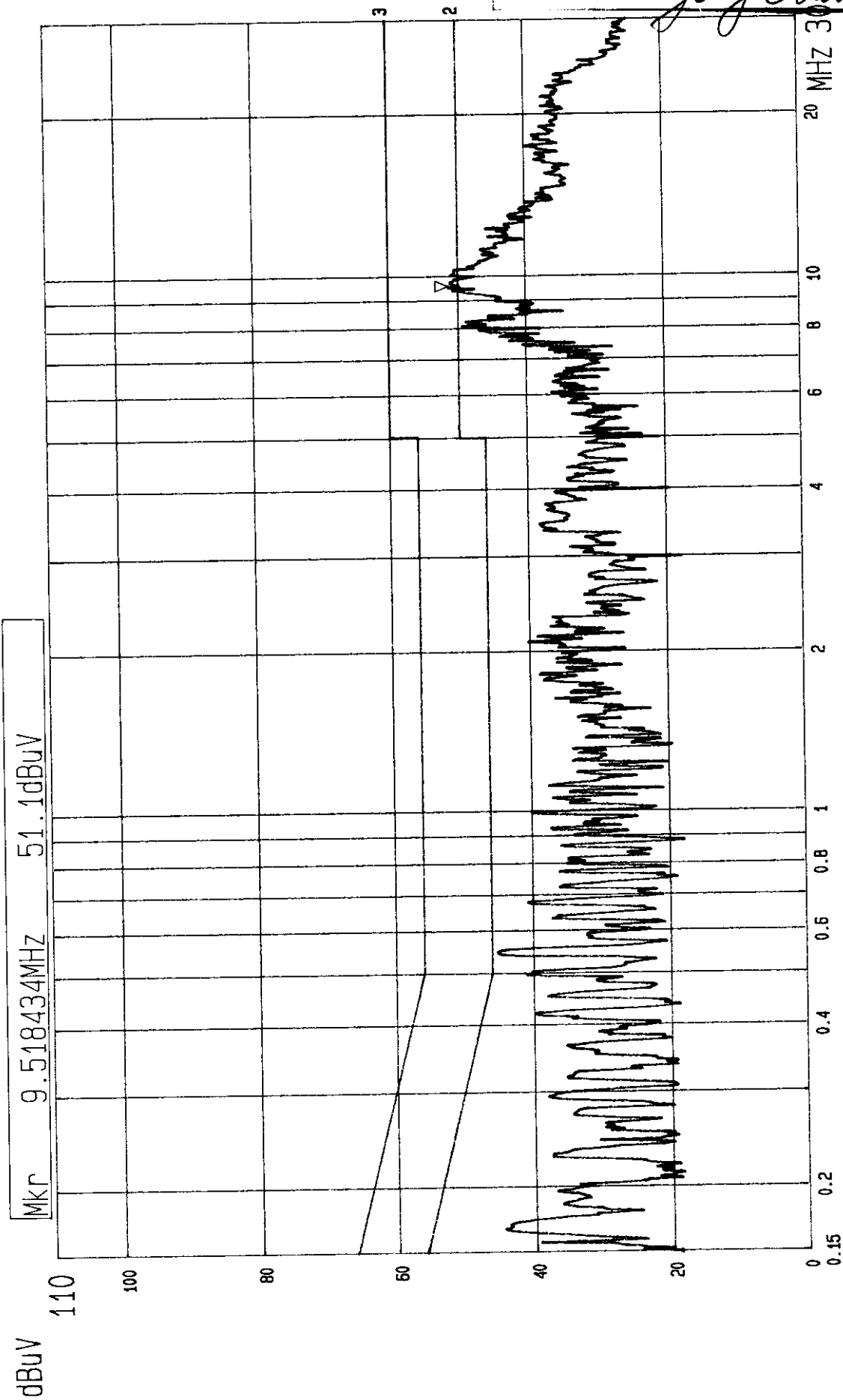
- Remarks:
1. "*": Undetectable
 2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 3. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 4. The emission levels of other frequencies were very low against the limit.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

Tested by *Joy Chen*



---- Date 03.MAR.'99 Time 16:29:34
CISPR 22 CLASS B CONDUCTION TEST (PEAK VALUE)
MODEL: CARDEXPERT T7-PRO 1280X1024 64KHZ LCD+CRT
ADT CORP
LISN: L

Prepared by *Joey Chen*



ADT CORP
LISN: N

Date 03.MAR.'99 Time 16:34:52
CTSPR 22 CLASS B CONDUCTION TEST (PEAK VALUE)
MODEL: CARDEXPERT T7-PRO 1280X1024 64KHz LCD+CRT



4.4 TEST DATA OF RADIATED EMISSION

EUT: DIGITAL VGA CARD

MODEL: CARDEXPERT T7-PRO

MODE: 1280x1024 (64 kHz)

ANT.POLARITY: Horizontal

DETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
Peak, 1 MHz (1000 MHz-2000 MHz)

FREQUENCY RANGE: 30-1000 MHz

MEASURED DISTANCE: 10 M

FREQUENCY RANGE: 1000-2000 MHz

MEASURED DISTANCE: 3 M

Frequency (MHz)	Correction Factor (dB/m)	Reading Data (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
135.73	13.8	7.2	21.0	30.0	-9.0
162.87	11.3	6.9	18.2	30.0	-11.8
173.72	11.5	5.1	16.6	30.0	-13.4
184.58	11.6	13.2	24.8	30.0	-5.2
190.02	11.7	10.6	22.3	30.0	-7.7
195.44	11.8	8.5	20.3	30.0	-9.7
206.29	12.3	11.5	23.8	30.0	-6.2
217.17	13.1	13.1	26.2	30.0	-3.8
228.02	13.9	12.1	26.0	30.0	-4.0
238.89	14.7	15.3	30.0	37.0	-7.0
249.74	15.5	12.1	27.6	37.0	-9.4
260.59	16.7	12.0	28.7	37.0	-8.3
293.17	16.2	10.8	27.0	37.0	-10.0
325.74	17.2	10.0	27.2	37.0	-9.8

- REMARKS:
1. Emission level (dBuV/m) = Correction Factor (dB/m) + Meter Reading (dBuV).
 2. Correction Factor (dB/m) = Ant. Factor (dB/m) + 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: DIGITAL VGA CARDMODEL: CARDEXPERT T7-PROMODE: 1280x1024 (64 kHz)ANT.POLARITY: VerticalDETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
Peak, 1 MHz (1000 MHz-2000 MHz)FREQUENCY RANGE: 30-1000 MHzMEASURED DISTANCE: 10 MFREQUENCY RANGE: 1000-2000 MHzMEASURED DISTANCE: 3 M

Frequency (MHz)	Correction Factor (dB/m)	Reading Data (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
75.99	7.1	12.3	19.4	30.0	-10.6
119.45	14.3	4.0	18.3	30.0	-11.7
130.30	14.2	6.1	20.3	30.0	-9.7
135.73	14.1	12.3	26.4	30.0	-3.6
162.87	11.6	11.5	23.1	30.0	-6.9
184.60	11.7	12.0	23.7	30.0	-6.3
190.02	12.0	14.9	26.9	30.0	-3.1
195.44	12.3	10.7	23.0	30.0	-7.0
206.30	12.9	12.1	25.0	30.0	-5.0
217.16	13.4	12.1	25.5	30.0	-4.5
228.01	13.9	11.0	24.9	30.0	-5.1
238.89	14.5	14.7	29.2	37.0	-7.8
304.01	16.3	10.4	26.7	37.0	-10.3

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



6. ATTACHMENT I - TECHNICAL DESCRIPTION OF EUT

SPECIFICATION :

- High-Performance Intergrated 2D/3D Trident Cyber9397DVD Graphics and Multimedia Accelerator
- 2x AGP Bus support
- Display Memory support up to 8MB SGRAM for 1280x1024x32 color
- Support PanelLink Digital Interface for LCD monitor
- LCD support VGA, SGA, SXGA 18/24-bit TFT color monitors
- LCD resolution up to 1280x1024 and color depths up to 16 million
- VESA DDC/DPMS support
- LCD Type Auto-Detect
- Simultaneous display for CRT and LCD
- CRT Display resolution up to 1600x1200 and color depths up to 16 million
- Hardware Implementation of motion compensation for software MPEG2 Playback (Option)
- 3rd Generation of 3D Graphics Engine support
 - Flat and Gouraud shading for 3D
 - High quality shading for 3D texture mapping
 - Perspective correction
 - Bi-linear texture filtering
 - MIP-Mapping
 - Depth cueing, fogging, alpha blending
 - Video texture mapping
 - 16-bit/24-bit hardware Z-buffering



7. APPENDIX - INFORMATION OF THE TESTING LABORATORY

Information of the testing laboratory

We, ADT Corp., is 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, SGS |
| ● 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: 301-725-1588 (rel-2118)
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: Harris W. Lai

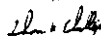
Re: Measurement facility located at above address, Site No. 1
(3 and 10 meters)

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 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 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 PN

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1588 (rel-2118)
Facsimile: 301-344-2050

September 15, 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: Harris Lai

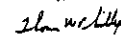
Re: Measurement facility located at Lin Kou, Sites 2 & 3
(3 & 10 meters)

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
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1588 (rel-2118)
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: Harris W. Lai

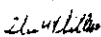
Re: Measurement facility located at above address
Site No. 4 (3 and 10 meters)

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 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 PN

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1588 (rel-2118)
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: Harris W. Lai

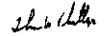
Re: Measurement facility located at above address, Site No. 5
(3 and 10 meters)

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 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.

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Sincerely,



Thomas W. Phillips
Electronics Engineer
Customer Service Branch

Enclosure:
PAL PN

FEDERAL COMMUNICATIONS COMMISSION

7438 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1588 (ext-218)
Facsimile: 301-344-3050

February 25, 1998

IN REPLY REFER TO
31040/SIT
1300F2

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

Attention: Harris W. Lai

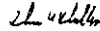
Re: Measurement facility located at above address, Site No. 6
(3 and 10 meters)

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/infot/databases/testsite/.

Sincerely,



Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

7438 Oakland Mills Road
Columbia, MD 21046
Telephone: 301-725-1588 (ext-218)
Facsimile: 301-344-3050

July 16, 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

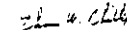
Re: Measurement facility located at Hsin Chu (3 & 10 meter site)

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/infot/databases/testsite/.

Sincerely,



Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

Equipment Authorization Division
7435 Oakland Mills Road
Columbia, MD, 21046

December 23, 1998

Registration Number: 92753

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

Attention: Harris Lai

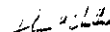
Re: Measurement facility located at Hsin-Chu, Site B
3 & 10 meter site

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, OET Equipment Authorization Electronic Filing.

Sincerely,



Thomas W. Phillips
Electronics Engineer



Technischer Überwachungs-Verein Rheinland

Certificate

of

Appointment

No. I-9763928-9707

The applicant:

Advance Data Technology (ADT) Corporation
No. 47, 14 Ling, Chia Pau Tsyen, Lin Kow 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 55 022:1994/A1,
EN 55 104:1995, EN 68 235-2:1987, 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 801-3:1984, IEC 801-4:1985, 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 61 000-4-4:1993,
EN 61 000-4-5:1995, EN 61 000-4-8:1993, EN 61 000-4-11:1994, EN 60 601-1-2:1993

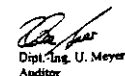
An inspection of the facility was conducted according to the Document
"Approval of Test Site" with reference to EN 45 001 by a TUV Rheinland inspector.

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



Dipl.-Ing. G. Lübken
Vice General Manager
Product Safety Department



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
 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
 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
 Information Technology Equipment



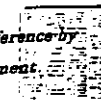
CERTIFICATE

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
 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. 91-1, LIU LIAO KENG, 9 LING, WU LIANG TSUEN,
 CHIUNG LIN HSIANG, HSIEN 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. 91-1, LIU LIAO KENG, 9 LING, WU LIANG TSUEN,
 CHIUNG LIN HSIANG, HSIEN 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





EMC Laboratory Authorization
Aut. No.: ELA 112

EMC Laboratory: ADT Advance Data Technology Corporation
No. 47, 14 Ling, Chia Fan Trees,
Lia Koo 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 Authorisation Document confirms that the above mentioned EMC Laboratory has been validated against EN 45001 and found to be compliant. The laboratory also fulfils the conditions described in Nemko Document ELA 10. During Nemko's visit to the laboratory on 9. October 1996, an assessment was made of the relevant parts of your organisation - i.e. facilities, personnel qualifications, test equipment, and testing practices. It was found that the EMC Laboratory is capable of performing tests within the Scope of Authorisation given on the accompanying page. Accordingly, Nemko will accept your test reports as a basis for attesting conformity to these EMC Standards for the products in question under either the European Union EMC Directive or the European Union Automobile EMC Directive (as applicable).

In case of applications for Product Certifications 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 Authorisation is valid through February 28, 1999.

Oslo, 13 March 1998

For Nemko AS:

Kjell Bergh
Kjell Bergh, Head of EMC Section

Postal address: Tel./fax:
P.O. Box 19 Blindern, Tel: +47 22 94 00 00
Nemko AS, 0404 Postboks 19 Blindern, Fax: +47 22 94 00 00



EMC Laboratory Authorisation
Aut. No.: ELA 112
(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT-FAMILY STANDARDS

Table with 3 columns and 3 rows listing EMC standards such as EN 50081-1, EN 50081-2, EN 55011, etc.

BASIC STANDARDS

Table with 3 columns and 3 rows listing basic EMC standards such as EN 61000-4-2, IEC 61000-4-2, EN 61000-4-1, etc.

Oslo, 13 March 1998

Kjell Bergh
Kjell Bergh, Nemko EMC Services

Postal address: Tel./fax:
P.O. Box 19 Blindern, Tel: +47 22 94 00 00
Nemko AS, 0404 Postboks 19 Blindern, Fax: +47 22 94 00 00



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

EMC Laboratory: ADT Advances Data Technology Corporation
Hsin Chu EMC Laboratory
No. 61-1, Lu Liao Keng, 9 Ling,
Wa Liang Tsoen, Chiung Lia Hsiang,
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 Authorisation Document confirms that the above mentioned EMC Laboratory has been validated against EN 45001 and found to be compliant. The laboratory also fulfils the conditions described in Nemko Document ELA 10. 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 Authorisation given on the accompanying page. Accordingly, Nemko will accept your test reports as a basis for attesting conformity to these EMC Standards for the products in question under the European Union EMC Directive.

In case of applications for Product Certifications 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 Authorisation is valid through February 28, 1999.

Oslo, 15 December 1998

For Nemko AS:

Kjell Bergh
Kjell Bergh, Head of EMC Section

Postal address: Tel./fax:
P.O. Box 19 Blindern, Tel: +47 22 94 00 00
Nemko AS, 0404 Postboks 19 Blindern, Fax: +47 22 94 00 00



EMC Laboratory Authorisation
Aut. No.: ELA 112-b
Hsin Chu EMC Laboratory
(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT-FAMILY STANDARDS

Table with 3 columns and 3 rows listing EMC standards such as EN 50081-1, EN 50081-2, EN 55011, etc.

BASIC STANDARDS

Table with 3 columns and 3 rows listing basic EMC standards such as EN 61000-4-2, IEC 61000-4-2, EN 61000-4-1, etc.

Oslo, 15 December 1998

Kjell Bergh
Kjell Bergh, Nemko EMC Services

Postal address: Tel./fax:
P.O. Box 19 Blindern, Tel: +47 22 94 00 00
Nemko AS, 0404 Postboks 19 Blindern, Fax: +47 22 94 00 00

ISO/IEC GUIDE 25:1990
 ISO 9002:1987

Scope of Accreditation



Page 1 of 1
 NVLAP LAB CODE 200102-4

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

ADVANCE DATA TECHNOLOGY CORPORATION
 No. 47, 14 Ling, Chia Pou Tsuen,
 Lun Kou Hsiang
 Taipei Hsien
 TAIWAN
 Mr. Harris W. Lu
 Phone: 886-2-6032130 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 classes in AUSTEL Technical Standards

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

December 31, 1999

Effective through

J. I. G.
 Director, National Institute of Standards and Technology

NVLAP 015 (11) 30

United States Department of Commerce
 National Institute of Standards and Technology



ISO/IEC GUIDE 25:1990
 ISO 9002:1987

Certificate of Accreditation



ADVANCE DATA TECHNOLOGY CORPORATION
 TAIPEI HSIEN
 TAIWAN

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 287.0 of Federal Regulations. These criteria encompass the requirements of FCC Part 15 and the relevant requirements of ISO 9002 (ANSI/ISO 9002:1987) as suppliers of calibration test results. Accreditation is available for specific services based on the Scope of Accreditation as

**ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS
 FCC**

December 31, 1999

J. I. G.
 Director, National Institute of Standards and Technology

NVLAP Lab Code 200102-4



ENG 3/9
 A/D

6th January 1999

Advance Data Technology Corporation
 No. 47
 14 Ling
 Chia Pou Tsuen
 Lun Kou Hsiang
 Taipei
 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 telecommunications 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 commencing 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@moc.gov.tz

RADIO SPECTRUM MANAGEMENT GROUP

Regulatory and Risk Management Branch, 1st Fl, B, 32 Mansterade Street, Ruzizi, New Zealand
 P.O. Box 554, Telephone (07) 343 1246, Fax (07) 343 1219



Certificate of Assessment

This is to Certify

That **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
 Green Ind Est
 Burnham
 Co Durham
 DN6 3AD
 UNITED KINGDOM

Issued
 For and on behalf of
 SGS EMC Services
 General Manager
J.S. WRALEY
 Date: 02/15/99

中華民國國民標準年檢月檢日
檢台八十五二字第
號

中華民國國民標準年檢月檢日
檢台八十五二字第
號

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
(均無附件)

20823

主旨：有關貴公司電腦相容性測試實驗室申請本局電腦相容性測試認可案，業經實地
抽樣結果，同意認可登錄，請查照。

- 一、准 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：

認可登錄代號	認可產品類別	報告簽署人
S2-A-E-03 (1)	資訊設備	賴輝煌
S2-A-E-03 (1)	家庭用電腦產品	賴輝煌
S2-L-E-03 (1)	週邊設備	賴輝煌

- 三、本實驗室認可期限三年，自八十五年十月二十二日起至八十八年十月二十一日止，外
續送查驗每半年乙次，得視需要增加檢查次數，惟首次查驗作業於六個月內執
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、貴中心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
論，且 貴中心應依規定履行相關之責任與義務。
- 六、檢送「商品電腦相容性測試報告」格式乙份，請自行印製使用。
- 七、檢送「商品電腦相容性測試報告」格式乙份，請自行印製使用。

局長許鵬翔

依照分層負責規定授權單位主管執行

中華民國國民標準年檢月檢日
檢台八十六二字第
號

中華民國國民標準年檢月檢日
檢台八十六二字第
號

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
(均無附件)

1285

主旨：有關貴公司電腦相容性測試實驗室申請本局電腦相容性測試認可案，業經實
地抽樣結果，同意認可登錄，請查照。

- 一、准 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：

認可代號	認可產品類別	報告簽署人
S2-A-E-03 (1)	資訊設備	賴輝煌
S2-A-E-03 (1)	家庭用電腦產品	賴輝煌
S2-L-E-03 (1)	週邊設備	賴輝煌

- 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，評核查驗每
半年乙次，得視需要增加檢查次數，惟首次查驗作業於六個月內執行。
- 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
論，且 貴公司應依規定履行相關之責任與義務。
- 六、檢送「商品電腦相容性測試報告」格式乙份，請自行印製使用。

局長陳廷鎮

依照分層負責規定授權單位主管執行



DET NORSKE VERITAS STATEMENT OF RECOGNITION

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

This is to confirm that the
EMC AND SAFETY LABORATORIES

within
ADT

The main office with legal identity
ADT Corporation, No. 47, 14 Liang, 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-up 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
Havre, 23 February, 1999
for Det Norske Veritas AS
(Notified Body no. 573/434)

This Statement is valid until
23 February, 2000

Arund Wesku
Arund Wesku
Head of Section



A. Larsen Omland
A. Larsen Omland
Local Auditor

Notes: This Statement is valid only if the recipient complies with the requirements of the applicable standards and the quality system may reduce this statement validity.
The recipient of this Statement is responsible for ensuring that the recipient complies with the requirements of the applicable standards and the quality system may reduce this statement validity.
The recipient of this Statement is responsible for ensuring that the recipient complies with the requirements of the applicable standards and the quality system may reduce this statement validity.
The recipient of this Statement is responsible for ensuring that the recipient complies with the requirements of the applicable standards and the quality system may reduce this statement validity.



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

Sites Audited

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

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

Lin Kou Safety Laboratory:
No. 46, Lane 50A, 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 901-2
- EN 61000-4-3 / IEC 1000-4-3 / ENV 50140 / IEC 901-3
- EN 61000-4-4 / IEC 1000-4-4 / IEC 901-4
- 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

Applications/Limitations

Testing of single- and three phase systems



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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 : _____