

EXHIBIT 4
RFI/EMI TEST REPORT



EMC

TEST REPORT

REPORT NO. : F88080308
MODEL NO. : 7Slr, 7SlrA
DATE OF TEST : Aug. 3, 1999

PREPARED FOR: TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.

ADDRESS : 6F, 168, LIN CHEN ROAD, CHUNG HO,
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: Aug. 4, 1999

Product : COLOR MONITOR
Trade Name : AOC
Model No. : 7Slr, 7SlrA
Applicant : TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.
Standard : FCC Part 15, Subpart B, Class B
ANSI C63.4-1992
CISPR 22: 1993+A1: 1995+A2: 1996, Class B

We hereby certify that one sample of the designation has been tested in our facility on Aug. 3, 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 : John Liao , DATE: 8/4/99
(John Liao)

CHECKED BY : Sharon Hsiung , DATE: 8/4/99
(Sharon Hsiung)

APPROVED BY : Mike Su , DATE: 8/4/99
(Mike Su)

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

Accredited Laboratory



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product	:	COLOR MONITOR
Model No.	:	7Slr, 7SlrA
Power Supply Type	:	Switching
Power Cord	:	Nonshielded (1.8m)
Data Cable	:	Shielded (1.8m)

Note: The EUT has two model names which are identical to each other except for the model name only: **7Slr and 7SlrA**.

The EUT is a 17" color monitor with resolution up to 1600 x 1280.

There is a ferrite core on the video cable outside the monitor.

For more detailed features description, please refer to Manufacturer's Specification or 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)
2	KEYBOARD	FORWARD	FDA-104GA	F4ZDA-104G	Shielded signal (1.4m)
3	PRINTER	HP	2225C+	DSI6XU2225	Shielded Signal (2.2m) Nonshielded Power (1.5m)
4	MODEM	ACEEX	1414	IFAXDM1414	Shielded signal (1.5m) Nonshielded Power (1.2m)
5	MOUSE	DEXIN	A2P800A	NIYA2P800A	Shielded signal (1.5m)
6	VGA CARD	CARDEX	CD-GX2A44T	ICUVGA-GW710	NA

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	ESHS30	828109/007	July 13, 2000
ROHDE & SCHWARZ Artificial Mains Network	ESH2-Z5	892107/003	July 13, 2000
EMCO L.I.S.N.	3825/2	9504-2359	July 13, 2000
Shielded Room	Site 3	ADT-C03	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	3544A00941	Dec. 06, 1999
HP Pre-Amplifier	8447D	2944A08312	Sept. 15, 1999
HP Preamplifier	8347A	3307A01088	Sept. 9, 1999
R&S Receiver	ESVS10	844594/010	Sept. 24, 1999
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 25, 1999
CHASE BILOG Antenna	CBL6111A	1500	Sept. 4, 1999
EMCO Double Ridged Guide Antenna	3115	9312-4192	April 5, 2000
EMCO Turn Table	1060-04	1196	NA
EMCO Tower	1051	1264	NA
Open Field Test Site	Site 1	ADT-R01	Aug. 28, 1999

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

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



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	:	27 °C
Humidity	:	71 %
Atmospheric Pressure	:	989 mbar

TEST RESULT	Remarks
PASS	Minimum passing margin of conducted emission: -13.6 dB at 24.467 MHz Minimum passing margin of radiated emission: -3.4 dB at 53.46 MHz

Note: The EUT was pre-tested under the following resolution & horizontal synchronization speed mode:

- ◆ 1600 x 1024 (94 kHz)
- ◆ 1280 x 1024 (91 kHz)
- ◆ 640 x 480 (31.5 kHz)

The worst emission levels were found under 1600 x 1200 (94 kHz) and therefore test data of this mode is recorded.

4.2 EUT OPERATION CONDITION

1. Turn on the power of all equipment.
2. PC reads a test program to enable all functions.
3. PC reads and writes messages from FDD and HDD.
4. PC sends "H" messages to monitor (EUT) and monitor display "H" patterns on 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.

ADT CO. Shielded Room 3
 CISPR 22 CLASS B

03. Aug 99 15:05

EUT: MODEL: 791r
 Op Cond: 1600x1200 75Hz 94kHz
 Test Spec: LISN : L
 Comment: FULL SYSTEM

Report No. F88080308

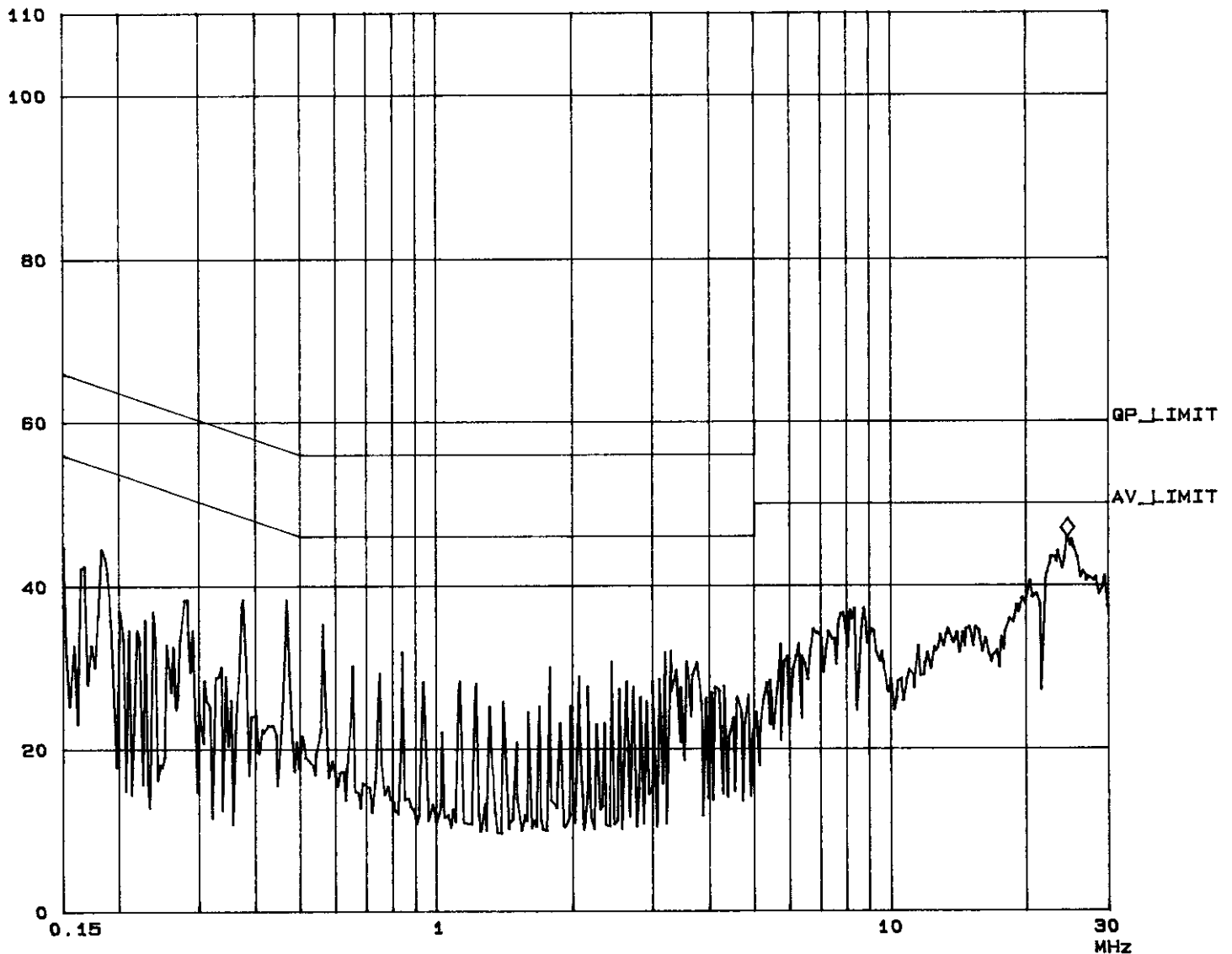
Page 9-1

Tested by John Liao

Fast Scan Settings (3 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRgs
150k	450k	3k	10k	PK	1ms	10dBLN	OFF	60dB
450k	5M	3k	10k	PK	1ms	10dBLN	OFF	60dB
5M	30M	3k	10k	PK	1ms	10dBLN	OFF	60dB

dBuV ◇ Mkr : 24.46700MHz 45.7 dBuV





4.3 TEST DATA OF CONDUCTED EMISSION

EUT: COLOR MONITORMODEL: 7SlrMODE: 1600x1200 (94 kHz)6 dB Bandwidth: 10 kHzPHASE: LINE (L)

Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
		[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.150	0.2	39.1	-	39.3	-	66.0	56.0	-26.7	-
0.187	0.2	43.2	-	43.4	-	64.2	54.2	-20.8	-
0.468	0.2	38.0	-	38.2	-	56.5	46.5	-18.3	-
3.280	0.5	32.0	-	32.5	-	56.0	46.0	-23.5	-
8.343	0.9	37.7	-	38.6	-	60.0	50.0	-21.4	-
24.467	1.4	43.9	-	45.3	-	60.0	50.0	-14.7	-

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



TEST DATA OF CONDUCTED EMISSION

EUT: COLOR MONITORMODEL: 7SlrMODE: 1600x1200 (94 kHz)6 dB Bandwidth: 10 kHzPHASE: NEUTRAL (N)

Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
		[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.150	0.2	39.0	-	39.2	-	66.0	56.0	-26.8	-
0.187	0.2	47.5	-	47.7	-	64.2	54.2	-16.5	-
0.468	0.2	42.0	-	42.2	-	56.5	46.5	-14.3	-
3.280	0.4	36.4	-	36.8	-	56.0	46.0	-19.2	-
8.343	0.6	40.6	-	41.2	-	60.0	50.0	-18.8	-
24.467	1.1	45.3	-	46.4	-	60.0	50.0	-13.6	-

- Remarks:
1. "***": Undetectable
 2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 3. "-": The Quasi-peak emission level also meets average limit and measurement with the average detector is unnecessary.
 4. The emission 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 3
 CISPR 22 CLASS B

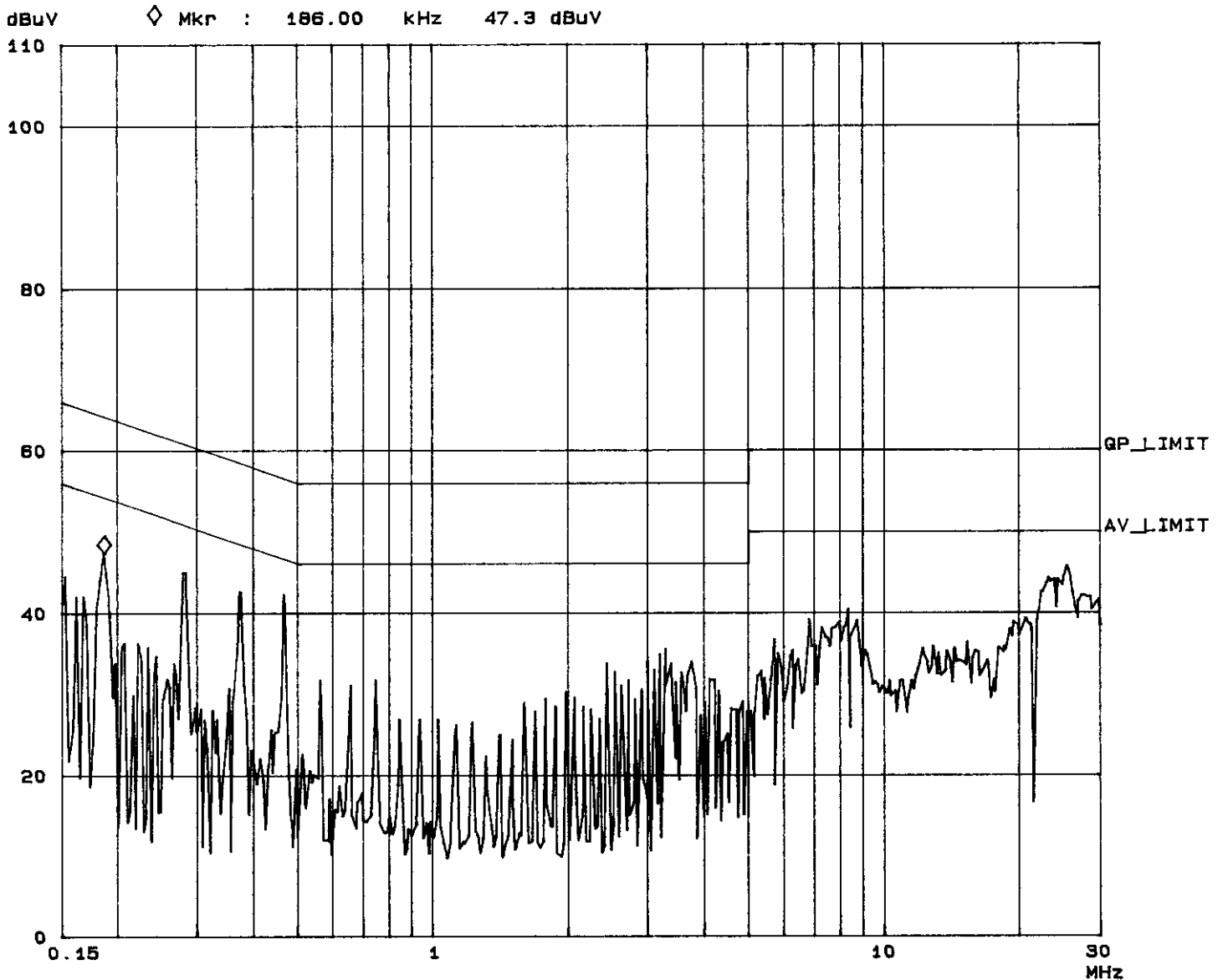
03. Aug 89 15:21

EUT: MODEL: 791r
 Op Cond: 1600x1200 75Hz 94kHz
 Test Spec: LISN: N
 Comment: FULL SYSTEM

Report No. F88080308
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Tested by John Liao

Fast Scan Settings (3 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	450k	3k	10k	PK	1ms	10dB	BLN OFF	60dB
450k	5M	3k	10k	PK	1ms	10dB	BLN OFF	60dB
5M	30M	3k	10k	PK	1ms	10dB	BLN OFF	60dB





4.4 TEST DATA OF RADIATED EMISSION

EUT: COLOR MONITOR

MODEL: 7Slr

MODE: 1600x1200 (94 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)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
50.69	9.5	9.1	18.6	30.0	-11.4	400	356
67.61	6.9	12.2	19.1	30.0	-10.9	400	293
84.38	8.8	8.2	17.0	30.0	-13.0	400	238
152.02	12.4	8.4	20.8	30.0	-9.2	400	257
168.72	11.2	8.8	20.0	30.0	-10.0	400	268
185.66	10.9	9.5	20.4	30.0	-9.6	318	83
202.46	11.3	11.8	23.1	30.0	-6.9	400	254
219.35	12.5	9.7	22.2	30.0	-7.8	400	298
556.75	22.5	8.6	31.1	37.0	-5.9	125	9
573.64	22.3	9.5	31.8	37.0	-5.2	144	343

- 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: COLOR MONITORMODEL: 7SlrMODE: 1600x1200 (94 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)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
33.69	17.4	7.1	24.5	30.0	-5.5	100	43
50.66	9.4	16.1	25.5	30.0	-4.5	100	218
53.46	8.7	17.9	26.6	30.0	-3.4	100	325
67.61	7.1	17.8	24.9	30.0	-5.1	171	5
71.18	7.1	18.4	25.5	30.0	-4.5	176	5
84.39	7.9	15.9	23.8	30.0	-6.2	100	41
152.00	13.0	13.4	26.4	30.0	-3.6	100	327
180.56	11.0	8.3	19.3	30.0	-10.7	100	182
202.45	11.8	8.9	20.7	30.0	-9.3	100	294
523.01	21.1	10.5	31.6	37.0	-5.4	247	188
556.75	22.7	10.3	33.0	37.0	-4.0	264	175
573.65	22.7	10.1	32.8	37.0	-4.2	214	187

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



6. 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 Ostons Mills Road
Columbia, MD 21046
Telephone: 301-725-1222 (toll-free) 301-725-1222
Facsimile: 301-344-2000

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: Hams W. Lai

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

Gentlemen:

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

Per your request, the above mentioned facility has been also added to our list of those who perform these measurement services for the public on a fee basis. This list is published periodically and is also available on the Laboratory's Public Access Link as described in the enclosed Public Notice.

Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

Enclosure:
PAL/PN

FEDERAL COMMUNICATIONS COMMISSION

7435 Ostons Mills Road
Columbia, MD 21046
Telephone: 301-725-1222 (toll-free) 301-725-1222
Facsimile: 301-344-2000

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: Hams 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.

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Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

7435 Ostons Mills Road
Columbia, MD 21046
Telephone: 301-725-1222 (toll-free) 301-725-1222
Facsimile: 301-344-2000

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: Hams 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 C63.4-1992. Please note that this filing must be updated for any changes made to the facility, and at least every three years the data on file must be certified as current.

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Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

Enclosure:
PAL/PN

FEDERAL COMMUNICATIONS COMMISSION

7435 Ostons Mills Road
Columbia, MD 21046
Telephone: 301-725-1222 (toll-free) 301-725-1222
Facsimile: 301-344-2000

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: Hams W. Lai

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

Gentlemen:

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

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Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

Enclosure:
PAL/PN

FEDERAL COMMUNICATIONS COMMISSION

7433 Ostons Mills Road
Columbia, MD 21046
Telephone: 301-725-1588 (toll-free) 301-344-2000
Facsimile: 301-344-2000

February 25, 1998

BY MAIL ONLY TO:
31040/SJT
1300FZ

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

Attention: Hsin W. Liu

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 C63.4-1992. Please note that this filing must be updated for any changes made to the facility, and at least every three years the data on file must be certified as current.

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

Sincerely,

Thomas W. Phillips
Electronics Engineer
Customer Service Branch

FEDERAL COMMUNICATIONS COMMISSION

7433 Ostons Mills Road
Columbia, MD 21046
Telephone: 301-725-1588 (toll-free) 301-344-2000
Facsimile: 301-344-2000

July 16, 1998

BY MAIL ONLY TO:
31040/SJT
1300FZ

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

Attention: Hsin W. Liu

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 C63.4-1992. Please note that this filing must be updated for any changes made to the facility, and at least every three years the data on file must be certified as current.

Per your request, the above mentioned facility has 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

Equipment Authorization Division
7433 Ostons Mills Road
Columbia, MD 21046

December 23, 1998

Registration Number: 92733

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

Attention: Hsin W. Liu

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



CERTIFICATE

Facility: NO. 1 SITE
 (Radiation 3 and 10 meter site)
 Company : Advance Data Technology Corp.
 Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
 TAIPEI HSIEN, TAIWAN

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

Registration No. : R-236
 Date of Registration : July 1, 1998
 This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

Facility: NO. 2 SITE
 (Radiation 3 and 10 meter site)
 Company : Advance Data Technology Corp.
 Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
 TAIPEI HSIEN, TAIWAN

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

Registration No. : R-237
 Date of Registration : July 1, 1998
 This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

Facility: NO. 2 SITE
 (Conducted Interference Measurement)
 Company : Advance Data Technology Corp.
 Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
 TAIPEI HSIEN, TAIWAN

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

Registration No. : C-240
 Date of Registration : July 1, 1998
 This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

Facility: No.3 Site
 (Radiation 3 and 10 meter site)
 Company : Advance Data Technology Corp.
 Address : No.47 CHIA PAU TSUEN, LIN KOU HSIANG, TAIPEI
 HSIEN, TAIWAN

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

Registration No. : R-269
 Date of Registration : January 1, 1999
 This Certificate is valid until March 31, 2002

Voluntary Control Council for Interference by
 Information Technology Equipment





CERTIFICATE

Facility: No.3 Site
 (Conducted Interference Measurement)
 Company : Advance Data Technology Corp.
 Address : No.47 CHIA PAU TSUEN, LIN KOU HSIANG, TAIPEI
 HSIEN, TAIWAN

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

Registration No. : C-274
 Date of Registration : January 1, 1999
 This Certificate is valid until March 31, 2002

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

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

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

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

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

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

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

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

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

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

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

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

Voluntary Control Council for Interference by
 Information Technology Equipment





CERTIFICATE

Facility: Advance Data Technology Corp Site 6
 (Radiation 3 and 10 meter site)
 Company : Advance Data Technology Corp.
 Address : No.47, CHIA PAU TSUEN, LIN KOU HSIANG,
 TAIPEI HSIEN, TAIWAN

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

Registration No. : R-728
 Date of Registration : May 19, 1998
 This Certificate is valid until June 30, 2001

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

Facility: Advance Data Technology Corp Site A
 (Radiation 3 and 10 meter site)
 Company : Advance Data Technology Corp.
 Address : NO. 81-1, LU LIAO KENG, 9 LING, WU LIANG TSUEN,
 CHEUNG LIN 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
 (Conducted Interference Measurement)
 Company : Advance Data Technology Corp.
 Address : NO. 81-1, LU LIAO KENG, 9 LING, WU LIANG TSUEN,
 CHEUNG LIN 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-817
 Date of Registration : September 29, 1998
 This Certificate is valid until September 30, 2001

Voluntary Control Council for Interference by
 Information Technology Equipment



CERTIFICATE

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

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 Liang, Chia Pui Tsuen,
Lia Kou Hsing, Taipei Hsien,
Taiwan R.O.C.

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

This Authorization Document confirms that the above mentioned EMC Laboratory has been validated against EN 45001 and found to be compliant. The laboratory also fulfills 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 Authorization given on the accompanying page. Accordingly, Nemko will accept your test reports as a basis for assessing conformity to these EMC Standards for the products in question under either the European Union EMC Directive or the European Union Automotive EMC Directive (as applicable).

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

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

The Authorization is valid through February 28, 1999.

Oslo, 13 March 1998

For Nemko AS:

Kjell Bergh
Kjell Bergh, Head of EMC Section

Postal address: P.O. Box 75 Blindern, N-0407 Oslo, Norway
Telephone: +47 22 94 20 20
Fax: +47 22 94 20 20



EMC Laboratory Authorisation

Aut. No. : ELA 112

(Page 2 of 2)

SCOPE OF AUTHORIZATION

GENERIC & PRODUCT-FAMILY STANDARDS

Table with 3 columns listing standards: EN 50081-1, EN 50081-2; EN 50082-1, EN 50082-2; EN 55011, Gr. 1, CISPR 11; EN 55013, CISPR 13; EN 55014-1, CISPR 14-1; EN 55015, CISPR 15; EN 55022; EN 60551-2, IEC 555-2; EN 61000-3-2, IEC 61000-3-2; EN 60551-3, IEC 555-3; EN 61000-3-3, IEC 61000-3-3

BASIC STANDARDS

Table with 3 columns listing standards: EN 61000-4-2, IEC 61000-4-2, IEC 801-2; EN 61000-4-3, ENV 50140, ENV 50204, IEC 61000-4-3, IEC 801-3; EN 61000-4-4, IEC 61000-4-4, IEC 801-4; EN 61000-4-5, IEC 61000-4-5; EN 61000-4-6, ENV 50141, IEC 61000-4-6; EN 61000-4-8, IEC 61000-4-8; EN 61000-4-11, IEC 61000-4-11

Oslo, 13 March 1998

Kjell Bergh
Kjell Bergh, Nemko EMC Services

Postal address: P.O. Box 75 Blindern, N-0407 Oslo, Norway
Telephone: +47 22 94 20 20
Fax: +47 22 94 20 20



EMC Laboratory Authorization

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

EMC Laboratory: ADT Advance Data Technology Corporation
Hsin Chu EMC Laboratory
No. 81-1, Lu Lin Keng, 9 Liang,
Wa Lung Tsuen, Chiung Lin 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 Authorization Document confirms that the above mentioned EMC Laboratory has been validated against EN 45001 and found to be compliant. The laboratory also fulfills the conditions described in Nemko Document ELA 10. Based on submitted material, an assessment has been made of the relevant parts of your organisation - i.e. facilities, personnel qualifications, test equipment, and testing practices. It was found that the EMC Laboratory is capable of performing tests within the Scope of Authorization given on the accompanying page. Accordingly, Nemko will accept your test reports as a basis for assessing conformity to these EMC Standards for the products in question under the European Union EMC Directive.

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

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

The Authorization is valid through February 28, 1999.

Oslo, 15 December 1998

For Nemko AS:

Kjell Bergh
Kjell Bergh, Head of EMC Section

Postal address: P.O. Box 75 Blindern, N-0407 Oslo, Norway
Telephone: +47 22 94 20 20
Fax: +47 22 94 20 20



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 listing standards: EN 50081-1, EN 50081-2; EN 50082-1, EN 50082-2; EN 55011, Gr. 1, CISPR 11; EN 55014-1, CISPR 14-1; EN 55014-2, CISPR 14-2; EN 55022, CISPR 22; EN 55024, CISPR 24; EN 60551-2, IEC 60551-2; EN 61000-3-2, IEC 61000-3-2; EN 60551-3, IEC 60551-3; EN 61000-3-3, IEC 61000-3-3

BASIC STANDARDS

Table with 3 columns listing standards: EN 61000-4-2, IEC 61000-4-2; EN 61000-4-3, IEC 61000-4-3, ENV 50204; EN 61000-4-4, IEC 61000-4-4; EN 61000-4-5, IEC 61000-4-5; EN 61000-4-6, ENV 50141, IEC 61000-4-6; EN 61000-4-8, IEC 61000-4-8; EN 61000-4-11, IEC 61000-4-11

Oslo, 15 December 1998

Kjell Bergh
Kjell Bergh, Nemko EMC Services

Postal address: P.O. Box 75 Blindern, N-0407 Oslo, Norway
Telephone: +47 22 94 20 20
Fax: +47 22 94 20 20

ISO/IEC GUIDE 25:1996
ISO 9002:1987 **Scope of Accreditation**



Page: 1 of 1
ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS NVLAP LAB CODE 200102-0

ADVANCE DATA TECHNOLOGY CORPORATION
No. 47, 14 Lung, Chia Pau Tsuen,
Liu Kou Hsiang
Tapei Hsien
TAIWAN
Mr. Harris W. Lu
Phone: 386-2-6032180 Fax: 386-2-6022943

- 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
[Signature]
Director, Division of Standards and Technology

NVLAP Certificate of Accreditation



ISO/IEC GUIDE 25:1996
ISO 9002:1987

ADVANCE DATA TECHNOLOGY CORPORATION
TAIPEI HSIEN
TAIWAN

It is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 2634 of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the technical requirements of ISO 9002:1987 (ANSI/ISO 9002:1987) as suppliers of calibration of test results. Accreditation is awarded for specific services listed in the Scope of Accreditation.

**ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS
FCC**

December 11, 1999
[Signature]

ISO/IEC GUIDE 25:1996
ISO 9002:1987 **Scope of Accreditation**



Page: 1 of 1
ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS NVLAP LAB CODE 200376-0

ADVANCE DATA TECHNOLOGY CORPORATION HSIEN CHU EMC LABORATORY
No. 31-1, Lu Liao Kong, 9 Lung, Wu Lung
Tapes, Chung Lin Hsiang
Hsue Chu Hsien
TAIWAN
Mr. Harris Lu
Phone: 386-2-26032180 Fax: 386-2-26022943
E-Mail: harris@mail.adt.com.tw

- NVLAP Code Designation / Description**
- International Special Committee on Radio Interference (CISPR) Methods**
- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment
- Federal Communications Commission (FCC) Methods**
- 12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
 - 12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
 - 12/F01b Radiated Emissions
- Australian Standards referred to by classes in ACA Technical Standards**
- 12/T51 AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment

March 31, 2000
[Signature]
Director, Division of Standards and Technology

NVLAP Certificate of Accreditation



ISO/IEC GUIDE 25:1996
ISO 9002:1987

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

It is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 2634 of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the technical requirements of ISO 9002:1987 (ANSI/ISO 9002:1987) as suppliers of calibration of test results. Accreditation is awarded for specific services listed in the Scope of Accreditation.

**ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS
FCC**

March 31, 2000
[Signature]



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

with
ADT

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

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

The acceptance is based on a formal Quality Audit and follow-up according to relevant parts of
EN 45001 and ISO/IEC Guide 23, in accordance with the requirements of the DNV Laboratory
Quality Manual towards subcontractors.

Place and date
Havik, 23 February, 1999
for Det Norske Veritas AS
(Norwegian Bofy no. 373/434)

The Statement is valid until
23 February, 2000

Arvid Weissen
Arvid Weissen
Head of Section



And Leifur Ottarsson
And Leifur Ottarsson
Lead Auditor

DNV NORSE VERITAS AS
Form No. 23.016 Issue October 92



Statement No. 413-99-LAB12

Audit information

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

Sites Audited

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

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

Lin Kou Safety Laboratory:
No. 46, Lane 504, 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

Applications/Limitations

Testing of single- and three phase systems

DNV NORSE VERITAS AS
Form No. 23.016 Issue October 92



ENG 39
AJD

6th January 1999

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

Attention: Ms Sharon Hsiung

Dear Ms Hsiung

LABORATORY APPROVAL

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

I am pleased to advise that your submission has been successful and your
approval has been extended until 30th June 1999. At this time, the Approved
Laboratory scheme will cease operation with the implementation of the new
radio-communications regulations. Test reports from your laboratory will be
accepted under the new framework. Please find enclosed a copy of the
Ministry's discussion paper, OP10, outlining the proposed compliance process
from 1 January 1999.

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

Yours faithfully

Brian Emmett

Brian Emmett

Technical Officer (Regulatory)
e-mail: brian.emmett@moc.gov.tz

RADIO SPECTRUM MANAGEMENT GROUP

Regulatory and Policy Management Branch, Land A, 12 Mandela Street, Dar es Salaam, P.O. Box 17000,
2511, Dar es Salaam, Tanzania. Tel: (255) 224 224 224. Fax: (255) 224 224 224



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
Seven Ind Est
Barnham
Co Durham
DNB 5AD
UNITED KINGDOM

Issued
For and on behalf of
SGS EMC Services

J. W. WILLEY
General Manager

Date: 07/05/99



Technischer Überwachungs-Verein Rheinland

Certificate

of Appointment

No. 1-9763928-9707

The applicant:

Advance Data Technology (ADT) Corporation
No. 47, 14 L'Jog, Chia Pan Tsuen, Lin Kou Hsiang, Taipei Hsien,
Taiwan, R.O.C.

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

CISPR16, EN 55 011:1991, EN 55 014:1993, EN 55 015:1993, EN 55 022:1994/A1,
EN 55 104:1995, EN 60 525-2:1987, 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 801-4:1988, IEC 801-5:1996, EN 61 000-4-1:1993,
ENV 50 140:1993, ENV 50 141:1993, IEC 1 000-4-3:1995, EN 61 000-4-4:1995,
EN 61 000-4-5:1995, EN 61 000-4-8:1993, 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 months,
at the discretion of TUV Rheinland.

TUV Rheinland Taiwan Ltd.
Taipei, 16.07.1997

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

Dipl.-Ing. U. Meyer
Auditor

The contents of the Testing and Commissioning Reports are an integral part of this certificate.



Technischer Überwachungs-Verein Rheinland

Certificate

of

Appointment

No. 19865711-9905

The applicant:

Advance Data Technology (ADT) Corporation
Hsin Chu EMC Laboratory
No. 81-1, Lu Line Kang, 9 Line, Wu Lung Tzuen, Chiang Lin Hsiang,
Hsin Chu Hsien, Taiwan, R.O.C.

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

EN 55 011:1991, EN 55 014:1993, EN 55 015:1993, with amendment, EN 55 022:1994/A1/A2
EN 55 014-2:1997, EN 60 525-2:1987, 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 801-4:1988, IEC 801-5:1996, IEC 801-3:1996
EN 61 000-4-2:1995, ENV 50 140:1993, ENV 50 141:1993
ENV 50 140:1993, EN 61 000-4-3:1995, EN 61 000-4-4:1995, 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 9865711E01, Rev.

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

TUV Rheinland Taiwan Ltd.
Taipei, 25 May 1999

Dipl.-Ing. A. Klinker



Dipl.-Ing. R. Charton
Auditor