



FCC TEST REPORT

REPORT NO.: F89042022C

MODEL NO.: 4V, 4Vlr, 5E, 5Elr

RECEIVED: Feb. 13, 2001

TESTED: March 1, 2001

APPLICANT: TOP VICTORY ELECTRONICS (TAIWAN)
CO., LTD.

ADDRESS: 18F, NO. 738, CHUNG-CHENG D.CHUNG
HO, TAIPEI HSIEN, TAIWAN, R.O.C.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: 47 14th Lin, Chiapau Tsun, Linko, Taipei,
Taiwan, R.O.C.

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Accredited Laboratory



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1 CERTIFICATION

PRODUCT: 14"/15" COLOR MONITOR
BRAND NAME: IBM
MODEL NO: 4V, 4Vlr
PART NO: D351V (for 14")
MODEL NO: 5E, 5Elr
PART NO: D551V (for 15")
APPLICANT: TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.
STANDARDS: FCC Part 15, Subpart B, Class B
CISPR 22: 1997, Class B
ANSI C63.4-1992

We, **Advance Data Technology Corporation**, hereby certify that two samples(4Vlr, 5Elr) of the designation has been tested in our facility on March 1, 2001. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions herein specified.

CHECKED BY: Kathy Tseng , **DATE:** 2/9/2001
(Kathy Tseng)

APPROVED BY: Mike Su , **DATE:** 3/9/2001.
(Mike Su)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Remarks
FCC Part 15, Subpart B,	Conducted Test	PASS	Meets Class B Limit Minimum passing margin is -7.13 dB at 9.098 MHz
CISPR 22: 1997, Class B	Radiated Test	PASS	Meets Class B Limit Minimum passing margin is -3.2 dB at 33.38 MHz

NOTE: For conducted emission test, the test limit used is according to FCC Part 15.107. In this part, conducted emission test for telecom port is not mentioned and therefore this item is not tested.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	14"/15" COLOR MONITOR
MODEL NO.	4V, 4Vlr, 5E, 5Elr
POWER SUPPLY	Nonshielded (1.8 m, 3-pin)
DATA CABLE	Shielded (1.2 m)

NOTE: This report is prepared for FCC Class II Permissive Change. The main change is to re-layout the video Board.

The EUT is a 14"/15" Color Monitor with resolution up to 1024x768.

The EUT has four model names, which are identical to each other except for their CRT size and tube:

- ? Model: 5Elr, CRT size: 15" with low radiation CRT
- ? Model: 4V, CRT size: 14" without low radiation CRT
- ? Model: 4Vlr, CRT size: 14" with low radiation CRT
- ? Model: 5E, CRT size: 15" without low radiation CRT

From the above model names, model: 4Vlr (mode 1), 5Elr (mode 2) were selected as the representative for the test and their data is recorded in this report.

There is a ferrite core on the video cable outside both monitors.

For more detailed features description, please refer to manufacturer's specification or User's Manual.

3.2 DESCRIPTION OF TEST MODES

The EUT was pre-tested under the following conditions:

CONDITION	RESOLUTION
1	800X600
2	1024X768
3	640X480

Since the worst emission levels were found when the EUT was tested using 800x600 resolution, Condition 1 is adopted for the final test.



3.3 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 were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	PERSONAL COMPUTER	NTI	PI I-450T	P201140	FCC DoC APPROVED
2	MODEM	ACEEX	1414	980020502	IFAXDM1414
3	PRINTER	HP	2225C	2806S05240	BS46XU2225C
4	PS/2 KEYBOARD	FORWARD	FDA-104GA	FDKB8110124	F4ZDA-104G
5	MOUSE	LOGITECH	M-S43	LZE000703132	DZL211106
6	COLOR VGA CARD	CARDEX	CD-GX2A44T	GHF11905	ICUVGA-GW710

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.
3	1.2m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core.
4	1.5 m foil shielded wire, terminated with PS/2 connector via metallic frame, w/o core.
5	1.5 m foil shielded wire, terminated with PS2 connector via drain wire, w/o core.
6	N/A

NOTE: All power cords of the above support units are non shielded (1.8m).

4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

4.1.2 TEST INSTRUMENTS

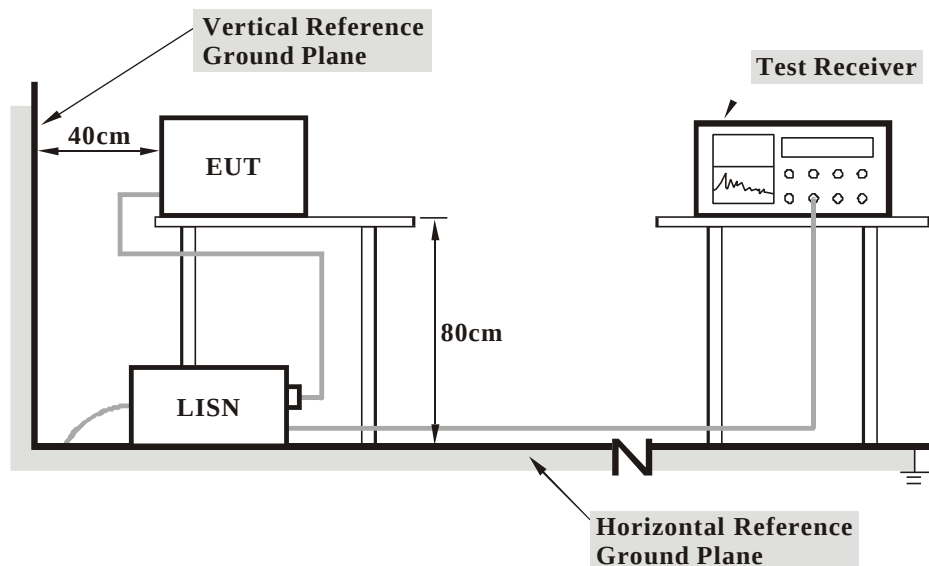
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESCS30	834115/016	Feb. 21, 2002
ROHDE & SCHWARZ Artificial Mains Network	ESH2-Z5	892107/003	July 11, 2001
ROHDE & SCHWARZ 4-wire ISN	ENY41	838119/028	Dec. 12, 2001
ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/018	Dec. 3, 2001
EMCO L.I.S.N.	3825/2	9504-2359	July 11, 2001
Shielded Room	Site 3	ADT-C03	NA
VCCI Site Registration No.	Site 3	C-274	NA

- NOTE:**
1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the 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.

4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported.

4.1.4 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.



4.1.5 EUT OPERATING CONDITIONS

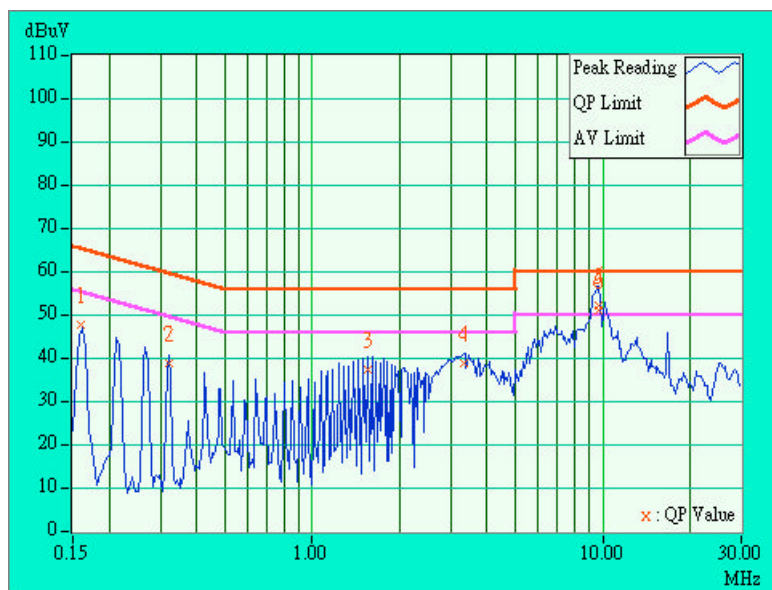
- a. Turn on the power of all equipment.
- b. PC runs a test program to enable all functions.
- c. PC reads and writes messages from FDD and HDD.
- d. PC sends "H" messages to monitor (EUT) and then monitor displays "H" patterns on screen.
- e. PC sends "H" messages to modem.
- f. PC sends "H" messages to printer, and the printer prints them on paper.
- g. Repeat steps c-g.

4.1.6 TEST RESULTS (A)

EUT	14"/15" MONITOR	COLOR	MODEL	4Vlr
MODE	1	6dB BANDWIDTH	10 kHz	
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)	
ENVIRONMENTAL CONDITIONS	20 deg. C, 70 % RH, 1050 mbar	TESTED BY: JN Chen		

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.160	0.16	47.61	-	47.77	-	65.44	55.44	-17.67	-
2	0.321	0.20	38.81	-	39.01	-	59.67	49.67	-20.66	-
3	1.553	0.30	37.52	-	37.82	-	56.00	46.00	-18.18	-
4	3.319	0.37	38.97	-	39.34	-	56.00	46.00	-16.66	-
5	9.740	0.59	52.09	39.30	52.68	39.89	60.00	50.00	-7.32	-10.11
6	9.742	0.59	50.96	37.39	51.55	37.98	60.00	50.00	-8.45	-12.02

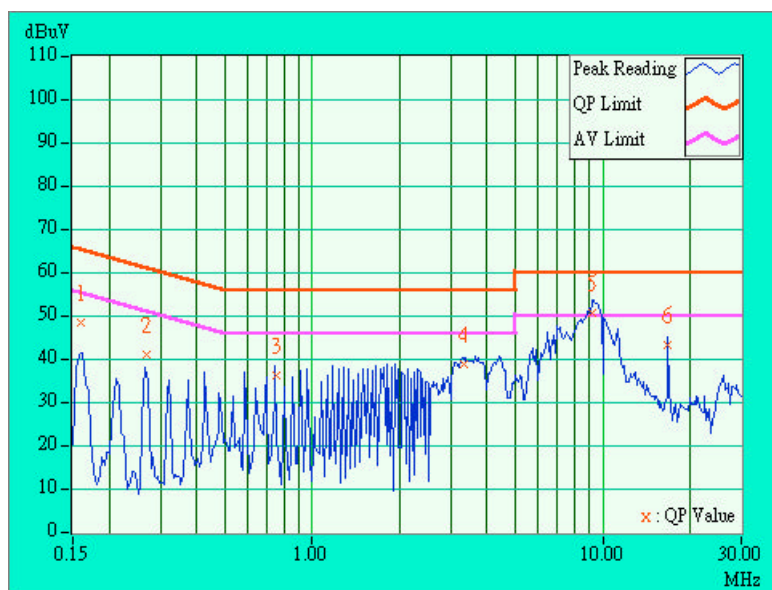
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	14" /15" MONITOR	COLOR	MODEL	4Vlr
MODE	1		6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz		PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70 % RH, 1050 mbar		TESTED BY: JN Chen	

No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.161	0.16	48.70	-	48.86	-	65.43	55.43	-16.57	-
2	0.268	0.20	41.24	-	41.44	-	61.18	51.18	-19.74	-
3	0.750	0.26	36.39	-	36.65	-	56.00	46.00	-19.35	-
4	3.319	0.37	38.81	-	39.18	-	56.00	46.00	-16.82	-
5	9.259	0.49	50.70	38.74	51.19	39.23	60.00	50.00	-8.81	-10.77
6	16.802	0.57	43.25	-	43.82	-	60.00	50.00	-16.18	-

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

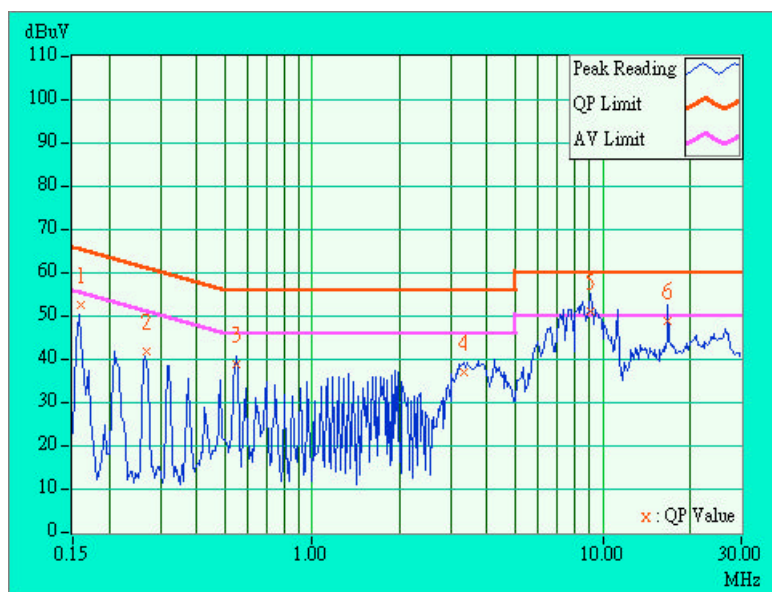


4.1.7 TEST RESULTS (B)

EUT	14"/15" MONITOR	COLOR	MODEL	5Elr
MODE	2	6dB BANDWIDTH	10 kHz	
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)	
ENVIRONMENTAL CONDITIONS	20 deg. C, 70 % RH, 1050 mbar	TESTED BY: JN Chen		

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.161	0.16	52.62	-	52.78	-	65.44	55.44	-12.65	-
2	0.267	0.20	41.91	-	42.11	-	61.20	51.20	-19.09	-
3	0.550	0.22	38.88	-	39.10	-	56.00	46.00	-16.90	-
4	3.318	0.37	37.00	-	37.37	-	56.00	46.00	-18.63	-
5	9.043	0.57	51.28	40.93	51.85	41.50	60.00	50.00	-8.15	-8.50
6	16.802	0.81	48.99	-	49.80	-	60.00	50.00	-10.20	-

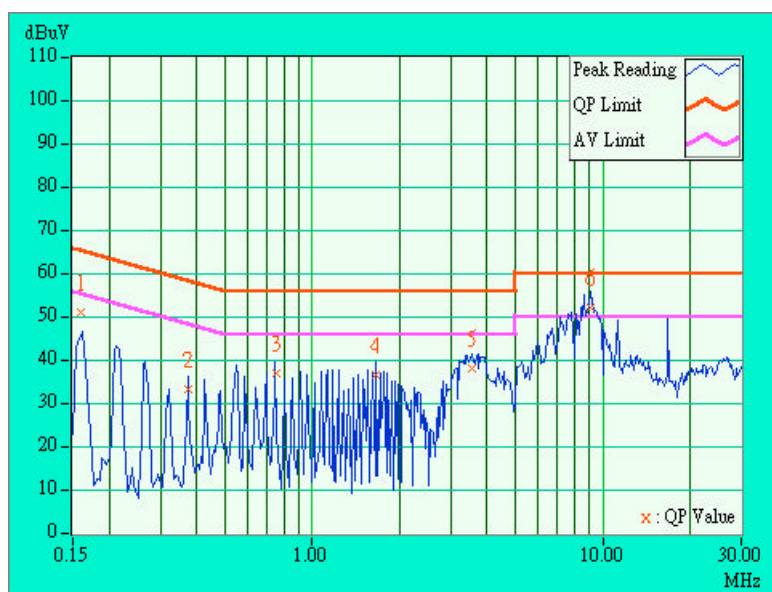
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	14" /15" MONITOR	COLOR	MODEL	5Elr
MODE	2		6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz		PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70 % RH, 1050 mbar		TESTED BY: JN Chen	

No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.161	0.16	50.99	-	51.15	-	65.42	55.42	-14.27	-
2	0.374	0.20	33.27	-	33.47	-	58.40	48.40	-24.93	-
3	0.750	0.26	37.04	-	37.30	-	56.00	46.00	-18.70	-
4	1.658	0.30	36.72	-	37.02	-	56.00	46.00	-18.98	-
5	3.534	0.38	38.12	-	38.50	-	56.00	46.00	-17.50	-
6	9.098	0.48	52.39	41.33	52.87	41.81	60.00	50.00	-7.13	-8.19

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



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT FOR FREQUENCY BELOW 1000 MHz

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

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

FREQUENCY (MHz)	Class A (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.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8590L	3544A00941	Nov. 29, 2001
HP Pre-Amplifier	8447D	2944A08312	March 12, 2001
HP Preamplifier	8449B	3008A01201	Dec. 13, 2001
R&S Receiver	ESVS10	844594/010	Oct. 2, 2001
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 23, 2001
ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Jan. 25, 2002
CHASE BILOG Antenna	CBL6111A	1500	Aug. 31, 2001
EMCO Double Ridged Guide Antenna	3115	9312-4192	March 29, 2001
EMCO Turn Table	1060-04	1196	NA
EMCO Tower	1051	1264	NA
Open Field Test Site	Site 1	ADT-R01	Aug. 25, 2001
VCCI Site Registration No.	Site 1	R-236	NA

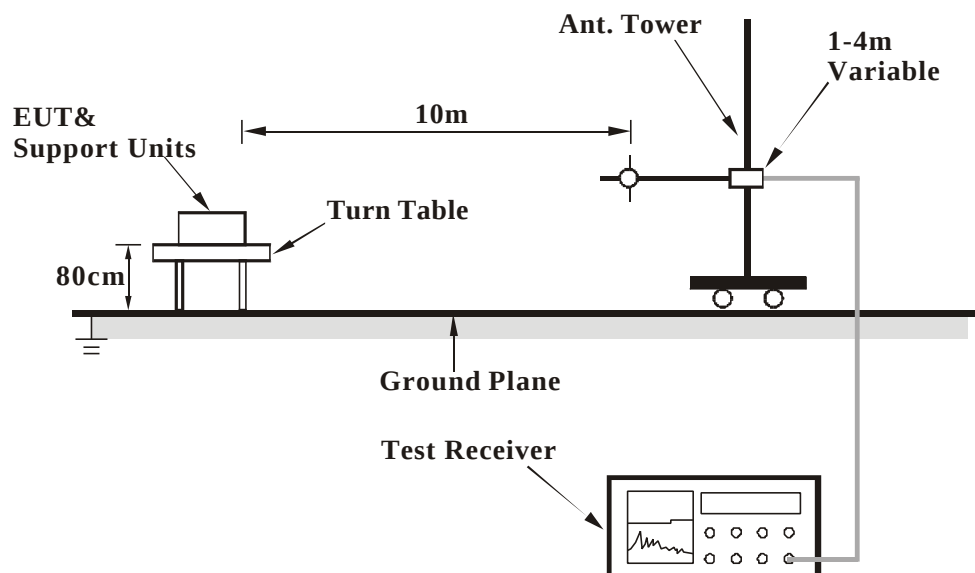
NOTE: 1. The measurement uncertainty is less than +/-3.0dB, which is calculated as per the NAMAS document NIS81.

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

4.2.3 TEST PROCEDURE

- The EUT was placed on the top of a ratable table 0.8 meters above the ground at a 10-meter open field site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using the quasi-peak method or average method as specified and then reported in Data sheet peak mode and QP mode.
- For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the interference antenna and the detect function was set to Peak or Average.

4.2.4 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.5 EUT OPERATING CONDITIONS

Same as 4.1.5



4.2.6 TEST RESULTS (A)

EUT	14"/15" MONITOR	COLOR	MODEL	4Vlr
MODE	1		FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz		DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70 % RH, 1050 mbar		TESTED BY:	JIN Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB)
1	64.30	15.9 QP	30.00	-14.10	4.00H	172	9.68	5.44	0.78	0.00	-6.22
2	77.20	20.0 QP	30.00	-10.00	4.00H	148	13.26	5.88	0.86	0.00	-6.74
3	138.18	19.5 QP	30.00	-10.50	4.00H	233	6.97	11.38	1.15	0.00	-12.53
4	185.00	18.6 QP	30.00	-11.40	4.00H	242	9.06	8.17	1.37	0.00	-9.54
5	222.18	19.4 QP	30.00	-10.60	4.00H	130	8.35	9.57	1.48	0.00	-11.05
6	235.53	23.3 QP	37.00	-13.70	4.00H	162	11.28	10.47	1.55	0.00	-12.02
7	253.19	23.6 QP	37.00	-13.40	4.00H	252	10.54	11.43	1.63	0.00	-13.06
8	528.12	27.7 QP	37.00	-9.30	2.27H	293	6.36	18.64	2.70	0.00	-21.34

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB)
1	34.25	26.2 QP	30.00	-3.80	1.85V	127	8.20	17.43	0.57	0.00	-18.00
2	64.97	20.9 QP	30.00	-9.10	1.43V	217	14.68	5.44	0.78	0.00	-6.22
3	76.08	21.5 QP	30.00	-8.50	1.17V	197	14.76	5.88	0.86	0.00	-6.74
4	138.09	22.6 QP	30.00	-7.40	1.00V	356	10.07	11.38	1.15	0.00	-12.53
5	185.06	16.8 QP	30.00	-13.20	1.00V	340	7.26	8.17	1.37	0.00	-9.54
6	222.18	21.4 QP	30.00	-8.60	1.00V	230	10.35	9.57	1.48	0.00	-11.05
7	234.99	18.2 QP	37.00	-18.80	1.00V	115	6.18	10.47	1.55	0.00	-12.02
8	252.18	17.9 QP	37.00	-19.10	1.00V	174	4.84	11.43	1.63	0.00	-13.06
9	528.09	23.5 QP	37.00	-13.50	2.06V	207	2.16	18.64	2.70	0.00	-21.34

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB) = Pre-Amplifier Factor (dB) - Antenna Factor (dB) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



4.2.7 TEST RESULTS (B)

EUT	14"/15" MONITOR	COLOR	MODEL	5Elr
MODE	2		FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz		DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70 % RH, 1050 mbar		TESTED BY:	JIN Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB)
1	67.76	22.3 QP	30.00	-7.70	4.00H	196	16.30	5.19	0.81	0.00	-6.00
2	78.22	23.5 QP	30.00	-6.50	4.00H	168	16.44	6.18	0.87	0.00	-7.06
3	118.89	21.4 QP	30.00	-8.60	4.00H	202	9.72	10.59	1.09	0.00	-11.68
4	136.68	19.6 QP	30.00	-10.40	4.00H	259	7.18	11.28	1.14	0.00	-12.42
5	235.75	22.2 QP	37.00	-14.80	4.00H	312	10.18	10.47	1.55	0.00	-12.02
6	336.13	24.7 QP	37.00	-12.30	3.83H	152	9.33	13.42	1.95	0.00	-15.37
7	631.98	29.7 QP	37.00	-7.30	3.17H	97	7.08	19.63	2.99	0.00	-22.62

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB)
1	33.38	26.8 QP	30.00	-3.20	1.66V	336	7.78	18.48	0.53	0.00	-19.02
2	65.78	23.8 QP	30.00	-6.20	1.46V	210	17.69	5.31	0.80	0.00	-6.11
3	78.72	24.8 QP	30.00	-5.20	1.58V	261	17.74	6.18	0.87	0.00	-7.06
4	127.88	22.4 QP	30.00	-7.60	1.00V	288	10.40	10.89	1.11	0.00	-12.00
5	136.93	21.0 QP	30.00	-9.00	1.00V	137	8.58	11.28	1.14	0.00	-12.42
6	201.30	22.1 QP	30.00	-7.90	1.00V	108	12.34	8.36	1.39	0.00	-9.76
7	334.12	21.4 QP	37.00	-15.60	1.00V	220	6.10	13.36	1.94	0.00	-15.30
8	631.00	29.0 QP	37.00	-8.00	1.95V	142	6.38	19.63	2.99	0.00	-22.62

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB) = Pre-Amplifier Factor (dB) - Antenna Factor (dB) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

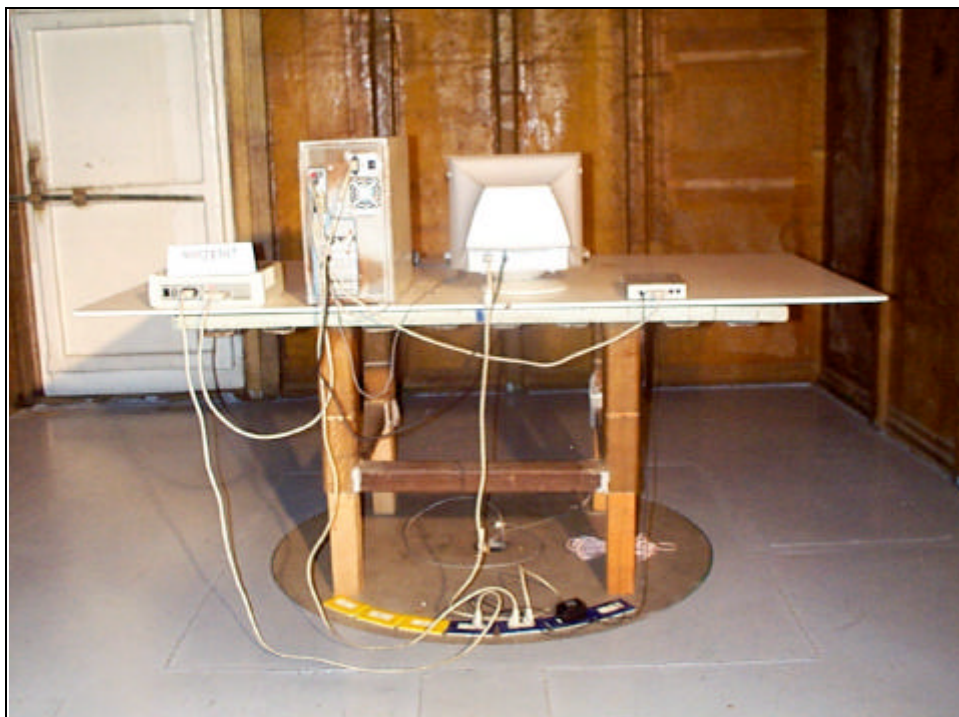
CONDUCTED EMISSION TEST (MODE 1)



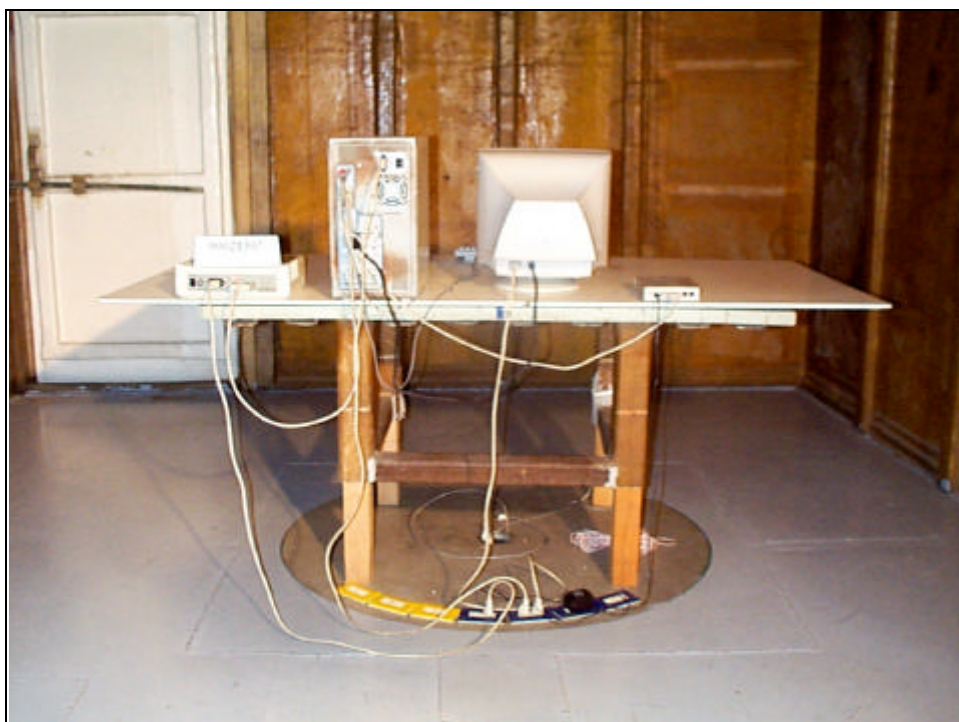
CONDUCTED EMISSION TEST (MODE 2)



RADIATED EMISSION TEST (MODE 1)



RADIATED EMISSION TEST (MODE 2)





6 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC and Safety consultation. Our laboratories are accredited by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

USA	FCC, NVLAP
Germany	TUV Rheinland
Japan	VCCI
New Zealand	MoC
Norway	NEMKO, DNV
U.K.	INCHCAPE
R.O.C.	BSMI

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC Lab:

Tel: 886-2-26052180

Fax: 886-2-26052943

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

Email: service@mail.adt.com.tw

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.