FCC TEST REPORT

REPORT NO.: F911014A01

MODEL NO.: JC166H12U

TYPE NO.: T51B

RECEIVED: Oct. 14, 2002

TESTED: Oct. 17 ~ 18, 2002

APPLICANT: JEAN CO., LTD.

ADDRESS: 7F ,2 , Rei Kuang Road, Nei Hu, Taipei, Taiwan, R.O.C

ISSUED BY: Advance Data Technology Corporation

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

0528
ILAC MRA

Lab Code: 200102-0

Table of Contents

1 CERTIFICATION

PRODUCT:	15” LCD TV MONITOR
BRAND NAME:	JEAN
MODEL NO.:	JC166H12U
TYPE NO.:	T51B
TEST ITEM:	ENGINEERING SAMPLE
APPLICANT:	JEAN 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 one sample of the designation has been tested in our facility on Oct. 17 ~ 18, 2002. 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:** Oct. 22, 2002

(Kathy Tseng)

APPROVED BY: Fred Chen , **DATE:** Oct. 22, 2002

(Fred Chen, Manager)

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, Class B CISPR 22: 1997, Class B ANSI C63.4-1992	Conducted Test	PASS	Meets Class B Limit Minimum passing margin is –3.84 dB at 0.150 MHz
	Radiated Test	PASS	Meets Class B Limit Minimum passing margin is –3.00 dB at 715.99 MHz

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	15” LCD TV MONITOR
MODEL NO.	JC166H12U
TYPE NO.	T51B
POWER SUPPLY	Switching 100-240, 1.2A, 50-60Hz Power cord Non-shielded AC (1.8m, 3-pin)
DATA CABLE	VGA Cable shielded (1.5m) with 2 ferrite cores

NOTE: The EUT is a 15” LCD TV MONITOR attached with a remove controller, with resolution up to 1024x768. It has monitor as well as TV function.

This report covers monitor function only. Its TV function test data is covered in another test report no.: F911014A01A.

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

3.2 DESCRIPTION OF TEST MODES

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

- 1024 x 768 (75Hz/60kHz)
- 800 x 600 (75Hz/47kHz)
- 640 x 480 (60Hz/31.5kHz)

The worst emission level was found when the EUT was tested under 1024x768 (60kHz) resolution, therefore only the test data of this mode was recorded in the report.

The EUT was pre-tested under the following video mode:

- (AV+S): S-VIDEO
- (AV+S): AV signal

The worst emission level was found when the EUT was tested under S-VIDEO mode, therefore only the test data of this mode was recorded in the report.

For the final test, the EUT was tested under the following condition:

Mode 1 – D-sub (1.5m)
Mode 2 – YcbCr (Y: 2.0m, cbCr: 1.0m)
Mode 3 – S-VIDEO (1.9m)

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	HP	Brio BA410	SG12106022	FCC DoC Approved
2	PRINTER	EPSON	LQ-300+	DCGY017067	FCC DoC Approved
3	MODEM	ACEEX	1414	980020504	IFAXDM1414
4	PS/2 KEYBOARD	BTC	5121W	A00801379	E5XKB5121WTH01 10
5	PS/2 MOUSE	LOGITECH	M-S61	HCA10801957	JNZ211403
6	DVD PLAY	SONY	DVP-NS305	1000944	NA
7	SOUND CARD	CREATIVE	CT4750	T4750010045665	FCC DoC Approved
8	VGA DISPLAY CARD	ELSA	ERAZOR III LT	0111011967	FCC DoC Approved
9	CASSETTE RECORDER	AIWA	HS-PS140	C1-01-014	NA
10	TV signal generator	PHILIPS	PT5820	688001	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	1.2m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core
3	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.
4	1.6 m foil shielded wire, terminated with PS/2 connector via metallic frame, w/o core.
5	1.8 m Non shielded wire, terminated with PS/2 connector via drain wire, w/o core.
6	NA
7	NA
8	NA
9	1.5 m wrapped shield wire, terminated via drain wire, with 3.5 mm phone plug x 2, w/o core.
10	NA

NOTE: 1. All power cords of the above support units are non shielded (1.8m).
2. 1.9 m shielded S-video cable and 1.2 m unshielded Video and 1.5m Audio cable were connected from support unit 6 to EUT.
3. 1.0 m unshielded CbCr & 2.0m Y cable were connected from support unit 6 to EUT.
4. A BNC shielded cable (10m) was connected from support unit 10 to EUT's tuner port.

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

NOTES: (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	847793/022	Mar. 12, 2003
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ESH2-Z5	828075/003	July 23, 2003
ROHDE & SCHWARZ 200-A Four-line V-Network	ENV4200	830326/018	Oct. 25, 2002
* ROHDE & SCHWARZ 4-wire ISN	ENY41	838119/028	Dec. 2, 2002
* ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/018	Dec. 2, 2002
EMCO-L.I.S.N. (for peripheral)	3825/2	90031627	July 23, 2003
Software	Cond-V2M1	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C05.01	July 19, 2003
LYNICS Terminator (For EMCO LISN)	0900510	E1-01-305	Feb. 20, 2003
LYNICS Terminator (For EMCO LISN)	0900510	E1-01-306	Feb. 20, 2003

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. "*": These equipment are used for conducted telecom port test only (if tested).
3. The test was performed in ADT Shielded Room No. 5.
4. The VCCI Site Registration No. is C-1093.

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.

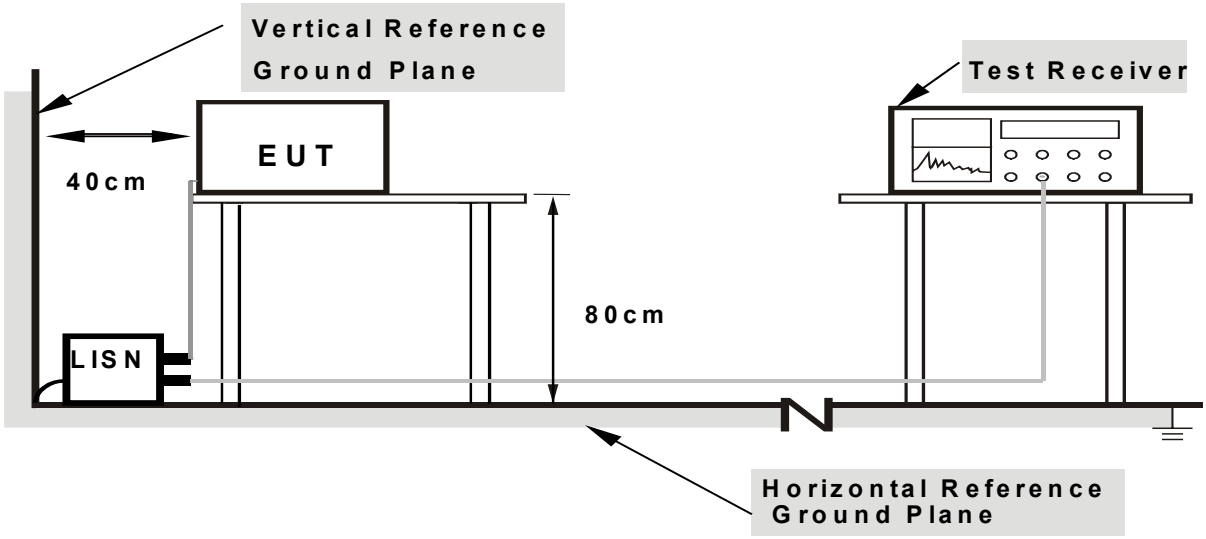
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

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 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 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

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

4.1.6 EUT OPERATING CONDITIONS

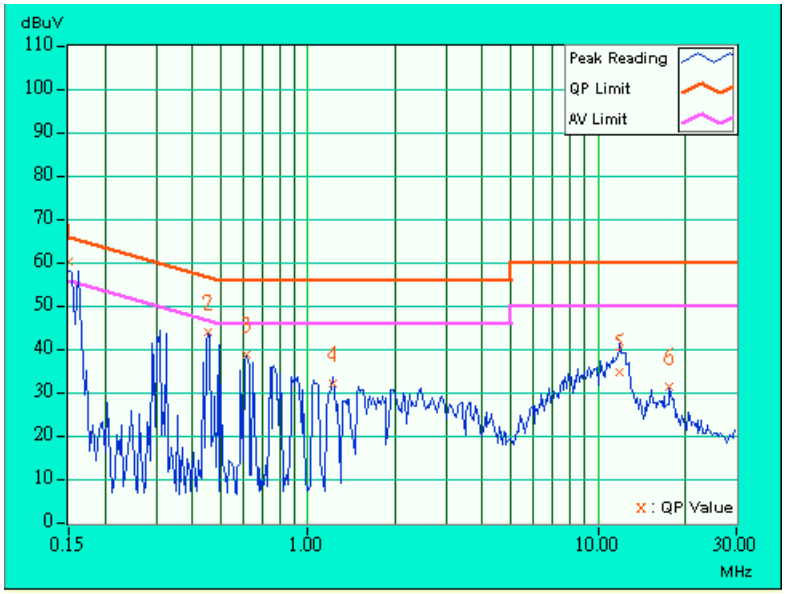
a. Turned on the power of all equipment.
b. PC ran a test program to enable all functions.
c. PC read and wrote messages from FDD and HDD.
d. DVD sent video messages (color bar 75/7.5/75/7.5 and 1 kHz audio signal) to EUT. (Mode 2,3)
e. PC sent “H” messages to 15” LCD TV MONITOR (EUT) and displayed “H” patterns on its screen. (Mode 1)
f. PC sent "H" messages to modem.
g. PC sent "H" messages to printer, and the printer printed them on paper.
h. PC sent audio messages to EUT’s int. speaker.
i. Steps c-i were repeated.

4.1.7 TEST RESULTS (A)

EUT	15” LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	1	**6dB BANDWIDTH**	9 kHz
INPUT POWER	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27 deg. C, 70 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	59.26	52.06	59.36	52.16	66.00	56.00	-6.64	-3.84
2	0.451	0.11	43.20	-	43.31	-	56.86	46.86	-13.55	-
3	0.615	0.14	37.83	-	37.97	-	56.00	46.00	-18.03	-
4	1.227	0.20	31.08	-	31.28	-	56.00	46.00	-24.72	-
5	11.918	0.68	33.72	-	34.40	-	60.00	50.00	-25.60	-
6	17.694	0.96	30.37	-	31.33	-	60.00	50.00	-28.67	-

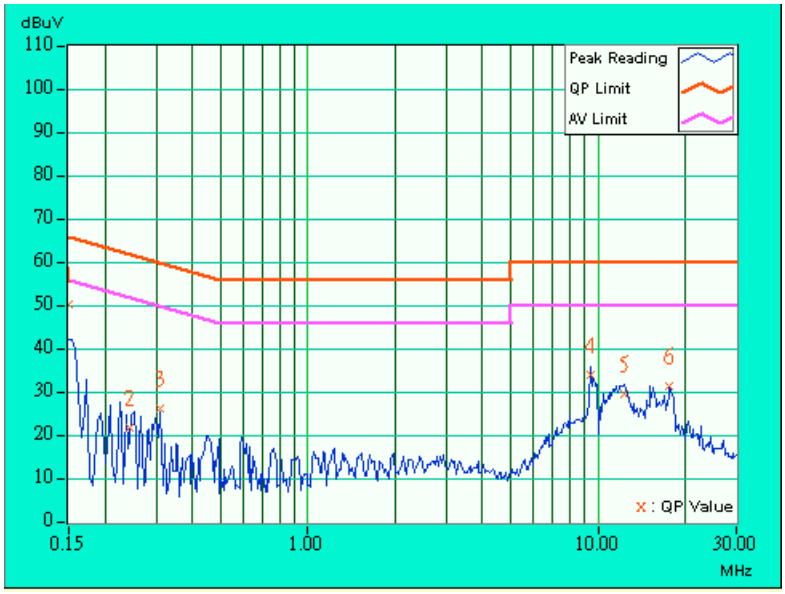
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	15” LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	1	**6dB BANDWIDTH**	9 kHz
INPUT POWER	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27 deg. C, 70 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	49.77	-	49.87	-	66.00	56.00	-16.13	-
2	0.243	0.10	21.35	-	21.45	-	61.98	51.98	-40.53	-
3	0.310	0.10	25.65	-	25.75	-	59.97	49.97	-34.22	-
4	9.461	0.39	33.46	-	33.85	-	60.00	50.00	-26.15	-
5	12.288	0.45	28.98	-	29.43	-	60.00	50.00	-30.57	-
6	17.691	0.66	30.83	-	31.49	-	60.00	50.00	-28.51	-

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. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

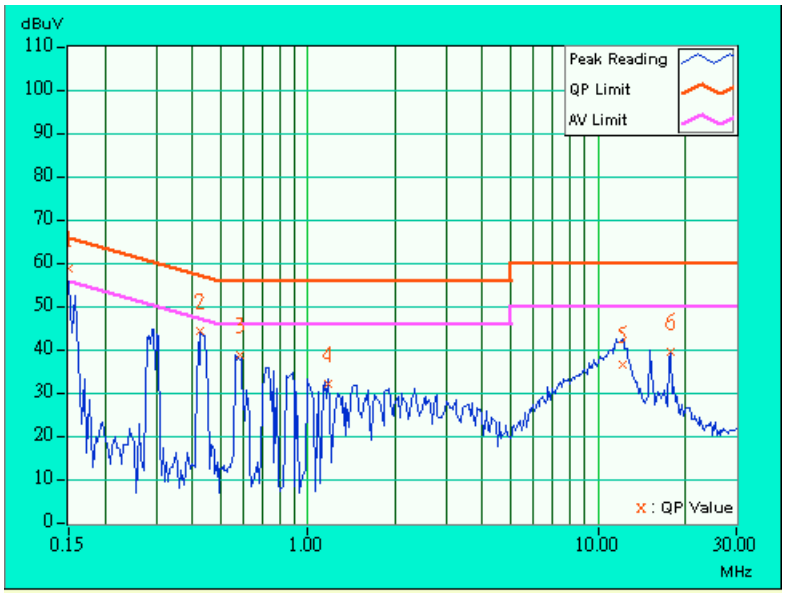


4.1.8 TEST RESULTS (B)

EUT	15” LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	2	**6dB BANDWIDTH**	9 kHz
INPUT POWER	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27 deg. C, 70 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	57.85	51.52	57.95	51.62	66.00	56.00	-8.05	-4.38
2	0.428	0.10	43.53	-	43.63	-	57.30	47.30	-13.66	-
3	0.585	0.13	37.94	-	38.07	-	56.00	46.00	-17.93	-
4	1.172	0.20	31.30	-	31.50	-	56.00	46.00	-24.50	-
5	12.146	0.69	35.60	-	36.29	-	60.00	50.00	-23.71	-
6	17.879	0.97	38.68	-	39.65	-	60.00	50.00	-20.35	-

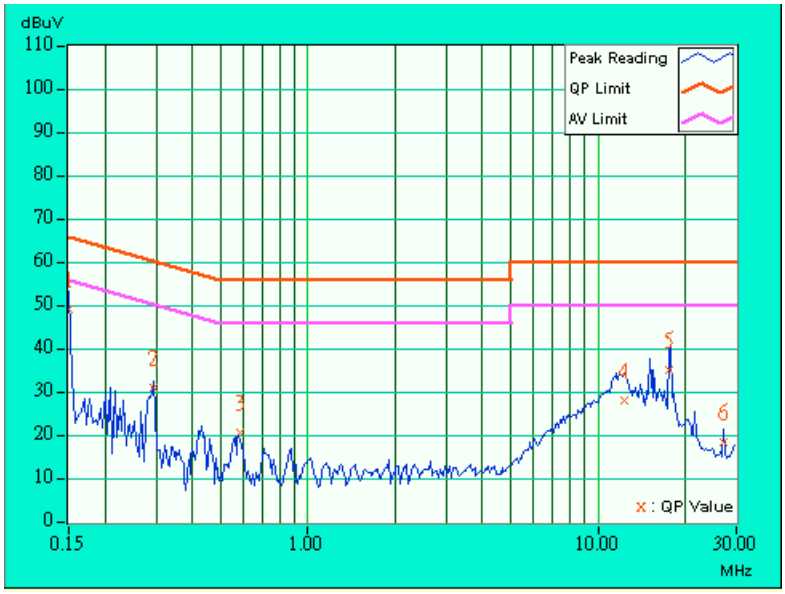
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	15” LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	2	**6dB BANDWIDTH**	9 kHz
INPUT POWER	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27 deg. C, 70 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	48.73	-	48.83	-	66.00	56.00	-17.17	-
2	0.295	0.10	30.55	-	30.65	-	60.40	50.40	-29.75	-
3	0.581	0.13	20.19	-	20.32	-	56.00	46.00	-35.68	-
4	12.344	0.45	27.66	-	28.11	-	60.00	50.00	-31.89	-
5	17.694	0.66	34.45	-	35.11	-	60.00	50.00	-24.89	-
6	27.000	0.66	18.01	-	18.67	-	60.00	50.00	-41.33	-

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. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

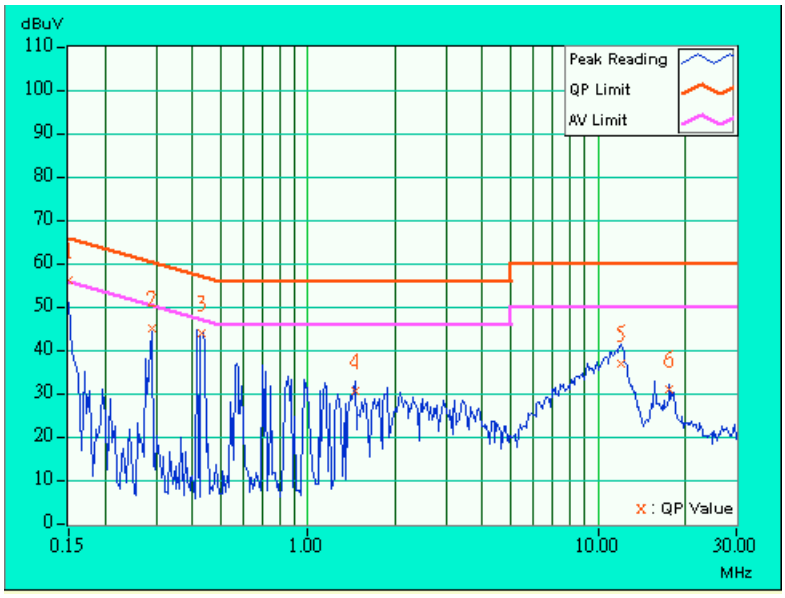


4.1.9 TEST RESULTS (C)

EUT	15” LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	3	**6dB BANDWIDTH**	9 kHz
INPUT POWER	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27 deg. C, 70 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	55.18	-	55.28	-	66.00	56.00	-10.72	-
2	0.291	0.10	44.06	-	44.16	-	60.51	50.51	-16.35	-
3	0.429	0.10	43.05	-	43.15	-	57.28	47.28	-14.13	-
4	1.449	0.20	29.74	-	29.94	-	56.00	46.00	-26.06	-
5	12.094	0.68	35.96	-	36.64	-	60.00	50.00	-23.36	-
6	17.691	0.96	30.09	-	31.05	-	60.00	50.00	-28.95	-

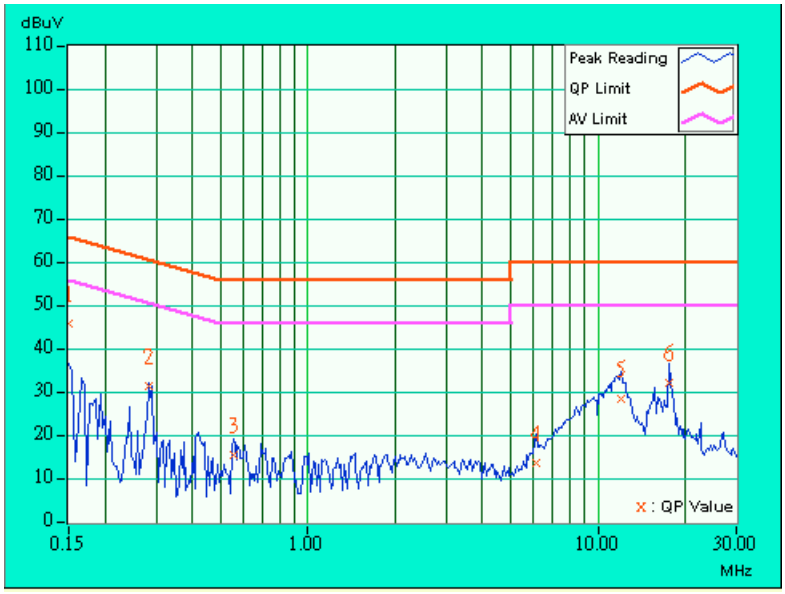
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	15” LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	3	**6dB BANDWIDTH**	9 kHz
INPUT POWER	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27 deg. C, 70 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	45.22	-	45.32	-	66.00	56.00	-20.68	-
2	0.283	0.10	30.99	-	31.09	-	60.73	50.73	-29.64	-
3	0.556	0.13	14.93	-	15.06	-	56.00	46.00	-40.94	-
4	6.113	0.34	12.95	-	13.29	-	60.00	50.00	-46.71	-
5	12.031	0.44	27.82	-	28.26	-	60.00	50.00	-31.74	-
6	17.656	0.66	31.72	-	32.38	-	60.00	50.00	-27.62	-

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. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)		Class B (at 3m)	
	uV/m	dBuV/m	uV/m	dBuV/m
30 – 88	90	39.1	100	40.0
88 – 216	150	43.5	150	43.5
216 - 960	210	46.4	200	46.0
Above 1000	300	49.5	500	54.0

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8590L	3544A01042	April 11, 2003
HP Preamplifier	8447D	2944A08313	March 24, 2003
* HP Preamplifier	8449B	3008A01201	Dec. 06, 2002
* HP Preamplifier	8449B	3008A01292	Aug. 07, 2003
* ROHDE & SCHWARZ TEST RECEIVER	ESVS 10	844594/010	Sep. 29, 2003
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 23, 2002
* ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Jan. 27, 2003
* CHASE BILOG Antenna	CBL6111A	1647	March 30, 2003
* SCHWARZBECK Horn Antenna	BBHA9120-D1	D130	July 3, 2003
* EMCO Horn Antenna	3115	9312-4192	April 9, 2003
* EMCO Turn Table	1016	1722	NA
* EMCO Tower	1051	1825	NA
* Software	ADT_Radiated_V5.06	NA	NA
* ANRITSU RF Switches	MP59B	M28342	March 30, 2003
* TIMES RF cable	LMR-600	CABLE-ST4-01	March 30, 2003

NOTE: 1. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.
2. "*" = These equipment are used for the final measurement.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The test was performed in ADT Open Site No. 4.
5. The VCCI Site Registration No. is R-1038.

4.2.3 TEST PROCEDURE

a. The EUT was placed on the top of a rotating 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.

b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. 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.

d. 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 ratable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

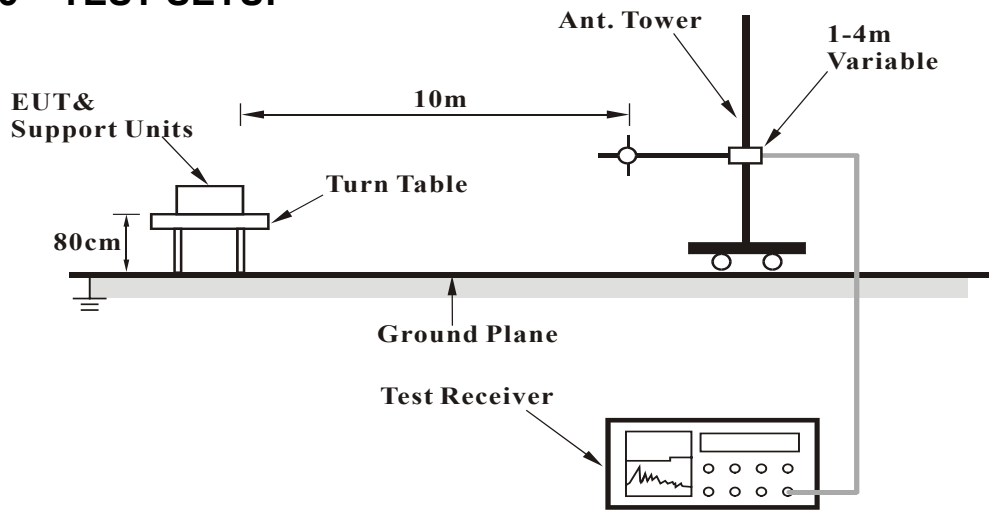
f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using the quasi- peak method or average method as specified and then reported In Data sheet peak mode and QP mode.

g. 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 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



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

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

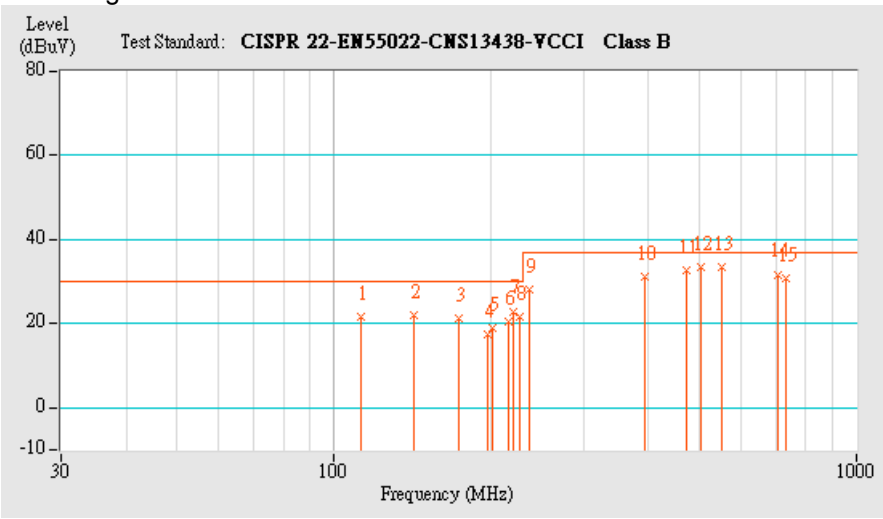
4.2.7 TEST RESULTS (A)

EUT	15" LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	1	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 66 % RH, 1005 hPa	**TESTED BY**: J.N. 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)	Correction Factor (dB/m)
1	112.86	21.7 QP	30.00	-8.30	4.00 H	109	10.10	11.50
2	141.77	22.0 QP	30.00	-8.00	4.00 H	335	9.90	12.10
3	173.28	21.2 QP	30.00	-8.80	4.00 H	90	11.20	10.10
4	196.57	17.5 QP	30.00	-12.50	4.00 H	150	7.50	10.00
5	200.24	19.0 QP	30.00	-11.00	4.00 H	147	9.00	10.00
6	216.05	20.6 QP	30.00	-9.40	4.00 H	96	9.50	11.20
7	220.63	23.0 QP	30.00	-7.00	4.00 H	241	11.50	11.50
8	225.80	21.6 QP	30.00	-8.40	4.00 H	297	9.70	11.90
9	236.13	28.3 QP	37.00	-8.70	4.00 H	97	15.60	12.60
10	394.50	31.2 QP	37.00	-5.80	2.65 H	217	13.40	17.70
11	473.50	32.6 QP	37.00	-4.40	3.49 H	272	13.10	19.40
12	502.48	33.5 QP	37.00	-3.50	4.00 H	192	13.10	20.40
13	551.30	33.6 QP	37.00	-3.40	1.21 H	322	11.10	22.50
14	708.84	31.7 QP	37.00	-5.30	4.00 H	247	8.40	23.40
15	734.29	30.8 QP	37.00	-6.20	2.49 H	213	6.50	24.30

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

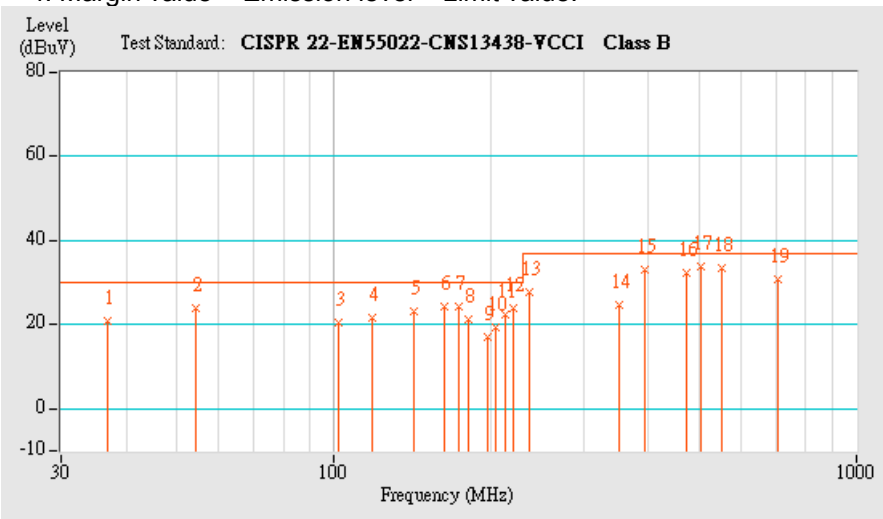


EUT	15" LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	1	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 66 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

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)	Correction Factor (dB/m)
1	36.90	20.7 QP	30.00	-9.30	1.21 V	314	4.10	16.60
2	54.46	24.0 QP	30.00	-6.00	1.00 V	11	16.00	8.00
3	102.25	20.6 QP	30.00	-9.40	1.00 V	128	9.80	10.80
4	118.06	21.5 QP	30.00	-8.50	1.00 V	123	9.70	11.90
5	141.93	23.3 QP	30.00	-6.70	1.00 V	138	11.20	12.10
6	162.01	24.2 QP	30.00	-5.80	1.00 V	338	13.70	10.50
7	173.28	24.4 QP	30.00	-5.60	1.00 V	155	14.40	10.10
8	181.18	21.1 QP	30.00	-8.90	1.00 V	52	11.30	9.80
9	196.91	17.0 QP	30.00	-13.00	1.00 V	238	7.00	10.00
10	203.11	19.4 QP	30.00	-10.60	1.00 V	241	9.20	10.20
11	212.80	22.5 QP	30.00	-7.50	1.00 V	348	11.60	10.90
12	220.70	23.9 QP	30.00	-6.10	1.00 V	280	12.40	11.50
13	236.13	27.7 QP	37.00	-9.30	1.00 V	251	15.10	12.60
14	351.03	24.6 QP	37.00	-12.40	1.00 V	203	8.30	16.40
15	394.50	33.1 QP	37.00	-3.90	1.00 V	304	15.40	17.70
16	472.55	32.3 QP	37.00	-4.70	1.00 V	309	12.80	19.40
17	502.45	33.8 QP	37.00	-3.20	1.00 V	277	13.40	20.40
18	551.31	33.6 QP	37.00	-3.40	1.00 V	332	11.10	22.50
19	708.84	30.8 QP	37.00	-6.20	3.57 V	267	7.50	23.40

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



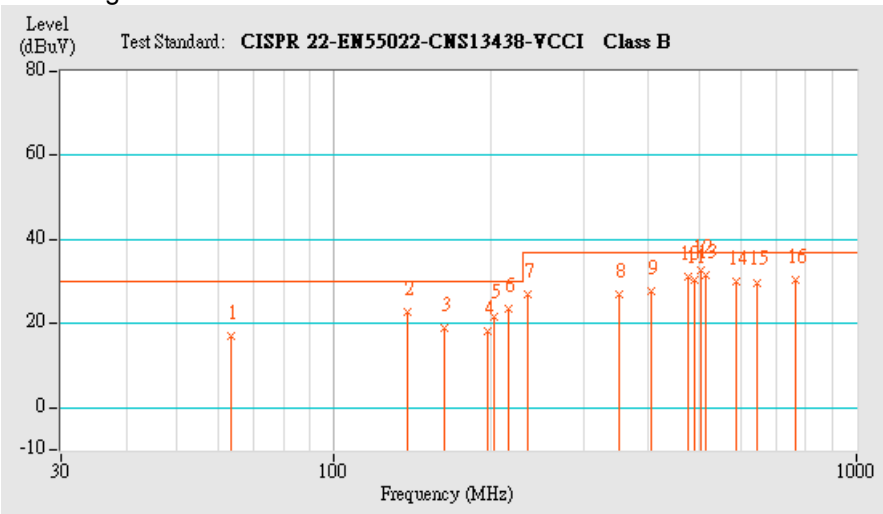
4.2.8 TEST RESULTS (B)

EUT	15" LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	2	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 66 % RH, 1005 hPa	**TESTED BY**: J.N. 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)	Correction Factor (dB/m)
1	63.53	17.0 QP	30.00	-13.00	4.00 H	37	11.00	6.00
2	138.06	22.7 QP	30.00	-7.30	4.00 H	257	10.50	12.20
3	162.16	18.9 QP	30.00	-11.10	4.00 H	176	8.40	10.50
4	197.00	18.4 QP	30.00	-11.60	4.00 H	297	8.40	10.00
5	202.40	21.8 QP	30.00	-8.20	4.00 H	232	11.60	10.20
6	216.13	23.7 QP	30.00	-6.30	4.00 H	159	12.50	11.20
7	235.43	26.9 QP	37.00	-10.10	3.62 H	139	14.40	12.60
8	350.00	27.0 QP	37.00	-10.00	3.78 H	194	10.60	16.40
9	406.00	27.7 QP	37.00	-9.30	2.79 H	129	9.70	18.00
10	475.00	31.1 QP	37.00	-5.90	2.49 H	180	11.60	19.50
11	490.00	30.4 QP	37.00	-6.60	3.07 H	279	10.40	20.00
12	502.50	32.8 QP	37.00	-4.20	1.00 H	74	12.50	20.40
13	515.50	31.6 QP	37.00	-5.40	1.97 H	75	10.60	21.00
14	590.50	29.9 QP	37.00	-7.10	2.74 H	124	7.60	22.30
15	645.00	29.8 QP	37.00	-7.20	2.25 H	319	7.10	22.70
16	762.50	30.3 QP	37.00	-6.70	2.94 H	198	5.30	25.00

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

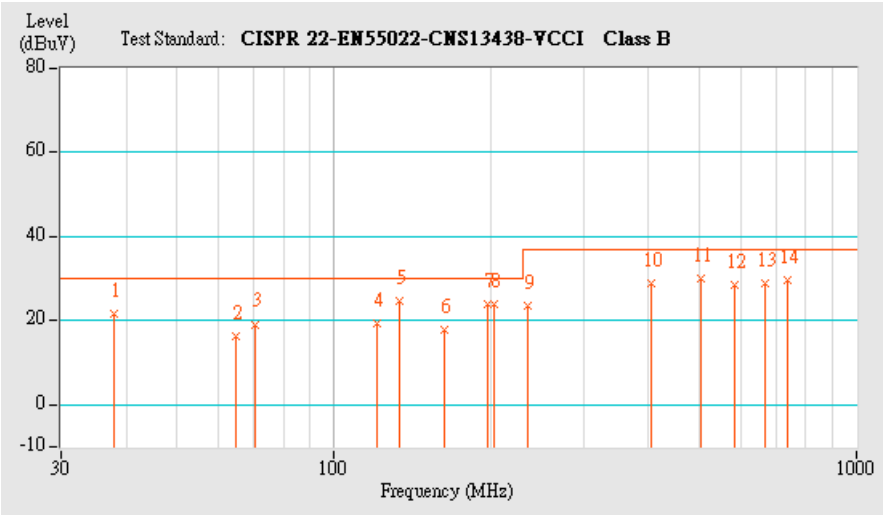


EUT	15" LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	2	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 66 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

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)	Correction Factor (dB/m)
1	37.86	21.5 QP	30.00	-8.50	1.00 V	167	5.00	16.50
2	64.96	16.3 QP	30.00	-13.70	1.57 V	47	10.30	6.00
3	70.73	19.2 QP	30.00	-10.80	1.00 V	335	13.20	6.00
4	121.02	19.4 QP	30.00	-10.60	1.00 V	141	7.40	12.00
5	133.73	24.6 QP	30.00	-5.40	1.00 V	281	12.50	12.20
6	162.02	17.9 QP	30.00	-12.10	1.00 V	334	7.40	10.50
7	196.63	23.9 QP	30.00	-6.10	1.00 V	28	14.00	10.00
8	202.75	24.0 QP	30.00	-6.00	1.00 V	109	13.80	10.20
9	235.25	23.6 QP	37.00	-13.40	1.00 V	271	11.10	12.60
10	405.50	29.0 QP	37.00	-8.00	1.00 V	171	11.00	18.00
11	501.96	30.0 QP	37.00	-7.00	1.00 V	26	9.60	20.30
12	586.30	28.5 QP	37.00	-8.50	2.38 V	215	6.20	22.30
13	670.00	29.0 QP	37.00	-8.00	1.68 V	170	6.10	22.90
14	740.00	29.7 QP	37.00	-7.30	1.07 V	179	5.10	24.60

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

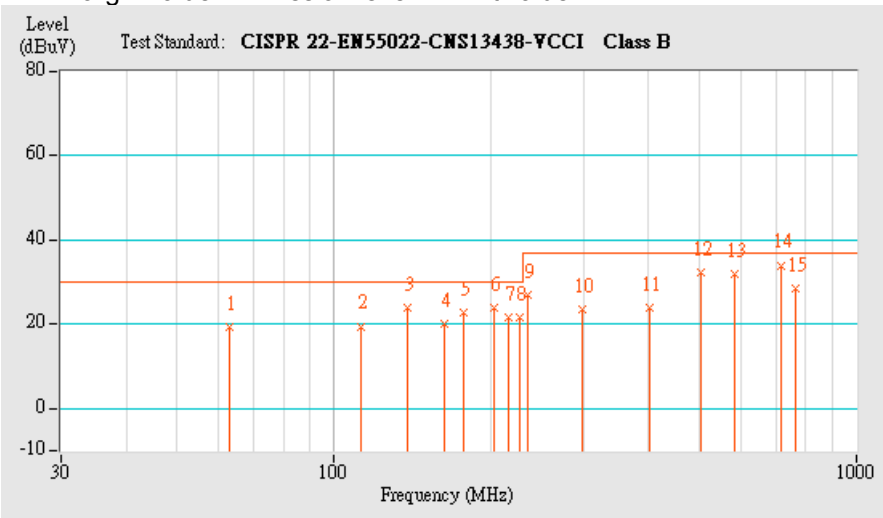


4.2.9 TEST RESULTS (C)

EUT	15" LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	3	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 66 % RH, 1005 hPa	**TESTED BY**: J.N. 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)	Correction Factor (dB/m)
1	63.00	19.4 QP	30.00	-10.60	4.00 H	33	13.40	6.00
2	112.86	19.5 QP	30.00	-10.50	4.00 H	163	8.00	11.50
3	137.80	23.9 QP	30.00	-6.10	4.00 H	138	11.70	12.20
4	162.01	20.2 QP	30.00	-9.80	4.00 H	333	9.60	10.50
5	176.35	22.6 QP	30.00	-7.40	4.00 H	160	12.70	9.90
6	202.43	23.8 QP	30.00	-6.20	4.00 H	151	13.60	10.20
7	216.14	21.6 QP	30.00	-8.40	4.00 H	104	10.40	11.20
8	225.87	21.8 QP	30.00	-8.20	4.00 H	214	9.90	11.90
9	235.25	27.0 QP	37.00	-10.00	2.98 H	67	14.40	12.60
10	297.74	23.4 QP	37.00	-13.60	2.50 H	294	8.70	14.70
11	401.30	23.8 QP	37.00	-13.20	1.00 H	228	5.90	17.90
12	502.55	32.4 QP	37.00	-4.60	1.34 H	266	12.00	20.40
13	585.00	31.9 QP	37.00	-5.10	2.47 H	212	9.60	22.30
14	715.99	34.0 QP	37.00	-3.00	4.00 H	136	10.40	23.60
15	761.90	28.7 QP	37.00	-8.30	4.00 H	131	3.60	25.00

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

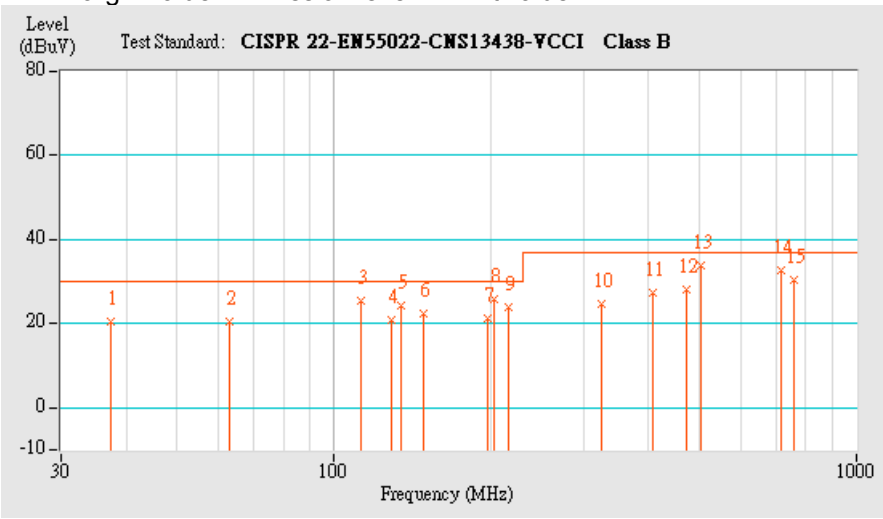


EUT	15" LCD TV MONITOR	**MODEL NO.**	JC166H12U
MODE	3	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 66 % RH, 1005 hPa	**TESTED BY**: J.N. Chen	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M

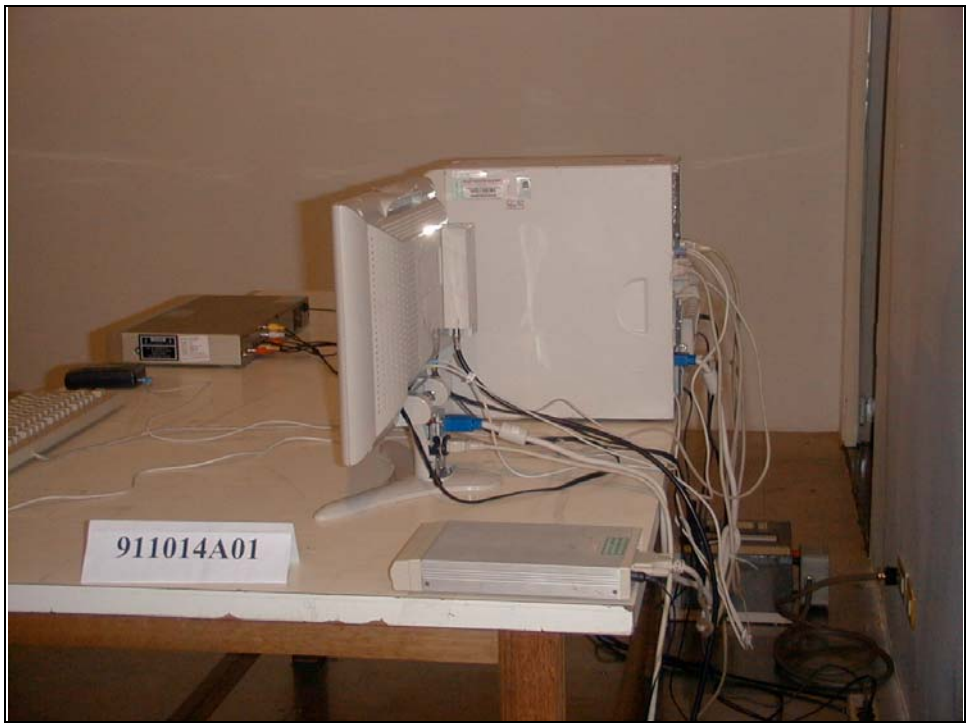
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.28	20.6 QP	30.00	-9.40	4.00 V	186	4.00	16.60
2	63.03	20.3 QP	30.00	-9.70	1.00 V	170	14.30	6.00
3	112.86	25.4 QP	30.00	-4.60	1.00 V	1	13.90	11.50
4	129.10	20.9 QP	30.00	-9.10	1.00 V	121	8.80	12.10
5	133.90	24.3 QP	30.00	-5.70	1.00 V	57	12.20	12.20
6	148.51	22.4 QP	30.00	-7.60	1.00 V	34	10.90	11.50
7	197.00	21.2 QP	30.00	-8.80	1.00 V	136	11.20	10.00
8	202.55	26.0 QP	30.00	-4.00	1.00 V	297	15.80	10.20
9	216.20	23.8 QP	30.00	-6.20	1.00 V	228	12.60	11.20
10	324.50	24.6 QP	37.00	-12.40	1.00 V	37	9.10	15.50
11	407.00	27.3 QP	37.00	-9.70	1.00 V	127	9.30	18.00
12	473.50	28.1 QP	37.00	-8.90	1.00 V	144	8.70	19.40
13	502.16	33.9 QP	37.00	-3.10	1.00 V	201	13.60	20.40
14	718.80	32.8 QP	37.00	-4.20	3.67 V	192	9.10	23.70
15	758.80	30.6 QP	37.00	-6.40	2.42 V	273	5.60	25.00

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

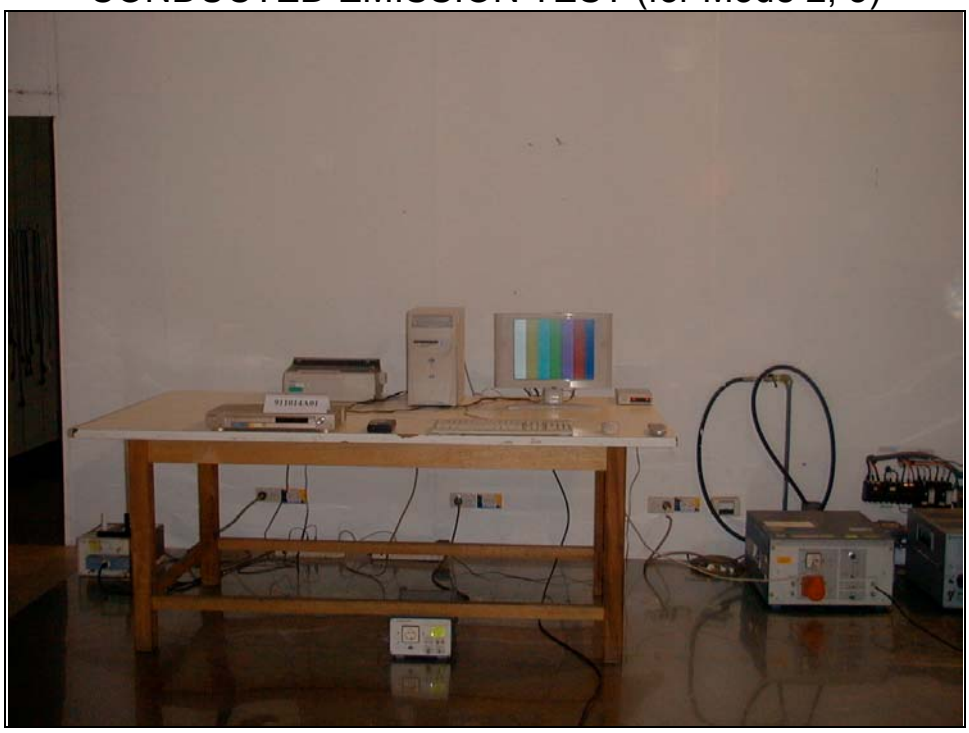


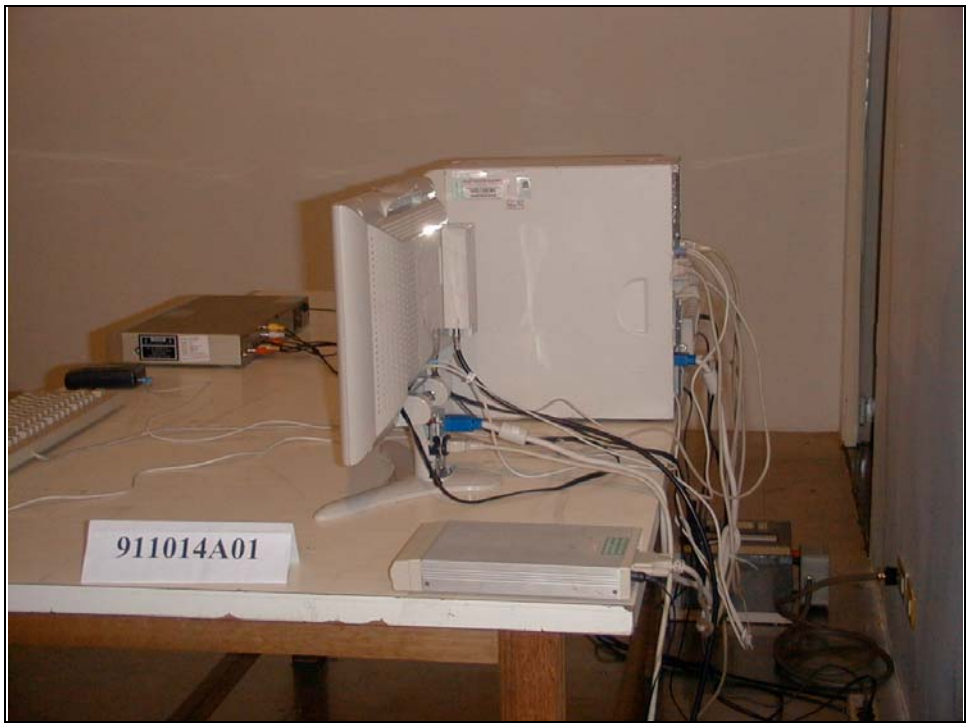
5 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST (for Mode 1)



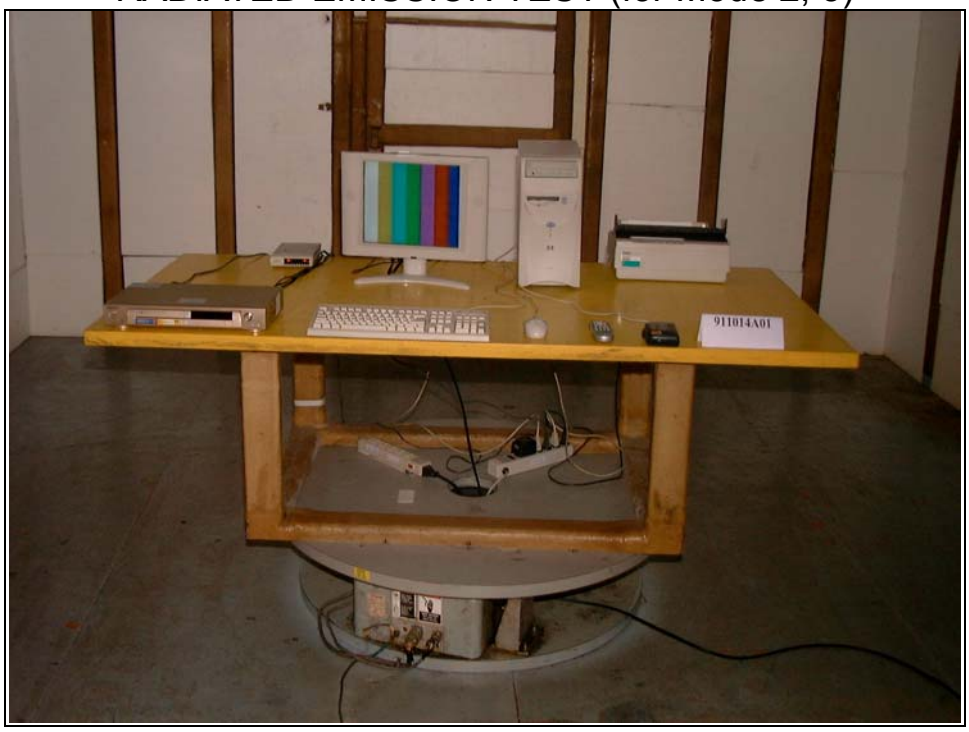
CONDUCTED EMISSION TEST (for Mode 2, 3)





RADIATED EMISSION TEST (for Mode 1)

RADIATED EMISSION TEST (for Mode 2, 3)



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 and approved by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

USA	FCC, NVLAP, UL
Germany	TUV Rheinland
Japan	VCCI
New Zealand	MoC
Norway	NEMKO
Canada	INDUSTRY CANADA
R.O.C.	CNLA, 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:

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

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Tel: 886-3-3270910
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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.