



# FCC TEST REPORT

**REPORT NO.:** F930420A06-ID

**MODEL NO.:** \*20W\*\*\*\*\*

**OEM MODEL NO.:** LT2020

**PART NO.:** TVSPV301AAUSN01

**RECEIVED:** April 20, 2004

**TESTED:** April 22, 2004

**APPLICANT:** Top Victory Electronics (Taiwan) Co., Ltd.

**ADDRESS:** 18F, No. 738, Chung Cheng Road, Chung Ho,  
Taipei Hsien, Taiwan 235

**ISSUED BY:** Advance Data Technology Corporation

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

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0528  
ILAC MRA



Lab Code: 200102-0



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## 1 CERTIFICATION

**PRODUCT:** LCD TV MONITOR  
**BRAND NAME:** AOC, Envision,  
**MODEL NO.:** \*20W\*\*\*\*\* (The "\*" in model name could be defined as any alphanumeric character including blank for marketing differentiation.)  
**OEM BRAND NAME:** Norcent  
**OEM MODEL NO.:** LT2020  
**PART NO.:** TVSPV301AAUSN01  
**APPLICANT:** TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.  
**TESTED:** Apr. 19, 2004  
**TEST ITEM:** R&D SAMPLE  
**STANDARDS:** FCC Part 15, Subpart B, Class B  
ANSI C63.4-1992  
ICES-003: 2004

The above equipment (representative model: E20W221) has been tested by Advance Data Technology Corporation, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY:** Kay Chen , **DATE:** April 27, 2004  
( Kay Chen )

**APPROVED BY:** Mike Su. , **DATE:** April 27, 2004  
( Mike Su, 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	Conducted Test	PASS	Meets Class B Limit Minimum passing margin is -16.25dB at 0.201MHz
ICES-003: 2004	Radiated Test	PASS	Meets Class B Limit Minimum passing margin is -5.32dB at 75.25MHz

**NOTE:** The information of measurement uncertainty is available upon the customer's request.



### 3 GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT</b>	LCD TV MONITOR
<b>MODEL NO.</b>	*20W*****
<b>OEM MODEL NO.</b>	LT2020
<b>PART NO.</b>	TVSPV301AAUSN01
<b>POWER SUPPLY</b>	Switching Input rating: 100-120V, 1.5A, 60Hz
<b>DATA CABLE SUPPLIED</b>	Shielded VGA cable (1.8m) with two ferrite cores Non-shielded audio cable (1.7m)

**NOTE:**

1. The EUT is a LCD TV Monitor with built-in TV tuner and speaker. The EUT has the following connectors: VGA input, 2x AV input, S-video input, Component and TV tuner.
2. This report covers EUT monitor function only and it is with resolution up to 800x600. And Its TV function testing is covered in another test report: F930420A06.
3. The EUT has two models no., which are identical to each other for their brands only, as the following:

<b>Brand</b>	<b>Model</b>
AOC, Envision	*20W*****
Norcent	LT2020

The "\*" in model name: \*20W\*\*\*\*\* could be defined as any alphanumeric character including blank for marketing differentiation. **Model: E20W221** was selected as a representative model for the test. Therefore, only its test data was recorded in this report.

4. 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 & horizontal synchronization speed modes:

- ◆ 800x600 (75Hz/47kHz)
- ◆ 800x600 (60Hz/38kHz)
- ◆ 640x480 (60Hz/31.5kHz)

The worst emission level was found when the EUT was tested under **800x600 (75Hz/47kHz)** resolution. Therefore only the test data of this mode was recorded in this report.



### 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	LEO	Persica 8620G	1A36I98A000218	FCC DoC Approved
2	MODEM	ACEEX	1414	0206026755	IFAXDM1414
3	PRINTER	EPSON	LQ-300+	DCGY017057	FCC DoC Approved
4	PS/2 KEYBOARD	BTC	5200T	F24800238	E5XKB5122WTH0110
5	PS/2 MOUSE	BTC	M851	M4-010359	E5XMSM860
6	EARPHONE	PHILIPS	SBC HL145	H2-010094	N/A
7	SPEAKER	SANYO	SYSP-802	SP0750004030119 8	N/A
8	DVD player	SONY	DVP-NS530	1003747	Verification
9	DVD player	SONY	DVP-NS530	1003168	Verification
10	VGA DISPLAY CARD	ELSA	ERAZOR III LT	0111011946	FCC DoC Approved
11	MULTIFORMAT Pattern Generator	LEADER	LT 447	3987644	N/A

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	1.6 m foil shielded wire, terminated with PS/2 connector via metallic frame, w/o core.
5	1.5 m Non shielded wire, terminated with PS/2 connector via drain wire, w/o core.
6	1.2 m wrapped shielded wire, terminated with 3.5mm phone plug via drain wire, w/o core.
7	1.4 m wrapped shielded wire, terminated via drain wire, with 3.5 mm phone plug, w/o core.
8	1.8m Shielded S-Video cable 1.8m Shielded AV cable
9	1.8m Shielded S-Video cable 1.8m Shielded AV cable
10	N/A
11	1.8m Shielded component cable

- NOTE:**
1. All power cords of the above support units are non-shielded (1.8m).
  2. A non-shielded audio cable (1.7m) was connected to support unit 1.
  3. A BNC cable (1.5m) was connected to tuner port of EUT to form an open loop cable.
  4. VGA card was installed in support unit. 1.



## 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	ESCS 30	838251/021	Jan. 4, 2005
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ESH3-Z5	100218	Dec. 9, 2004
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100219	Dec. 9, 2004
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100220	Dec. 9, 2004
ROHDE & SCHWARZ 4-wire ISN	ENY41	837032/016	Nov. 19, 2004
ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/016	Nov. 19, 2004
Software	ADT_Cond_V7.3.1	NA	NA
Software	ADT_ISN_V7.3.1	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C10.01	May 1, 2004
SUHNER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-010770	Feb. 28, 2005
SUHNER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-010773	Feb. 28, 2005

- 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. 10.
4. The VCCI Site Registration No. C-1312.

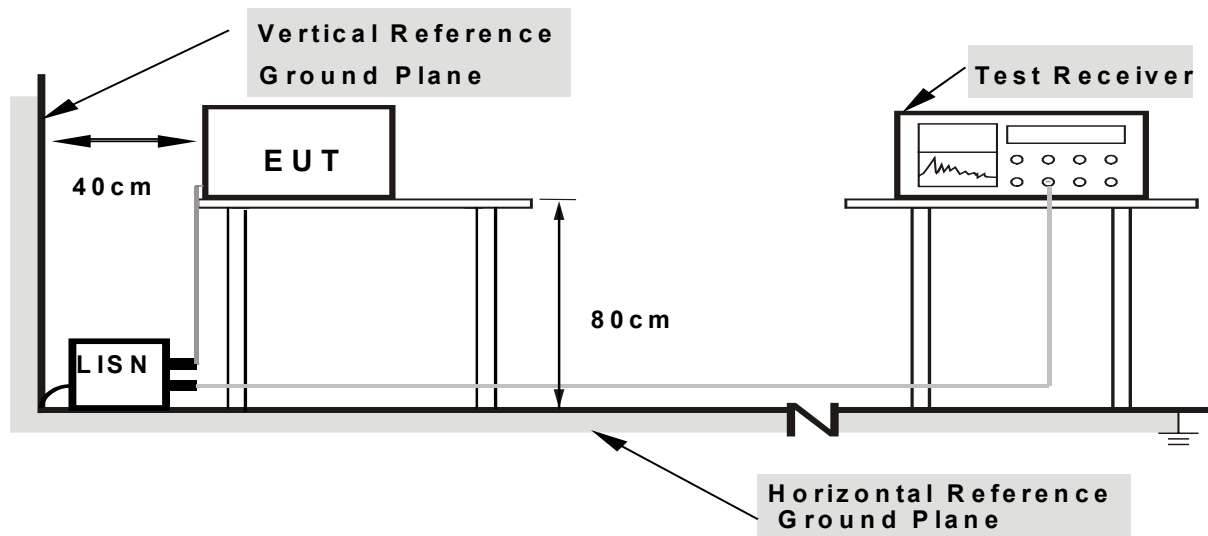
### 4.1.3 TEST PROCEDURE

- 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 under (Limit - 20dB) was not recorded.

### 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. PC sent "H" messages to LCD TV Monitor (EUT), then EUT displayed "H" patterns on its screen.
- e. PC sent "H" messages to modem.
- f. PC sent "H" messages to printer, and the printer printed them out.
- g. PC sent audio message to external earphone / speaker or speaker via EUT.
- h. Step c-h were repeated.

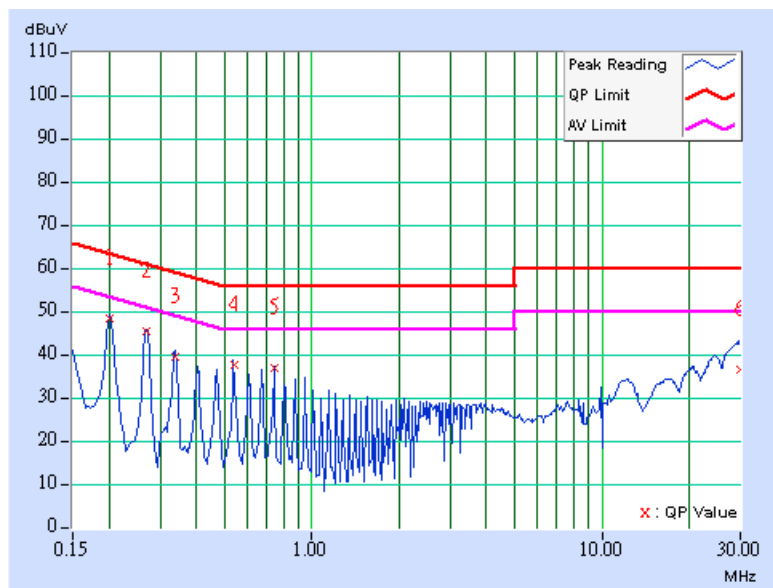


### 4.1.7 TEST RESULTS

<b>EUT</b>	LCD TV Monitor	<b>MODEL NO.</b>	E20W221
<b>MODE</b>	800x600 (75Hz/47kHz)	<b>6dB BANDWIDTH</b>	9kHz
<b>INPUT POWER</b>	120Vac, 60Hz	<b>PHASE</b>	Line (L)
<b>ENVIRONMENTAL CONDITIONS</b>	24 deg. C, 75 % RH, 1005 hPa	<b>TESTED BY:</b> Ian Chang	

No	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.
1	0.201	0.10	47.17	-	47.27	-	63.58	53.58	-16.31	-
2	0.269	0.10	44.40	-	44.50	-	61.14	51.14	-16.64	-
3	0.338	0.10	38.43	-	38.53	-	59.26	49.26	-20.73	-
4	0.539	0.12	36.40	-	36.52	-	56.00	46.00	-19.48	-
5	0.740	0.16	35.81	-	35.97	-	56.00	46.00	-20.03	-
6	30.000	1.20	35.58	-	36.78	-	60.00	50.00	-23.22	-

- 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.

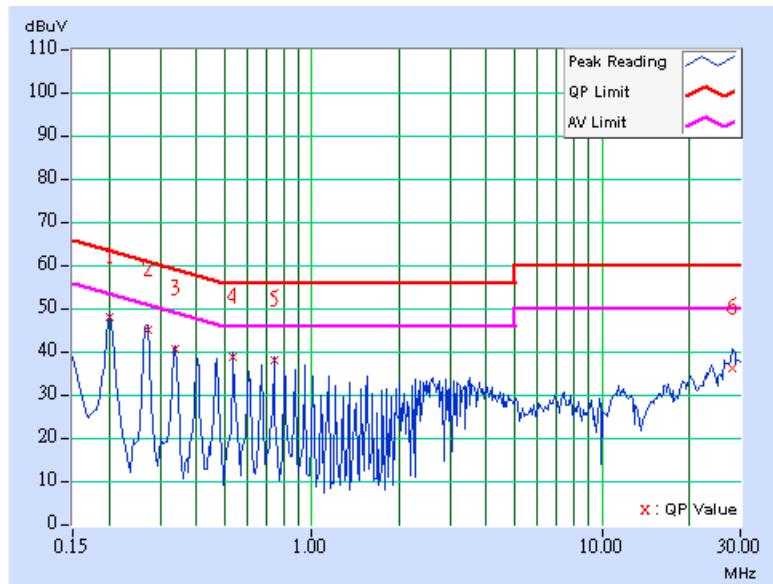




<b>EUT</b>	LCD TV Monitor	<b>MODEL NO.</b>	E20W221
<b>MODE</b>	800x600 (75Hz/47kHz)	<b>6dB BANDWIDTH</b>	9kHz
<b>INPUT POWER</b>	120Vac, 60Hz	<b>PHASE</b>	Neutral (N)
<b>ENVIRONMENTAL CONDITIONS</b>	24 deg. C, 75 % RH, 1005 hPa	<b>TESTED BY:</b> Ian Chang	

No	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.
1	0.201	0.10	47.23	-	47.33	-	63.58	53.58	-16.25	-
2	0.271	0.10	44.15	-	44.25	-	61.08	51.08	-16.83	-
3	0.338	0.10	39.67	-	39.77	-	59.26	49.26	-19.49	-
4	0.537	0.12	38.03	-	38.15	-	56.00	46.00	-17.85	-
5	0.740	0.16	37.26	-	37.42	-	56.00	46.00	-18.58	-
6	28.246	1.00	35.40	-	36.40	-	60.00	50.00	-23.60	-

- 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 FOR FREQUENCY BELOW 1000 MHz

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

### 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.

### FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower



## 4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
* HP Spectrum Analyzer	8591E	3308A01367	Mar 16, 2005
HP Preamplifier	8447F	3113A05767	Sept. 22, 2004
* HP Preamplifier	8449B	3008A01924	Oct. 12, 2004
* HP Preamplifier	8449B	3008A01638	Oct. 17, 2004
* ROHDE & SCHWARZ TEST RECEIVER	ESCS 30	100275	Oct. 22, 2004
SCHWARZBECK Tunable Dipole Antenna	VHA 9103	NA	Nov. 15, 2004
SCHWARZBECK Tunable Dipole Antenna	UHA 9105	977	
* ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Feb. 12, 2005
*CHASE BILOG Antenna	CBL6112A	2331	Oct. 17, 2004
* EMCO Horn Antenna	3115	6714	Nov. 26, 2004
* EMCO Horn Antenna	3115	9312-4192	Feb. 28, 2005
* ADT. Turn Table	TT100	0308	NA
* ADT. Tower	AT100	0308	NA
* Software	ADT_Radiated_V5.14	NA	NA
* ANRITSU RF Switches	MP59B	M32159	Oct. 11, 2004
* TIMES RF cable	LMR-600	CABLE-ST8-01	Oct. 11, 2004

- 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. 8.
  5. The VCCI Site Registration No. R-877.



### 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 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 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 rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

**NOTE:**

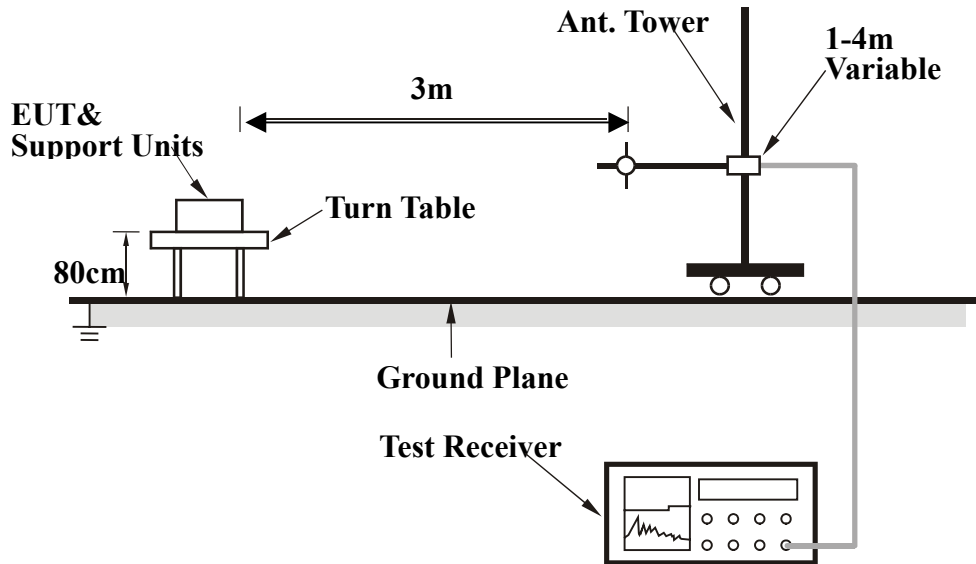
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz for Average detection (AV) at frequency above 1GHz.
3. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the interference antenna.

### 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 item 4.1.6.



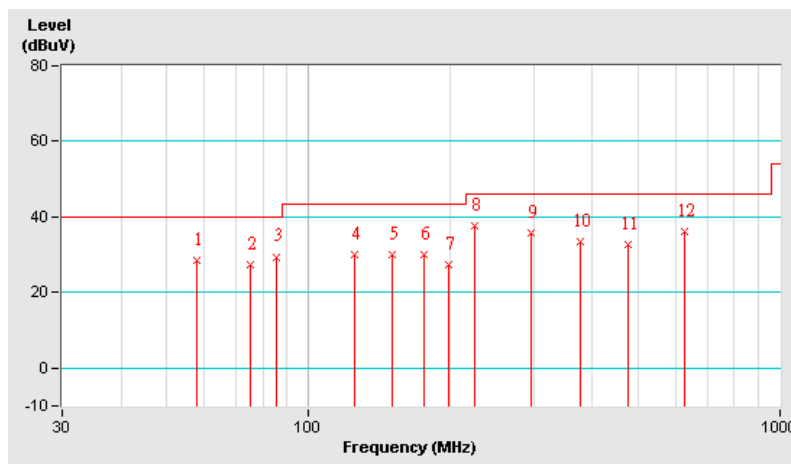
### 4.2.7 TEST RESULTS

<b>EUT</b>	LCD TV Monitor	<b>MODEL NO.</b>	E20W221
<b>MODE</b>	800x600 (75Hz/47kHz)	<b>INPUT POWER</b>	120Vac, 60Hz
<b>FREQUENCY RANGE</b>	30-1000MHz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Quasi-Peak, 120kHz
<b>ENVIRONMENTAL CONDITIONS</b>	24 deg. C, 73 % RH, 1005 hPa	<b>TESTED BY:</b> Ian Chang	

#### 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	57.70	28.37 QP	40.00	-11.63	1.98 H	10	21.30	7.07
2	75.23	27.28 QP	40.00	-12.72	3.08 H	8	19.93	7.35
3	85.26	29.47 QP	40.00	-10.53	4.00 H	69	21.01	8.46
4	125.48	30.12 QP	43.50	-13.38	3.00 H	287	17.26	12.86
5	150.25	30.15 QP	43.50	-13.35	2.60 H	5	18.90	11.25
6	175.25	30.01 QP	43.50	-13.49	1.00 H	208	20.10	9.91
7	198.50	27.50 QP	43.50	-16.00	1.50 H	111	17.27	10.23
8	225.00	37.73 QP	46.00	-8.27	1.00 H	208	25.95	11.78
9	297.41	35.71 QP	46.00	-10.29	1.00 H	318	20.35	15.36
10	376.50	33.44 QP	46.00	-12.56	1.58 H	254	16.11	17.33
11	477.50	32.67 QP	46.00	-13.33	2.05 H	344	13.16	19.51
12	626.30	36.11 QP	46.00	-9.89	2.97 H	112	13.96	22.15

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  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.



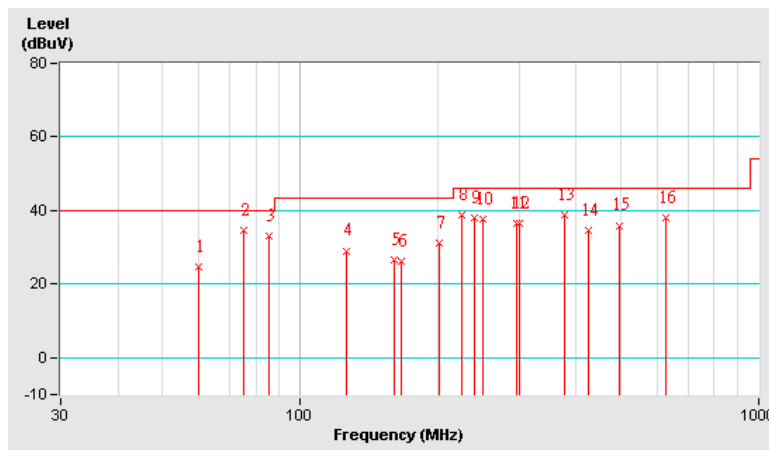


<b>EUT</b>	LCD TV Monitor	<b>MODEL NO.</b>	E20W221
<b>MODE</b>	800x600 (75Hz/47kHz)	<b>INPUT POWER</b>	120Vac, 60Hz
<b>FREQUENCY RANGE</b>	30-1000 MHz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Quasi-Peak, 120kHz
<b>ENVIRONMENTAL CONDITIONS</b>	20 deg. C, 74 % RH, 1005 hPa	<b>TESTED BY:</b> Ian Chang	

**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	60.19	24.52 QP	40.00	-15.48	1.98 V	204	18.87	5.65
<b>2</b>	<b>75.25</b>	<b>34.68 QP</b>	<b>40.00</b>	<b>-5.32</b>	<b>1.00 V</b>	<b>246</b>	<b>27.32</b>	<b>7.36</b>
3	85.27	32.98 QP	40.00	-7.02	1.32 V	15	24.52	8.46
4	126.26	29.08 QP	43.50	-14.42	1.00 V	318	16.25	12.83
5	160.49	26.74 QP	43.50	-16.76	1.00 V	333	16.50	10.24
6	165.50	26.18 QP	43.50	-17.32	1.00 V	276	16.05	10.13
7	200.60	31.18 QP	43.50	-12.32	2.77 V	1	20.88	10.30
8	225.68	38.96 QP	46.00	-7.04	2.02 V	343	27.14	11.82
9	239.00	37.94 QP	46.00	-8.06	1.00 V	155	25.32	12.62
10	250.77	37.71 QP	46.00	-8.29	2.25 V	339	24.32	13.39
11	297.42	36.49 QP	46.00	-9.51	1.27 V	214	21.13	15.36
12	300.10	36.64 QP	46.00	-9.36	1.99 V	70	21.21	15.43
13	376.00	38.76 QP	46.00	-7.24	1.64 V	169	21.45	17.31
14	426.20	34.47 QP	46.00	-11.53	1.49 V	286	16.00	18.47
15	495.40	35.92 QP	46.00	-10.08	2.09 V	13	15.85	20.07
16	626.30	38.11 QP	46.00	-7.89	1.00 V	294	15.96	22.15

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  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



### RADIATED EMISSION TEST





## 6 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

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

<b>USA</b>	FCC, NVLAP, UL
<b>Germany</b>	TUV Rheinland
<b>Japan</b>	VCCI
<b>Norway</b>	NEMKO
<b>Canada</b>	INDUSTRY CANADA , CSA
<b>R.O.C.</b>	CNLA, BSMI, DGT
<b>Netherlands</b>	Telefication
<b>Singapore</b>	PSB , GOST-ASIA(MOU)
<b>Russia</b>	CERTIS(MOU)

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](http://www.adt.com.tw/index.5/phtml).  
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The address and road map of all our labs can be found in our web site also.

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