



FCC TEST REPORT

REPORT NO. : RF931227H03

MODEL NO. : DTZ-2100

RECEIVED : Jan. 01, 2005

TESTED : Jan. 06 to 14, 2004

ISSUED : Jan. 14, 2005

APPLICANT : Coretronic Corp.

ADDRESS : No. 2, Ke Bei Rd. 5th, Science-Based Industrial Park, Chu-Nan 350, Miao-Li Country, Taiwan, R.O.C.

ISSUED BY : Advance Data Technology Corporation

LAB LOCATION : No. 81-1, Lu Liao Keng, 9 Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien, Taiwan, R.O.C.

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0536
ILAC MRA



No. 2177-01

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1 CERTIFICATION

PRODUCT : LCD Monitor
MODEL NO. : DTZ-2100
BRAND : Wacom
APPLICANT : Coretronic Corp.
STANDARDS : 47 CFR Part 15, Subpart C (Section 15.209),
ANSI C63.4-2003

The above equipment (Model: DTZ-2100) 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 : Midoli Peng , **DATE:** Jan. 14, 2005
(Midoli Peng)

TECHNICAL ACCEPTANCE : Hank Chung , **DATE:** Jan. 14, 2005
Responsible for RF (Hank Chung)

APPROVED BY : Eric Lin , **DATE:** Jan. 14, 2005
(Eric Lin, Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: 47 CFR Part 15, Subpart C			
Standard	Test Type	Result	Remarks
47 CFR Part 15, Subpart C	Conducted Test	PASS	Meets Class B Limit Minimum passing margin is -16.71 dB at 4.695 MHz
	Radiated Test	PASS	Meets Class B Limit Minimum passing margin is -1.7 dB at 860.18 MHz

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

Measurement	Value
Conducted emissions	2.53 dB
Radiated emissions (30MHz-1GHz)	3.46 dB
Radiated emissions (1GHz ~18GHz)	2.32 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	LCD Monitor
MODEL NO.	DTZ-2100
POWER SUPPLY	Power adapter , Class I
FREQUENCY RANGE	666.7KHz
DATA CABLE	Y type cable (Shielded, 3m, with two cores)
POWER CORD	DC output cable (Unshielded, 1.8m, with two cores), for adapter : LSE0111C1280 DC output cable (Unshielded, 1.8m, with one core), for adapter : LSE0452B1280
ANTENNA TYPE	Loop Antenna
I/O PORTS	NA
ASSOCIATED DEVICES	NA

Note:

1. The EUT must be supplied with a power adapter and following two different models could be chosen:

Adapter	Brand	Model No.	Spec.
Adapter 1	LI-SHIN	LSE0111C1280	Input: 100-240V~, 50/60Hz, 2.0 A Output: 12 Vdc, 6.67 A, 80W max
Adapter 2	LI-SHIN	LSE0452B1280	Input: 100-240V~, 50/60Hz, 1.5 A Output: 12 V 6.67A

2. The EUT may consist with the following LCD panel

Brand	Model No.
HITACHI	TX54D11VCOXXX ("X"-->0-9,A-Z or blank)

3. The EUT was pre-tested under the following modes:

**Sample 1: With SAMPO inverter

Pre-test Mode	Sample	Adapter	Description
Mode A	Sample 1	Adapter 1	1600*1200/60Hz with digital
Mode B			1280*1024/75Hz with digital
Mode C			1024*768/75Hz with digital
Mode D			640*480/60Hz with digital
Mode E			1600*1200/60Hz with analog
Mode F			1280*1024/75Hz with analog
Mode G			1024*768/75Hz with analog
Mode H			640*480/60Hz with analog

From the above modes, the worst emission levels were found in **Mode A and Mode E**. Therefore only the test data of the modes were recorded in this report individually.

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

3.2 DESCRIPTION OF TEST MODES

One channel is provided to this EUT.

Channel	Frequency
1	666.7KHz

NOTE: X, Y and Z axis were pre-tested in chamber.
The X axis, worst case one, was chosen for final test.

The EUT was tested with the following test mode:

**Sample 1: With SAMPO inverter

**Sample 2: With EMAX inverter

Conduction test			
Test Mode	Sample	Adapter	Description
Mode 1	Sample 1	Adapter 1	1600*1200/60Hz with digital
Mode 2	Sample 1	Adapter 1	1600*1200/60Hz with analog
Mode 3	Sample 1	Adapter 2	1600*1200/60Hz with digital
Mode 4	Sample 1	Adapter 2	1600*1200/60Hz with analog
Mode 5	Sample 2	Adapter 1	1600*1200/60Hz with digital
Mode 6	Sample 2	Adapter 1	1600*1200/60Hz with analog
Mode 7	Sample 2	Adapter 2	1600*1200/60Hz with digital
Mode 8	Sample 2	Adapter 2	1600*1200/60Hz with analog
Radiation test			
Test Mode	Sample	Adapter	Description
Mode 1	Sample 1	Adapter 1	1600*1200/60Hz with analog
Mode 2	Sample 2	Adapter 2	1600*1200/60Hz with digital



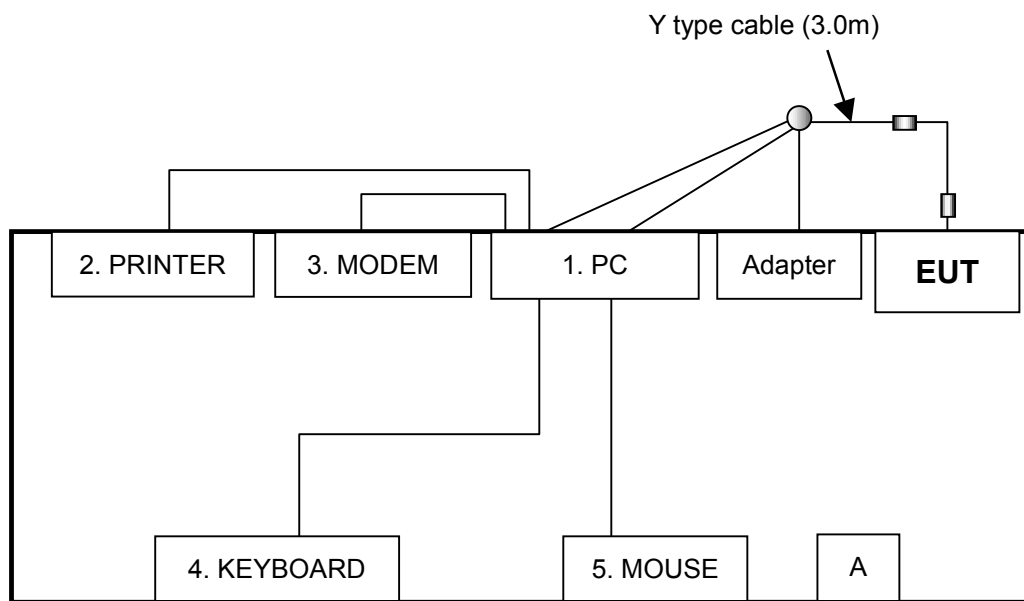
3.3 DESCRIPTION OF SUPPORT UNITS

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	SG10602726	DoC
2	PRINTER	EPSON	LQ-300+	DCGY017079	DoC
3	MODEM	ACEEX	1414	0206026773	IFAXDM1414
4	KEYBOARD	DELL	SK-8110	MY-05N456-71679-3C1-0955	DoC
5	MOUSE	BTC	M851	G00347024437	NA

No.	Signal cable description
1	NA
2	1.8 m 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, terminal by frame, PS2 Connector, w/o Core.
5	1.5 m foil shielded wire, terminated with PS2 connector via drain wire, w/o core.

Note: 1. The power cords of the above support units were unshielded (1.8m).



- NOTE:** 1. Please refer to the photos of test configuration in Item 5 also.
2. The item A is touch pen of EUT.

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	847124/029	Dec. 07, 2005
ROHDE & SCHWARZ LISN (for EUT)	ESHS-Z5	848773/004	Nov. 08, 2005
KYORITSU LISN (for peripheral)	KNW-407	8/1395/12	Jul. 23, 2005
RF Cable (JETBAO)	RG233/U	Cable_CA_01	Jul. 02, 2005
Terminator(for KYORITSU)	50	3	May 10, 2005
Software	Cond-V2e	NA	NA

- 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. The test was performed in ADT Shielded Room No. A.
3. The VCCI Con A Registration No. is C-817.

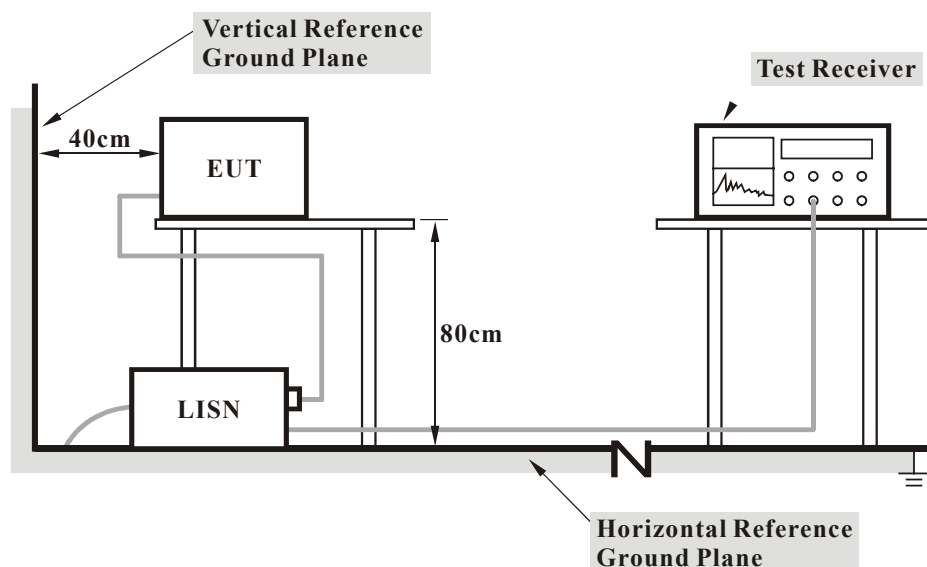
4.1.3 TEST PROCEDURE

- 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 20dB 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 support units.

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



4.1.6 EUT OPERATING CONDITIONS

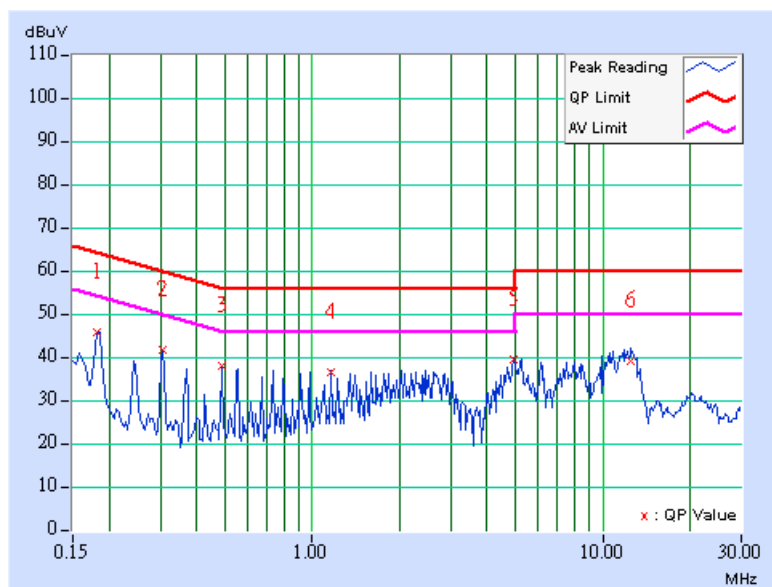
1. Turn on the power of all equipment.
2. Enable touch screen function.
3. PC sends "H" messages to LCD monitor (EUT). EUT scrolling "H" patterns on its screen.
4. PC sends "H" messages to modem.
5. PC sends "H" messages to printer, and the printer prints them on paper.
6. Repeat steps 2-5.

4.1.7 TEST RESULTS(MODE 1)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 1	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.181	0.31	44.61	-	44.92	-	64.43	54.43	-19.51	-
2	0.306	0.32	40.45	-	40.77	-	60.07	50.07	-19.30	-
3	0.490	0.34	36.76	-	37.10	-	56.17	46.17	-19.07	-
4	1.162	0.44	35.34	-	35.78	-	56.00	46.00	-20.22	-
5	4.953	0.95	38.20	-	39.15	-	56.00	46.00	-16.85	-
6	12.543	1.41	37.89	-	39.30	-	60.00	50.00	-20.70	-

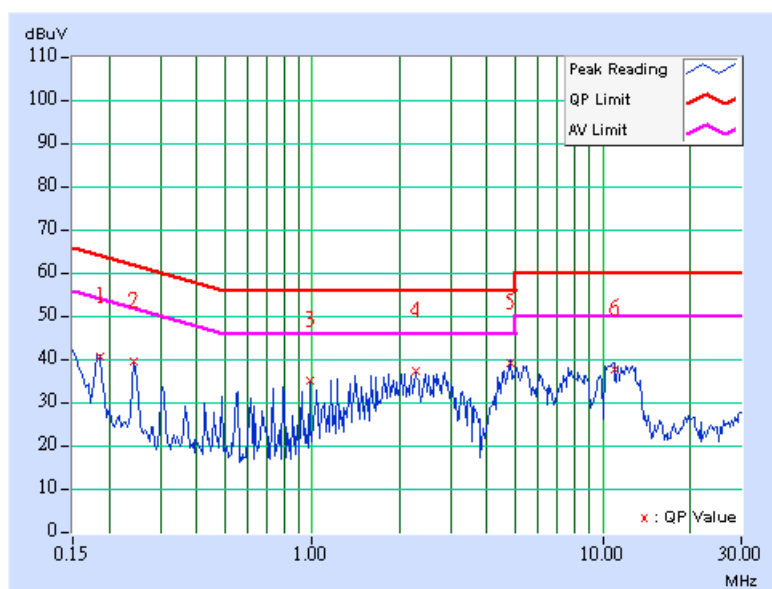
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 1	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.185	0.31	39.44	-	39.75	-	64.25
2	0.244	0.31	38.41	-	38.72	-	61.97	51.97	-23.24	-
3	0.978	0.42	33.98	-	34.40	-	56.00	46.00	-21.60	-
4	2.263	0.58	36.09	-	36.67	-	56.00	46.00	-19.33	-
5	4.836	0.93	37.90	-	38.83	-	56.00	46.00	-17.17	-
6	10.953	1.22	36.53	-	37.75	-	60.00	50.00	-22.25	-

- 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.

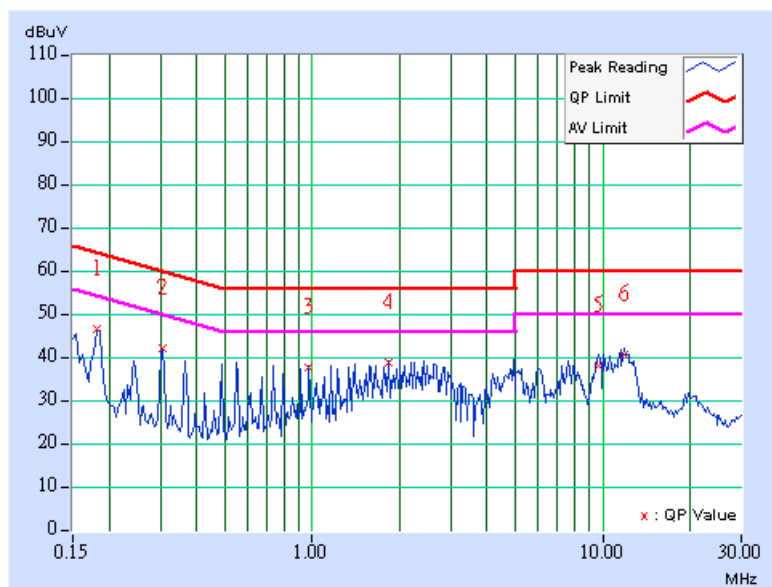


4.1.8 TEST RESULTS(MODE 2)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 2	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.181	0.31	45.31	-	45.62	-	64.43	54.43	-18.81	-
2	0.306	0.32	40.97	-	41.29	-	60.07	50.07	-18.78	-
3	0.974	0.42	36.54	-	36.96	-	56.00	46.00	-19.04	-
4	1.830	0.51	37.55	-	38.06	-	56.00	46.00	-17.94	-
5	9.703	1.25	36.94	-	38.19	-	60.00	50.00	-21.81	-
6	11.836	1.37	39.49	-	40.86	-	60.00	50.00	-19.14	-

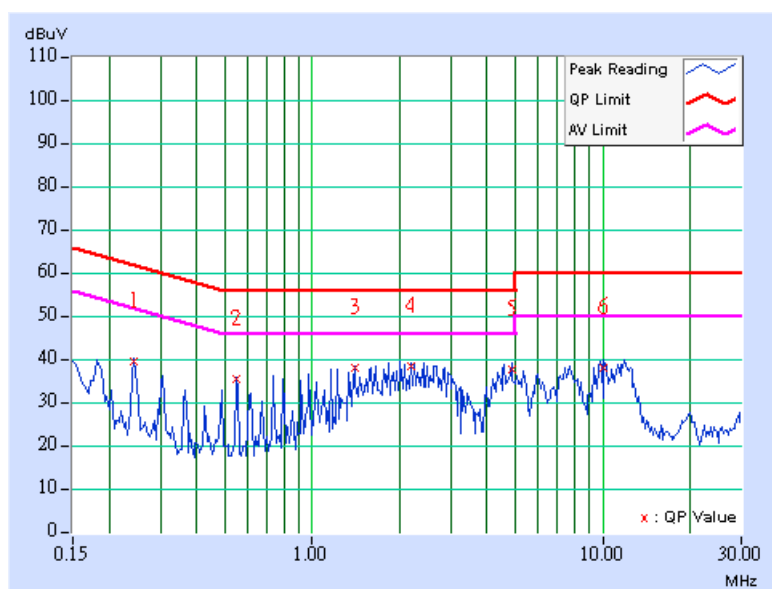
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 2	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.244	0.31	38.45	-	38.76	-	61.97
2	0.548	0.35	34.39	-	34.74	-	56.00	46.00	-21.26	-
3	1.404	0.46	37.05	-	37.51	-	56.00	46.00	-18.49	-
4	2.197	0.57	37.41	-	37.98	-	56.00	46.00	-18.02	-
5	4.883	0.93	36.51	-	37.44	-	56.00	46.00	-18.56	-
6	10.066	1.17	36.87	-	38.04	-	60.00	50.00	-21.96	-

- 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.

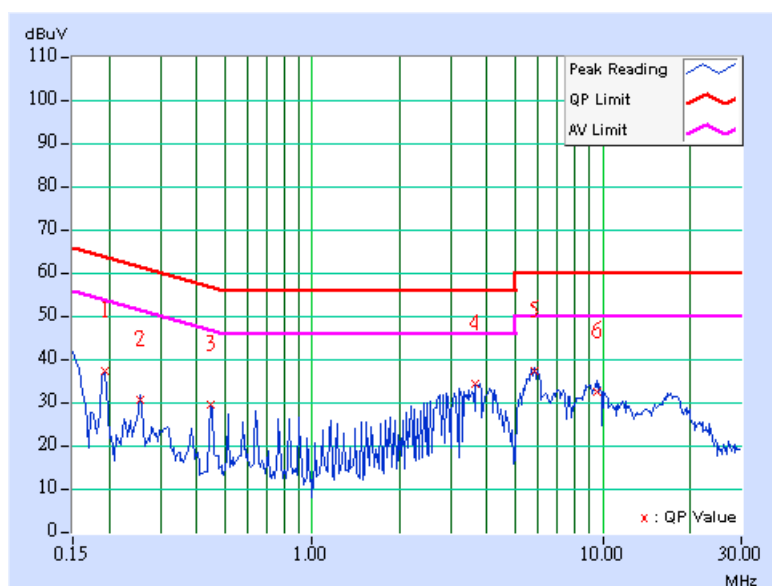


4.1.9 TEST RESULTS(MODE 3)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 3	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.193	0.31	36.17	-	36.48	-	63.91	53.91	-27.43	-
2	0.255	0.32	29.34	-	29.66	-	61.58	51.58	-31.92	-
3	0.447	0.34	28.28	-	28.62	-	56.93	46.93	-28.32	-
4	3.652	0.83	33.02	-	33.85	-	56.00	46.00	-22.15	-
5	5.836	1.01	36.28	-	37.29	-	60.00	50.00	-22.71	-
6	9.555	1.24	31.50	-	32.74	-	60.00	50.00	-27.26	-

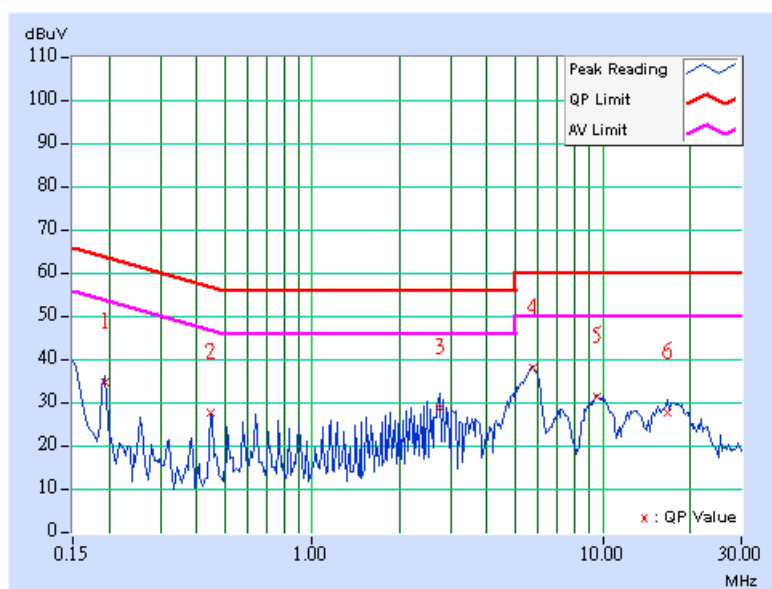
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 3	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.193	0.31	33.46	-	33.77	-	63.91
2	0.447	0.34	26.12	-	26.46	-	56.93	46.93	-30.48	-
3	2.755	0.67	27.35	-	28.02	-	56.00	46.00	-27.98	-
4	5.770	0.97	36.50	-	37.47	-	60.00	50.00	-22.53	-
5	9.613	1.15	29.88	-	31.03	-	60.00	50.00	-28.97	-
6	16.668	1.49	26.34	-	27.83	-	60.00	50.00	-32.17	-

- 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.

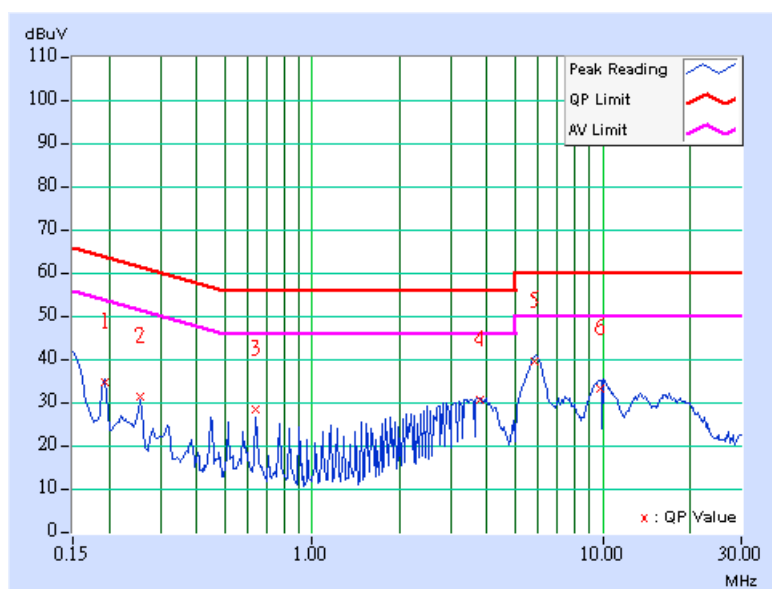


4.1.10 TEST RESULTS(MODE 4)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 4	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.193	0.31	33.38	-	33.69	-	63.91	53.91	-30.22	-
2	0.255	0.32	30.30	-	30.62	-	61.58	51.58	-30.96	-
3	0.642	0.37	27.23	-	27.60	-	56.00	46.00	-28.40	-
4	3.785	0.85	29.64	-	30.49	-	56.00	46.00	-25.51	-
5	5.836	1.01	38.38	-	39.39	-	60.00	50.00	-20.61	-
6	9.750	1.25	32.21	-	33.46	-	60.00	50.00	-26.54	-

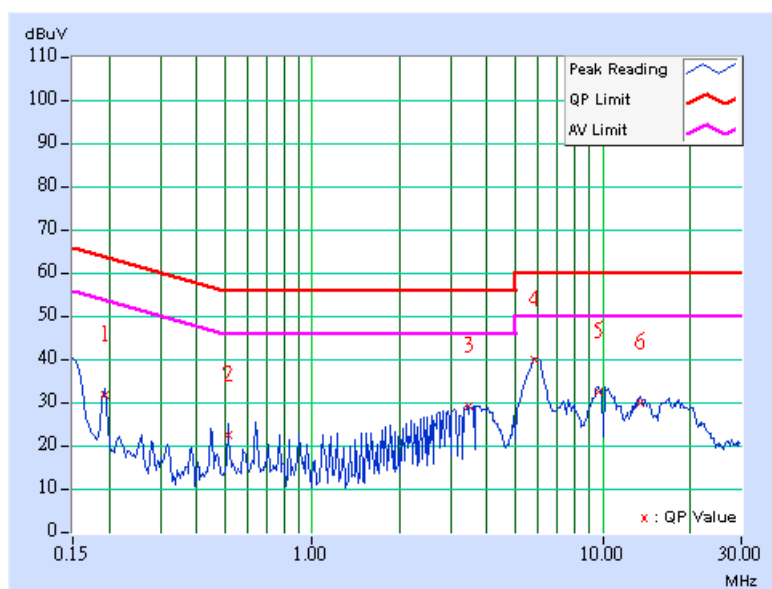
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 4	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.193	0.31	30.50	-	30.81	-	63.91
2	0.513	0.35	21.39	-	21.74	-	56.00	46.00	-34.26	-
3	3.465	0.79	27.86	-	28.65	-	56.00	46.00	-27.35	-
4	5.836	0.98	38.83	-	39.81	-	60.00	50.00	-20.19	-
5	9.625	1.15	31.24	-	32.39	-	60.00	50.00	-27.61	-
6	13.406	1.35	28.53	-	29.88	-	60.00	50.00	-30.12	-

- 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.

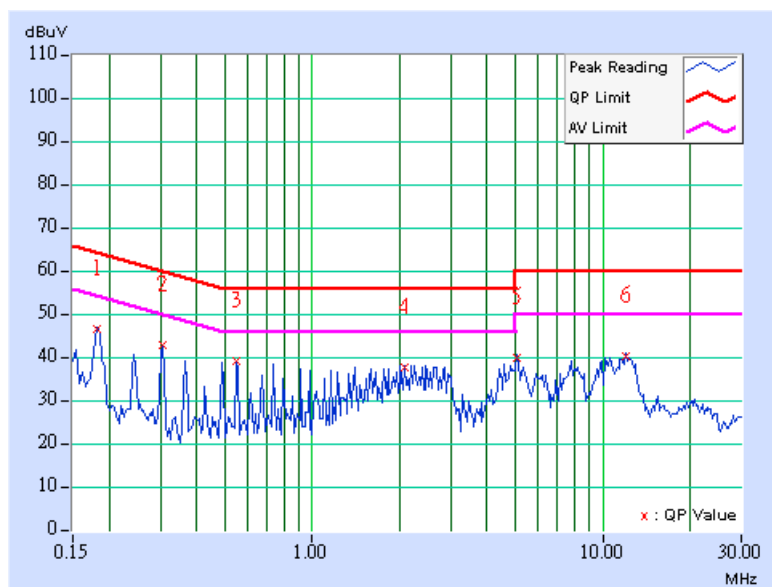


4.1.11 TEST RESULTS(MODE 5)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 5	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.181	0.31	45.45	-	45.76	-	64.43	54.43	-18.67	-
2	0.306	0.32	41.75	-	42.07	-	60.07	50.07	-18.00	-
3	0.548	0.35	37.88	-	38.23	-	56.00	46.00	-17.77	-
4	2.076	0.54	36.41	-	36.95	-	56.00	46.00	-19.05	-
5	5.066	0.96	38.59	-	39.55	-	60.00	50.00	-20.45	-
6	11.969	1.38	38.96	-	40.34	-	60.00	50.00	-19.66	-

- 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.

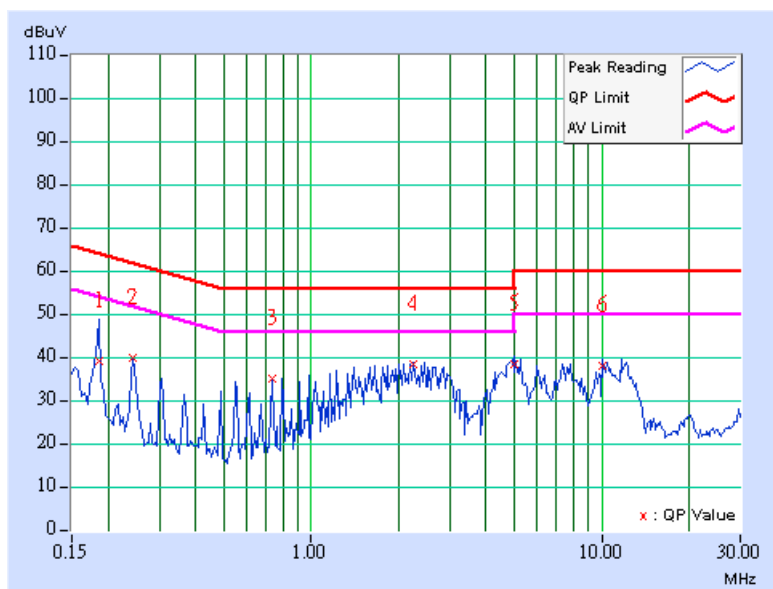




EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 5	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.185	0.31	38.14	-	38.45	-	64.25
2	0.244	0.31	38.77	-	39.08	-	61.97	51.97	-22.88	-
3	0.732	0.38	34.19	-	34.57	-	56.00	46.00	-21.43	-
4	2.259	0.58	37.50	-	38.08	-	56.00	46.00	-17.92	-
5	5.008	0.94	37.39	-	38.33	-	60.00	50.00	-21.67	-
6	10.016	1.17	36.81	-	37.98	-	60.00	50.00	-22.02	-

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

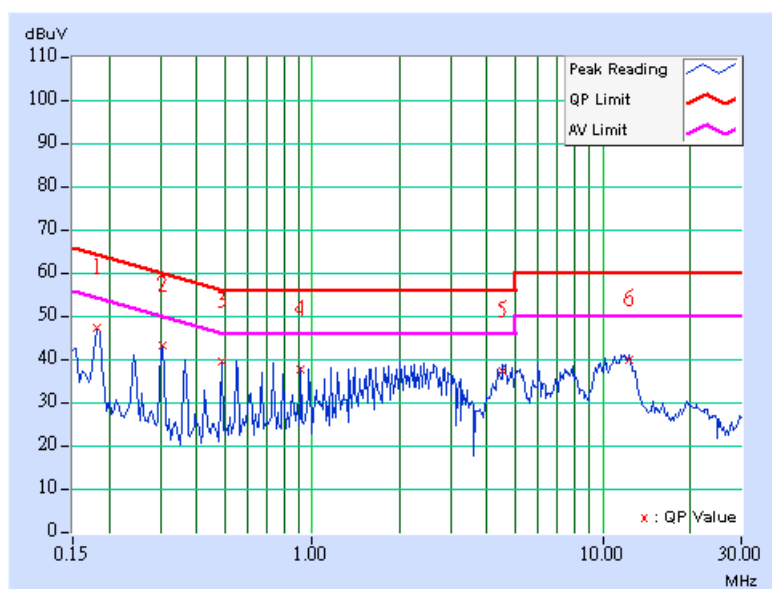


4.1.12 TEST RESULTS(MODE 6)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 6	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.181	0.31	45.91	-	46.22	-	64.43	54.43	-18.21	-
2	0.306	0.32	42.11	-	42.43	-	60.07	50.07	-17.64	-
3	0.486	0.34	38.41	-	38.75	-	56.24	46.24	-17.48	-
4	0.916	0.41	36.40	-	36.81	-	56.00	46.00	-19.19	-
5	4.516	0.92	35.89	-	36.81	-	56.00	46.00	-19.19	-
6	12.316	1.40	38.76	-	40.16	-	60.00	50.00	-19.84	-

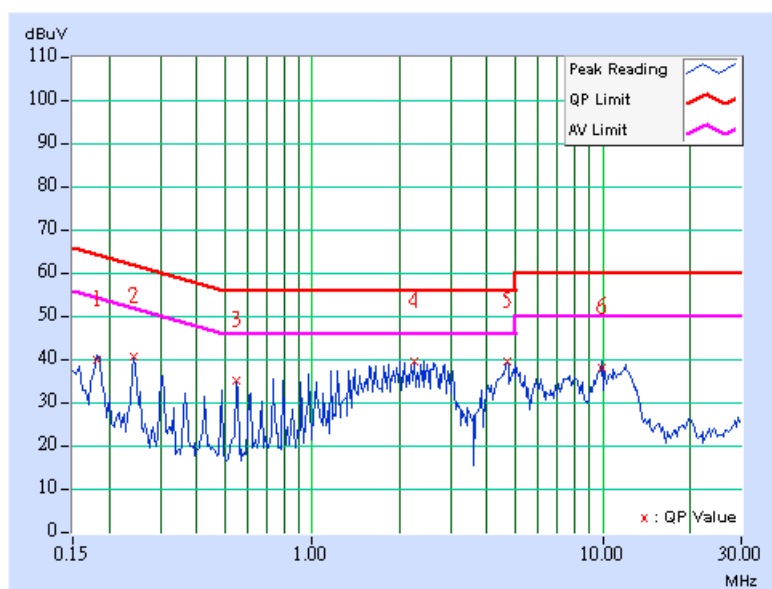
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 6	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.181	0.31	38.88	-	39.19	-	64.43
2	0.244	0.31	39.65	-	39.96	-	61.97	51.97	-22.00	-
3	0.548	0.35	33.95	-	34.30	-	56.00	46.00	-21.70	-
4	2.255	0.58	38.30	-	38.88	-	56.00	46.00	-17.12	-
5	4.695	0.92	38.37	-	39.29	-	56.00	46.00	-16.71	-
6	9.879	1.16	36.85	-	38.01	-	60.00	50.00	-21.99	-

- 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.

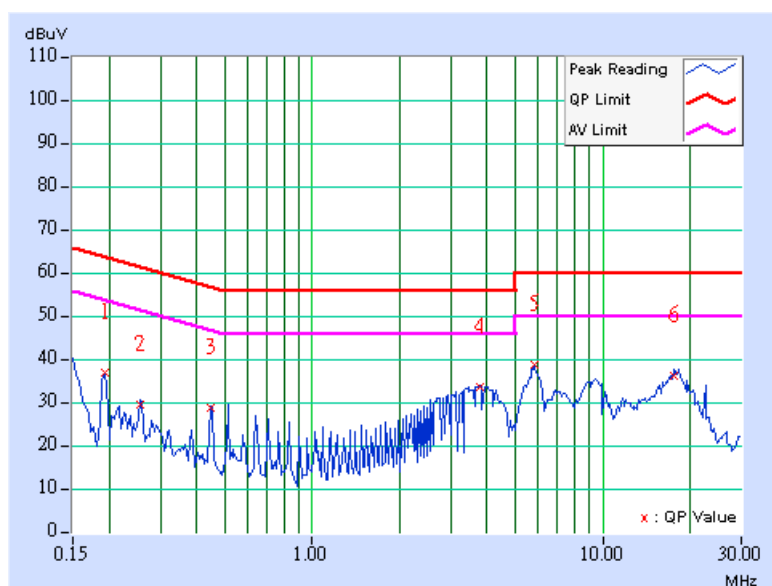


4.1.13 TEST RESULTS(MODE 7)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 7	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.193	0.31	35.33	-	35.64	-	63.91	53.91	-28.27	-
2	0.255	0.32	28.14	-	28.46	-	61.58	51.58	-33.12	-
3	0.447	0.34	27.24	-	27.58	-	56.93	46.93	-29.36	-
4	3.785	0.85	32.15	-	33.00	-	56.00	46.00	-23.00	-
5	5.832	1.01	37.09	-	38.10	-	60.00	50.00	-21.90	-
6	17.695	1.67	34.46	-	36.13	-	60.00	50.00	-23.87	-

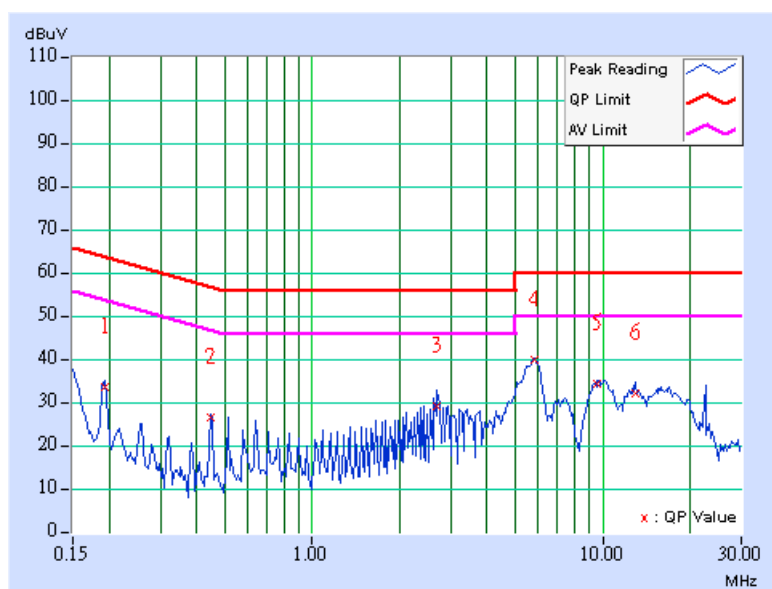
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 7	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.193	0.31	32.38	-	32.69	-	63.91
2	0.447	0.34	25.22	-	25.56	-	56.93	46.93	-31.38	-
3	2.693	0.65	27.76	-	28.41	-	56.00	46.00	-27.59	-
4	5.832	0.98	38.72	-	39.70	-	60.00	50.00	-20.30	-
5	9.617	1.15	33.21	-	34.36	-	60.00	50.00	-25.64	-
6	12.953	1.33	31.01	-	32.34	-	60.00	50.00	-27.66	-

- 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.

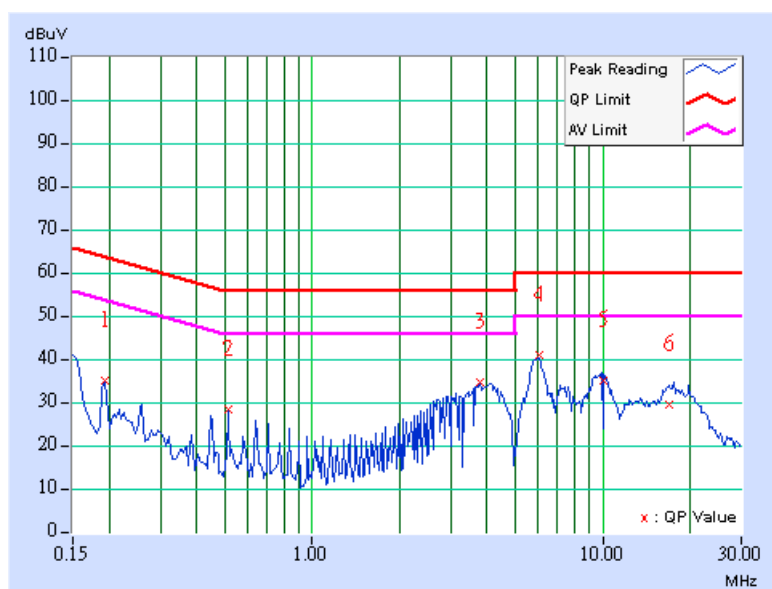


4.1.14 TEST RESULTS(MODE 8)

EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 8	PHASE	Line (L)
INPUT POWER (SYSTEM)	120Vac, 60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

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	0.193	0.31	33.48	-	33.79	-	63.91	53.91	-30.12	-
2	0.513	0.35	26.98	-	27.33	-	56.00	46.00	-28.67	-
3	3.785	0.85	33.09	-	33.94	-	56.00	46.00	-22.06	-
4	6.027	1.02	39.33	-	40.35	-	60.00	50.00	-19.65	-
5	10.070	1.27	33.47	-	34.74	-	60.00	50.00	-25.26	-
6	16.871	1.63	27.89	-	29.52	-	60.00	50.00	-30.48	-

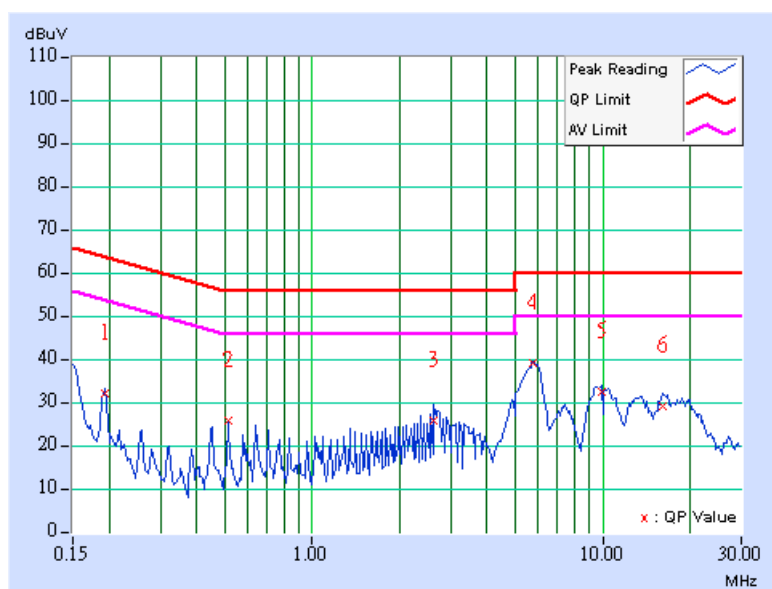
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 8	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70% RH, 981 hPa	TESTED BY : Jerry Fan	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.193	0.31	30.80	-	31.11	-	63.91
2	0.513	0.35	24.29	-	24.64	-	56.00	46.00	-31.36	-
3	2.630	0.64	24.56	-	25.20	-	56.00	46.00	-30.80	-
4	5.770	0.97	37.77	-	38.74	-	60.00	50.00	-21.26	-
5	9.938	1.17	31.30	-	32.47	-	60.00	50.00	-27.53	-
6	16.168	1.47	27.77	-	29.24	-	60.00	50.00	-30.76	-

- 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 30 MHz

FREQUENCY (MHz)	Field Strength		Measurement Distance (meters)
	uV/m	dBuV/m	
0.009 – 0.490	2400 / F (kHz)	48.52-13.80	300
0.490 – 1.705	24000 / F (kHz)	33.80-22.97	30
1.705 – 30.0	30	29.54	30

BETWEEN 30-1000 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
960 – 1000	300	49.5	500	54.0

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	3647U00646	May 04, 2005
*ADVANTEST Spectrum Analyzer	R3271A	85060311	Jun. 29, 2005
CHASE RF Pre_Amplifier	CPA9232	1056	Jun. 03, 2005
*HP Pre_Amplifier	8449B	3008A01922	Oct. 13, 2005
*ROHDE & SCHWARZ Test Receiver	ESVS 30	841977/002	Oct. 08, 2005
*CHASE Broadband Antenna	CBL6112B	2798	Apr. 01, 2005
*Schwarzbeck Horn_Antenna	BBHA9120-D1	D123	Sep. 23, 2005
Schwarzbeck Horn_Antenna	BBHA 9170	BBHA9170192	Feb. 16, 2005
SCHWARZBECK Tunable Dipole Antenna	UHAP	897	Mar. 07, 2005
SCHWARZBECK Tunable Dipole Antenna	VHAP	880	Mar. 07, 2005
*RF Switches	MP59B	1-5161-28698	Jul. 31, 2005
*RF Cable(CHASE)	CH A9525	Cable_OB_01	Jul. 31, 2005
*Software	AS60P8	NA	NA
*CHANCE MOST Antenna Tower	AT-100	CM-A007	NA
*CHANCE MOST Turn Table	TC-008	CM-T007	NA
*CORCOM AC Filter	MRI2030	024/019	NA

Note: 1. The calibration interval of the above test instruments is 12 months (36 months for Tunable Dipole Antenna) 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. B.
5. The VCCI Site Registration No. is R-847.
6. The FCC Site Registration No. is 92753.
7. The CANADA Site Registration No. is IC 4824-2.



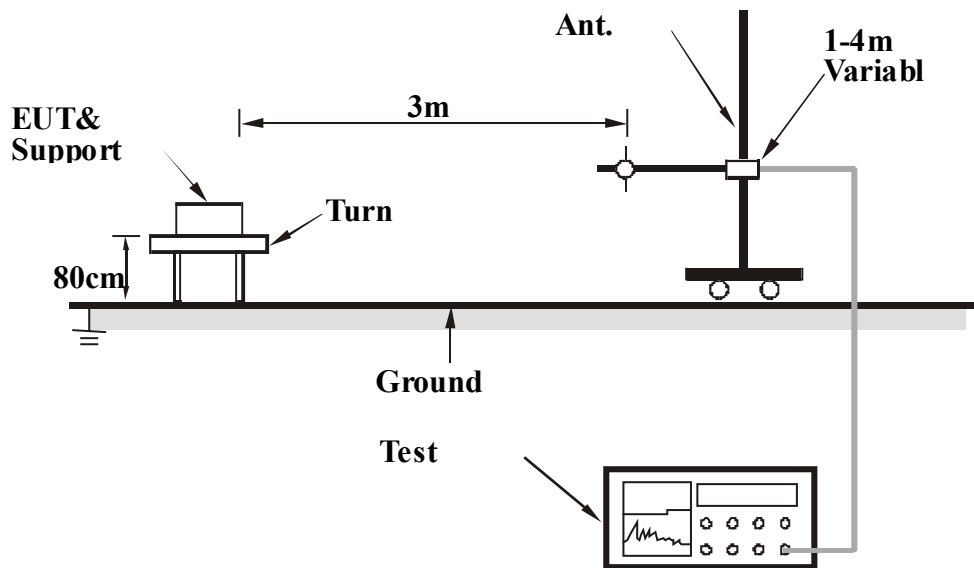
4.2.3 TEST PROCEDURE

- 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 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 polarization's 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 rotating 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

EUT	LCD Monitor		
MODEL	DTZ-2100	FREQUENCY RANGE	9 kHz ~ 30 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 60%RH, 981 hPa	TESTED BY	Wen Yu

ANTENNA POLARITY & TEST DISTANCE: 3 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	0.67	58.9	71.12	-13.1	1.00 V	245	58.2	0.70
2	1.34	43.3	71.12	-28.7	1.00 V	125	42.6	0.70
3	2.01	46.2	69.5	-23.3	1.00 V	214	45.5	0.70
4	2.68	40.2	69.5	-29.3	1.00 V	245	39.4	0.80
5	3.35	30.1	69.5	-39.4	1.00 V	25	29.3	0.80
6	4.01	24.2	69.5	-45.3	1.00 V	145	23.4	0.80
7	4.68	26.6	69.5	-42.9	1.00 V	3	25.8	0.80
8	5.35	26.5	69.5	-43.0	1.00 V	111	25.7	0.80
9	6.02	27.0	69.5	-42.5	1.00 V	354	26.2	0.80
10	6.69	26.3	69.5	-43.2	1.00 V	157	25.5	0.80

- 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. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

Example:

$$\begin{aligned}
 24000/666.7\text{KHz} &= 36 \text{ uV/m} && 30\text{m} \\
 &= 31.12 \text{ dBuV/m} && 30\text{m} \\
 &= 31.12 + 20\log(30/3)^2 && 3\text{m} \\
 &= 71.12 \text{ dBuV/m}
 \end{aligned}$$



EUT	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 1	FREQUENCY RANGE	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 72%RH, 981 hPa	TESTED BY	Wen Yu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 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	184.32	34.60 QP	43.50	-8.90	1.00 H	259	22.30	12.30
2	196.62	36.20 QP	43.50	-7.30	1.03 H	218	24.80	11.40
3	208.91	37.40 QP	43.50	-6.10	1.15 H	286	25.80	11.60
4	331.77	43.10 QP	46.00	-2.90	1.17 H	249	26.50	16.60
5	368.66	40.40 QP	46.00	-5.60	1.20 H	289	23.00	17.40
6	407.80	42.90 QP	46.00	-3.10	1.31 H	208	24.30	18.60
7	430.09	40.50 QP	46.00	-5.50	1.05 H	218	21.30	19.20
8	552.99	39.40 QP	46.00	-6.60	1.17 H	259	17.00	22.40
9	860.18	44.30 QP	46.00	-1.70	1.18 H	239	16.80	27.50
10	978.74	42.70 QP	54.00	-11.30	1.38 H	205	13.80	28.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 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	184.32	33.00 QP	43.50	-10.50	1.05 V	233	20.70	12.30
2	196.62	34.40 QP	43.50	-9.10	1.00 V	138	23.00	11.40
3	208.91	34.00 QP	43.50	-9.50	1.00 V	220	22.40	11.60
4	331.79	41.50 QP	46.00	-4.50	1.01 V	145	24.90	16.60
5	368.66	38.10 QP	46.00	-7.90	1.15 V	178	20.70	17.40
6	407.82	43.50 QP	46.00	-2.50	1.08 V	130	24.90	18.60
7	430.08	42.10 QP	46.00	-3.90	1.10 V	122	22.90	19.20
8	552.98	43.00 QP	46.00	-3.00	1.05 V	145	20.60	22.40
9	860.17	43.60 QP	46.00	-2.40	1.00 V	160	16.10	27.50
10	978.73	41.00 QP	54.00	-13.00	1.06 V	183	12.10	28.90

- 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	LCD Monitor	MODEL	DTZ-2100
TEST MODE	Mode 2	FREQUENCY RANGE	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 72%RH, 981 hPa	TESTED BY	Wen Yu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 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	139.62	28.90 QP	43.50	-14.60	1.29 H	10	15.80	13.10
2	184.32	33.40 QP	43.50	-10.10	1.55 H	248	21.10	12.30
3	196.66	33.00 QP	43.50	-10.50	1.56 H	166	21.60	11.40
4	208.94	33.00 QP	43.50	-10.50	1.38 H	100	21.40	11.60
5	331.84	38.00 QP	46.00	-8.00	1.33 H	280	21.40	16.60
6	430.09	43.10 QP	46.00	-2.90	1.26 H	45	23.90	19.20
7	454.73	40.30 QP	46.00	-5.70	1.51 H	293	20.50	19.80
8	680.40	40.00 QP	46.00	-6.00	1.61 H	256	15.40	24.60
9	810.10	39.80 QP	46.00	-6.20	1.38 H	98	13.00	26.80
10	978.12	40.40 QP	54.00	-13.60	1.05 H	336	11.50	28.90

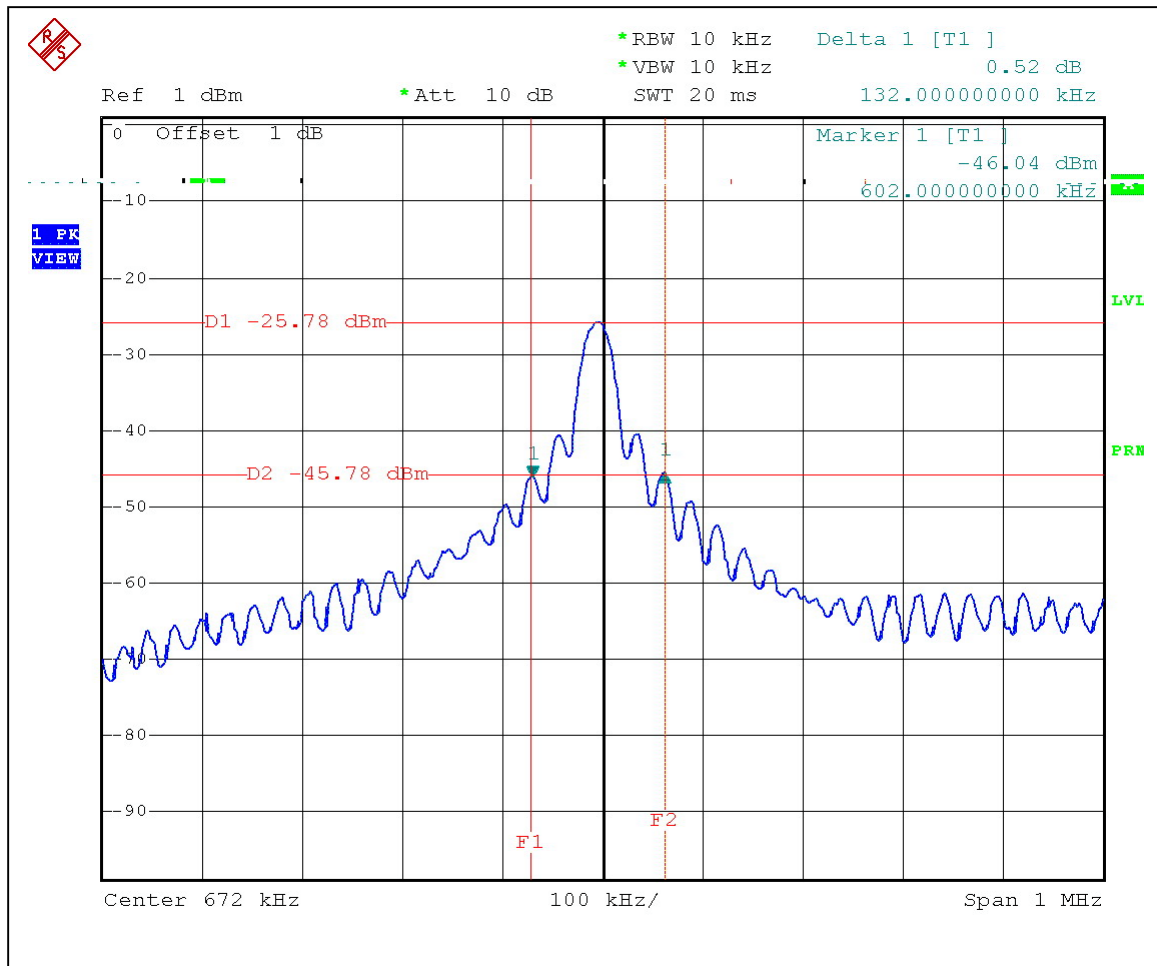
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

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	52.57	33.80 QP	40.00	-6.20	1.00 V	218	19.30	14.50
2	141.12	33.90 QP	43.50	-9.60	1.00 V	220	20.80	13.10
3	184.33	31.60 QP	43.50	-11.90	1.01 V	283	19.30	12.30
4	196.63	32.30 QP	43.50	-11.20	1.00 V	265	20.90	11.40
5	208.93	33.90 QP	43.50	-9.60	1.03 V	0	22.30	11.60
6	215.08	35.50 QP	43.50	-8.00	1.00 V	27	23.70	11.80
7	331.82	38.80 QP	46.00	-7.20	1.00 V	144	22.20	16.60
8	430.09	40.20 QP	46.00	-5.80	1.26 V	100	21.00	19.20
9	680.40	38.90 QP	46.00	-7.10	1.33 V	165	14.30	24.60
10	971.11	40.70 QP	54.00	-13.30	1.44 V	153	11.80	28.90

- 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 (SPECTRUM BANDWIDTH)

666.7 KHz



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 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, 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:

Lin Kou EMC Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

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Tel: 886-3-3270910
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Email: service@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.