

HYUNDAI CALIBRATION & CERTIFICATION TECH. CO., LTD.

Product Compliance Division, EMC Team
SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI, KYOUNKI-DO, 467-701, KOREA
TEL : +82 31 639 8517 FAX : +82 31 639 8525

TEST REPORT

Manufacture;
D&T Inc.

60-1, Jang-dong, Yuseong-Gu, Daejeon-City
305-343, Korea

FRN :0013754916

Date of Issue : January 12, 2007

Test Report No.: HCT-F07-0101

Test Site: HYUNDAI CALIBRATION & CERTIFICATION
TECHNOLOGIES CO., LTD.

HCT FRN : 0005-8664-21

EUT TYPE:

42" LCD Monitor(Non R/C PS)

FCC ID:

THCFS-4201C

MODEL:

FS-L4201C

Rule Part(s):

Part 15 & 2

Equipment Class:

FCC Class B Peripheral Device(JBP)

Standard(s):

FCC Class B: CISPR22

EUT Type:

42" LCD Monitor(Non R/C PS)

Model(s):

FS-L4201C

Port/Connector(S)

DVI, DSUB, COAXIAL IN, AUDIO IN

LCD Panel

LG, PHILIPS LCD (LC420W X 5 (SL)(A1))

This equipment has been shown to be in compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2003.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.



Report prepared by
: Kun-Hyung Kim
Test engineer of EMC Tech.Part



Approved by
: Sang Jun LEE
Manager of EMC Tech.Part

TABLE OF CONTENTS

	PAGE
REPORT COVER	1
TABLE OF CONTENTS	2
1.1 SCOPE	3
2.1 INTRODUCTION (SITE DESCRIPTION)	4
3.1 PRODUCTION INFORMATION	5-6
4.1 DESCRIPTION OF TESTS (CONDUCTED)	7
4.3 DESCRIPTION OF TESTS (RADIATED)	8
5.1 LIST OF SUPPORT EQUIPMENT	9-10
6.1 TEST DATA (CONDUCTED)	11-18
7.1 TEST DATA (RADIATED)	20
10.1 TEST SOFTWARE USED	23
11.1 CONCLUSION	24

ATTACHMENT A: **FCC ID LABEL & LOCATION**

ATTACHMENT B: **EXTERNAL PHOTOGRAPHS**

ATTACHMENT C: **BLOCK DIAGRAM**

ATTACHMENT D: **TEST SETUP PHOTOGRAPHS**

ATTACHMENT E: **USER'S MANUAL**

ATTACHMENT F: **INTERNAL PHOTOGRAPHS**

MEASUREMENT REPORT

1.1 Scope

Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission.

Applicant Name: D&T Inc..

Address: 60-1, Jang-dong, Yuseong-Gu, Daejeon-City
305-343, Korea

- Model : **FS-L4201C**
- Equipment Class: **FCC Class B Peripheral Device(JBP)**
- EUT Type: **42" LCD Monitor(Non R/C PS)**
- Power Cord: **Unshielded**
- Rule Part(s): **FCC Part 15 Subpart B**
- Test Procedure(s): **ANSI C63.4 (2003)**
- Dates of Tests: **December 20, 2006 ~ December 28, 2006**
- Place of Tests: 254-1,MAEKOK-RI,HOBUP-MYUN,ICHON-SI,KYOUNGKI-DO,467-701,KOREA

2.1 INTRODUCTION

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (ANSIC63.4-2003) was used in determining radiated and conducted emissions emanating from **D&T Inc., 42" LCD Monitor(Non R/C PS), Model: FS-L4201C**

The open area test site and conducted measurement facility used to collect the radiated data are located at the 254-1, MAEKOK-RI, HOBUP-MYUN, ICHON-SI, KYOUNGKI-DO, 467-701, KOREA. The site is constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated July 05, 2006 (Confirmation Number: EA90661)

3.1 PRODUCT INFORMATION

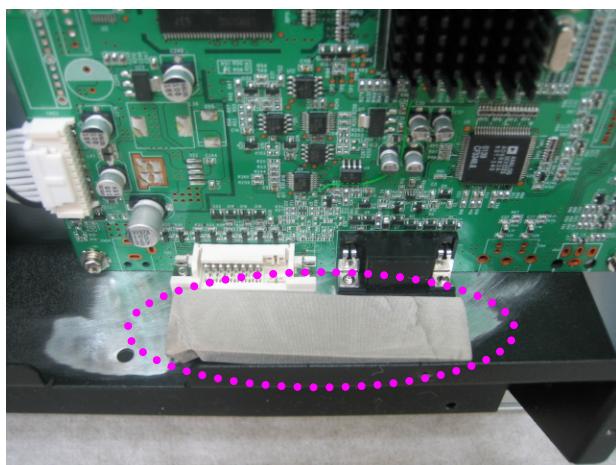
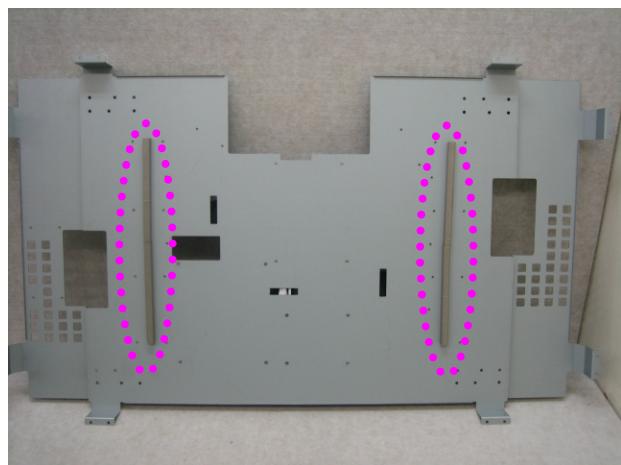
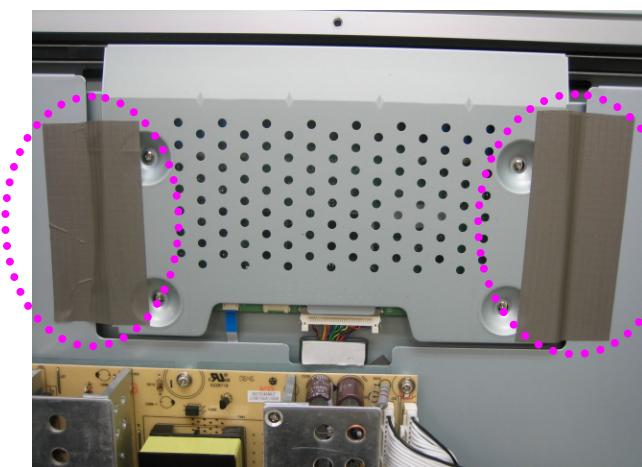
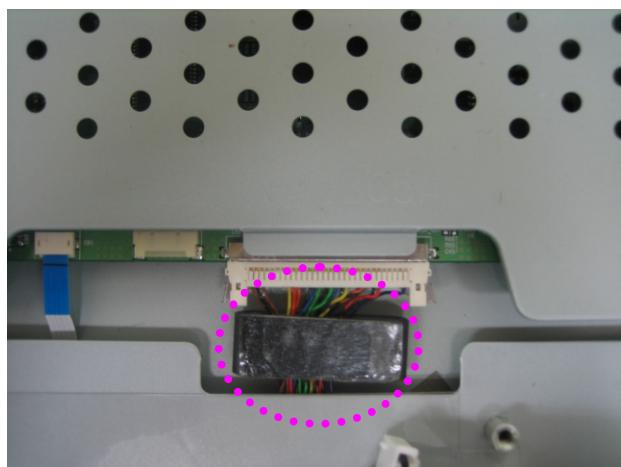
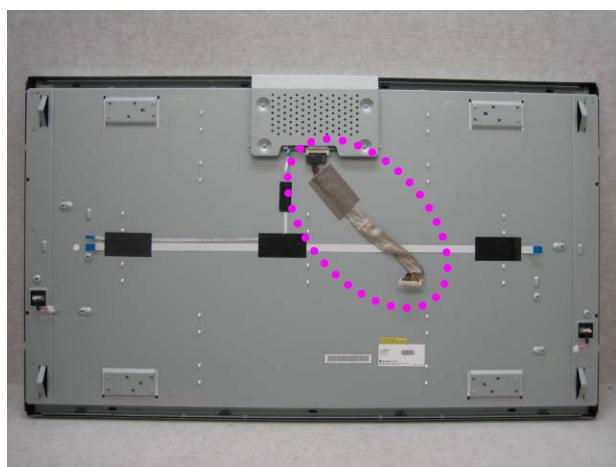
3.2 Equipment Description

Equipment Under Test (EUT) is the **D&T Inc., 42" LCD Monitor(Non R/C PS),FS-L4201C**

Model		FS-L4201C
LCD Panel	Type	a-si TFT Active matrix
	Screen Size	106.7 cm (Diagonal)
	Maximum Resolution	1360 x 768@ 60 Hz
	Pixel Range	0.681(H) mm x 0.227(V) mm
	Display Colors	16.7M (RGB 8-bit data)
	Contrast Ratio	1000:1
	Viewing Angle	89/ 89 / 89 / 89
	Response Time	10 msec
	Luminance	500 cd/m ²
Syncro nization	Horizontal Frequency	91 kHz (Max.)
	Vertical Frequency	85 Hz (Max.)
Power Consumption	Maximum	300W
	Standby Mode	Under 20W
Control key	Rear Side	SOURCE, -, +, ▲, ▼, OK, MENU
Input Signal	Video	Analog RGB DVI Digital
	Audio	S/PDIF (Coaxial)
Compati bility	Video	VGA, SVGA, XGA, WXGA
	Audio	IEC-958 S/PDIF 32kHz, 44.1kHz, 48kHz, 96kHz
Dimension	Size and Weight	1022 X 615 X 98 / 29 kg

EMI Suppression Devices:

Modifications were made to the device. Please refer to the next page.

1. Attach a gasket on the main board.**2. Attach a gasket on the back cover.****3. Attach EMI tape on the Rear frame.****4. Attach a LVDS cable core.****5. Attach a LCD Panel.**

4.1 Description of Tests(Conducted & Radiated)

4.2 Powerline Conducted Emission (150kHz- 30MHz)

The power line conducted RFI measurements were performed according to **ANSI C63.4 (2003)**.

The EUT was placed on a non-conducting 1.0 by 1.5 meter table which is 0.8 meters in height and 0.40 meters away from the vertical wall of the shielded enclosure. Power to the EUT is provided through a Rohde & Schwarz 50 Ω / 50 uH Line Impedance Stabilization Network (LISN) and the support equipment through a separate Solar 50 Ω / 50 uH Line- Conducted Test Facility LISN. Sufficient time for the EUT, support equipment, and test equipment were allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer to determine the frequency producing the maximum EME. The spectrum was scanned from 150kHz to 30 MHz. Each maximum EME was measured using an EMI receiver. The detector function of the receiver was set to CISPR quasi- peak and average mode with the bandwidth set to 9 kHz. Each emission was maximized consistent with the typical applications by varying the configuration of the test sample. Interface cables were connected to the available interface ports of the test unit. The effect of varying the position of cables was investigated to find the configuration that produces maximum Diagram emission. Excess cable lengths were bundled at the centre with 30- 40cm. in length. The worst-case configuration is noted in the test report and the photographs are attached. Each EME reported was calibrated using the Rohde & Schwarz SMT signal generator and are listed on Table 1. RFI Conducted FCC Class B

RFI CONDUCTED	FCC CLASS B Limits dB(uV)	
Freq. Range	ANSI C63.4 (2003) Quasi-Peak	ANSI C63.4 (2003) Average
150kHz - 0.5MHz	66-56*	56-46*
0.5MHz - 5MHz	56	46
5MHz - 30MHz	60	50

*Limits decreases linearly with the logarithm of frequency

Table 1. FCC CLASS B Conducted Emission Limits

4.3 Description of Tests(Radiated)

Radiated Emissions

Preliminary measurements were made indoors at 3 meter using broadband antennas, broadband amplifier, and spectrum analyzer to determine the frequency producing the maximum EME. Appropriate precaution was taken to ensure that all EME from the EUT were maximized and investigated. The spectrum was scanned from 30 to 1000 MHz using Tri-log antenna, and above 1 GHz using linearly polarized horn antennas. For frequencies above 1 GHz, horn antennas were used. Sufficient time for the EUT, support equipment, and test equipment were allowed in order for them to warm up to their normal operating condition. The EMI receiver detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 120 kHz. The EUT, support equipment, and interconnecting cables were arranged to the configuration that produces the maximum EME emission found during preliminary scan. The turntable containing the system was rotated; the antenna height was varied 1 to 4 meters and stopped at the azimuth or height producing the maximum emission. Horizontal and vertical antenna polarizations were checked. Each emission was maximized by: varying the mode of operation or resolution; clock or data exchange speed; scrolling H pattern to the EUT and/ or support equipment, and powering the monitor the computer aux AC outlet, if applicable; and changing the polarity of the antenna, whichever determined the worst-case emission.

ITE Radiated Limits			
Frequency (MHz)	FCC Limit @ 3m. Quasi- Peak dB[μ V/m]	FCC Limit @ 10m.* Quasi – Peak dB [μ V/m]	CISPR Limit @ 10m. Quasi-Peak dB [μ V/m]
30-88	40.0	29.5	30.0
88-216	43.5	33.0	30.0
216-230	46.0	35.6	30.0
230-960	46.0	35.6	37.0
960-1000	54.0	43.5	37.0
> 1000	54.0	43.5	
* Limit extrapolated 20 dB/decade			

Table 2. Radiated Class B limits @10-meters

5.1 Support Equipment Used

DEVICE TYPE	MANUFACTURER	MODEL NUMBER	FCC ID / DoC	CONNECTED TO
42" LCD Monitor	D&T Inc.	FS-L4201C	-	E.U.T
PC	H.P	HP Pavilion 700	-	E.U.T END
Mouse	Logitech	M-BT96a	-	PC END
Key Board	DELL	SK-8115	-	PC END
Printer	H.P	C4569A	-	PC END
Speaker	-	-	-	E.U.T END

5.2 Cable Description

		Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (M)
EUT	DVI	N/A	Y	1.8(D)
	DSUB	N/A	Y	1.8(D)
	COAXIAL IN	N/A	Y	1.8(D)
	POWER	N	N/A	1.8(P)
	AUDIO OUT	N/A	Y	0.3(D)
PC	USB	N/A	Y	1.8(D)
	USB	N/A	Y	1.8(D)
	Parallel	N/A	Y	1.8(D)
	POWER	N	N/A	1.8(P)
Printer	POWER	N	N/A	1.8(P)

The marked "(D)" means the Data Cable and "(P)" means the Power Cable.

5.3 Noise Suppression Parts on Cable. (I/O CABLE)

		Ferrite Bead (Y/N)	Location	Metal Hood (Y/N)	Location
EUT	DVI	Y	N/A	Y	BOTH END
	DSUB	Y	N/A	Y	BOTH END
	COAXIAL IN	N	N/A	Y	BOTH END
	AUDIO IN	N	N/A	Y	BOTH END
PC	USB	N	N/A	Y	PC END
	USB	N/A	N/A	Y	PC END
	Parallel	Y	N/A	Y	BOTH END

6.1 CONDUCTED TEST DATA

1.PRODUCT	: 42" LCD Monitor (Non R/C PS)	6.TEST DATE	: 12.20.2006
2.MODEL	: FS-L4201C	7.TESTED BY	: Kun-Hyoung Kim
3.CLIENT	: D&T Inc.	8.TEMPERATURE	: 8.0 °C
4.COMMENT	: 1360 x 768 @ 60 Hz	9.HUMIDITY	: 25.0 %
5.STANDARD	: EN 55022, CISPR22	10.ATOMSPHERE	: 100.1 kPa

[DVI]

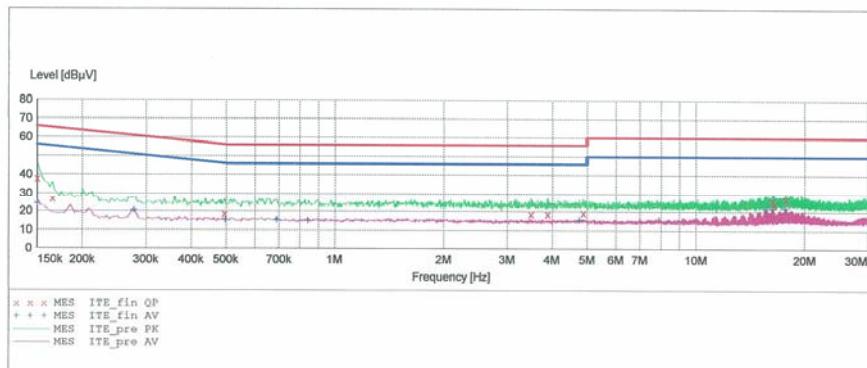
HCT

EMC TEST LAB.

EUT: FS-L4201C
 Manufacturer: D&T CO. Ltd.
 Operating Condition: 1360 X 768 60Hz DVI
 Test Site: SHIELD ROOM
 Operator: KH-KIM
 Test Specification: CISPR 22 C-LASS B
 Comment: H

SCAN TABLE: "CISPR 22 Voltage"

CISPR 22 Voltage						
Start	Stop	Step	Detector	Meas.	IF	Transducer
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None
500.0 kHz	5.0 MHz	5.0 kHz	Average			
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			
			MaxPeak	10.0 ms	9 kHz	None
			Average			



MEASUREMENT RESULT: "ITE_fin_QP"

12/20/2006 5:07PM

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dB μ V	dB	dB μ V	dB		
0.150100	38.10	10.1	66	27.9	---	---
0.165100	26.80	10.1	65	38.4	---	---
0.495100	18.80	10.1	56	37.2	---	---
3.495000	18.70	10.2	56	37.3	---	---
3.885000	18.70	10.3	56	37.3	---	---
4.865000	19.40	10.3	56	36.6	---	---
16.360000	26.20	10.5	60	33.8	---	---
16.455000	23.90	10.5	60	36.1	---	---
17.765000	26.70	10.5	60	33.3	---	---

MEASUREMENT RESULT: "ITE_fin AV"

12/20/2006 5:07PM

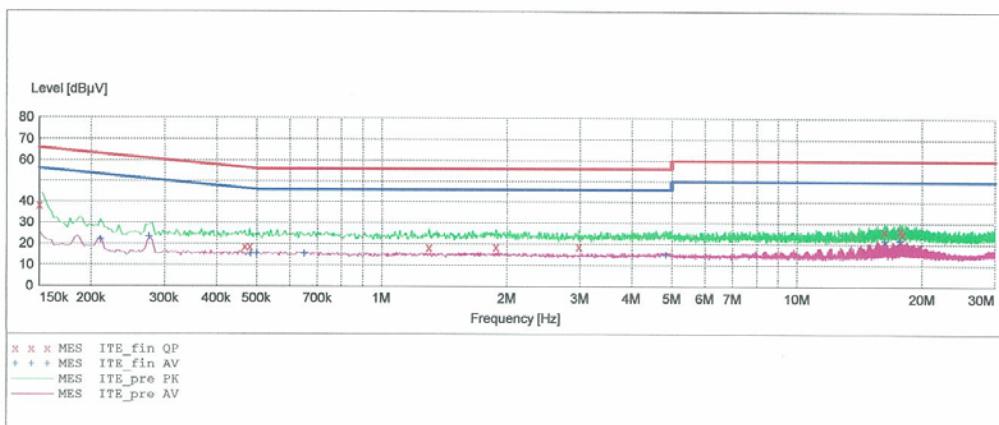
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.150100	24.40	10.1	56	31.6	---	---
0.277600	20.80	10.1	51	30.1	---	---
0.497600	15.50	10.1	46	30.5	---	---
0.690000	15.60	10.2	46	30.4	---	---
0.840000	15.20	10.1	46	30.8	---	---
4.745000	15.50	10.3	46	30.5	---	---
15.635000	21.70	10.5	50	28.3	---	---
16.360000	21.80	10.5	50	28.2	---	---
17.765000	22.10	10.5	50	27.9	---	---

HCT
EMC TEST LAB.

EUT: FS-L4201C
 Manufacturer: D&T CO. Ltd.
 Operating Condition: 1360 X 768 60Hz DVI
 Test Site: SHIELD ROOM
 Operator: KH-KIM
 Test Specification: CISPR 22 C-LASS B
 Comment: N

SCAN TABLE: "CISPR 22 Voltage"

CISPR 22 Voltage						
Start	Stop	Step	Detector	Meas.	IF	Transducer
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None
500.0 kHz	5.0 MHz	5.0 kHz	Average			
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			


MEASUREMENT RESULT: "ITE_fin QP"

12/20/2006 5:10PM	Frequency	Level	Transd	Limit	Margin	Line	PE
	MHz	dB μ V	dB	dB μ V	dB		
	0.150100	38.40	10.1	66	27.6	---	---
	0.467600	19.00	10.1	57	37.5	---	---
	0.480100	19.00	10.1	56	37.4	---	---
	1.300000	18.60	10.2	56	37.4	---	---
	1.885000	18.70	10.3	56	37.3	---	---
	2.980000	18.90	10.2	56	37.1	---	---
	16.265000	26.50	10.5	60	33.5	---	---
	17.765000	26.70	10.5	60	33.3	---	---
	17.935000	25.00	10.5	60	35.0	---	---

MEASUREMENT RESULT: "ITE_fin AV"

12/20/2006 5:10PM

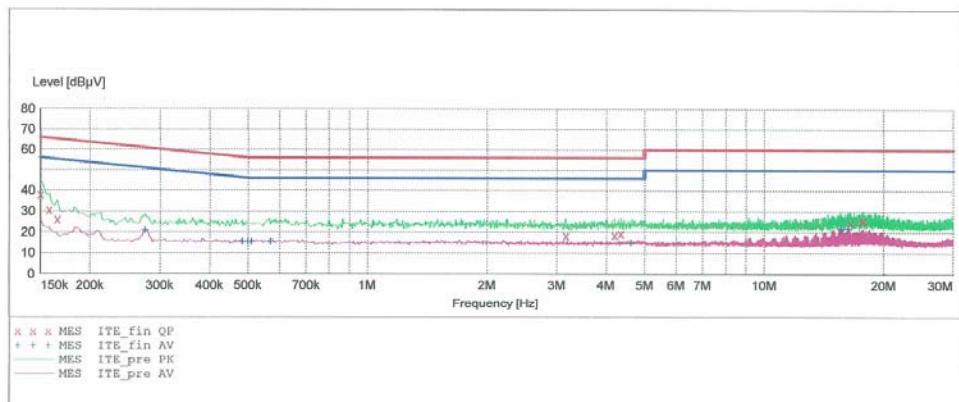
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0.210100	22.20	10.1	53	31.0	---	---
0.275100	23.50	10.1	51	27.4	---	---
0.482600	15.70	10.1	46	30.6	---	---
0.500000	15.60	10.1	46	30.4	---	---
0.650000	15.60	10.2	46	30.4	---	---
4.830000	15.30	10.3	46	30.7	---	---
16.265000	21.80	10.5	50	28.2	---	---
17.715000	21.80	10.5	50	28.2	---	---
17.765000	22.10	10.5	50	27.9	---	---

[DSub]
HCT
EMC TEST LAB.

EUT: FS-L4201C
 Manufacturer: D&T CO. Ltd.
 Operating Condition: 1360 X 768 60Hz DSub
 Test Site: SHIELD ROOM
 Operator: KH-KIM
 Test Specification: CISPR 22 C-LASS B
 Comment: H

SCAN TABLE: "CISPR 22 Voltage"

				CISPR 22 Voltage			
Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer	Bandw.
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None	Average
500.0 kHz	5.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	Average
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	Average


MEASUREMENT RESULT: "ITE_fin_QP"

12/20/2006 4:38PM	Frequency	Level	Transd	Limit	Margin	Line	PE
	MHz	dB μ V	dB	dB μ V	dB		
	0.150100	38.30	10.1	66	27.7	---	---
	0.157600	30.80	10.1	66	34.8	---	---
	0.165100	26.30	10.1	65	38.9	---	---
	3.155000	18.60	10.2	56	37.4	---	---
	4.190000	18.70	10.3	56	37.3	---	---
	4.355000	19.30	10.3	56	36.7	---	---
	16.505000	24.80	10.5	60	35.2	---	---
	17.670000	25.50	10.5	60	34.5	---	---
	17.815000	25.80	10.5	60	34.2	---	---

MEASUREMENT RESULT: "ITE_fin AV"

12/20/2006 4:38PM

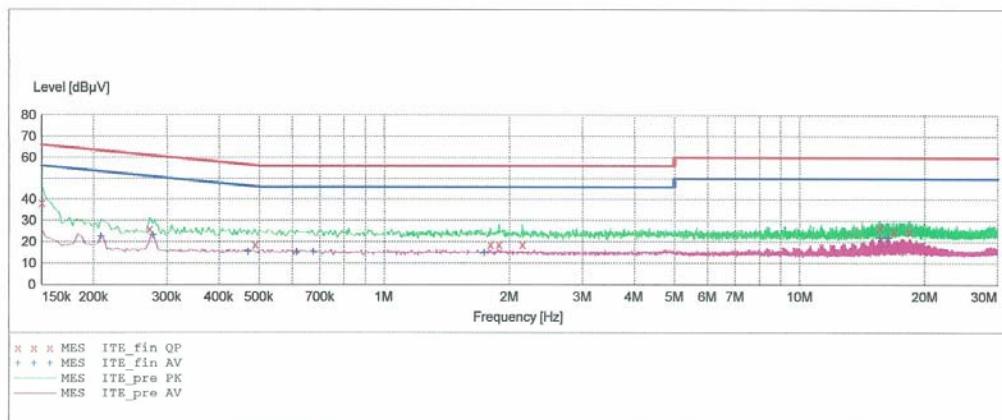
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.275100	21.30	10.1	51	29.6	---	---
0.482600	15.70	10.1	46	30.6	---	---
0.500000	15.60	10.1	46	30.4	---	---
0.510000	15.60	10.1	46	30.4	---	---
0.570000	15.60	10.1	46	30.4	---	---
4.610000	15.10	10.3	46	30.9	---	---
15.635000	22.20	10.5	50	27.8	---	---
15.685000	21.50	10.5	50	28.5	---	---
16.360000	22.10	10.5	50	27.9	---	---

HCT
EMC TEST LAB.

EUT: FS-L4201C
 Manufacturer: D&T CO. Ltd.
 Operating Condition: 1360 X 768 60Hz DSUB
 Test Site: SHIELD ROOM
 Operator: KH-KIM
 Test Specification: CISPR 22 C-LASS B
 Comment: N

SCAN TABLE: "CISPR 22 Voltage"

CISPR 22 Voltage						
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width			Time	Bandw.
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			
500.0 kHz	5.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			


MEASUREMENT RESULT: "ITE_fin_QP"

12/20/2006 4:33PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.150100	38.40	10.1	66	27.6	---	---
0.272600	26.10	10.1	61	35.0	---	---
0.487600	19.00	10.1	56	37.2	---	---
1.800000	19.00	10.3	56	37.0	---	---
1.890000	18.80	10.3	56	37.2	---	---
2.150000	18.80	10.3	56	37.2	---	---
15.635000	26.80	10.5	60	33.2	---	---
16.870000	25.30	10.5	60	34.7	---	---
18.420000	24.90	10.5	60	35.1	---	---

MEASUREMENT RESULT: "ITE_fin AV"

12/20/2006 4:33PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.207600	22.90	10.1	53	30.4	---	---
0.277600	23.60	10.1	51	27.3	---	---
0.470100	15.60	10.1	47	30.9	---	---
0.615000	15.50	10.2	46	30.5	---	---
0.675000	15.50	10.2	46	30.5	---	---
1.740000	15.10	10.3	46	30.9	---	---
15.635000	22.40	10.5	50	27.6	---	---
16.360000	22.30	10.5	50	27.7	---	---
16.410000	22.10	10.5	50	27.9	---	---

NOTES:

1. All modes of operation were investigated, and the worst-case emissions are reported.
2. The conducted limits are listed on Table 1 (Page 7).
3. Line H = Hot Line N = Neutral

** Measurements using CISPR quasi-peak mode.

7.1 RADIATED TEST DATA

[DVI]

Frequency MHz	Reading dBuV	Ant. Factor dB/m	Cable Loss dB	ANT POL (H/V)	Total dBuV/m	Limit dBuV/m	Margin dB
72.2	11.9	9.2	1.8	V	22.9	30.0	7.1
96.0	5.2	8.6	2.2	V	16.0	30.0	14.0
117.0	7.8	11.2	2.4	H	21.4	30.0	8.6
162.0	2.8	12.8	2.9	H	18.5	30.0	11.5
182.0	9.9	11.0	3.0	H	23.9	30.0	6.1
192.7	3.3	10.2	3.1	H	16.6	30.0	13.4
254.6	10.1	11.4	3.6	H	25.1	37.0	11.9
264.1	6.0	11.8	3.7	V	21.5	37.0	15.5
288.1	6.5	12.6	3.9	H	23.0	37.0	14.0
424.2	7.3	15.9	4.7	H	27.9	37.0	9.1
536.6	3.6	17.9	5.3	H	26.8	37.0	10.2
631.7	4.3	20.4	5.8	V	30.5	37.0	6.5

[DSUB]

Frequency MHz	Reading dBuV	Ant. Factor dB/m	Cable Loss dB	ANT POL (H/V)	Total dBuV/m	Limit dBuV/m	Margin dB
30.1	10.1	11.5	1.2	V	22.8	30.0	7.2
73.3	12.1	9.0	1.9	V	23.0	30.0	7.0
84.8	12.1	7.7	2.0	V	21.8	30.0	8.2
178.9	7.1	11.3	3.0	H	21.4	30.0	8.6
182.1	8.1	11.0	3.0	H	22.1	30.0	7.9
212.2	5.6	10.0	3.3	H	18.9	30.0	11.1
253.1	15.1	11.4	3.6	V	30.1	37.0	6.9
295.3	15.0	12.9	4.0	V	31.9	37.0	5.1
312.2	14.5	13.2	4.1	H	31.8	37.0	5.2
320.6	14.0	13.4	4.1	V	31.5	37.0	5.5
344.0	11.9	13.8	4.3	H	30.0	37.0	7.0
615.6	6.9	19.9	5.7	H	32.5	37.0	4.5

Radiated Measurements at 10-meters.

NOTES:

1. All modes of operation were investigated, and the worst-case emissions are reported.
2. The radiated limits are listed on Table 2 (Page 8).

*** Measurements using CISPR quasi-peak mode.

8.1 Sample Calculations

$$\text{dB } \mu\text{V} = 20 \log_{10}(\mu\text{V})$$

$$\text{dB } \mu\text{V} = \text{dBm} + 107$$

8.2 Example 1:

@ 0.1501 MHz

Class B limit	= 66.0 dB μV
Reading	= 38.40 dB μV)

Margin	= $66.0 - 38.40 = 27.6 \text{ dB } \mu\text{V}$
	= 27.6 dB below limit
	= -27.6 dB

8.3 Example 2:

@ 182.0 MHz

Class B limit	= 30.0 dB $\mu\text{V}/\text{m}$
Reading	= 9.9 dB $\mu\text{V}/\text{m}$
Antenna Factor + Cable Loss	= 14.0 dB
Total	= 23.9 dB $\mu\text{V}/\text{m}$

Margin	= $30.0 - 23.9 = 6.1 \text{ dB } \mu\text{V}/\text{m}$
	= 6.1 dB below limit
	= -6.1 dB

9.1 Test Equipment

<u>Type</u>	<u>Manufacture</u>	<u>Model Number</u>	<u>CAL Due Date</u>
Conducted Emission			
EMI Test Receiver	Rohde & Schwarz	ESCI	2007.08.24
LISN	Rohde & Schwarz	ESH2-Z5	2007.04.26
LISN	EMCO	703125	2007.04.26
LISN	Rohde & Schwarz	ESH3-Z6	2007.04.11
PULSE LIMITER	Rohde & Schwarz	ESH3-Z2	2007.10.30
Radiated Emission			
EMI Test Receiver	Rohde & Schwarz	ESCI40	2007.11.06
TRILOG Antenna	Schwarzbeck	9160	2007.04.17
Antenna Position Tower	HD	MA240	N/A
Turn Table	EMCO	1050	N/A
Controller	HD GmbH	HD 100	N/A
Slide Bar	HD GmbH	KMS 560	N/A

10.1 Test Software Used

The EUT exercise program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software, contained on a 3-1/2 inch disc, was inserted into drive A and is auto starting on power-up. Once loaded, the program sequentially exercises each system component in turn. The sequence used is :(1) Display test, (2) Key board test,(3) Printer test,(4) FDD test,(5) HDD test. The complete cycle takes about 20 seconds and is repeated continuously. As the keyboard and mouse are strictly input devices, no data is transmitted to them during test. They are however, continuously scanned for data input activity. The video resolution modes setup and change program was used during the radiated and conducted emission testing.

NOTE: This is a sample of the basic program used during the test. However, during testing, a different software program may be used; whichever determines the worst-case condition. In addition, the program used also depends on the number and type of devices being tested.

Actual program used is the "H" pattern in Notepad under Windows environment. All resolution modes (1280x1024,1366x768,1024x768, 800x600, 640x480,) were investigated and tested

11.1 Conclusion

The data collected shows that the **D&T Inc., 42" LCD Monitor(Non R/C PS)**
FCC ID:THCFCS-L4201C, Model: FS-L4201C complies with §15.107 and §15.109 of the FCC Rules.