





PHILIPS

<p>Philips Electronics Industries (Taiwan) Ltd - EMC Lab. 5, Tze Chiang 1 Road, Chungli Industrial Park, Chungli, Taoyuan, Taiwan Tel.: +886-3-454-9862 Fax.: +886-3-454-9887 E-mail: ronnie.yang@philips.com</p>	<h2>FCC Test Report</h2>	<p>Report No.: TYR87-2053</p> <p>Date : 25 August, 2003</p> <p>Page : Page 1 of 40</p>
<p>Customer : Philips Electronics Industries</p> <p>Name : Mr. S.T. Huang – EE LCD</p> <p>Address : 5, Tze Chiang 1 Road,</p> <p>Zip/City : Chungli Industrial Park,</p> <p>Country : Chungli, Taiwan, R.O.C.</p>		
<p>Equipment Under Test (including peripherals) :</p> <p>FCC ID. : A3KM126</p> <p>Model Name : W1700</p> <p>Serial Number : TY0304413</p> <p>Description : 17" SXGA LCD TV monitor, Max. resolution 1280x768/75Hz</p>		
<p>EMC Standards : FCC Part 15 of October 01,1999 Class B ANSI C63.4-1992</p> <p>Result : PASSED the limits/test-levels in the standards.</p> <p>Note : The results in this report apply only to the sample(s) and mode(s) tested. It is the manufacturer's responsibility to assume the continued EMC compliance of production models.</p>		
<p>Date of receipt of EUT : 01 Aug. 2003</p> <p>Date of performance of test : 03 Aug., 2003 to 04 Aug., 2003</p>		
<div style="display: flex; justify-content: space-around;"><div style="text-align: center;"> C.C. Wu - EMC Test Engineer</div><div style="text-align: center;"> Ronnie Yang - EMC Manager</div></div>		

Philips Electronics Industries (Taiwan) Ltd

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1. Summary of test results

Test	Standard	Result	Note
Emission, ANSI C63.4-1992			
Conducted emission	FCC Part 15	Passed	
Radiated emission	FCC Part 15	Passed	

Remark:

The test sample fully complies with the requirements set forth in : FCC Part 15 Class B.

2. General Information of EUT

The EUT, 17" color monitor :

Model No. : W1700
 FCC ID : A3KM126
 Brand : DELL

The color monitor automatically scans horizontal frequencies between 31KHz and 61KHz , and vertical frequencies between 56Hz and 75Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1280x768 pixels.

The monitor has 9 factory-preset modes as indicated in the following table:

Dot rate (MHz)		H.freq (KHz)	Mode	Resolution	V.freq (Hz)
1	28.32	31.47	IBM VGA	720 * 400	70
2	25.18	31.47	IBM VGA	640 * 480	60
3	31.50	37.50	VESA	640 * 480	75
4	40.00	37.88	VESA	800 * 600	60
5	49.50	46.88	VESA	800 * 600	75
6	65.00	48.36	VESA	1024 * 768	60
7	78.75	60.02	VESA	1024 * 768	75
8	79.50	47.78	WXGA	1280 * 768	60
9	102.25	60.29	WXGA	1280 * 768	75

3. Test Equipment

Test equipment used for line Conducted and Radiated emissions as following.

All equipment were calibrated according to ANSI C63.4-1992 and ISO-9000 requirement unless otherwise specified.

Traceability to R.O.C. and international standards is assured by using calibrated all equipment.

- For Conducted Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next Calibrate
Spectrum	HP8568B	2928A04640	02/27/2003	02/27/2004
EMI Receiver	R & S ESVS30	841977/006	02/27/2003	02/27/2004
LISN	EMCO 3825/2	9311-2153	06/16/2003	06/16/2004
LISN	EMCO 3825/2	9311-2154	06/16/2003	06/16/2004
RF Cable	8-meter	N/A	09/15-2002	09/15/2003

- For Radiated Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next Calibrate
Spectrum	HP8568B	2928A04640	09/02/2002	09/02/2003
RF Preselector	HP85685A	2620A00338	09/02/2002	09/02/2003
QP Adapter	HP85650A	2811A01324	09/02/2002	09/02/2003
EMI Receiver	R & S ESVS30	841977/006	02/27/2003	02/27/2004
Biconical Antenna	EMCO 3110B	3224	09/19/2002	09/19/2003
Log-Periodic Antenna	EMCO 3146A	1425	09/19/2002	09/19/2003
Turn Table	EMCO 1060	1068	09/15/2002	09/15/2003
Antenna Tower	EMCO 1050	1113	09/15/2002	09/15/2003
RF Cable	M17/75-RG214-NE	N/A	09/15/2002	09/15/2003

4. Test Configuration of EUT and Peripherals

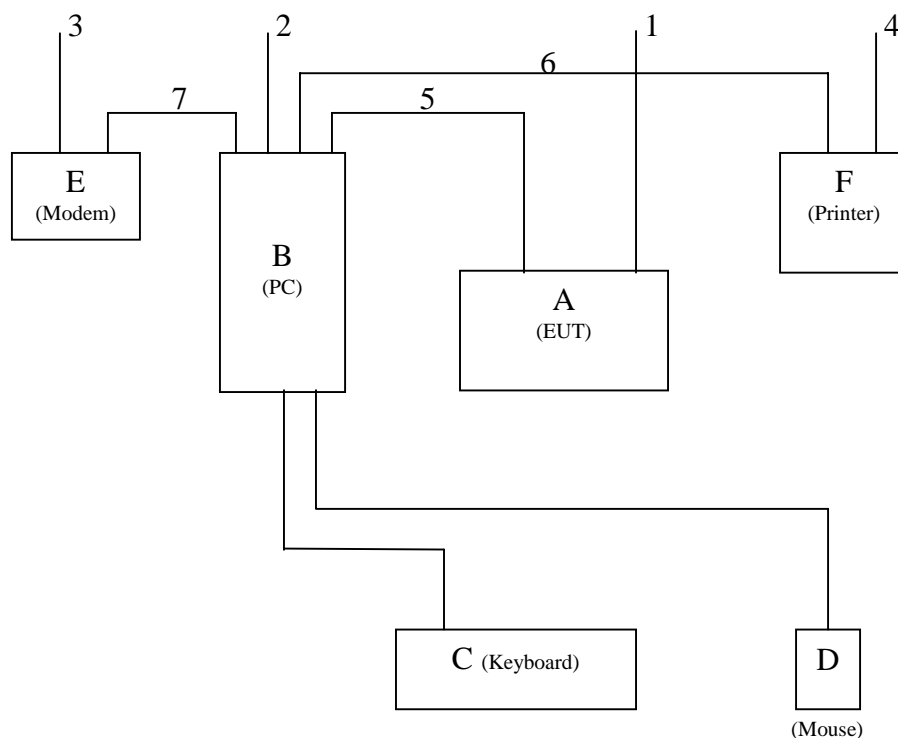
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT “W1700” were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	DELL W1700	TY0304413	A3KM126	EUT
B	PC	DELL DHM	FK25Y21	FCC Logo	
C	Keyboard	DELL SK-8100	38844-193-7480	FCC Logo	
D	Mouse	DELL M-S69	LZA31578847	JNZ211443	
E	Modem	Hayes 231AA	A22231081770	BFJ9D9308US	
F	Printer	HP 2225C	2934S55406	DSI6XU2225	

Connected Cables

No.	Description	Manufacturer	Length	Shielded	Remark
1	Power Cord	Long Shine	1.8 meters	No	for EUT
2	Power Cord	Acer	1.8 meters	No	for PC
3	Power Cord	Aceex	2.0 meters	No	for Modem
4	Power Cord	HP	1.8 meters	No	for Printer
5	Video Cable	Long Shine	1.5 meters	Yes	
6	Printer Cable	HP	1.8 meters	Yes	
7	Modem Cable	Aceex	1.5 meters	Yes	

System Block Diagram of Test Configuration



5. Test Procedure

Test was performed by:

PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
CONSUMER ELECTRONICS DIVISION
- EMC LAB

5, Tze Chiang 1 Road, Chungli Industrial Park
P.O. Box 123, Chungli, Taoyuan, Taiwan
Tel : 886-3-4549862 Fax : 886-3-4549887
Internet: ronnie.yang@philips.com

The test was performed in accordance with ANSI C63.4-1992, "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz"

Both conducted and radiated testing were performed according to the procedure in ANSI C63.4-1992. Conducted testing was performed in screen room and radiated testing was performed in open site at an antenna to EUT distance of 3-meter on horizontal and vertical polarization.

First, pre-scan all modes in screen room then select **3 higher modes** (worst case) were tested and reported.

The line conductive interference was tested with 110VAC and 220VAC receptively.

Unshielded power cord was used during test.

D-sub I/F cable with two ferrite cores was used.

Audio cable with one ferrite core was used.

Video cable with two ferrite core was used.

Tested and reported modes as following:

Test Item	File No.	Resolution	Frequencies	I/F Cable
Conducted	EMI03-032-C	1280x768	60KHz/75Hz	D-sub
		1024x768	60KHz/75Hz	D-sub
		1280x768	48KHz/60Hz	DVI
Radiated	EMI03-032-R	1280x768	60KHz/75Hz	D-sub
		1024x768	60KHz/75Hz	D-sub
		1280x768	48KHz/60Hz	DVI

Set up the EUT and all peripherals as chapter 6 of ANSI C63.4-1992 for AC power line conducted emissions testing and radiated emissions testing.

Turn on the power of EUT and all peripherals, select an appropriate displaying mode using the “setup” software. Then run an EMI test program “HTEST.EMI” as a basic software to execute the EUT operating under test. A pattern of scrolling H’s should be displayed on the monitor.

Step 1 : Run the “HTEST.EMI” on personal computer then sends “H” character to monitor continuously until full screen.

Step 2 : Personal computer sends a complete line of continuously repeating “H” to HP 2225C printer.

Step 3 : Personal computer sends a file of “H” pattern to floppy disk then read a file of “H” pattern from floppy disk.

Step 4 : Personal computer sends a file of “H” pattern to hard disk then read a file of “H” pattern from hard disk.

Step 5 : Personal computer sends a file of “H” pattern to USRobotics 268 modem.

Step 6 : Return to step 1

All data in this report are “PEAK” value within 15dB margin unless otherwise noted.

6. Measurement Uncertainty

The system uncertainty listed below are based on the instrument absolute specifications, and do not include uncertainties of the equipment under test.

Uncertainty for Radiated Emissions Test at 3 meters Test Site.

Source of Measurement Uncertainty	Uncertainty/dB
Antenna factor calibration	+/-2.0
Cable loss calibration	+/-0.5
Receiver specification	+/-1.0
Antenna position ver.	+/-2.0
Measurement distance ver.	+/-0.5
Site imperfections	+/-2.0
Mismatch	+/-1.1
System repeatability	+/-0.5

Uncertainty for Conducted Emissions Test at 3 meters Test Site.

Source of Measurement Uncertainty	Uncertainty/dB
LISN specification	+/-2.0
Cable loss calibration	+/-0.5
Receiver specification	+/-1.0
Pulse limiter Spec.	+/-0.3
Measurement distance ver.	+/-0.5
Site imperfections	+/-2.0
System repeatability	+/-0.5

7. Conducted Emissions Test

Conducted Emissions

FCC Part 15

Operating conditions EUT:

EUT powered on with scrolling “H” pattern.

Limits:

Frequency range (MHz)	Class A (dBuv) QP	Class B (dBuv) QP
0.45 – 1.705	60.0	48.0
1.705 – 30.0	69.5	48.0

Test Result :

Passed FCC Class B Limits

Option:

The following option may be employed if the conducted emissions exceed the limits, as appropriate, when measured using instrumentation employing a quasi-peak detector function: If the level of the emission measured using the quasi-peak instrumentation is 6dB, or, more higher than the level of the same emission measured with instrumentation having an average detector and a 9KHz minimum bandwidth, that emission is considered broadband and the level obtained with the quasi-peak detector may be reduced by 13dB for comparison to the limits.

Remark:

Date of Test

: 03 Aug., 2003 to 04 Aug., 2003

Test Engineer

: C.C.Wu

For detail measurement results see next pages.

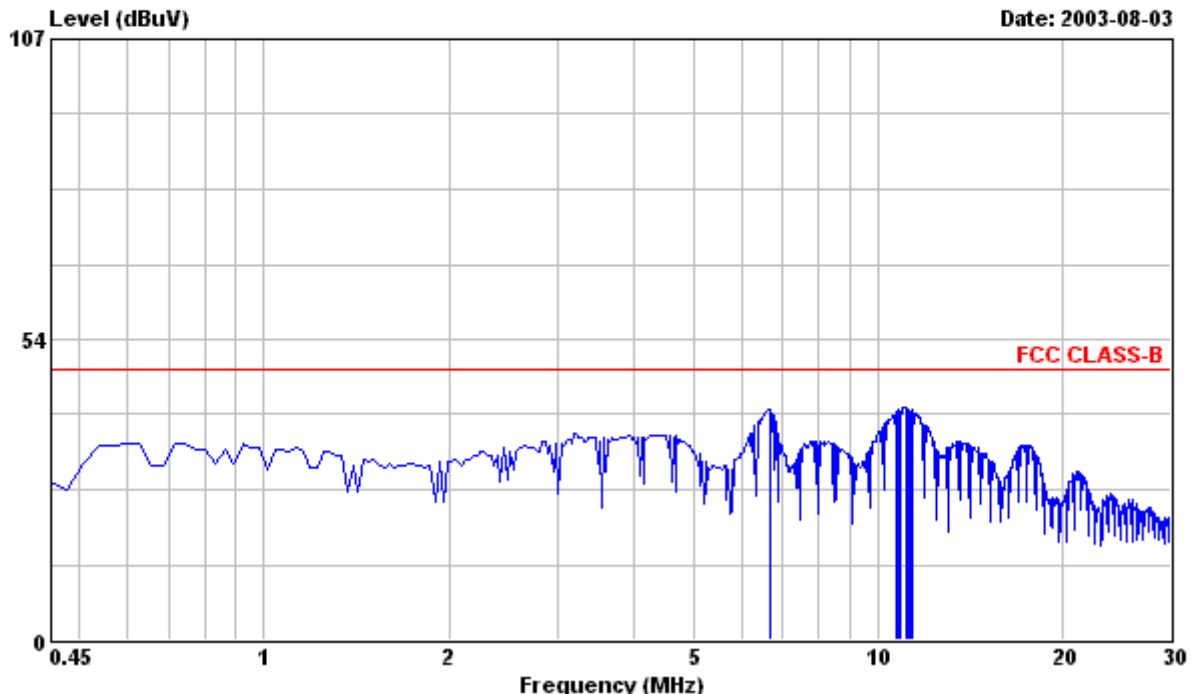


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Data#: 1

File#: C:\Program Files\em3\EMI03-032-C(DEL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : DELL W1700 Serial No:TY0304413
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
6.655	40.50	---	48.00	0.40	40.90	-7.10	Peak
10.733	40.10	---	48.00	0.62	40.72	-7.28	Peak
10.793	40.30	---	48.00	0.62	40.92	-7.08	Peak
10.852	40.10	---	48.00	0.62	40.72	-7.28	Peak
11.088	40.60	---	48.00	0.63	41.23	-6.77	Peak
11.206	40.40	---	48.00	0.63	41.03	-6.97	Peak
11.324	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.384	40.30	---	48.00	0.63	40.93	-7.07	Peak

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
6.655	40.50	---	48.00	0.40	40.90	-7.10	Peak
10.733	40.10	---	48.00	0.62	40.72	-7.28	Peak
10.793	40.30	---	48.00	0.62	40.92	-7.08	Peak
10.852	40.10	---	48.00	0.62	40.72	-7.28	Peak
11.088	40.60	---	48.00	0.63	41.23	-6.77	Peak
11.206	40.40	---	48.00	0.63	41.03	-6.97	Peak
11.324	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.384	40.30	---	48.00	0.63	40.93	-7.07	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.

2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)

3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

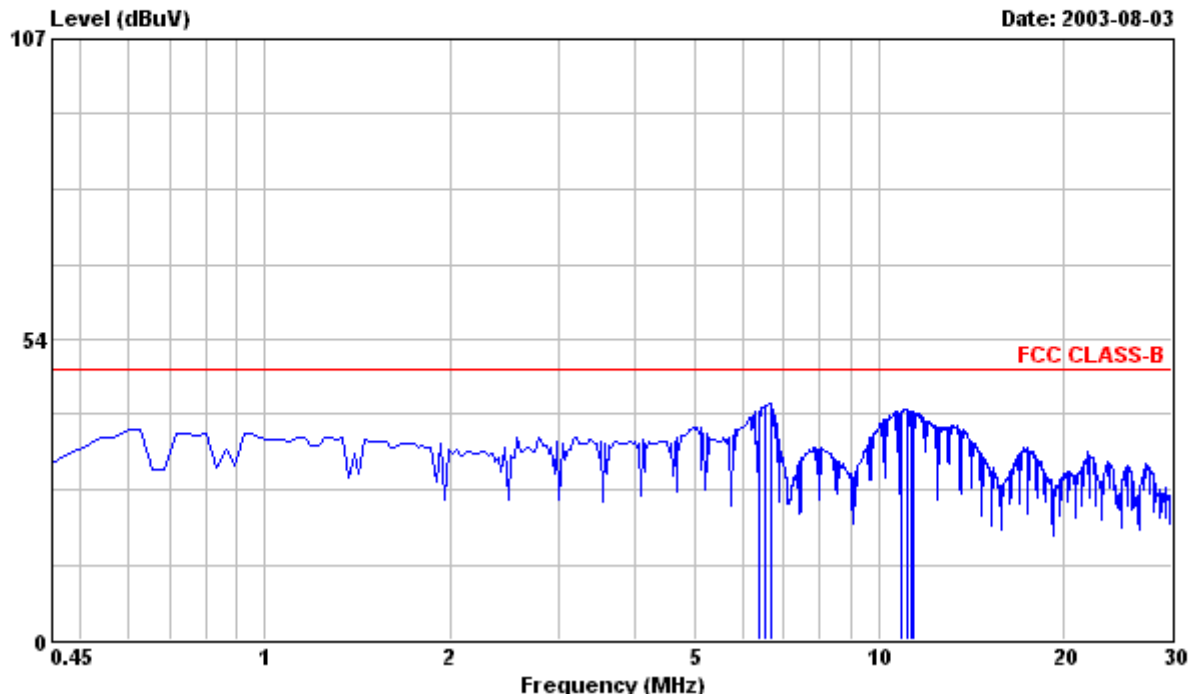


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Data#: 2

File#: C:\Program Files\em3\EMI03-032-C(DELL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							

6.360	40.30	---	48.00	0.40	40.70	-7.30	Peak
6.508	41.30	---	48.00	0.40	41.70	-6.30	Peak
6.655	41.60	---	48.00	0.40	42.00	-6.00	Peak
10.852	40.00	---	48.00	0.62	40.62	-7.38	Peak
11.088	40.50	---	48.00	0.63	41.13	-6.87	Peak
11.147	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.265	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.384	40.00	---	48.00	0.63	40.63	-7.37	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

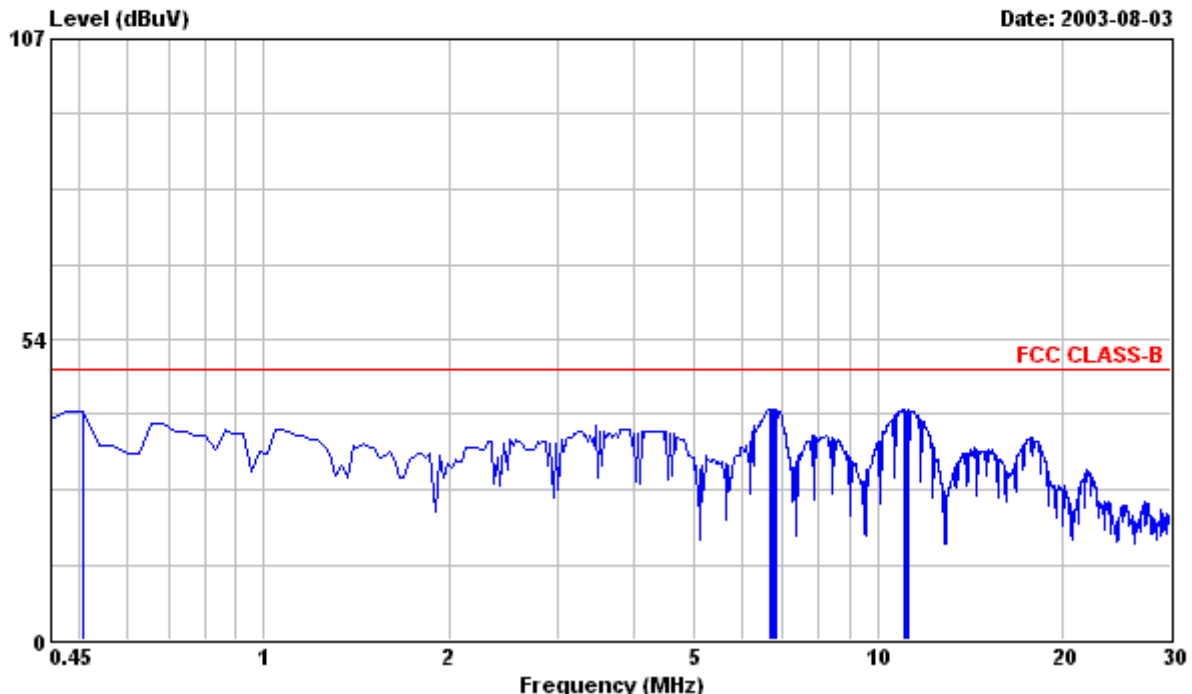


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Data#: 3

File#: C:\Program Files\em3\EMI03-032-C(DELL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : DELL W1700 Serial No:TY0304413
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
0.509	40.60	---	48.00	0.23	40.83	-7.17	Peak
6.655	40.60	---	48.00	0.40	41.00	-7.00	Peak
6.715	40.50	---	48.00	0.40	40.90	-7.10	Peak
6.774	40.60	---	48.00	0.40	41.00	-7.00	Peak
6.833	40.70	---	48.00	0.40	41.10	-6.90	Peak
11.029	40.40	---	48.00	0.62	41.02	-6.98	Peak
11.088	40.20	---	48.00	0.63	40.83	-7.17	Peak
11.206	40.30	---	48.00	0.63	40.93	-7.07	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)
Tested by : C C.Wu

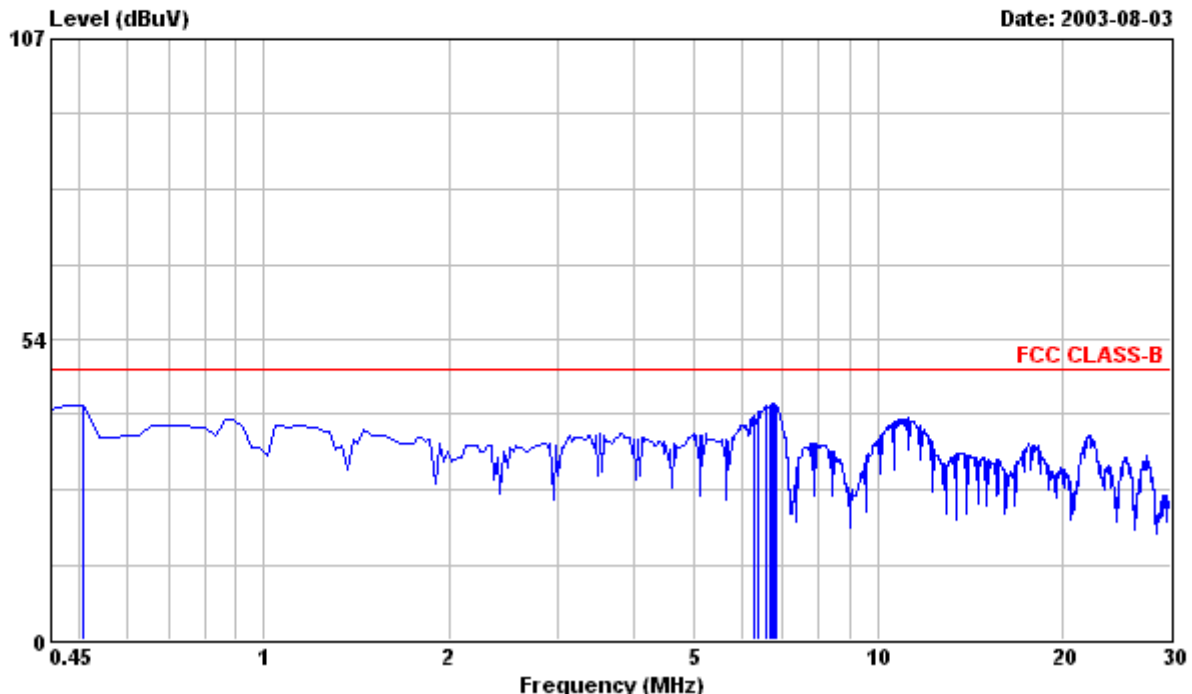


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Data#: 4

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Site : PHILIPS EMI Shielding Room
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EUT : DELL W1700 Serial No:TY0304413
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
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: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							

0.509	41.40	---	48.00	0.23	41.63	-6.37	Peak
6.301	39.40	---	48.00	0.40	39.80	-8.20	Peak
6.390	40.10	---	48.00	0.40	40.50	-7.50	Peak
6.567	41.50	---	48.00	0.40	41.90	-6.10	Peak
6.655	41.50	---	48.00	0.40	41.90	-6.10	Peak
6.715	41.70	---	48.00	0.40	42.10	-5.90	Peak
6.774	41.80	---	48.00	0.40	42.20	-5.80	Peak
6.833	41.40	---	48.00	0.40	41.80	-6.20	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

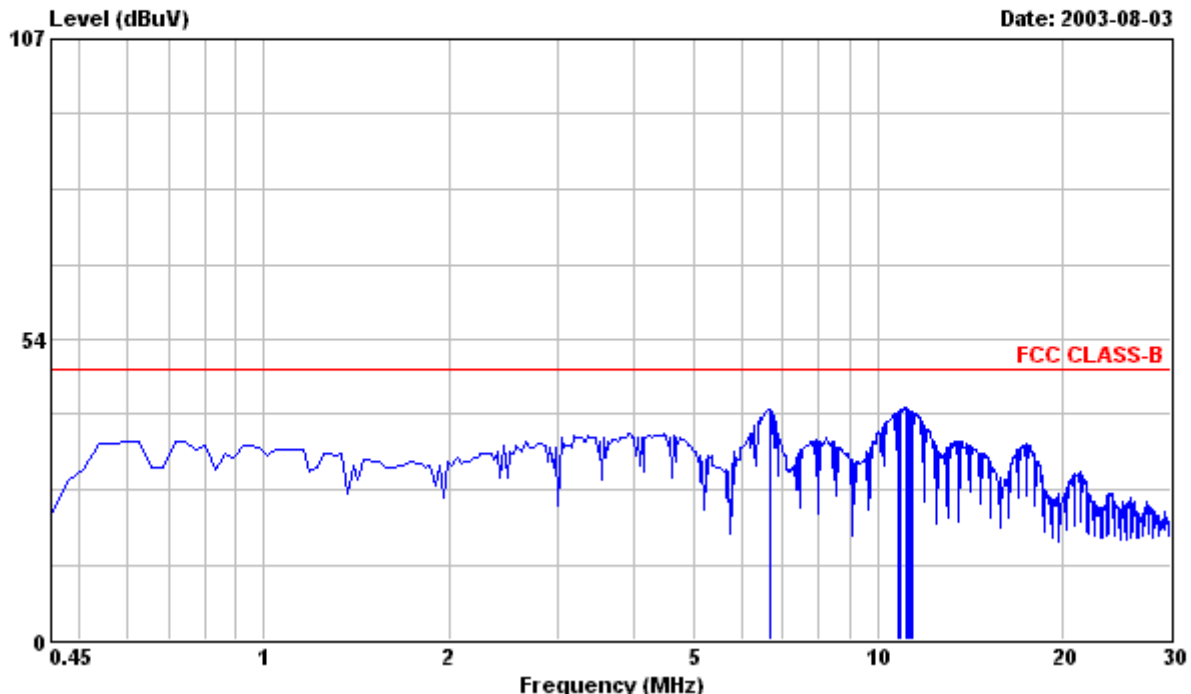


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EUT : DELL W1700 Serial No:TY0304413
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
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: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
-----------	--------------	------------	-------	--------	----------------	------------	--------

6.655	40.50	---	48.00	0.40	40.90	-7.10	Peak
10.793	40.00	---	48.00	0.62	40.62	-7.38	Peak
10.852	40.40	---	48.00	0.62	41.02	-6.98	Peak
11.088	40.60	---	48.00	0.63	41.23	-6.77	Peak
11.206	40.50	---	48.00	0.63	41.13	-6.87	Peak
11.265	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.324	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.384	39.90	---	48.00	0.63	40.53	-7.47	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.

2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)

3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

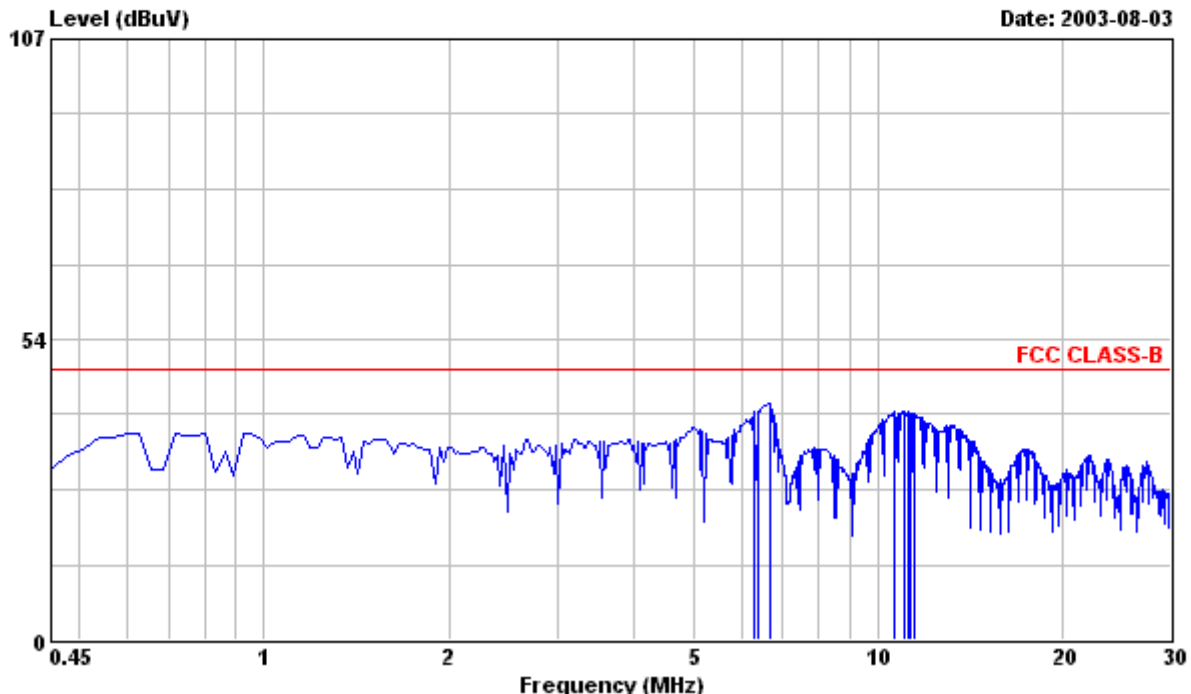


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Data#: 6

File#: C:\Program Files\em3\EMI03-032-C(DELL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							

6.301	40.20	---	48.00	0.40	40.60	-7.40	Peak
6.360	40.40	---	48.00	0.40	40.80	-7.20	Peak
6.655	41.60	---	48.00	0.40	42.00	-6.00	Peak
10.674	39.90	---	48.00	0.62	40.52	-7.48	Peak
11.029	40.20	---	48.00	0.62	40.82	-7.18	Peak
11.206	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.324	39.80	---	48.00	0.63	40.43	-7.57	Peak
11.472	39.80	---	48.00	0.63	40.43	-7.57	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

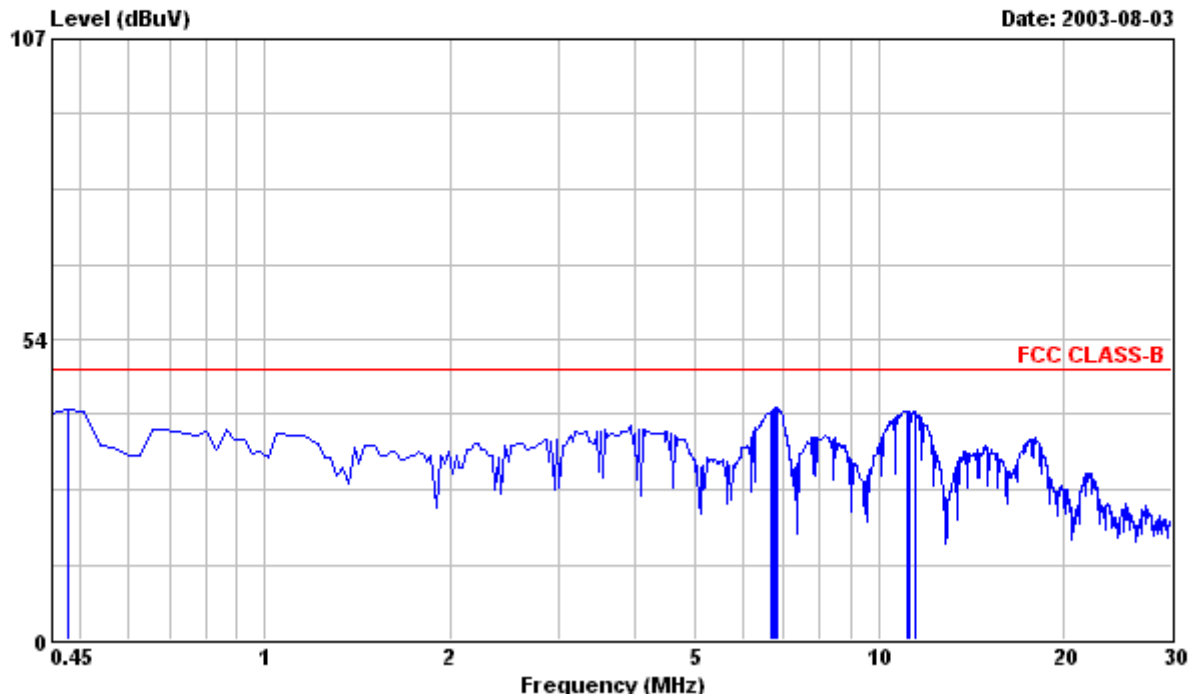


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Data#: 7

File#: C:\Program Files\em3\EMI03-032-C(DEL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : DELL W1700 Serial No:TY0304413
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
0.480	40.80	---	48.00	0.22	41.02	-6.98	Peak
6.655	40.20	---	48.00	0.40	40.60	-7.40	Peak
6.715	40.70	---	48.00	0.40	41.10	-6.90	Peak
6.774	40.80	---	48.00	0.40	41.20	-6.80	Peak
6.833	40.90	---	48.00	0.40	41.30	-6.70	Peak
11.088	40.20	---	48.00	0.63	40.83	-7.17	Peak
11.206	40.10	---	48.00	0.63	40.73	-7.27	Peak
11.443	39.90	---	48.00	0.63	40.53	-7.47	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)
Tested by : C C.Wu

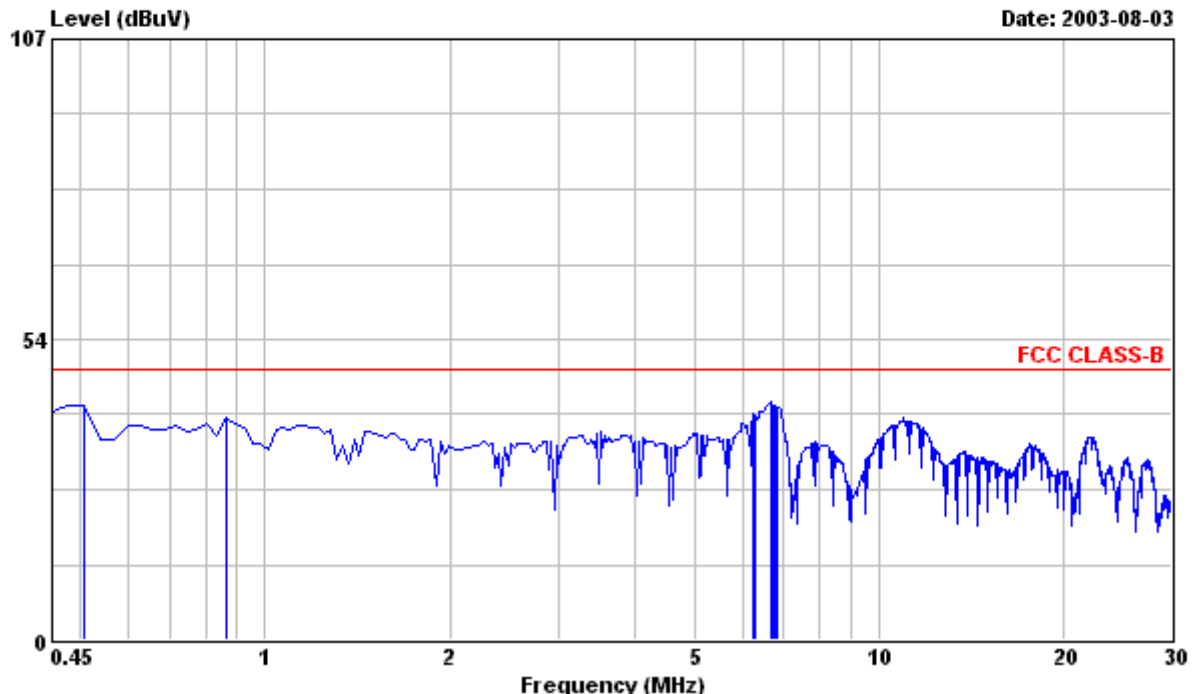


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Data#: 8

File#: C:\Program Files\em3\EMI03-032-C(DELL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : DELL W1700 Serial No:TY0304413
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							

0.509	41.50	---	48.00	0.23	41.73	-6.27	Peak
0.864	39.20	---	48.00	0.36	39.56	-8.44	Peak
6.242	39.80	---	48.00	0.40	40.20	-7.80	Peak
6.301	39.70	---	48.00	0.40	40.10	-7.90	Peak
6.655	41.90	---	48.00	0.40	42.30	-5.70	Peak
6.715	41.30	---	48.00	0.40	41.70	-6.30	Peak
6.774	41.40	---	48.00	0.40	41.80	-6.20	Peak
6.833	41.10	---	48.00	0.40	41.50	-6.50	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

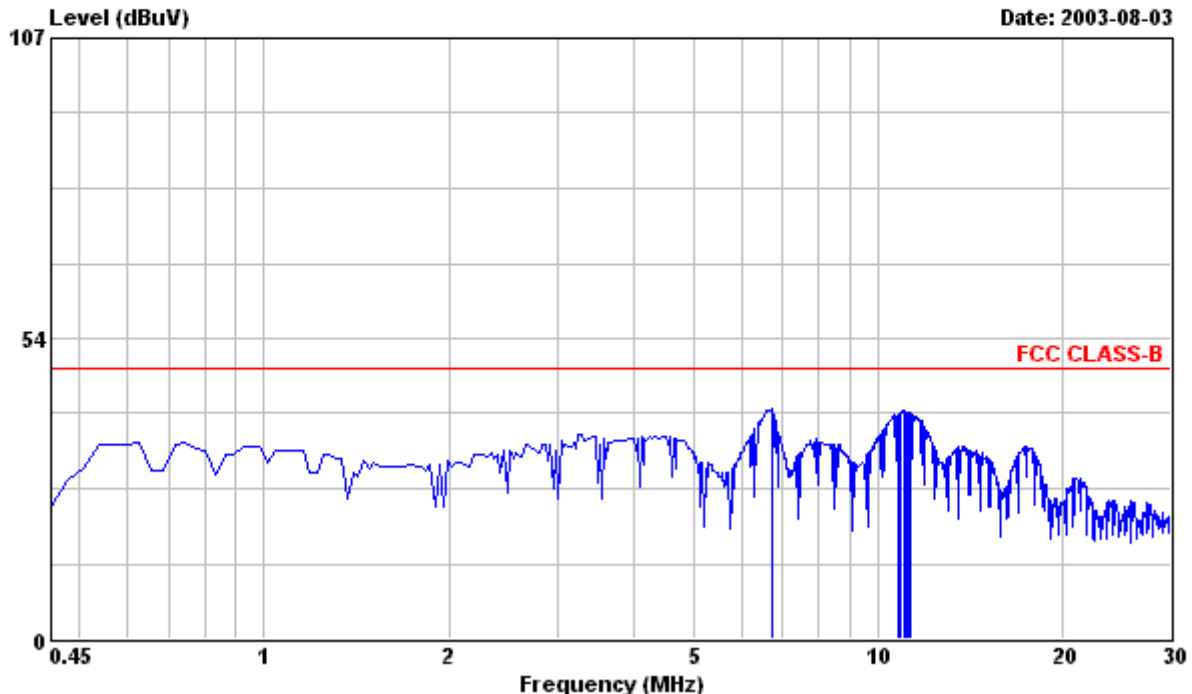


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Data#: 9

File#: C:\Program Files\es\EMI03-032-C(DELL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : DELL W1700 Serial No:TY0304413
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/60Hz 48KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & DVI I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
6.715	40.60	---	48.00	0.40	41.00	-7.00	Peak
10.793	39.40	---	48.00	0.62	40.02	-7.98	Peak
10.852	39.70	---	48.00	0.62	40.32	-7.68	Peak
11.029	39.90	---	48.00	0.62	40.52	-7.48	Peak
11.088	39.80	---	48.00	0.63	40.43	-7.57	Peak
11.206	39.60	---	48.00	0.63	40.23	-7.77	Peak
11.265	39.70	---	48.00	0.63	40.33	-7.67	Peak
11.324	39.70	---	48.00	0.63	40.33	-7.67	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)
Tested by : C C.Wu

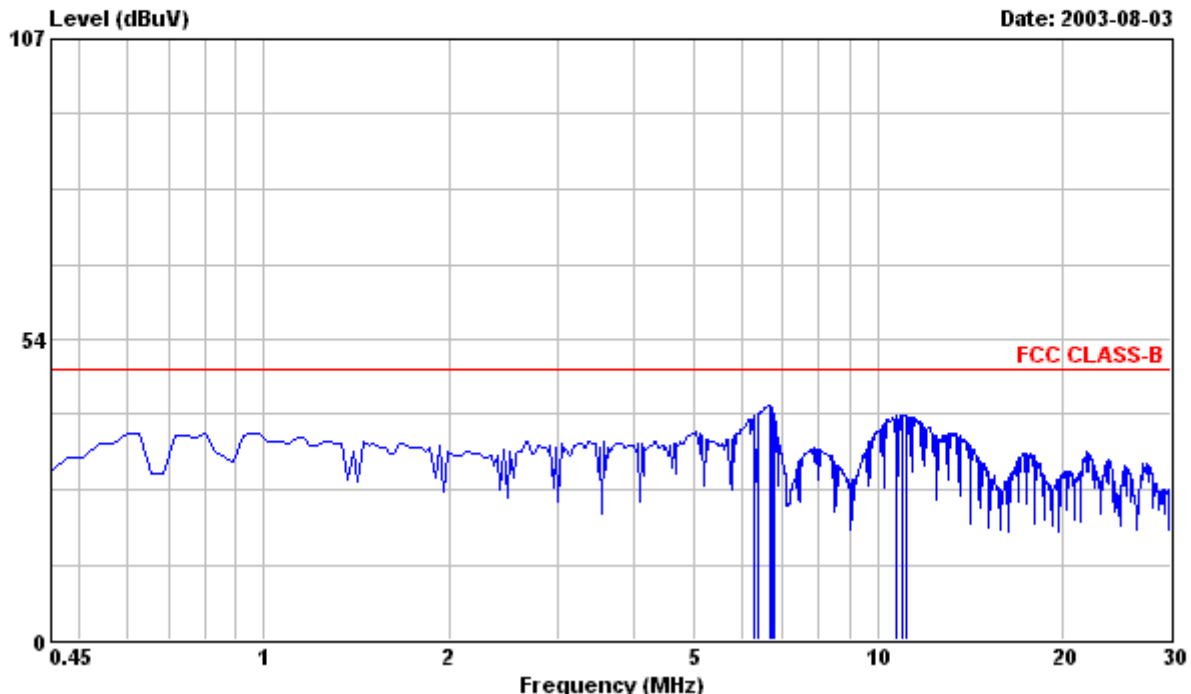


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Data#: 10

File#: C:\Program Files\em3\EMI03-032-C(DEL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/60Hz 48KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & DVI I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							

6.301	39.70	---	48.00	0.40	40.10	-7.90	Peak
6.360	39.80	---	48.00	0.40	40.20	-7.80	Peak
6.655	41.20	---	48.00	0.40	41.60	-6.40	Peak
6.715	40.80	---	48.00	0.40	41.20	-6.80	Peak
6.774	39.80	---	48.00	0.40	40.20	-7.80	Peak
10.733	39.50	---	48.00	0.62	40.12	-7.88	Peak
10.970	39.40	---	48.00	0.62	40.02	-7.98	Peak
11.088	39.30	---	48.00	0.63	39.93	-8.07	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

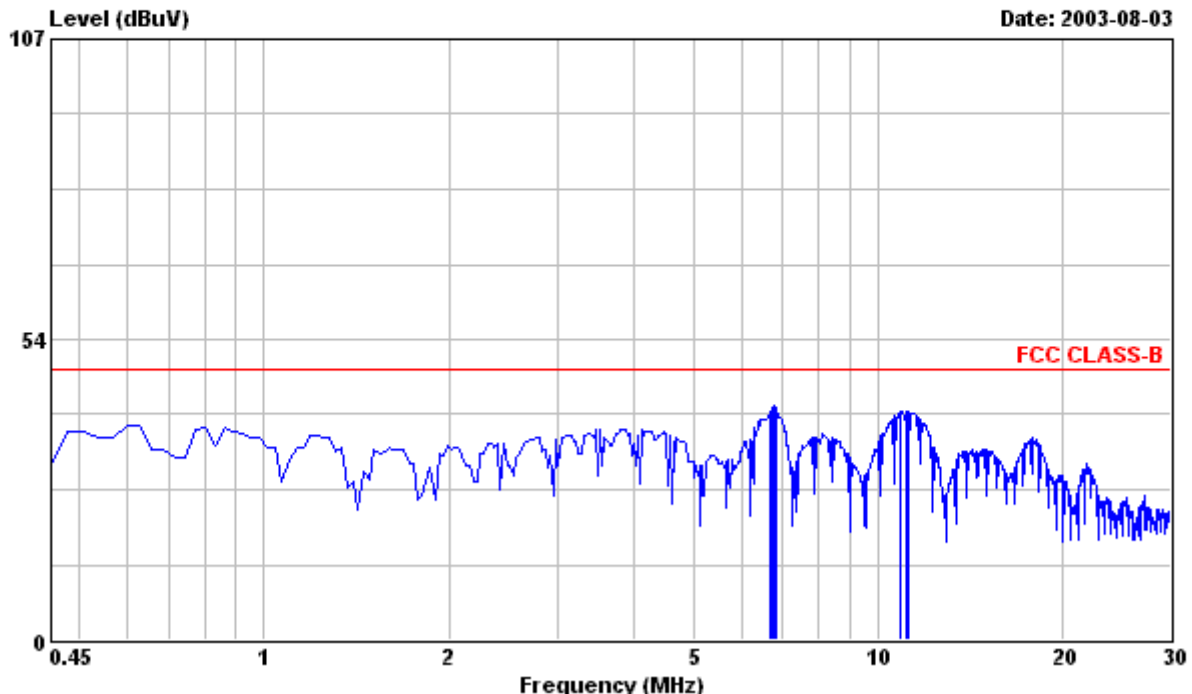


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Data#: 11

File#: C:\Program Files\em3\EMI03-032-C(DEL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : DELL W1700 Serial No:TY0304413
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/60Hz 48KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & DVI I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
6.655	40.40	---	48.00	0.40	40.80	-7.20	Peak
6.715	41.10	---	48.00	0.40	41.50	-6.50	Peak
6.774	41.30	---	48.00	0.40	41.70	-6.30	Peak
6.833	40.80	---	48.00	0.40	41.20	-6.80	Peak
10.911	40.00	---	48.00	0.62	40.62	-7.38	Peak
11.088	40.00	---	48.00	0.63	40.63	-7.37	Peak
11.147	40.10	---	48.00	0.63	40.73	-7.27	Peak
11.206	40.20	---	48.00	0.63	40.83	-7.17	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

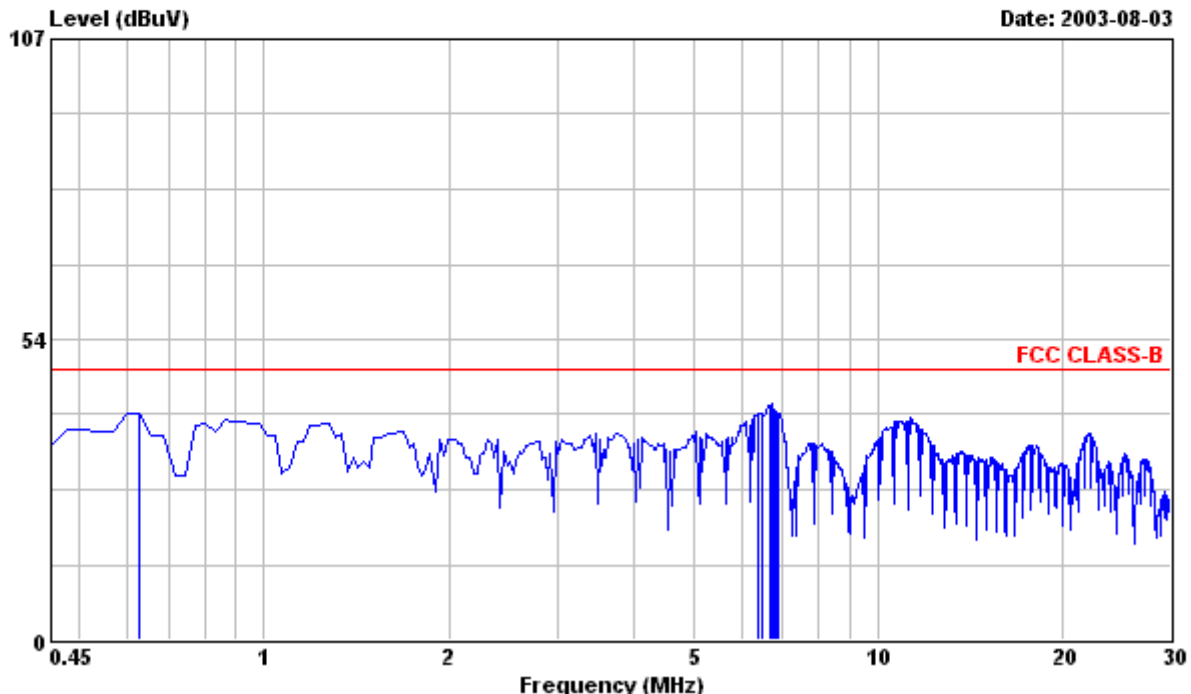


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Data#: 12

File#: C:\Program Files\em3\EMI03-032-C(DEL W1700).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : DELL W1700 Serial No:TY0304413
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/60Hz 48KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & DVI I/O CABLE WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							

0.627	40.10	---	48.00	0.28	40.38	-7.62	Peak
6.390	39.90	---	48.00	0.40	40.30	-7.70	Peak
6.478	40.00	---	48.00	0.40	40.40	-7.60	Peak
6.655	41.50	---	48.00	0.40	41.90	-6.10	Peak
6.715	41.60	---	48.00	0.40	42.00	-6.00	Peak
6.774	40.60	---	48.00	0.40	41.00	-7.00	Peak
6.833	40.40	---	48.00	0.40	40.80	-7.20	Peak
6.892	39.90	---	48.00	0.40	40.30	-7.70	Peak

Remarks: 1. All Readings are Peak & Quasi-Peak.
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

8. .Radiated Emission Test

<h1 style="text-align: center;">Radiated Emissions</h1> <h2 style="text-align: center;">FCC Part 15</h2>																				
<p>Operating conditions EUT:</p> <p>EUT powered on with scrolling “H” pattern.</p>																				
<p>Limits:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Frequency range (MHz)</th> <th style="width: 33%;">Class A at 10m (dBuv) QP</th> <th style="width: 33%;">Class B at 3m (dBuv) QP</th> </tr> </thead> <tbody> <tr> <td>30.0 – 88.0</td> <td>39.0</td> <td>40.0</td> </tr> <tr> <td>88.0 – 216.0</td> <td>43.5</td> <td>43.5</td> </tr> <tr> <td>216.0 – 960.0</td> <td>46.5</td> <td>46.0</td> </tr> <tr> <td>960.0 – 1000.0</td> <td>49.5</td> <td>54.0</td> </tr> <tr> <td>Above 1000.0</td> <td>49.5</td> <td>54.0 Average</td> </tr> </tbody> </table>			Frequency range (MHz)	Class A at 10m (dBuv) QP	Class B at 3m (dBuv) QP	30.0 – 88.0	39.0	40.0	88.0 – 216.0	43.5	43.5	216.0 – 960.0	46.5	46.0	960.0 – 1000.0	49.5	54.0	Above 1000.0	49.5	54.0 Average
Frequency range (MHz)	Class A at 10m (dBuv) QP	Class B at 3m (dBuv) QP																		
30.0 – 88.0	39.0	40.0																		
88.0 – 216.0	43.5	43.5																		
216.0 – 960.0	46.5	46.0																		
960.0 – 1000.0	49.5	54.0																		
Above 1000.0	49.5	54.0 Average																		
<p>Test Result :</p> <p style="text-align: center; font-size: 1.2em;">Passed FCC Class B Limits</p>																				
<p>Remark:</p>																				
<p>Date of Test</p> <p>Test Engineer</p>	<p>: 03 Aug., 2003 to 04 Aug., 2003</p> <p>: C.C.Wu</p>																			
<p>For detail measurement results see next pages.</p>																				

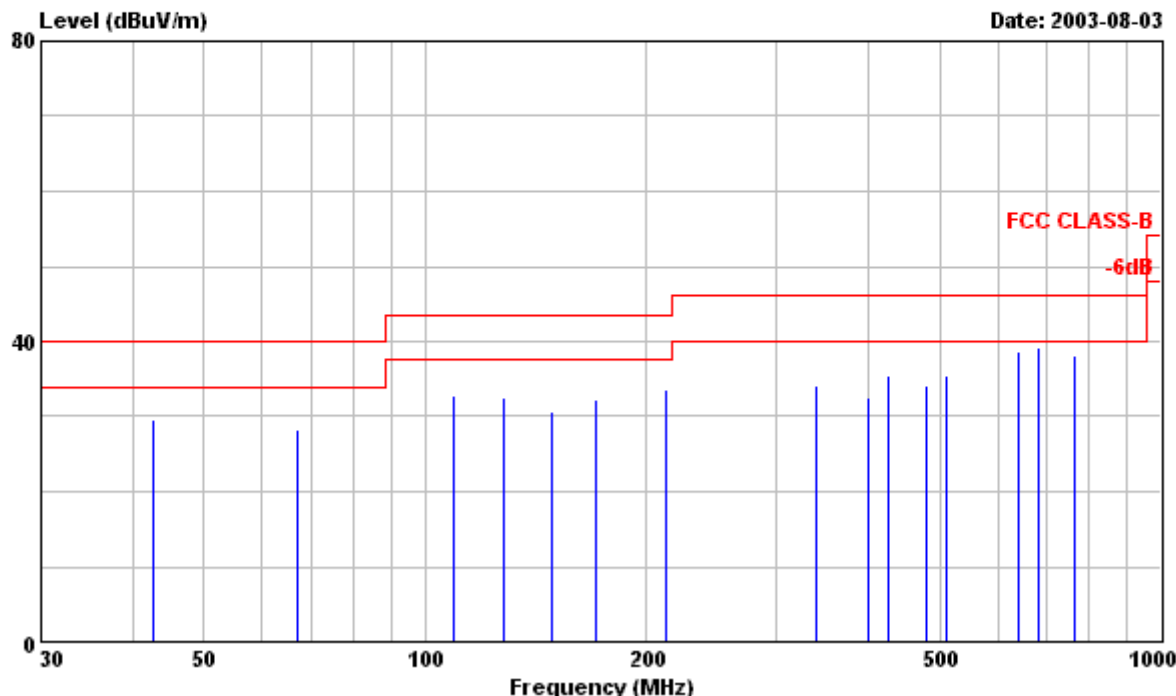


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Data#: 1

File#: C:\Program Files\em3\EMI03-032-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency Peak Reading QP reading Limit Factor Emission Level Over Limit Remark
HORIZONTAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
42.620	17.90	---	40.00	11.78	29.68	-10.32	Peak
66.920	18.40	---	40.00	9.97	28.37	-11.63	Peak
109.560	20.80	---	43.50	11.89	32.69	-10.81	Peak
127.820	19.90	---	43.50	12.61	32.51	-10.99	Peak
148.870	17.29	---	43.50	13.38	30.67	-12.83	Peak
170.060	18.30	---	43.50	13.97	32.27	-11.23	Peak
212.490	16.30	---	43.50	17.42	33.72	-9.78	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
					HORIZONTAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
340.070	16.80	---	46.00	17.30	34.10	-11.90	Peak
400.920	14.20	---	46.00	18.40	32.60	-13.40	Peak
425.080	16.70	---	46.00	18.75	35.45	-10.55	Peak
480.200	14.90	---	46.00	19.47	34.37	-11.63	Peak
510.090	15.70	---	46.00	19.87	35.57	-10.43	Peak
640.270	16.50	---	46.00	22.19	38.69	-7.31	Peak
680.130	16.20	---	46.00	23.08	39.28	-6.72	Peak
765.160	13.70	---	46.00	24.39	38.09	-7.91	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

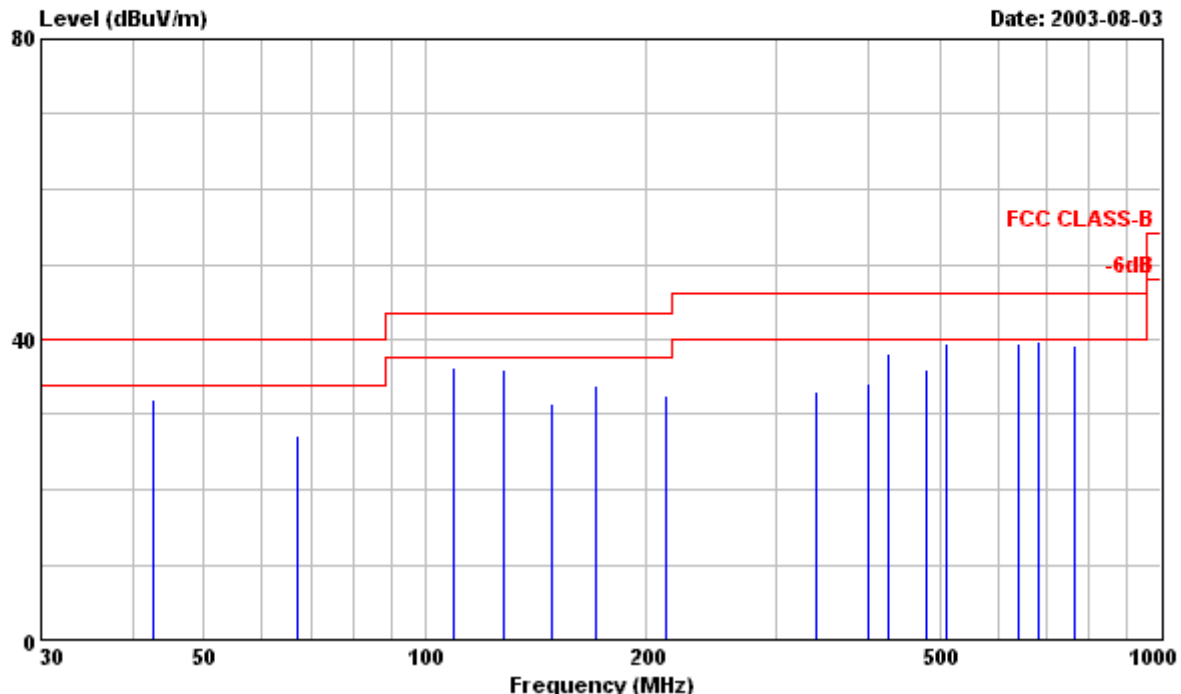


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Data#: 2

File#: C:\Program Files\es\EMI03-032-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency Peak Reading QP reading Limit Factor Emission Level Over Limit Remark
VERTICAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
42.620	20.30	---	40.00	11.78	32.08	-7.92	Peak
66.920	17.20	---	40.00	9.97	27.17	-12.83	Peak
109.560	24.30	---	43.50	11.89	36.19	-7.31	Peak
127.820	23.49	---	43.50	12.61	36.10	-7.40	Peak
148.870	18.20	---	43.50	13.38	31.58	-11.92	Peak
170.060	20.00	---	43.50	13.97	33.97	-9.53	Peak
212.490	15.20	---	43.50	17.42	32.62	-10.88	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
					VERTICAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
340.070	15.90	---	46.00	17.30	33.20	-12.80	Peak
400.920	16.10	---	46.00	18.40	34.50	-11.50	Peak
425.080	19.30	---	46.00	18.75	38.05	-7.95	Peak
480.200	16.50	---	46.00	19.47	35.97	-10.03	Peak
510.090	19.60	---	46.00	19.87	39.47	-6.53	Peak
640.270	17.20	---	46.00	22.19	39.39	-6.61	Peak
680.130	16.70	---	46.00	23.08	39.78	-6.22	Peak
765.160	14.80	---	46.00	24.39	39.19	-6.81	Peak

- Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

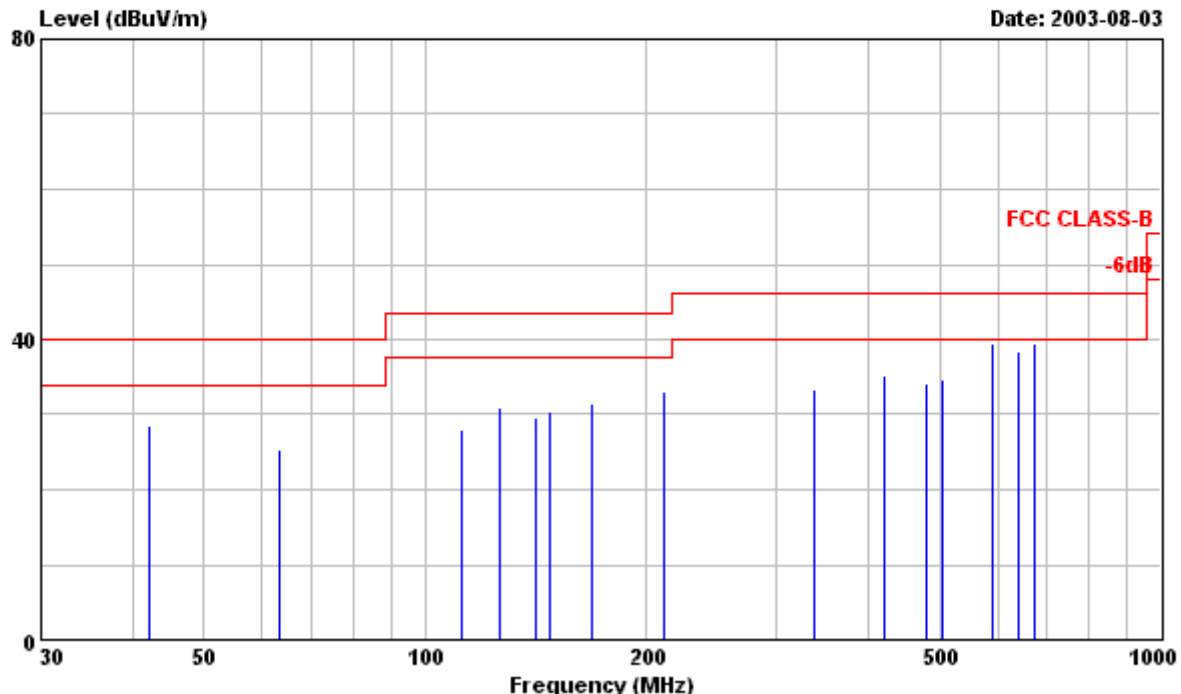


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Data#: 3

File#: C:\Program Files\es\EMI03-032-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency Peak Reading QP reading Limit Factor Emission Level Over Limit Remark
HORIZONTAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
42.160	16.80	---	40.00	11.84	28.64	-11.36	Peak
63.240	15.40	---	40.00	9.93	25.33	-14.67	Peak
111.820	16.10	---	43.50	12.00	28.10	-15.40	Peak
126.540	18.30	---	43.50	12.55	30.85	-12.65	Peak
140.980	16.59	---	43.50	13.10	29.69	-13.81	Peak
147.540	17.20	---	43.50	13.32	30.52	-12.98	Peak
168.290	17.60	---	43.50	13.93	31.53	-11.97	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
					HORIZONTAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
210.620	15.80	---	43.50	17.28	33.08	-10.42	Peak
337.070	16.10	---	46.00	17.25	33.35	-12.65	Peak
420.620	16.40	---	46.00	18.69	35.09	-10.91	Peak
480.210	14.60	---	46.00	19.47	34.07	-11.93	Peak
504.730	15.00	---	46.00	19.79	34.79	-11.21	Peak
588.860	18.50	---	46.00	21.06	39.56	-6.44	Peak
640.270	16.10	---	46.00	22.19	38.29	-7.71	Peak
672.970	16.60	---	46.00	22.92	39.52	-6.48	Peak

- Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

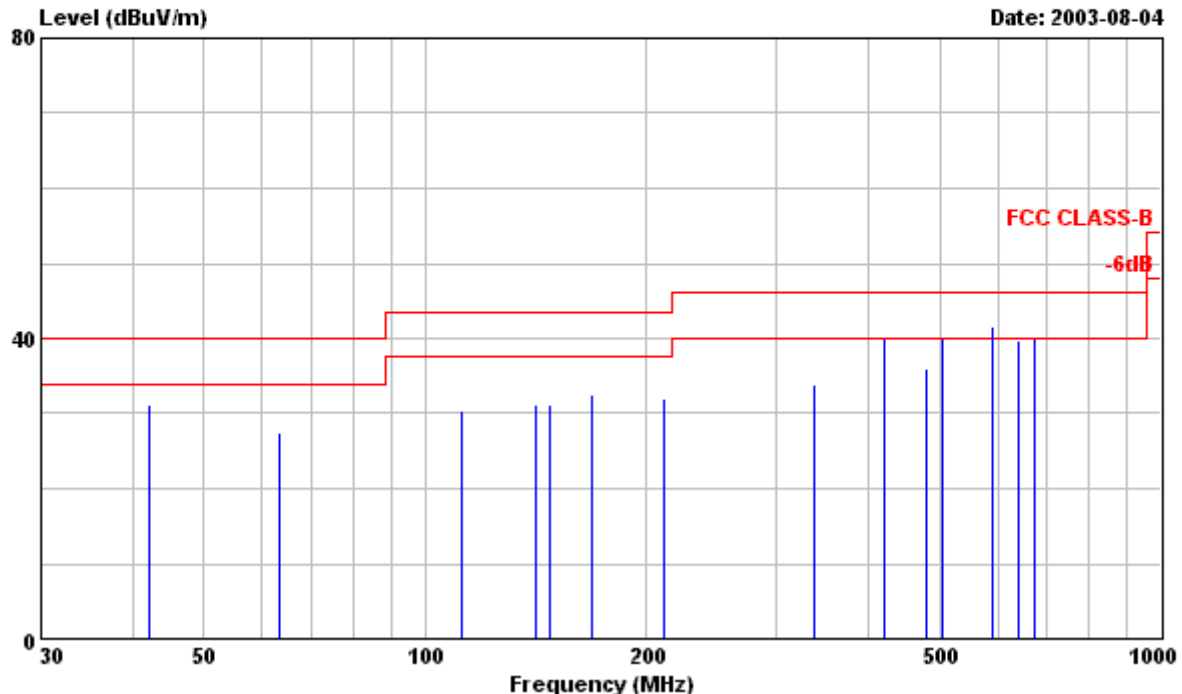


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Data#: 4

File#: C:\Program Files\em3\EMI03-032-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & D-SUB I/O CABLE WAS TESTED.

Frequency	Peak	Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz		dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
42.160		19.30	---	40.00	11.84	31.14	-8.86	Peak
63.240		17.60	---	40.00	9.93	27.53	-12.47	Peak
111.820		18.40	---	43.50	12.00	30.40	-13.10	Peak
140.980		18.09	---	43.50	13.10	31.19	-12.31	Peak
147.540		17.80	---	43.50	13.32	31.12	-12.38	Peak
168.290		18.70	---	43.50	13.93	32.63	-10.87	Peak
210.620		14.80	---	43.50	17.28	32.08	-11.42	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	VERTICAL dBuV/m	dBuV/m	
337.070	16.50	---	46.00	17.25	33.75	-12.25	Peak
420.620	21.30	---	46.00	18.69	39.99	-6.01	Peak
480.210	16.60	---	46.00	19.47	36.07	-9.93	Peak
504.730	20.10	---	46.00	19.79	39.89	-6.11	Peak
588.860	---	18.49	46.00	21.06	39.55	-6.45	QP
! 588.860	20.50	---	46.00	21.06	41.56	-4.44	Peak
640.270	17.60	---	46.00	22.19	39.79	-6.21	Peak
! 672.970	17.11	---	46.00	22.92	40.03	-5.97	Peak
672.970	---	13.82	46.00	22.92	36.74	-9.26	QP

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

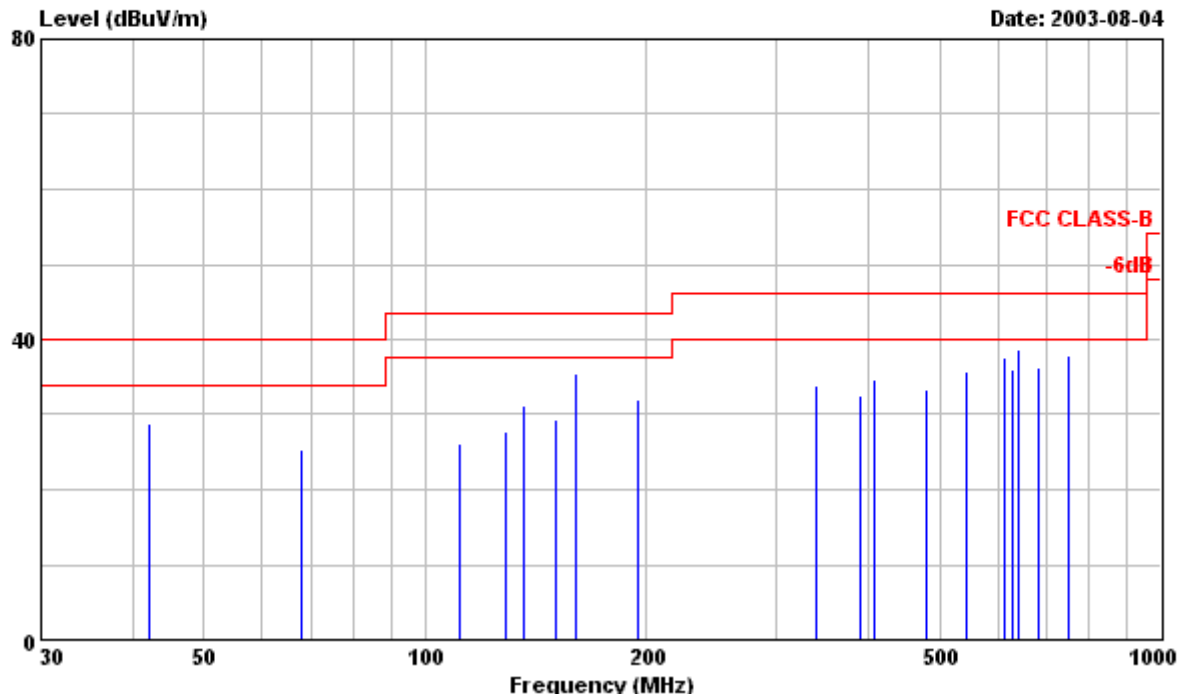


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Data#: 5

File#: C:\Program Files\em3\EMI03-032-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/60Hz 48KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & DVI I/O CABLE WAS TESTED.

Frequency Peak Reading QP reading Limit Factor Emission Level Over Limit Remark
HORIZONTAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
42.080	16.90	---	40.00	11.85	28.75	-11.25	Peak
67.940	15.30	---	40.00	9.98	25.28	-14.72	Peak
111.030	14.20	---	43.50	11.97	26.17	-17.33	Peak
128.430	15.10	---	43.50	12.64	27.74	-15.76	Peak
136.040	18.20	---	43.50	12.92	31.12	-12.38	Peak
150.280	15.90	---	43.50	13.43	29.33	-14.17	Peak
160.080	21.70	---	43.50	13.71	35.41	-8.09	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
HORIZONTAL							
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
195.000	16.20	---	43.50	15.86	32.06	-11.44	Peak
340.070	16.70	---	46.00	17.30	34.00	-12.00	Peak
389.980	14.40	---	46.00	18.21	32.61	-13.39	Peak
408.070	16.20	---	46.00	18.50	34.70	-11.30	Peak
480.200	13.90	---	46.00	19.47	33.37	-12.63	Peak
544.090	15.30	---	46.00	20.39	35.69	-10.31	Peak
612.110	16.00	---	46.00	21.51	37.51	-8.49	Peak
626.690	14.20	---	46.00	21.88	36.08	-9.92	Peak
640.270	16.60	---	46.00	22.19	38.79	-7.21	Peak
680.130	13.20	---	46.00	23.08	36.28	-9.72	Peak
748.130	13.70	---	46.00	24.15	37.85	-8.15	Peak

- Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

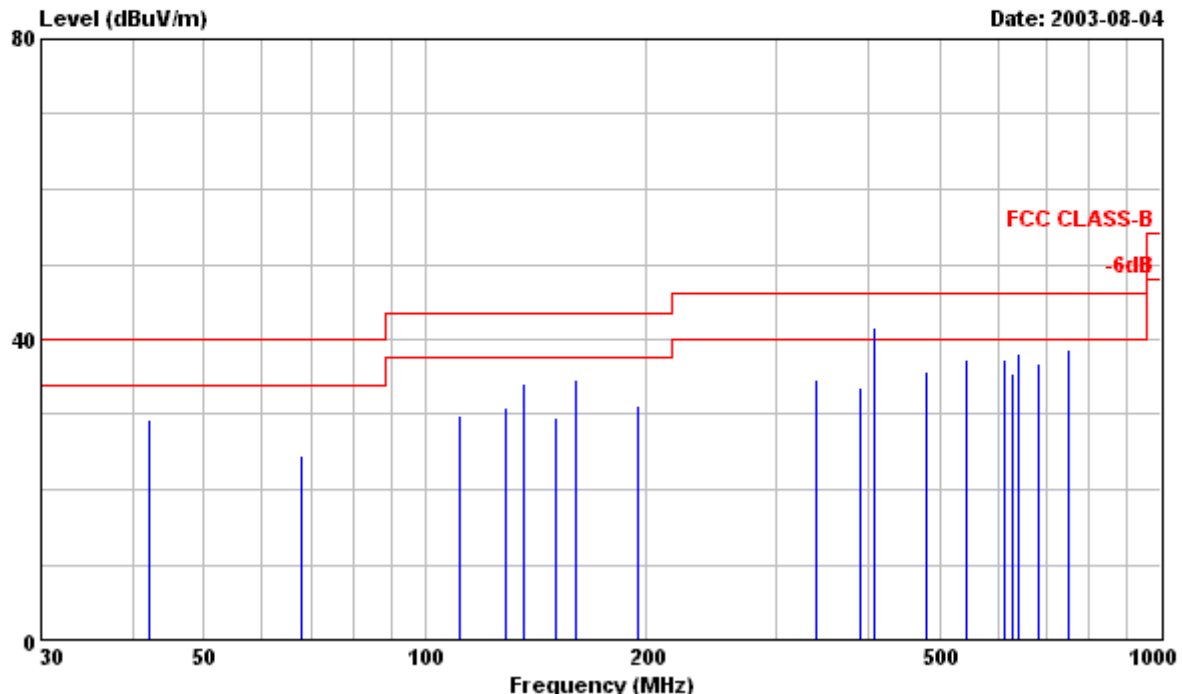


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Data#: 6

File#: C:\Program Files\em3\EMI03-032-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : DELL W1700 Serial No:TY0304413
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,DELL "H" PATTERN.
: 3. EXTRA PC AUDIO,VIDEO,S-VHS AUDIO,
: VIDEO, AV IN,COMPONENT & ANT CABLE
: WERE CONNECTED WITH DUMMY LOAD
: & WITH HEADPHONE.
: 4. 1280x768/60Hz 48KHz MODE WITH DELL
: DHM PC, NVIDIA GeForce FX5200 VIDEO
: CARD & DVI I/O CABLE WAS TESTED.

Frequency Peak Reading QP reading Limit Factor Emission Level Over Limit Remark
VERTICAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
42.080	17.40	---	40.00	11.85	29.25	-10.75	Peak
67.940	14.50	---	40.00	9.98	24.48	-15.52	Peak
111.030	17.80	---	43.50	11.97	29.77	-13.73	Peak
128.430	18.20	---	43.50	12.64	30.84	-12.66	Peak
136.040	21.20	---	43.50	12.92	34.12	-9.38	Peak
150.280	16.20	---	43.50	13.43	29.63	-13.87	Peak
160.080	20.90	---	43.50	13.71	34.61	-8.89	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
					VERTICAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
195.000	15.30	---	43.50	15.86	31.16	-12.34	Peak
340.070	17.40	---	46.00	17.30	34.70	-11.30	Peak
389.980	15.30	---	46.00	18.21	33.51	-12.49	Peak
! 408.070	23.10	---	46.00	18.50	41.60	-4.40	Peak
! 408.070	---	21.67	46.00	18.50	40.17	-5.83	QP
480.200	16.30	---	46.00	19.47	35.77	-10.23	Peak
544.090	17.00	---	46.00	20.39	37.39	-8.61	Peak
612.110	15.80	---	46.00	21.51	37.31	-8.69	Peak
626.690	13.60	---	46.00	21.88	35.48	-10.52	Peak
640.270	15.90	---	46.00	22.19	38.09	-7.91	Peak
680.130	13.70	---	46.00	23.08	36.78	-9.22	Peak
748.130	14.60	---	46.00	24.15	38.75	-7.25	Peak

- Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu