



PHILIPS

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	FCC Test Report	Report No.: TYR87-2046 Date : 24 April, 2003 Page : Page 1 of 58
Customer : Philips Electronics Industries Name : Mr. S.T. Huang – EE LCD Address : 5, Tze Chiang 1 Road, Zip/City : Chungli Industrial Park, Country : Chungli, Taiwan, R.O.C.		
Equipment Under Test (including peripherals) : FCC ID. : A3KM117 Model Name : 150P4, 150B4 Serial Number : TY0302084, TY0211683 Description : 15" XGA LCD color monitor, Max. resolution 1024x768/75Hz		
EMC Standards : FCC Part 15 of October 01,1999 Class B ANSI C63.4-1992 Result : PASSED the limits/test-levels in the standards. 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.		
Date of receipt of EUT : 03 Apr. 2003 Date of performance of test : 05 Apr., 2003 to 21 Apr., 2003		
 C.C. Wu - EMC Test Engineer  Ronnie Yang - EMC Manager NVLAP Signatory		

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, 15" color monitor :

Model No. : 150P4, 150B4

FCC ID : A3KM117

Brand : PHILIPS

The color monitor automatically scans horizontal frequencies between 31KHz and 61KHz , and vertical frequencies between 56Hz and 76Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1024x768 pixels.

The monitor has 14 factory-preset modes as indicated in the following table:

Mode	Resolution	H. freq. / V. freq	Standard
1.	640 x 350	31.469Khz/70.087Hz	VGA
2.	720 x 400	31.469Khz/70.087Hz	VGA
3.	640 x 480	31.469Khz/59.940Hz	VGA
4.	640 x 480	35.000Khz/66.667Hz	Macintosh
5.	640 x 480	37.861Khz/72.809Hz	VESA
6.	640 x 480	37.500Khz/75.000Hz	VESA
7.	800 x 600	35.156Khz/56.250Hz	VESA
8.	800 x 600	37.879Khz/60.317Hz	VESA
9.	800 x 600	48.077Khz/72.188Hz	VESA
10.	800 x 600	46.875Khz/75.000Hz	VESA
11.	832 x 624	49.700Khz/75.000Hz	Macintosh
12.	1024 x 768	48.363Khz/60.004Hz	VESA
13.	1024 x 768	56.476Khz/70.069Hz	VESA
14.	1024 x 768	60.023Khz/75.029Hz	VESA

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	06/27/2002	06/27/2003
EMI Receiver	R & S ESVS30	841977/006	06/13/2002	06/13/2003
LISN	EMCO 3825/2	9311-2153	06/13/2002	06/13/2003
LISN	EMCO 3825/2	9311-2154	06/13/2002	06/13/2003
RF Cable	8-meter	N/A	05/29-2002	05/29/2003

- For Radiated Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next Calibrate
Spectrum	HP8568B	2928A04640	06/27/2002	06/27/2003
RF Preselector	HP85685A	2620A00338	06/27/2002	06/27/2003
QP Adapter	HP85650A	2811A01324	06/27/2002	06/27/2003
EMI Receiver	R & S ESVS30	841977/006	06/13/2002	06/13/2003
Biconical Antenna	EMCO 3110B	3222	06/04/2002	06/04/2003
Biconical Antenna	EMCO 3110B	3224	06/04/2002	06/04/2003
Log-Periodic Antenna	EMCO 3146A	1424	06/04/2002	06/04/2003
Log-Periodic Antenna	EMCO 3146A	1425	06/04/2002	06/04/2003
Turn Table	EMCO 1060	1068	05/27/2002	05/27/2003
Antenna Tower	EMCO 1050	1113	05/27/2002	05/27/2003
RF Cable	M17/75-RG214-NE	N/A	05/27/2002	05/27/2003

4. Test Configuration of EUT and Peripherals

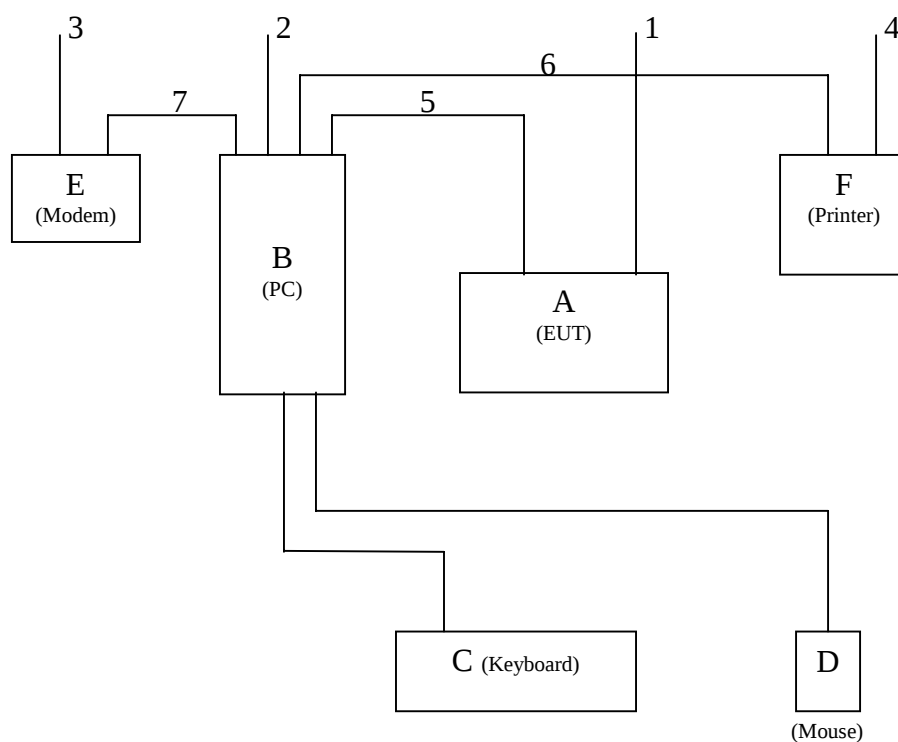
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT “150P4, 150B4” were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	PHILIPS 150P4 PHILIPS 150B4	TY0302084 TY0211683	A3KM117	EUT
B	PC	Compaq ENC P866	5K15FXHZ2013	FCC Logo	
C	Keyboard	Compaq KB-9963	B26950GGALP13Q	FCC Logo	
D	Mouse	Compaq M-S48a		JNZ201213	
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 **2 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.

DVI I/F cable with two ferrite cores was used for 150P4 only.

Audio cable with one ferrite cores was used.

Tested and reported modes as following:

Test Item	File No.	Resolution	Frequencies	I/F Cable
Conducted	EMI03-015-C	1024x768	60KHz/75Hz	DVI & D-sub
		800x600	47KHz/75Hz	D-sub
	EMI03-016-C	1024x768	60KHz/75Hz	D-sub
		800x600	47KHz/75Hz	
Radiated	EMI03-015-R	1024x768	60KHz/75Hz	DVI & D-sub
		800x600	47KHz/75Hz	D-sub
	EMI03-016-R	1024x768	60KHz/75Hz	D-sub
		800x600	47KHz/75Hz	

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	: 05 Apr., 2003 to 21 Apr., 2003	
Test Engineer	: C.C.Wu	
For detail measurement results see next pages.		

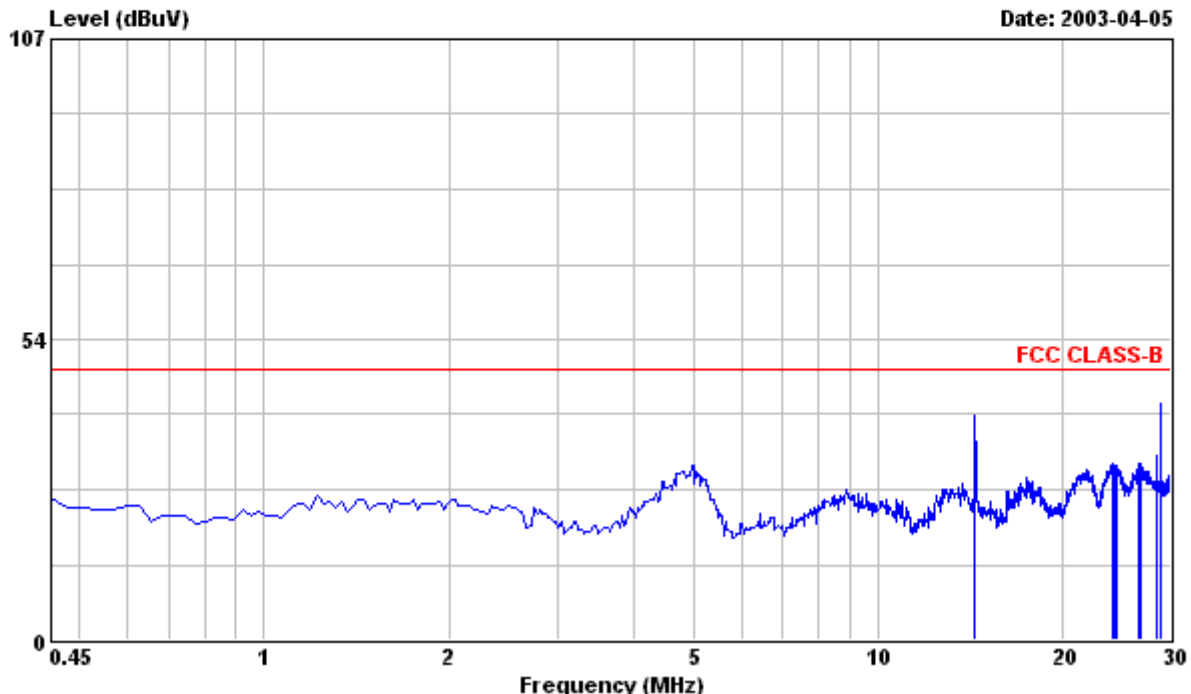


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Data#: 1

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
14.398	39.10	---	48.00	0.69	39.79	-8.21	Peak
24.090	30.50	---	48.00	0.88	31.38	-16.62	Peak
24.267	30.30	---	48.00	0.89	31.19	-16.81	Peak
24.445	30.20	---	48.00	0.89	31.09	-16.91	Peak
26.631	30.40	---	48.00	0.87	31.27	-16.73	Peak
26.720	30.49	---	48.00	0.87	31.36	-16.64	Peak
28.493	31.90	---	48.00	0.83	32.73	-15.27	Peak
28.818	41.40	---	48.00	0.82	42.22	-5.78	Peak

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

Tested by : C.C.Wu

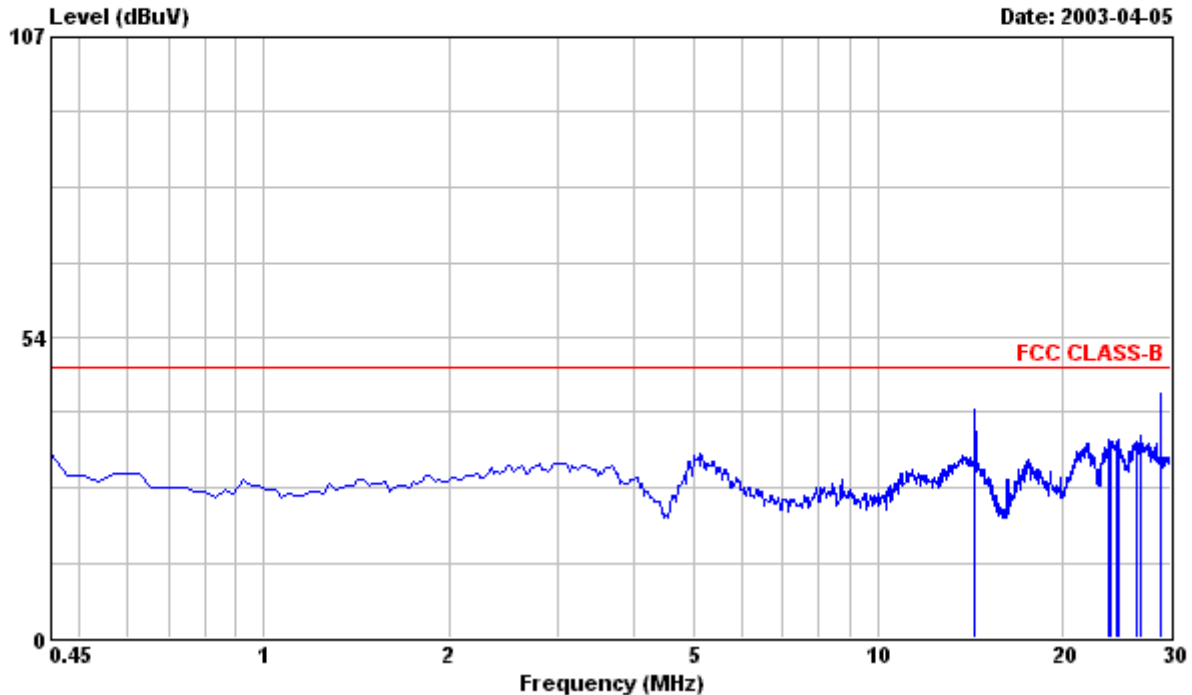


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Data#: 2

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

14.398	39.80	---	48.00	0.69	40.49	-7.51	Peak
23.854	34.40	---	48.00	0.98	35.38	-12.62	Peak
23.913	33.90	---	48.00	0.98	34.88	-13.12	Peak
24.504	34.10	---	48.00	0.99	35.09	-12.91	Peak
24.622	34.40	---	48.00	0.99	35.39	-12.61	Peak
26.395	34.10	---	48.00	0.97	35.07	-12.93	Peak
26.809	35.10	---	48.00	0.96	36.06	-11.94	Peak
28.818	42.50	---	48.00	0.92	43.42	-4.58	Peak

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

Tested by : C.C.Wu

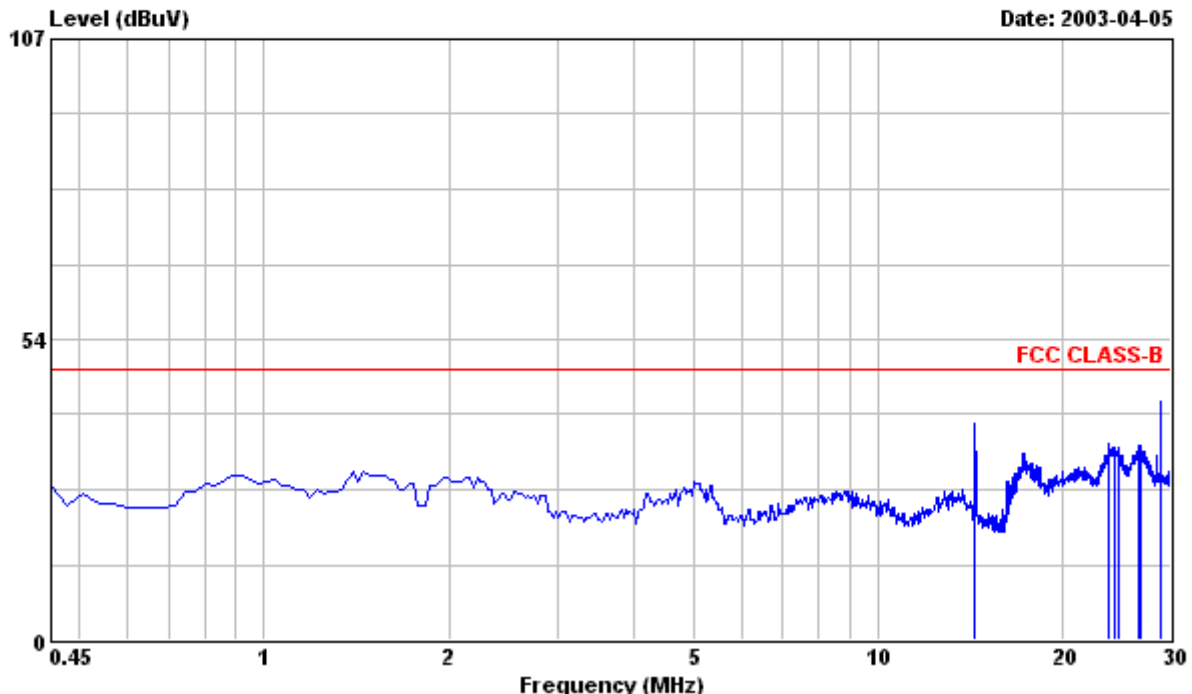


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Data#: 3

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
14.398	38.00	---	48.00	0.69	38.69	-9.31	Peak
23.795	33.90	---	48.00	0.88	34.78	-13.22	Peak
24.326	33.50	---	48.00	0.89	34.39	-13.61	Peak
24.622	33.40	---	48.00	0.89	34.29	-13.71	Peak
26.513	33.80	---	48.00	0.87	34.67	-13.33	Peak
26.750	33.60	---	48.00	0.86	34.46	-13.54	Peak
26.868	33.50	---	48.00	0.86	34.36	-13.64	Peak
28.818	41.80	---	48.00	0.82	42.62	-5.38	Peak

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

Tested by : C.C.Wu

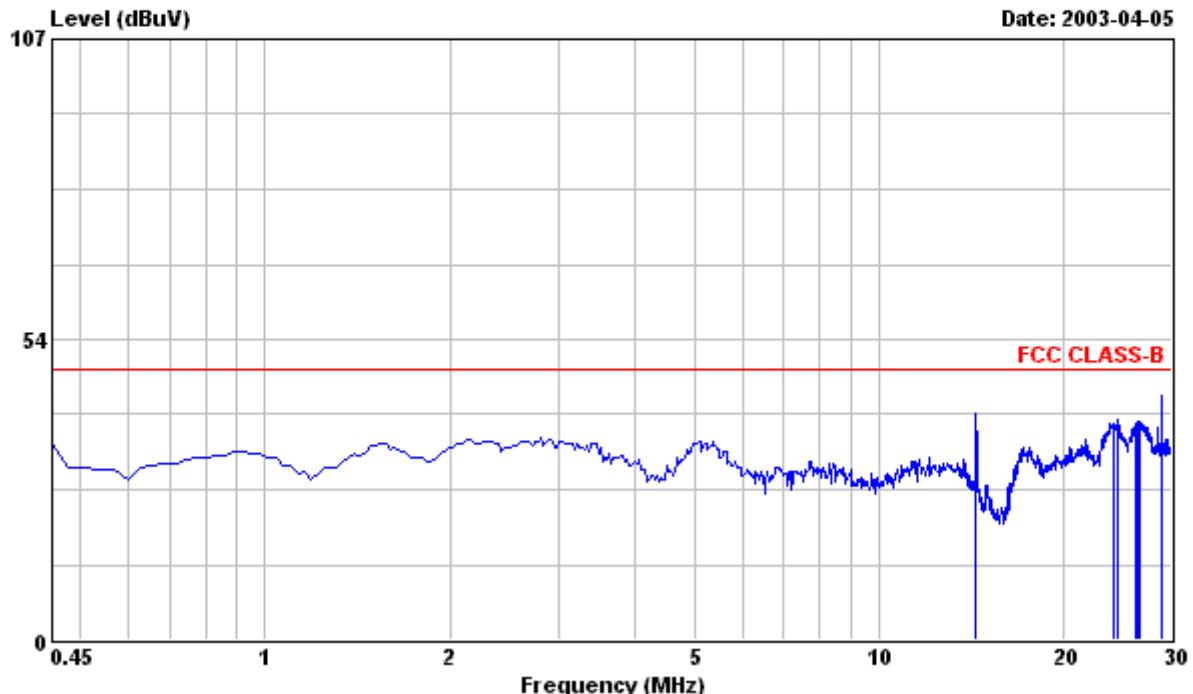


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Data#: 4

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							
14.398	39.70	---	48.00	0.69	40.39	-7.61	Peak
24.090	37.60	---	48.00	0.98	38.58	-9.42	Peak
24.445	38.30	---	48.00	0.99	39.29	-8.71	Peak
26.218	37.70	---	48.00	0.97	38.67	-9.33	Peak
26.424	37.80	---	48.00	0.97	38.77	-9.23	Peak
26.513	38.00	---	48.00	0.97	38.97	-9.03	Peak
26.690	37.79	---	48.00	0.97	38.76	-9.24	Peak
28.818	42.70	---	48.00	0.92	43.62	-4.38	Peak

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

Tested by : C.C.Wu

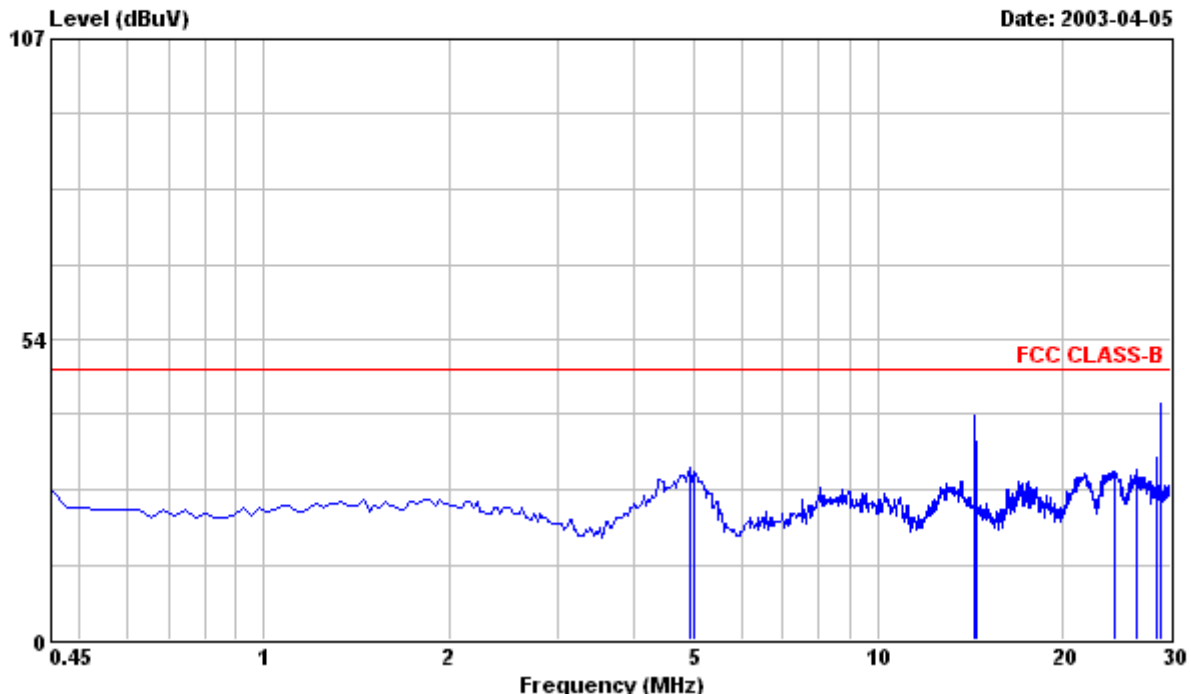


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Data#: 5

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,DVI.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
4.942	30.21	---	48.00	0.30	30.51	-17.49	Peak
5.001	29.80	---	48.00	0.30	30.10	-17.90	Peak
14.398	39.20	---	48.00	0.69	39.89	-8.11	Peak
14.457	30.20	---	48.00	0.69	30.89	-17.11	Peak
24.326	29.20	---	48.00	0.89	30.09	-17.91	Peak
26.424	29.50	---	48.00	0.87	30.37	-17.63	Peak
28.493	31.50	---	48.00	0.83	32.33	-15.67	Peak
28.818	41.30	---	48.00	0.82	42.12	-5.88	Peak

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

Tested by : C.C.Wu

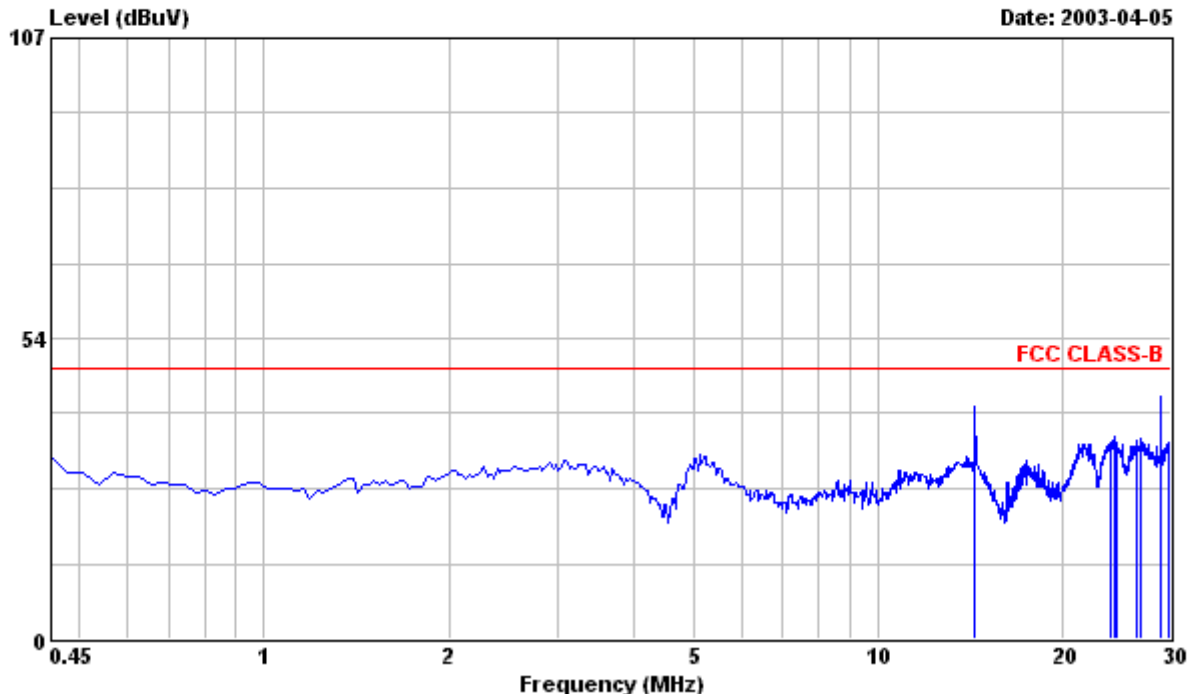


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Data#: 6

File#: C:\Program Files\es\EMIO3-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,DVI.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							
14.398	40.70	---	48.00	0.69	41.39	-6.61	Peak
23.972	34.00	---	48.00	0.98	34.98	-13.02	Peak
24.267	34.90	---	48.00	0.99	35.89	-12.11	Peak
24.445	34.00	---	48.00	0.99	34.99	-13.01	Peak
26.395	34.50	---	48.00	0.97	35.47	-12.53	Peak
26.809	34.60	---	48.00	0.96	35.56	-12.44	Peak
28.818	42.20	---	48.00	0.92	43.12	-4.88	Peak
29.852	34.10	---	48.00	0.90	35.00	-13.00	Peak

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

Tested by : C.C.Wu

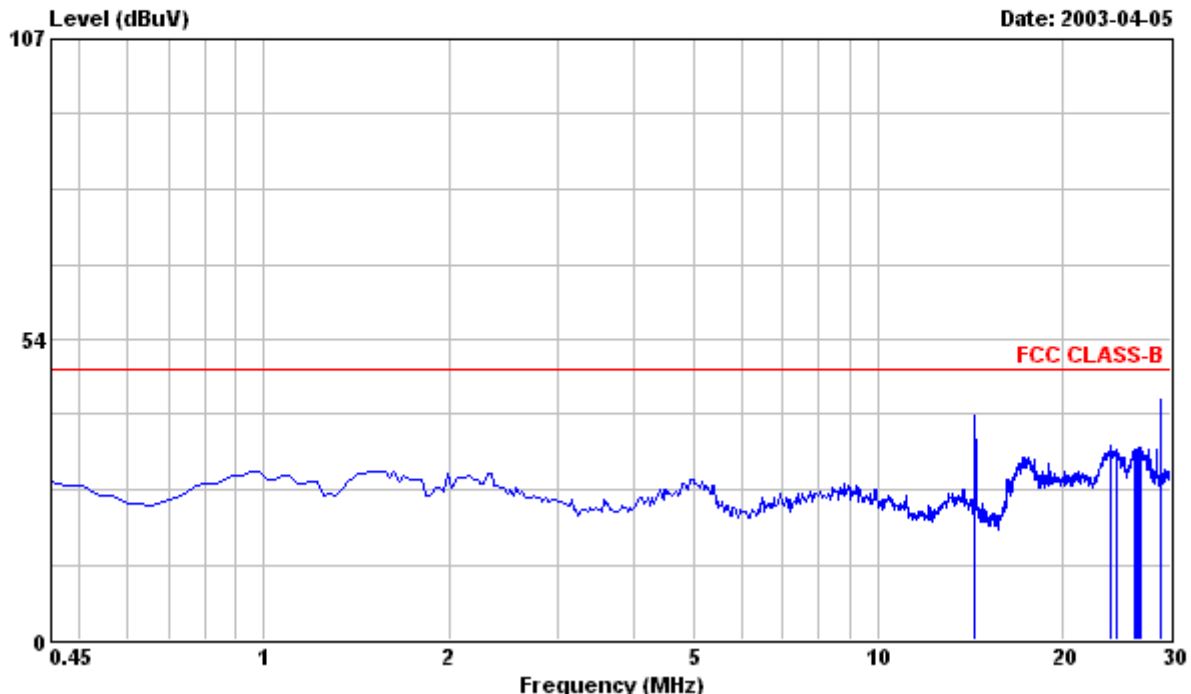


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Data#: 7

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,DVI.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
14.398	39.30	---	48.00	0.69	39.99	-8.01	Peak
23.972	33.60	---	48.00	0.88	34.48	-13.52	Peak
24.504	33.00	---	48.00	0.89	33.89	-14.11	Peak
26.247	33.10	---	48.00	0.87	33.97	-14.03	Peak
26.454	33.00	---	48.00	0.87	33.87	-14.13	Peak
26.602	33.30	---	48.00	0.87	34.17	-13.83	Peak
26.750	33.50	---	48.00	0.86	34.36	-13.64	Peak
28.818	42.00	---	48.00	0.82	42.82	-5.18	Peak

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

Tested by : C.C.Wu

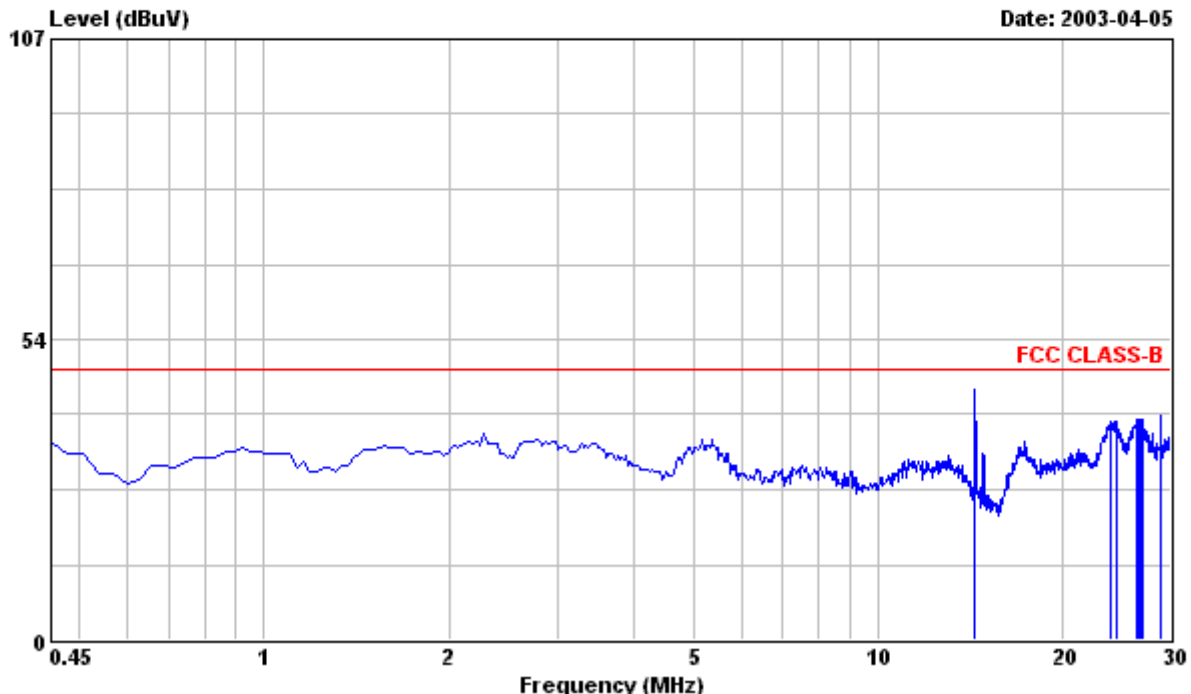


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Data#: 8

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,DVI.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

14.398	43.90	---	48.00	0.69	44.59	-3.41	Peak
24.031	37.90	---	48.00	0.98	38.88	-9.12	Peak
24.563	37.80	---	48.00	0.99	38.79	-9.21	Peak
26.395	38.20	---	48.00	0.97	39.17	-8.83	Peak
26.572	38.40	---	48.00	0.97	39.37	-8.63	Peak
26.779	38.20	---	48.00	0.96	39.16	-8.84	Peak
26.927	38.40	---	48.00	0.96	39.36	-8.64	Peak
28.818	38.90	---	48.00	0.92	39.82	-8.18	Peak

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

Tested by : C.C.Wu

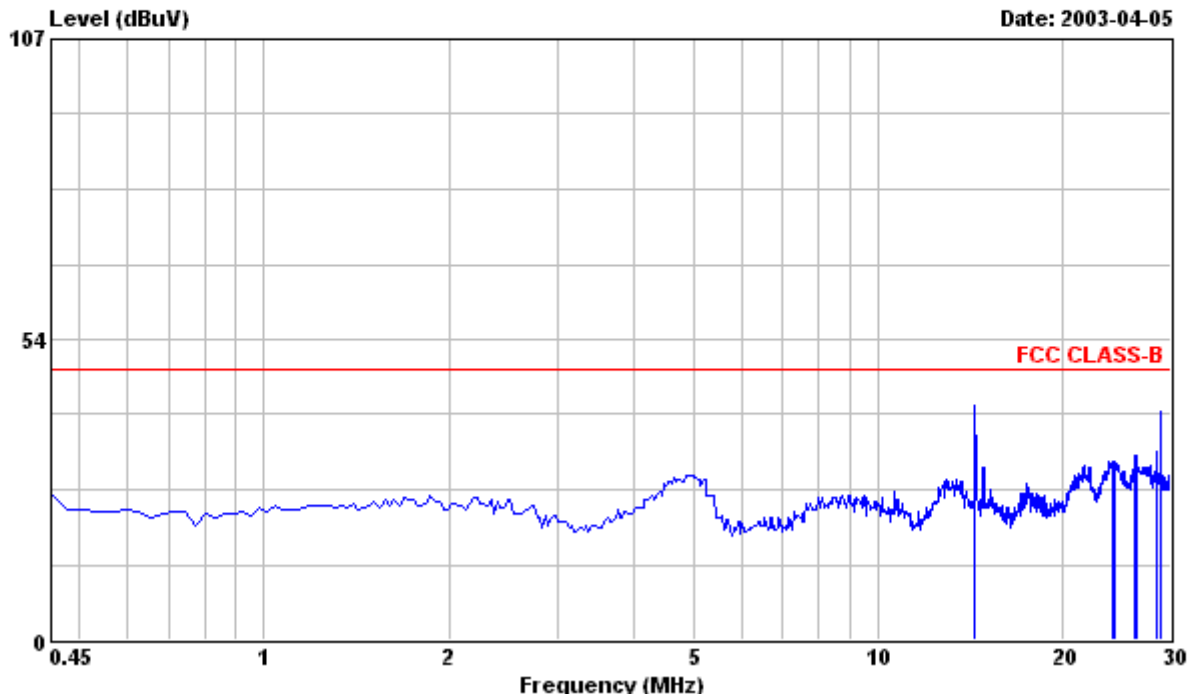


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Data#: 9

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
14.398	41.00	---	48.00	0.69	41.69	-6.31	Peak
24.149	30.90	---	48.00	0.88	31.78	-16.22	Peak
24.208	30.70	---	48.00	0.89	31.59	-16.41	Peak
24.386	30.80	---	48.00	0.89	31.69	-16.31	Peak
26.159	32.00	---	48.00	0.88	32.88	-15.12	Peak
26.395	32.00	---	48.00	0.87	32.87	-15.13	Peak
28.493	32.60	---	48.00	0.83	33.43	-14.57	Peak
28.818	40.00	---	48.00	0.82	40.82	-7.18	Peak

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

Tested by : C.C.Wu

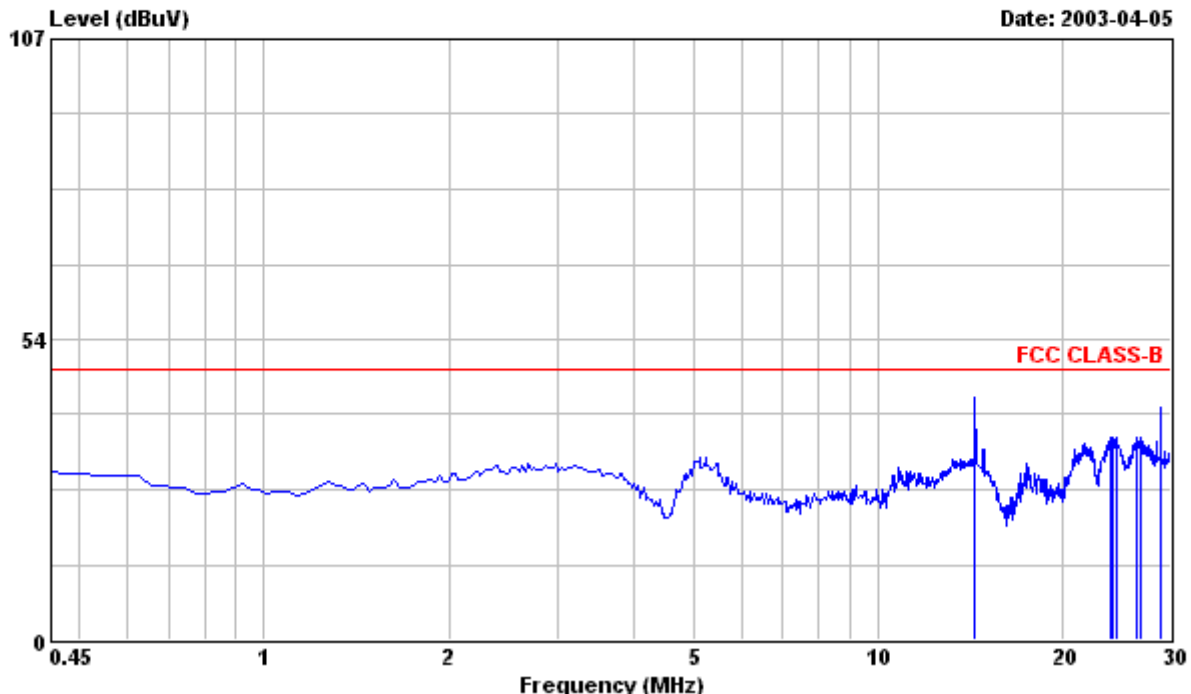


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Data#: 10

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

14.398	42.60	---	48.00	0.69	43.29	-4.71	Peak
23.972	35.00	---	48.00	0.98	35.98	-12.02	Peak
24.031	35.10	---	48.00	0.98	36.08	-11.92	Peak
24.208	35.10	---	48.00	0.99	36.09	-11.91	Peak
24.445	35.00	---	48.00	0.99	35.99	-12.01	Peak
26.336	35.20	---	48.00	0.97	36.17	-11.83	Peak
26.720	34.99	---	48.00	0.97	35.96	-12.04	Peak
28.818	40.50	---	48.00	0.92	41.42	-6.58	Peak

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

Tested by : C.C.Wu

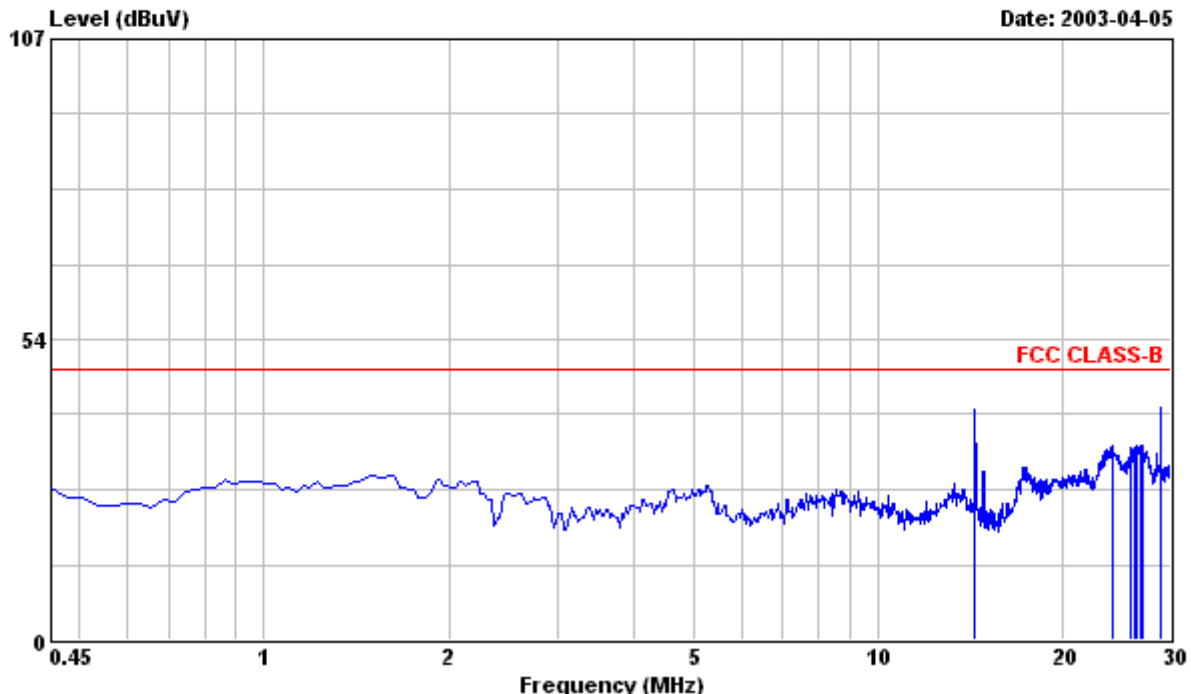


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Data#: 11

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
14.398	40.50	---	48.00	0.69	41.19	-6.81	Peak
24.149	33.70	---	48.00	0.88	34.58	-13.42	Peak
25.863	33.20	---	48.00	0.88	34.08	-13.92	Peak
26.247	33.50	---	48.00	0.87	34.37	-13.63	Peak
26.395	33.80	---	48.00	0.87	34.67	-13.33	Peak
26.897	33.90	---	48.00	0.86	34.76	-13.24	Peak
27.015	33.70	---	48.00	0.86	34.56	-13.44	Peak
28.818	40.40	---	48.00	0.82	41.22	-6.78	Peak

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

Tested by : C.C.Wu

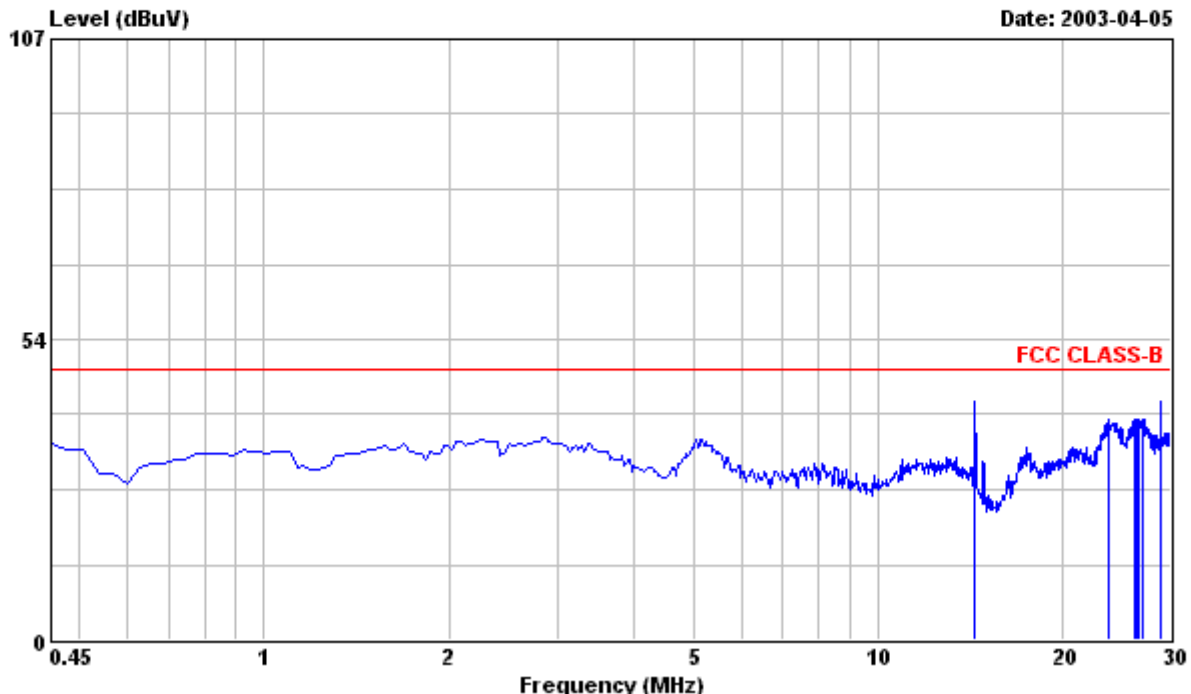


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Data#: 12

File#: C:\Program Files\em3\EMI03-015-C(PHILIPS 150P4 LG).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

14.398	41.80	---	48.00	0.69	42.49	-5.51	Peak
23.854	38.10	---	48.00	0.98	39.08	-8.92	Peak
26.247	38.20	---	48.00	0.97	39.17	-8.83	Peak
26.395	38.10	---	48.00	0.97	39.07	-8.93	Peak
26.484	38.10	---	48.00	0.97	39.07	-8.93	Peak
26.631	38.10	---	48.00	0.97	39.07	-8.93	Peak
27.104	38.20	---	48.00	0.96	39.16	-8.84	Peak
28.818	41.50	---	48.00	0.92	42.42	-5.58	Peak

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

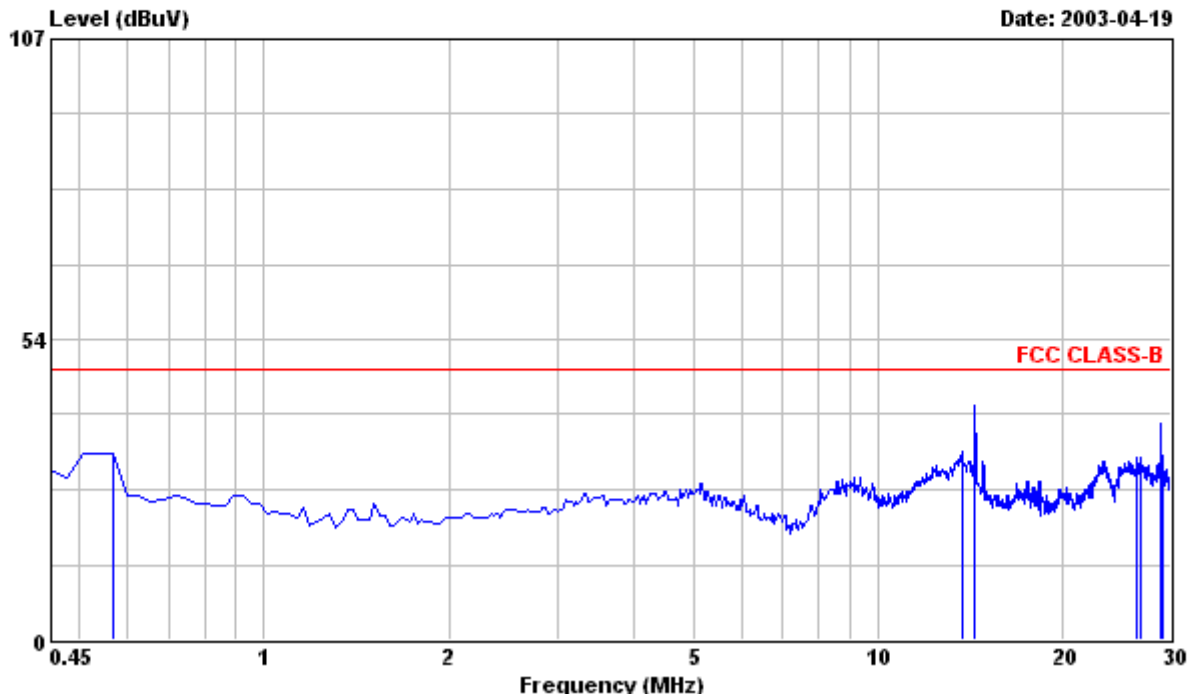
Tested by : C.C.Wu



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Data#: 1 File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
0.568	32.90	---	48.00	0.26	33.16	-14.84	Peak
13.688	32.90	---	48.00	0.68	33.58	-14.42	Peak
13.748	32.00	---	48.00	0.68	32.68	-15.32	Peak
14.398	41.20	---	48.00	0.69	41.89	-6.11	Peak
26.454	31.70	---	48.00	0.87	32.57	-15.43	Peak
26.868	31.50	---	48.00	0.86	32.36	-15.64	Peak
28.818	37.70	---	48.00	0.82	38.52	-9.48	Peak
29.025	31.90	---	48.00	0.82	32.72	-15.28	Peak

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

Tested by : C.C.Wu

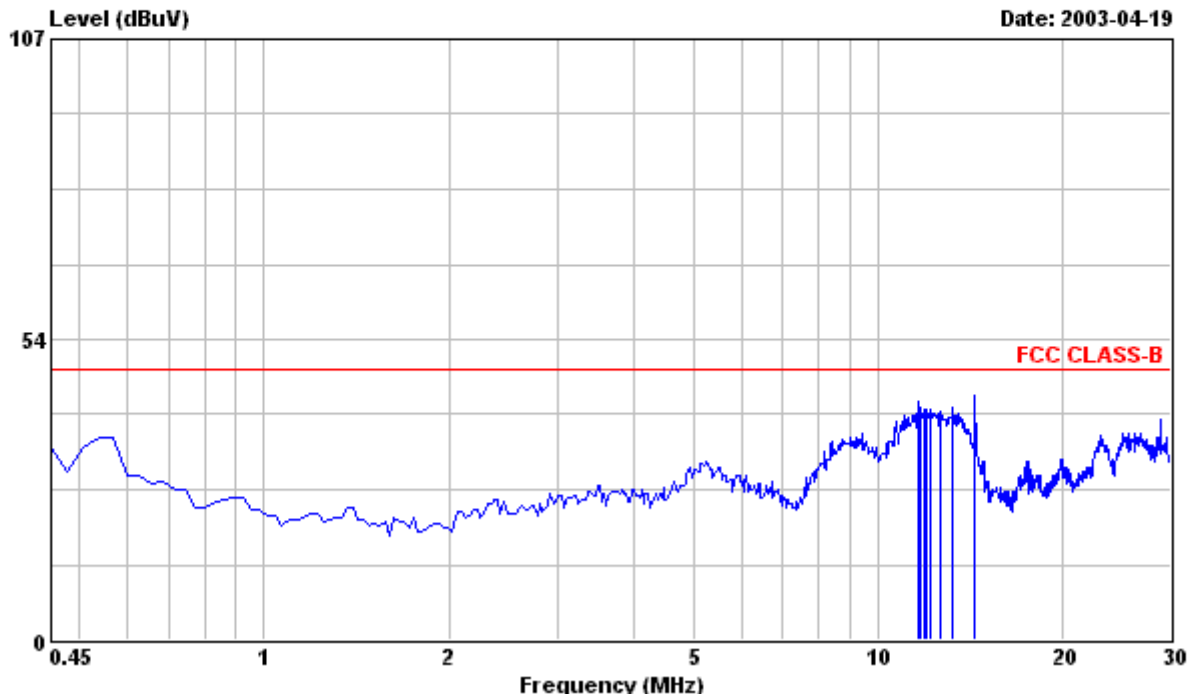


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Data#: 2

File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							
11.679	41.70	---	48.00	0.64	42.34	-5.66	Peak
11.738	40.00	---	48.00	0.64	40.64	-7.36	Peak
11.915	40.20	---	48.00	0.64	40.84	-7.16	Peak
11.975	40.40	---	48.00	0.64	41.04	-6.96	Peak
12.152	40.50	---	48.00	0.65	41.15	-6.85	Peak
12.684	40.10	---	48.00	0.66	40.76	-7.24	Peak
13.216	40.80	---	48.00	0.67	41.47	-6.53	Peak
14.398	42.90	---	48.00	0.69	43.59	-4.41	Peak

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

Tested by : C.C.Wu

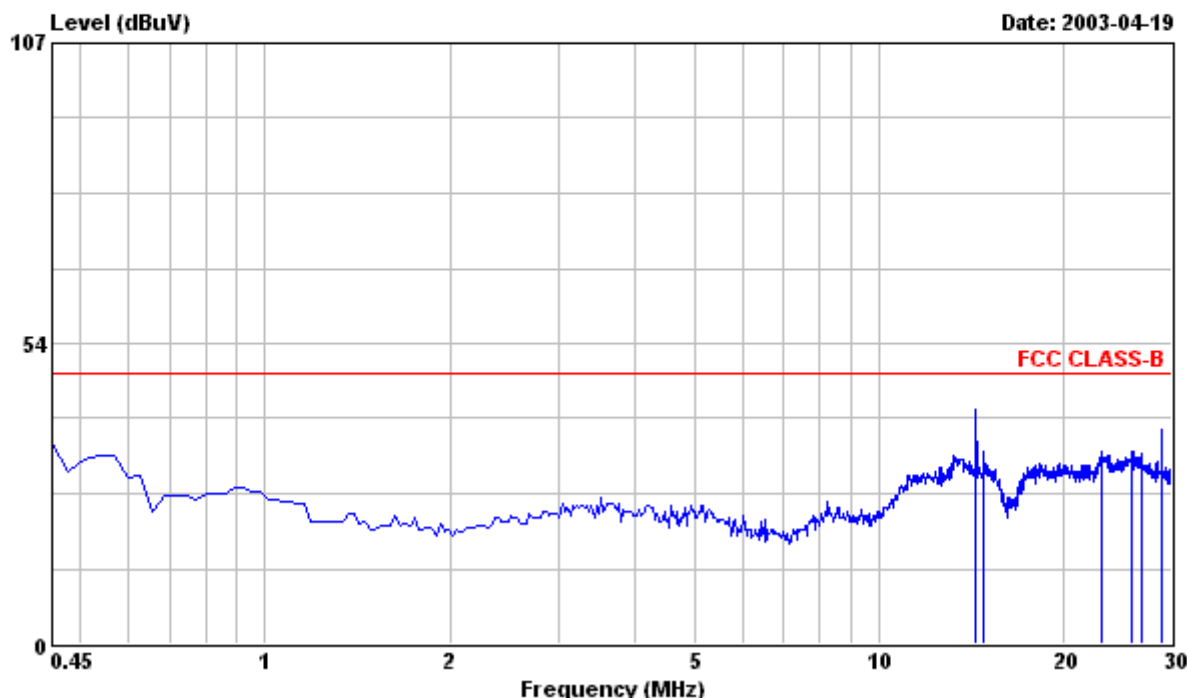


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Data#: 3

File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
0.450	35.30	---	48.00	0.20	35.50	-12.50	Peak
14.398	41.00	---	48.00	0.69	41.69	-6.31	Peak
14.811	33.70	---	48.00	0.70	34.40	-13.60	Peak
23.026	33.40	---	48.00	0.86	34.26	-13.74	Peak
23.085	32.70	---	48.00	0.86	33.56	-14.44	Peak
25.893	33.20	---	48.00	0.88	34.08	-13.92	Peak
26.838	33.10	---	48.00	0.86	33.96	-14.04	Peak
28.818	37.40	---	48.00	0.82	38.22	-9.78	Peak

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

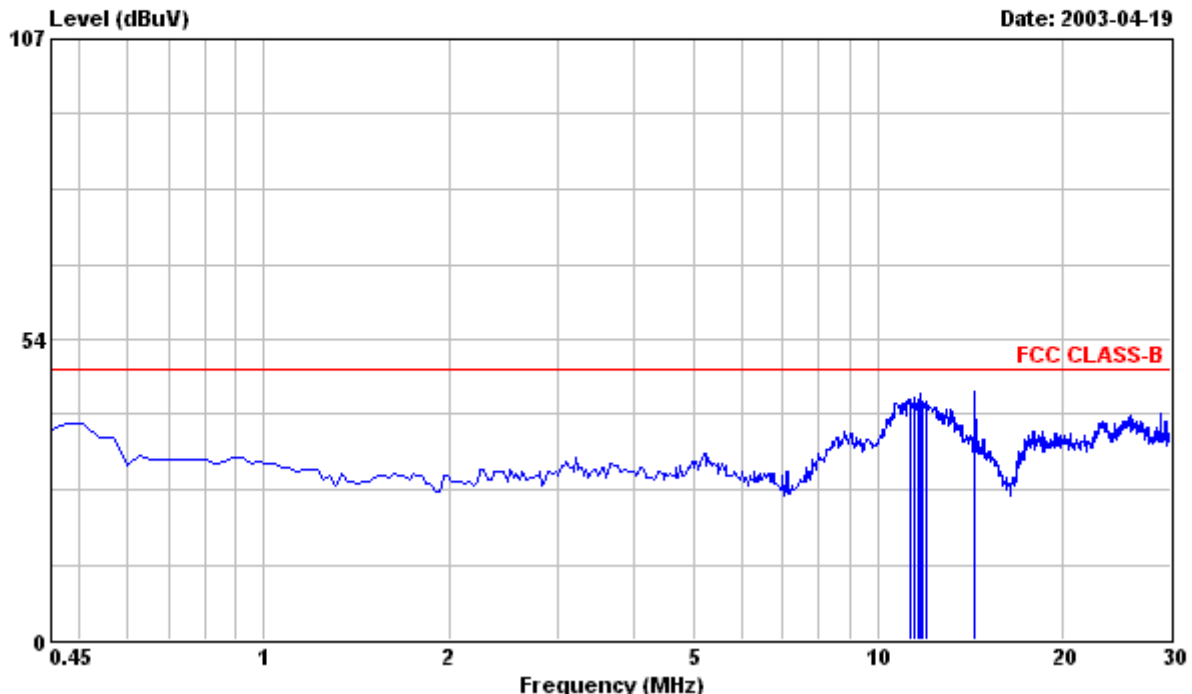
Tested by : C.C.Wu



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Data#: 4 File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

11.265	42.00	---	48.00	0.63	42.63	-5.37	Peak
11.443	42.60	---	48.00	0.63	43.23	-4.77	Peak
11.502	42.00	---	48.00	0.64	42.64	-5.36	Peak
11.620	41.70	---	48.00	0.64	42.34	-5.66	Peak
11.738	43.30	---	48.00	0.64	43.94	-4.06	Peak
11.856	41.90	---	48.00	0.64	42.54	-5.46	Peak
12.034	41.70	---	48.00	0.65	42.35	-5.65	Peak
14.398	43.40	---	48.00	0.69	44.09	-3.91	Peak

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

Tested by : C.C.Wu

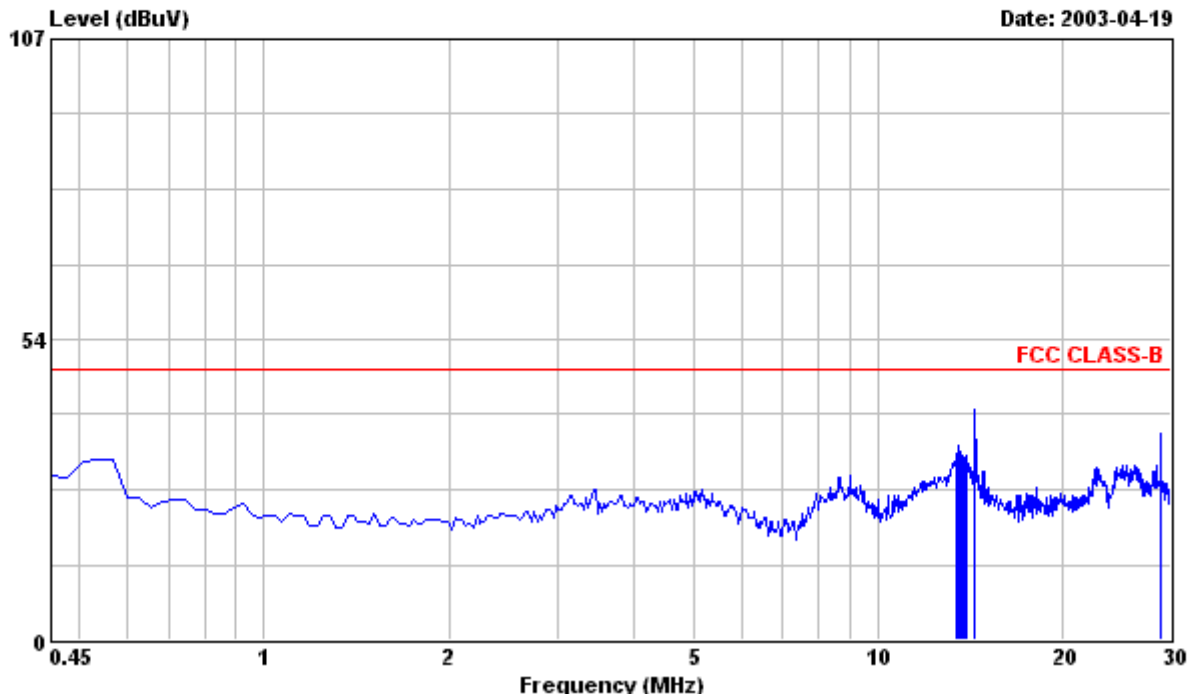


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Data#: 5

File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

13.452	32.50	---	48.00	0.67	33.17	-14.83	Peak
13.570	33.80	---	48.00	0.68	34.48	-13.52	Peak
13.629	32.70	---	48.00	0.68	33.38	-14.62	Peak
13.688	32.20	---	48.00	0.68	32.88	-15.12	Peak
13.866	31.90	---	48.00	0.68	32.58	-15.42	Peak
13.984	32.10	---	48.00	0.68	32.78	-15.22	Peak
14.398	40.40	---	48.00	0.69	41.09	-6.91	Peak
28.818	35.90	---	48.00	0.82	36.72	-11.28	Peak

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

Tested by : C.C.Wu

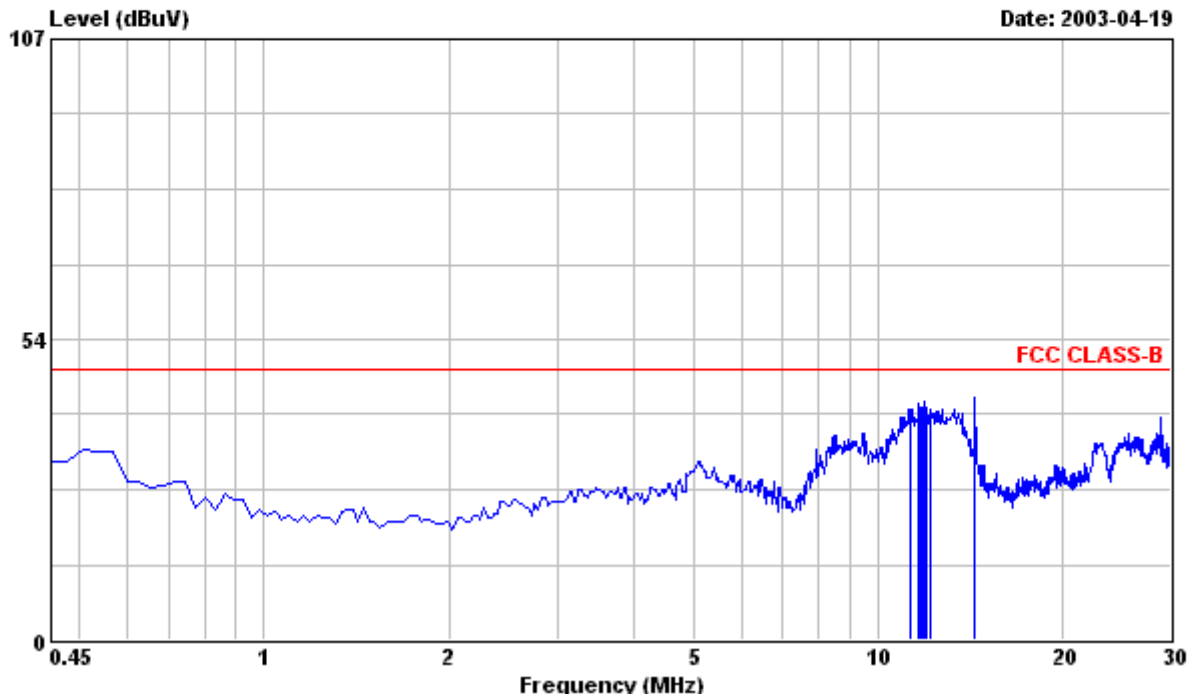


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Data#: 6

File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

11.265	40.50	---	48.00	0.63	41.13	-6.87	Peak
11.679	41.60	---	48.00	0.64	42.24	-5.76	Peak
11.738	40.40	---	48.00	0.64	41.04	-6.96	Peak
11.856	40.60	---	48.00	0.64	41.24	-6.76	Peak
11.915	41.70	---	48.00	0.64	42.34	-5.66	Peak
12.034	40.60	---	48.00	0.65	41.25	-6.75	Peak
12.211	40.50	---	48.00	0.65	41.15	-6.85	Peak
14.398	42.40	---	48.00	0.69	43.09	-4.91	Peak

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

Tested by : C.C.Wu

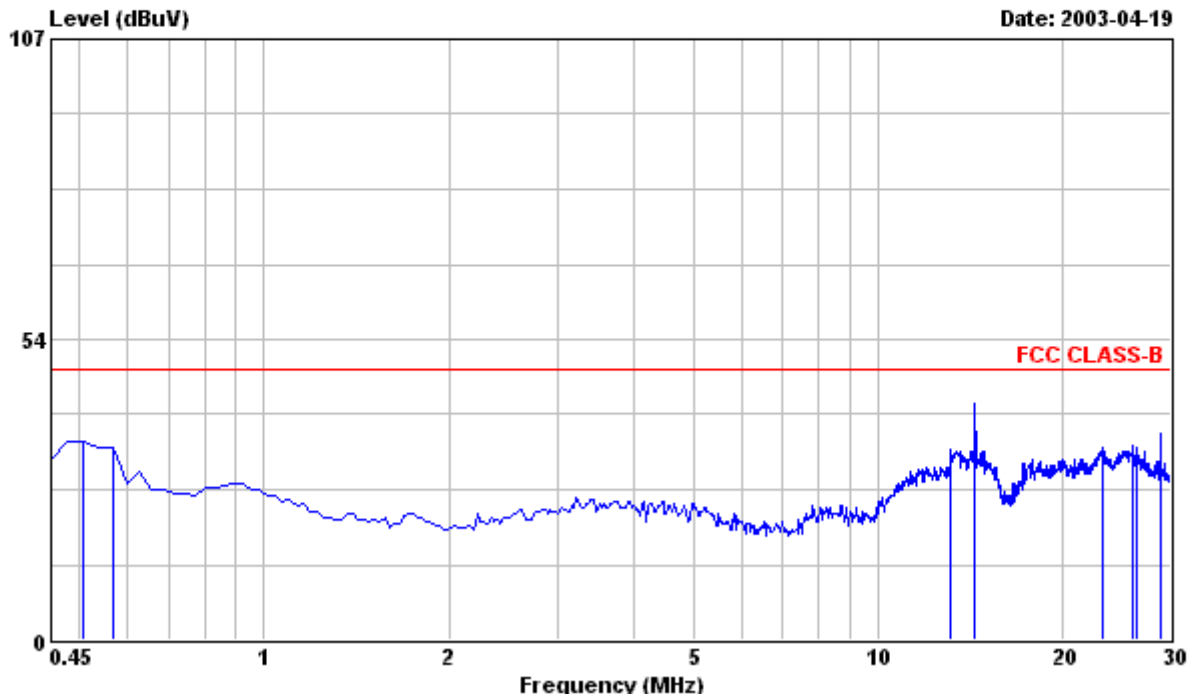


PHILIPS

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Data#: 7

File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
0.509	35.20	---	48.00	0.23	35.43	-12.57	Peak
0.568	34.00	---	48.00	0.26	34.26	-13.74	Peak
13.157	33.20	---	48.00	0.67	33.87	-14.13	Peak
14.398	41.30	---	48.00	0.69	41.99	-6.01	Peak
23.322	33.40	---	48.00	0.87	34.27	-13.73	Peak
26.011	33.80	---	48.00	0.88	34.68	-13.32	Peak
26.454	33.40	---	48.00	0.87	34.27	-13.73	Peak
28.818	35.80	---	48.00	0.82	36.62	-11.38	Peak

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

Tested by : C.C.Wu

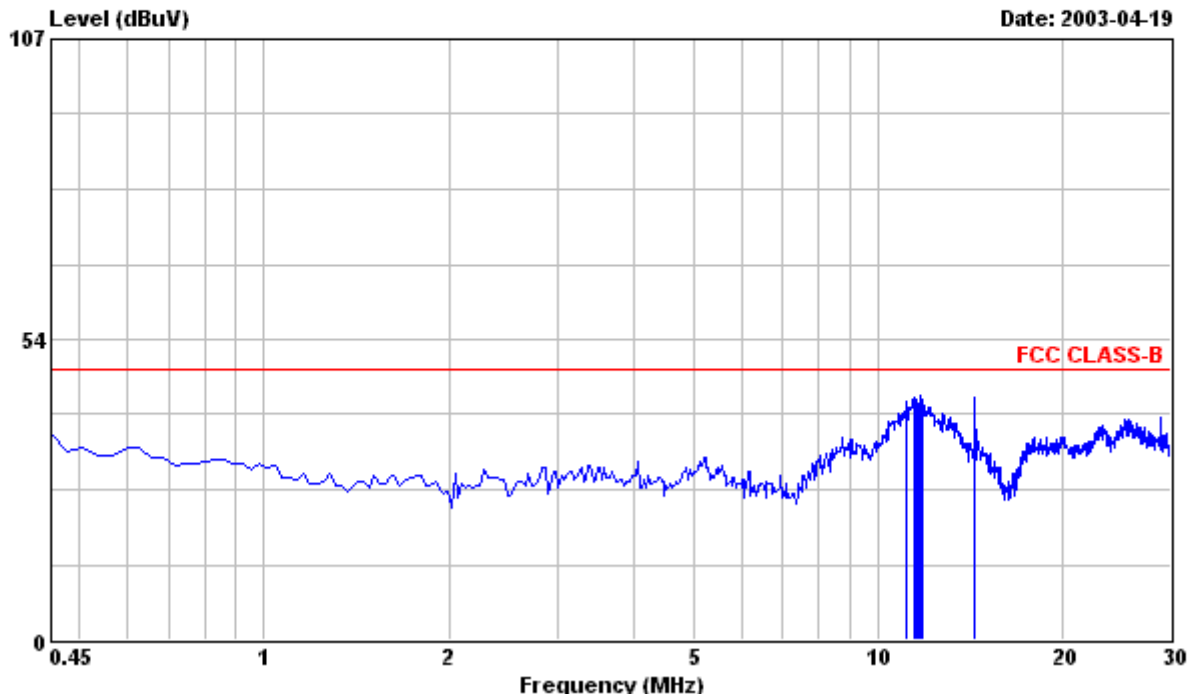


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Data#: 8

File#: C:\Program Files\em3\EMI03-016-C(Philips 150B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

11.088	41.70	---	48.00	0.63	42.33	-5.67	Peak
11.502	42.40	---	48.00	0.64	43.04	-4.96	Peak
11.561	42.00	---	48.00	0.64	42.64	-5.36	Peak
11.620	41.60	---	48.00	0.64	42.24	-5.76	Peak
11.738	42.80	---	48.00	0.64	43.44	-4.56	Peak
11.797	42.10	---	48.00	0.64	42.74	-5.26	Peak
11.856	41.70	---	48.00	0.64	42.34	-5.66	Peak
14.398	42.50	---	48.00	0.69	43.19	-4.81	Peak

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

Tested by : C.C.Wu

Radiated Emissions FCC Part 15																				
Operating conditions EUT: EUT powered on with scrolling “H” pattern.																				
Limits: <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																		
Test Result : Passed FCC Class B Limits Remark:																				
Date of Test Test Engineer	: 05 Apr., 2003 to 21 Apr., 2003 : C.C.Wu																			
For detail measurement results see next pages.																				

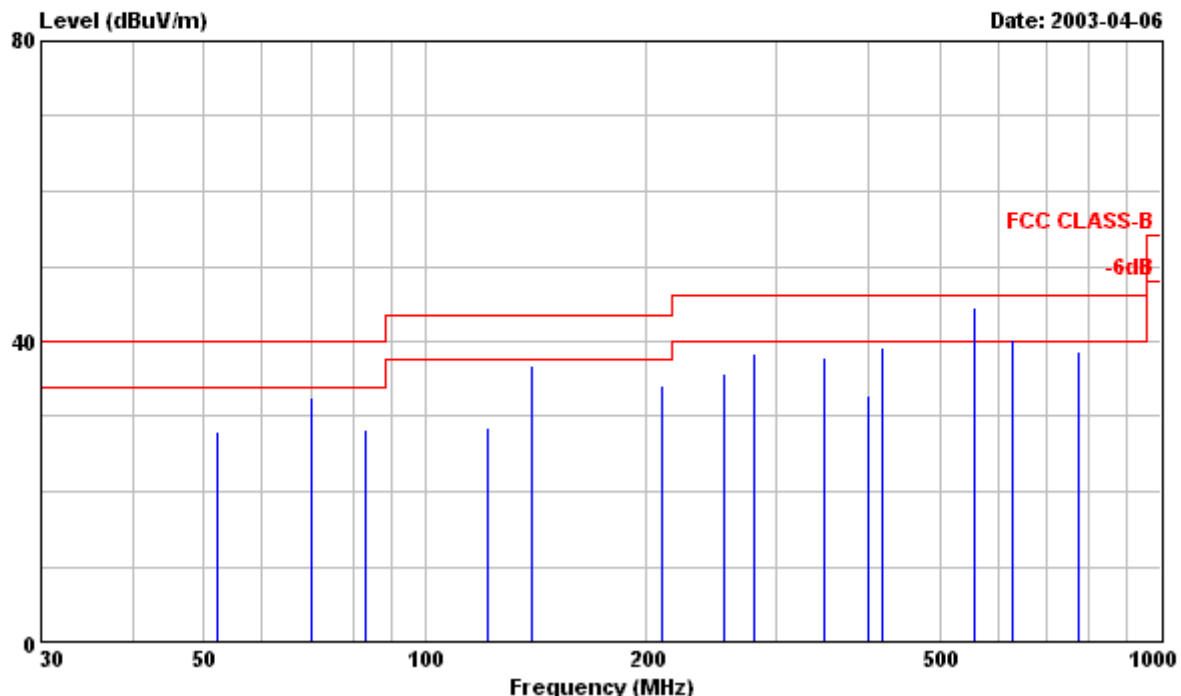


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Data#: 1

File#: C:\Program Files\em3\EMI03-015-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
52.050	17.30	---	40.00	10.61	27.91	-12.09	Peak
69.890	22.50	---	40.00	10.00	32.50	-7.50	Peak
82.800	17.70	---	40.00	10.55	28.25	-11.75	Peak
121.850	16.20	---	43.50	12.43	28.63	-14.87	Peak
139.750	23.80	---	43.50	13.06	36.86	-6.64	Peak
209.580	16.90	---	43.50	17.15	34.05	-9.45	Peak
254.800	15.10	---	46.00	20.76	35.86	-10.14	Peak
279.430	16.30	---	46.00	22.11	38.41	-7.59	Peak
349.260	20.40	---	46.00	17.49	37.89	-8.11	Peak
401.000	14.30	---	46.00	18.40	32.70	-13.30	Peak
419.080	20.60	---	46.00	18.67	39.27	-6.73	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	
! 558.720	23.80	---	46.00	20.62	44.42	-1.58	Peak
! 558.720	---	21.46	46.00	20.62	42.08	-3.92	QP
! 628.560	18.40	---	46.00	21.93	40.33	-5.67	Peak
628.560	---	15.15	46.00	21.93	37.08	-8.92	QP
773.780	14.10	---	46.00	24.49	38.59	-7.41	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

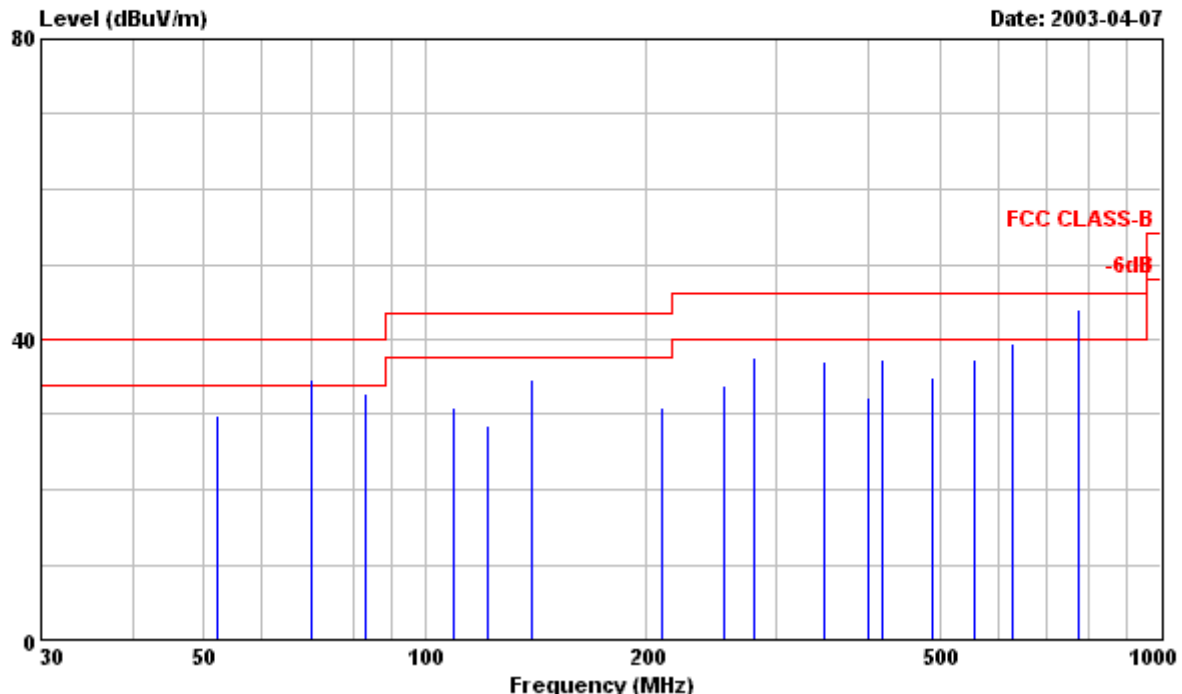


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Data#: 2

File#: C:\Program Files\em3\EMI03-015-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
52.050	19.20	---	40.00	10.61	29.81	-10.19	Peak
! 69.890	24.80	---	40.00	10.00	34.80	-5.20	Peak
69.890	---	23.36	40.00	10.00	33.36	-6.64	QP
82.800	22.30	---	40.00	10.55	32.85	-7.15	Peak
109.410	19.00	---	43.50	11.89	30.89	-12.61	Peak
121.850	16.10	---	43.50	12.43	28.53	-14.97	Peak
139.750	21.50	---	43.50	13.06	34.56	-8.94	Peak
209.580	13.90	---	43.50	17.15	31.05	-12.45	Peak
254.800	13.20	---	46.00	20.76	33.96	-12.04	Peak
279.430	15.40	---	46.00	22.11	37.51	-8.49	Peak
349.260	19.50	---	46.00	17.49	36.99	-9.01	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	
401.000	14.00	---	46.00	18.40	32.40	-13.60	Peak
419.080	18.60	---	46.00	18.67	37.27	-8.73	Peak
488.900	15.30	---	46.00	19.58	34.88	-11.12	Peak
558.720	16.80	---	46.00	20.62	37.42	-8.58	Peak
628.560	17.50	---	46.00	21.93	39.43	-6.57	Peak
! 773.780	19.60	---	46.00	24.49	44.09	-1.91	Peak
! 773.780	---	16.29	46.00	24.49	40.78	-5.22	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

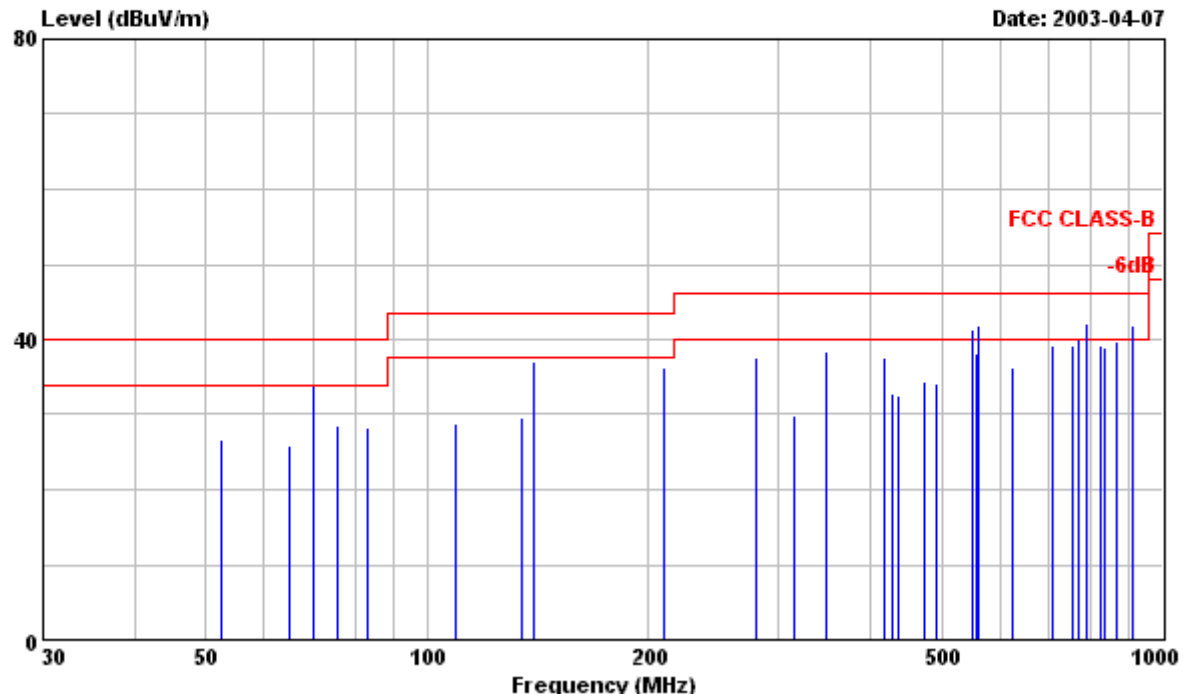


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Data#: 3

File#: C:\Program Files\em3\EMI03-015-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,DVI.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
52.560	16.10	---	40.00	10.56	26.66	-13.34	Peak
64.780	15.90	---	40.00	9.95	25.85	-14.15	Peak
69.900	23.80	---	40.00	10.00	33.80	-6.20	Peak
75.570	18.20	---	40.00	10.22	28.42	-11.58	Peak
83.000	17.80	---	40.00	10.55	28.35	-11.65	Peak
109.390	16.90	---	43.50	11.89	28.79	-14.71	Peak
134.370	16.70	---	43.50	12.87	29.57	-13.93	Peak
139.730	24.10	---	43.50	13.06	37.16	-6.34	Peak
209.580	19.20	---	43.50	17.15	36.35	-7.15	Peak
279.430	15.50	---	46.00	22.11	37.61	-8.39	Peak
315.470	13.00	---	46.00	16.80	29.80	-16.20	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	
349.240	20.90	---	46.00	17.49	38.39	-7.61	Peak
419.090	18.90	---	46.00	18.67	37.57	-8.43	Peak
429.380	13.90	---	46.00	18.81	32.71	-13.29	Peak
436.790	13.70	---	46.00	18.92	32.62	-13.38	Peak
473.200	15.10	---	46.00	19.39	34.49	-11.51	Peak
492.370	14.60	---	46.00	19.62	34.22	-11.78	Peak
552.050	---	18.52	46.00	20.54	39.06	-6.94	QP
! 552.050	20.80	---	46.00	20.54	41.34	-4.66	Peak
556.450	17.60	---	46.00	20.59	38.19	-7.81	Peak
562.720	---	19.12	46.00	20.68	39.80	-6.20	QP
! 562.720	21.30	---	46.00	20.68	41.98	-4.02	Peak
626.540	14.30	---	46.00	21.88	36.18	-9.82	Peak
709.790	15.50	---	46.00	23.64	39.14	-6.86	Peak
752.260	15.10	---	46.00	24.22	39.32	-6.68	Peak
! 768.190	15.60	---	46.00	24.42	40.02	-5.98	Peak
768.190	---	11.97	46.00	24.42	36.39	-9.61	QP
! 788.660	17.40	---	46.00	24.66	42.06	-3.94	Peak
788.660	---	14.52	46.00	24.66	39.18	-6.82	QP
825.050	14.10	---	46.00	25.20	39.30	-6.70	Peak
832.460	13.50	---	46.00	25.33	38.83	-7.17	Peak
867.510	13.80	---	46.00	25.81	39.61	-6.39	Peak
! 907.820	15.50	---	46.00	26.39	41.89	-4.11	Peak
907.820	---	12.20	46.00	26.39	38.59	-7.41	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

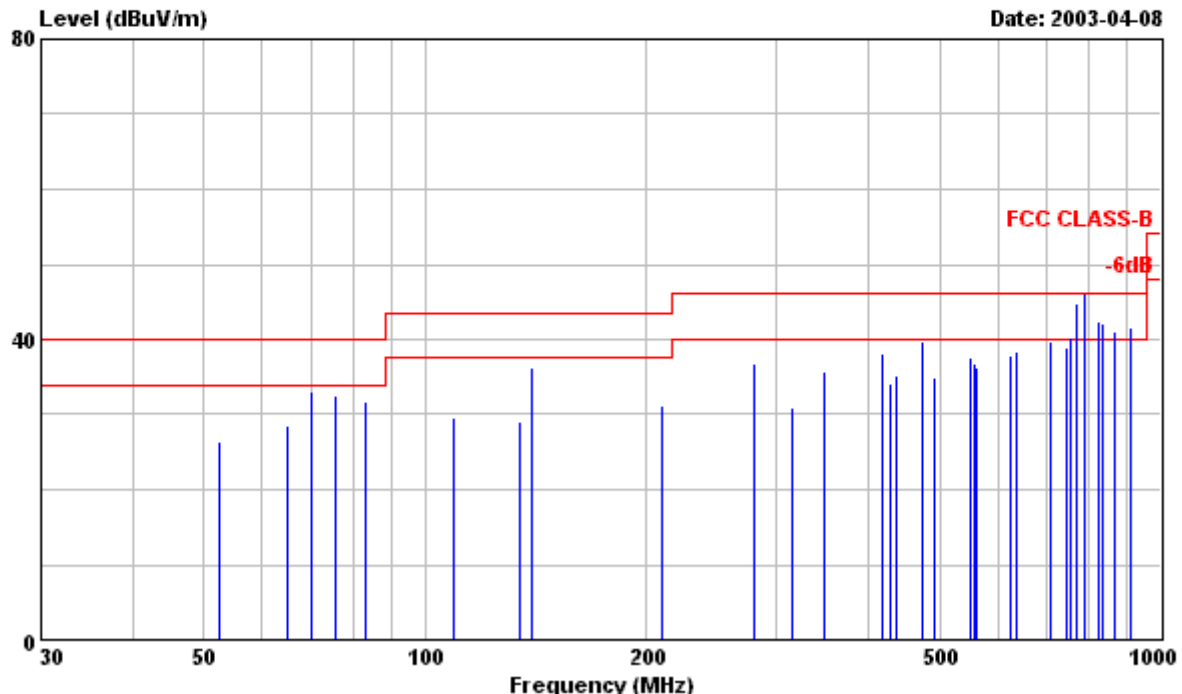


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Data#: 4

File#: C:\Program Files\em3\EMI03-015-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN,DVI.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
52.560	15.80	---	40.00	10.56	26.36	-13.64	Peak
64.780	18.70	---	40.00	9.95	28.65	-11.35	Peak
69.900	23.00	---	40.00	10.00	33.00	-7.00	Peak
75.570	22.30	---	40.00	10.22	32.52	-7.48	Peak
83.000	21.20	---	40.00	10.55	31.75	-8.25	Peak
109.390	17.70	---	43.50	11.89	29.59	-13.91	Peak
134.370	16.30	---	43.50	12.87	29.17	-14.33	Peak
139.730	23.10	---	43.50	13.06	36.16	-7.34	Peak
209.580	14.10	---	43.50	17.15	31.25	-12.25	Peak
279.430	14.80	---	46.00	22.11	36.91	-9.09	Peak
315.470	14.10	---	46.00	16.80	30.90	-15.10	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	
349.240	18.30	---	46.00	17.49	35.79	-10.21	Peak
419.090	19.50	---	46.00	18.67	38.17	-7.83	Peak
429.380	15.20	---	46.00	18.81	34.01	-11.99	Peak
436.790	16.40	---	46.00	18.92	35.32	-10.68	Peak
473.200	20.30	---	46.00	19.39	39.69	-6.31	Peak
492.370	15.40	---	46.00	19.62	35.02	-10.98	Peak
552.050	17.00	---	46.00	20.54	37.54	-8.46	Peak
556.450	16.10	---	46.00	20.59	36.69	-9.31	Peak
562.720	15.70	---	46.00	20.68	36.38	-9.62	Peak
626.540	16.10	---	46.00	21.88	37.98	-8.02	Peak
635.310	16.40	---	46.00	22.09	38.49	-7.51	Peak
709.790	16.20	---	46.00	23.64	39.84	-6.16	Peak
744.830	14.80	---	46.00	24.12	38.92	-7.08	Peak
! 752.260	16.00	---	46.00	24.22	40.22	-5.78	Peak
752.260	---	12.51	46.00	24.22	36.73	-9.27	QP
! 768.190	20.30	---	46.00	24.42	44.72	-1.28	Peak
! 768.190	---	16.72	46.00	24.42	41.14	-4.86	QP
X 788.660	21.40	---	46.00	24.66	46.06	0.06	Peak
! 788.660	---	19.04	46.00	24.66	43.70	-2.30	QP
! 825.050	17.20	---	46.00	25.20	42.40	-3.60	Peak
825.050	---	12.51	46.00	25.20	37.71	-8.29	QP
! 832.460	16.80	---	46.00	25.33	42.13	-3.87	Peak
832.460	---	12.36	46.00	25.33	37.69	-8.31	QP
! 867.510	15.30	---	46.00	25.81	41.11	-4.89	Peak
867.510	---	10.95	46.00	25.81	36.76	-9.24	QP
! 907.820	15.10	---	46.00	26.39	41.49	-4.51	Peak
907.820	---	11.80	46.00	26.39	38.19	-7.81	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

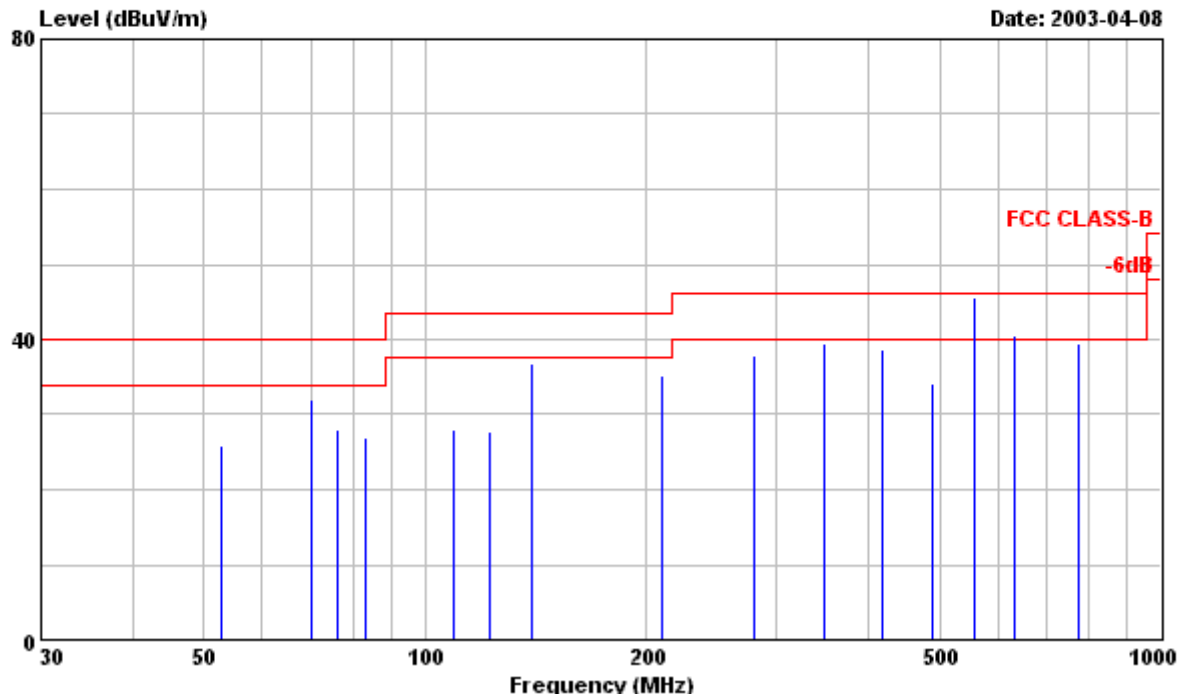


PHILIPS

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Data#: 5

File#: C:\Program Files\em3\EMI03-015-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
52.750	15.34	---	40.00	10.54	25.88	-14.12	Peak
69.870	22.00	---	40.00	10.00	32.00	-8.00	Peak
75.950	17.80	---	40.00	10.24	28.04	-11.96	Peak
82.920	16.40	---	40.00	10.55	26.95	-13.05	Peak
109.270	16.10	---	43.50	11.89	27.99	-15.51	Peak
122.490	15.30	---	43.50	12.44	27.74	-15.76	Peak
139.690	23.70	---	43.50	13.06	36.76	-6.74	Peak
209.540	18.10	---	43.50	17.15	35.25	-8.25	Peak
279.350	15.80	---	46.00	22.11	37.91	-8.09	Peak
349.140	21.90	---	46.00	17.49	39.39	-6.61	Peak
418.960	20.10	---	46.00	18.67	38.77	-7.23	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	
488.760	14.60	---	46.00	19.58	34.18	-11.82	Peak
! 558.550	---	22.73	46.00	20.62	43.35	-2.65	QP
! 558.550	25.00	---	46.00	20.62	45.62	-0.38	Peak
! 632.870	18.60	---	46.00	22.04	40.64	-5.36	Peak
632.870	---	15.36	46.00	22.04	37.40	-8.60	QP
773.560	15.00	---	46.00	24.49	39.49	-6.51	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

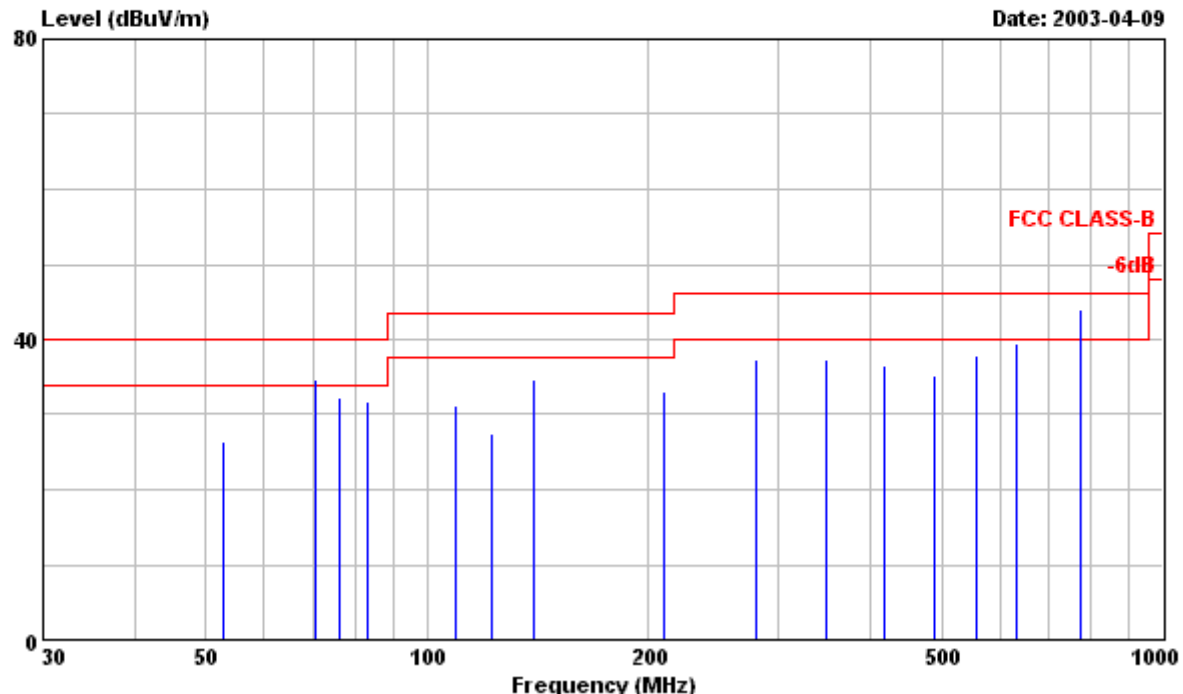


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Data#: 6

File#: C:\Program Files\em3\EMI03-015-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150P4 Serial No:TY0302084
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL LPL PANEL,RUN IBM V1.8
: FONT 12 ARIAL "H" PATTERN,D-SUB.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
52.750	15.80	---	40.00	10.54	26.34	-13.66	Peak
! 70.270	24.60	---	40.00	10.01	34.61	-5.39	Peak
70.270	---	22.74	40.00	10.01	32.75	-7.25	QP
75.950	21.90	---	40.00	10.24	32.14	-7.86	Peak
82.920	21.30	---	40.00	10.55	31.85	-8.15	Peak
109.270	19.20	---	43.50	11.89	31.09	-12.41	Peak
122.490	14.90	---	43.50	12.44	27.34	-16.16	Peak
139.690	21.50	---	43.50	13.06	34.56	-8.94	Peak
209.540	15.90	---	43.50	17.15	33.05	-10.45	Peak
279.350	15.30	---	46.00	22.11	37.41	-8.59	Peak
349.140	19.90	---	46.00	17.49	37.39	-8.61	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	
418.960	17.90	---	46.00	18.67	36.57	-9.43	Peak
488.760	15.60	---	46.00	19.58	35.18	-10.82	Peak
558.550	17.20	---	46.00	20.62	37.82	-8.18	Peak
632.870	17.40	---	46.00	22.04	39.44	-6.56	Peak
! 773.560	19.40	---	46.00	24.49	43.89	-2.11	Peak
! 773.560	---	16.23	46.00	24.49	40.72	-5.28	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

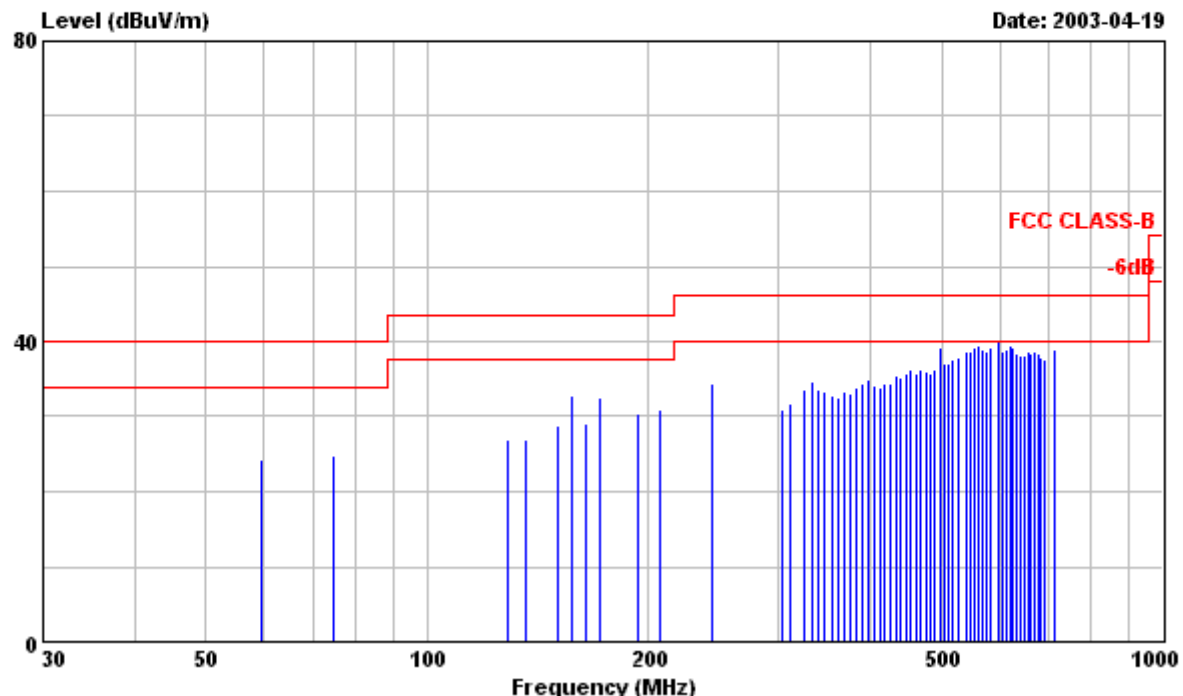


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Data#: 1

File#: C:\Program Files\em3\EMI03-016-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
59.270	14.20	---	40.00	9.97	24.17	-15.83	Peak
74.560	14.70	---	40.00	10.19	24.89	-15.11	Peak
128.920	14.30	---	43.50	12.66	26.96	-16.54	Peak
136.060	14.00	---	43.50	12.92	26.92	-16.58	Peak
150.390	15.40	---	43.50	13.43	28.83	-14.67	Peak
157.550	19.10	---	43.50	13.63	32.73	-10.77	Peak
164.710	15.10	---	43.50	13.83	28.93	-14.57	Peak
171.870	18.60	---	43.50	14.02	32.62	-10.88	Peak
193.340	14.70	---	43.50	15.67	30.37	-13.13	Peak
207.670	13.80	---	43.50	17.02	30.82	-12.68	Peak
243.470	14.40	---	46.00	19.98	34.38	-11.62	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	
304.340	14.40	---	46.00	16.57	30.97	-15.03	Peak
311.500	15.10	---	46.00	16.71	31.81	-14.19	Peak
325.830	16.70	---	46.00	17.02	33.72	-12.28	Peak
333.070	17.40	---	46.00	17.16	34.56	-11.44	Peak
340.150	16.30	---	46.00	17.30	33.60	-12.40	Peak
347.320	15.90	---	46.00	17.44	33.34	-12.66	Peak
354.480	15.30	---	46.00	17.58	32.88	-13.12	Peak
361.650	14.70	---	46.00	17.72	32.42	-13.58	Peak
368.800	15.50	---	46.00	17.86	33.36	-12.64	Peak
375.970	15.20	---	46.00	17.98	33.18	-12.82	Peak
383.120	15.90	---	46.00	18.10	34.00	-12.00	Peak
390.280	16.10	---	46.00	18.24	34.34	-11.66	Peak
397.440	16.70	---	46.00	18.35	35.05	-10.95	Peak
404.600	15.80	---	46.00	18.46	34.26	-11.74	Peak
411.760	15.20	---	46.00	18.57	33.77	-12.23	Peak
418.920	15.60	---	46.00	18.67	34.27	-11.73	Peak
426.080	15.70	---	46.00	18.77	34.47	-11.53	Peak
433.240	16.70	---	46.00	18.85	35.55	-10.45	Peak
440.400	16.30	---	46.00	18.96	35.26	-10.74	Peak
447.570	16.80	---	46.00	19.06	35.86	-10.14	Peak
454.730	17.00	---	46.00	19.14	36.14	-9.86	Peak
461.880	16.40	---	46.00	19.25	35.65	-10.35	Peak
469.050	16.90	---	46.00	19.33	36.23	-9.77	Peak
476.210	16.60	---	46.00	19.41	36.01	-9.99	Peak
483.370	16.10	---	46.00	19.51	35.61	-10.39	Peak
490.530	16.70	---	46.00	19.60	36.30	-9.70	Peak
497.690	19.60	---	46.00	19.68	39.28	-6.72	Peak
504.850	17.20	---	46.00	19.79	36.99	-9.01	Peak
512.010	17.10	---	46.00	19.90	37.00	-9.00	Peak
519.170	17.50	---	46.00	20.02	37.52	-8.48	Peak
526.340	17.70	---	46.00	20.13	37.83	-8.17	Peak
540.660	18.40	---	46.00	20.36	38.76	-7.24	Peak
547.820	18.10	---	46.00	20.45	38.55	-7.45	Peak
554.980	18.60	---	46.00	20.57	39.17	-6.83	Peak
562.140	18.70	---	46.00	20.68	39.38	-6.62	Peak
569.300	18.10	---	46.00	20.77	38.87	-7.13	Peak
576.470	17.80	---	46.00	20.88	38.68	-7.32	Peak
583.630	18.30	---	46.00	20.97	39.27	-6.73	Peak
597.940	---	17.86	46.00	21.17	39.03	-6.97	QP
! 597.940	18.90	---	46.00	21.17	40.07	-5.93	Peak
605.100	17.40	---	46.00	21.36	38.76	-7.24	Peak
612.260	17.50	---	46.00	21.51	39.01	-6.99	Peak
619.430	17.90	---	46.00	21.67	39.57	-6.43	Peak
626.590	17.30	---	46.00	21.88	39.18	-6.82	Peak
633.740	16.40	---	46.00	22.04	38.44	-7.56	Peak
640.910	16.00	---	46.00	22.19	38.19	-7.81	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)



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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	
648.070	15.70	---	46.00	22.35	38.05	-7.95	Peak
655.240	16.10	---	46.00	22.51	38.61	-7.39	Peak
662.390	15.80	---	46.00	22.72	38.52	-7.48	Peak
669.560	15.90	---	46.00	22.87	38.77	-7.23	Peak
676.720	15.30	---	46.00	23.03	38.33	-7.67	Peak
683.880	14.80	---	46.00	23.19	37.99	-8.01	Peak
691.040	14.20	---	46.00	23.34	37.54	-8.46	Peak
712.520	15.20	---	46.00	23.67	38.87	-7.13	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

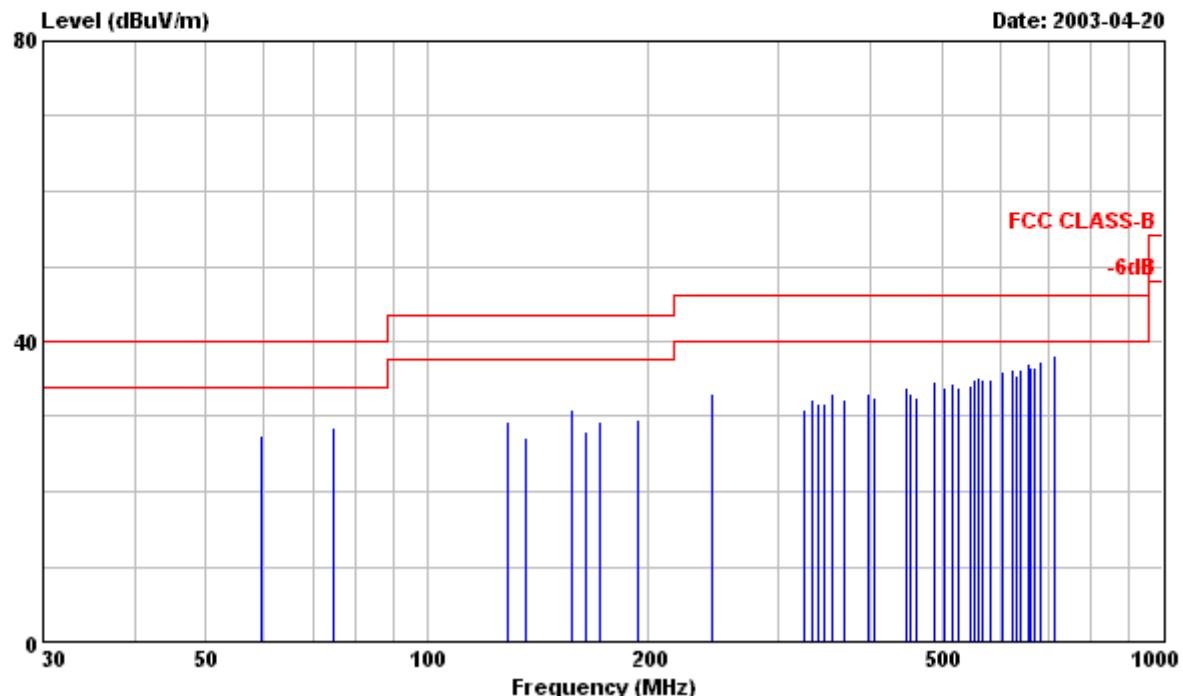


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Data#: 2

File#: C:\Program Files\emi\EMI03-016-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
59.270	17.50	---	40.00	9.97	27.47	-12.53	Peak
74.560	18.30	---	40.00	10.19	28.49	-11.51	Peak
128.920	16.70	---	43.50	12.66	29.36	-14.14	Peak
136.060	14.40	---	43.50	12.92	27.32	-16.18	Peak
157.550	17.20	---	43.50	13.63	30.83	-12.67	Peak
164.710	14.10	---	43.50	13.83	27.93	-15.57	Peak
171.870	15.30	---	43.50	14.02	29.32	-14.18	Peak
193.340	13.90	---	43.50	15.67	29.57	-13.93	Peak
243.470	12.99	---	46.00	19.98	32.97	-13.03	Peak
325.830	13.90	---	46.00	17.02	30.92	-15.08	Peak
333.070	15.20	---	46.00	17.16	32.36	-13.64	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	
340.150	14.50	---	46.00	17.30	31.80	-14.20	Peak
347.320	14.20	---	46.00	17.44	31.64	-14.36	Peak
354.480	15.60	---	46.00	17.58	33.18	-12.82	Peak
368.800	14.30	---	46.00	17.86	32.16	-13.84	Peak
397.440	14.60	---	46.00	18.35	32.95	-13.05	Peak
404.600	14.10	---	46.00	18.46	32.56	-13.44	Peak
447.570	14.70	---	46.00	19.06	33.76	-12.24	Peak
454.730	14.00	---	46.00	19.14	33.14	-12.86	Peak
461.880	13.30	---	46.00	19.25	32.55	-13.45	Peak
490.530	15.00	---	46.00	19.60	34.60	-11.40	Peak
504.850	14.20	---	46.00	19.79	33.99	-12.01	Peak
519.170	14.50	---	46.00	20.02	34.52	-11.48	Peak
526.340	13.80	---	46.00	20.13	33.93	-12.07	Peak
547.820	13.70	---	46.00	20.45	34.15	-11.85	Peak
554.980	14.30	---	46.00	20.57	34.87	-11.13	Peak
562.140	14.50	---	46.00	20.68	35.18	-10.82	Peak
569.300	14.20	---	46.00	20.77	34.97	-11.03	Peak
583.630	13.90	---	46.00	20.97	34.87	-11.13	Peak
605.100	14.60	---	46.00	21.36	35.96	-10.04	Peak
626.590	14.40	---	46.00	21.88	36.28	-9.72	Peak
633.740	13.30	---	46.00	22.04	35.34	-10.66	Peak
640.910	14.20	---	46.00	22.19	36.39	-9.61	Peak
655.230	14.50	---	46.00	22.51	37.01	-8.99	Peak
662.390	13.80	---	46.00	22.72	36.52	-9.48	Peak
669.550	13.70	---	46.00	22.87	36.57	-9.43	Peak
683.870	14.10	---	46.00	23.19	37.29	-8.71	Peak
712.510	14.40	---	46.00	23.67	38.07	-7.93	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

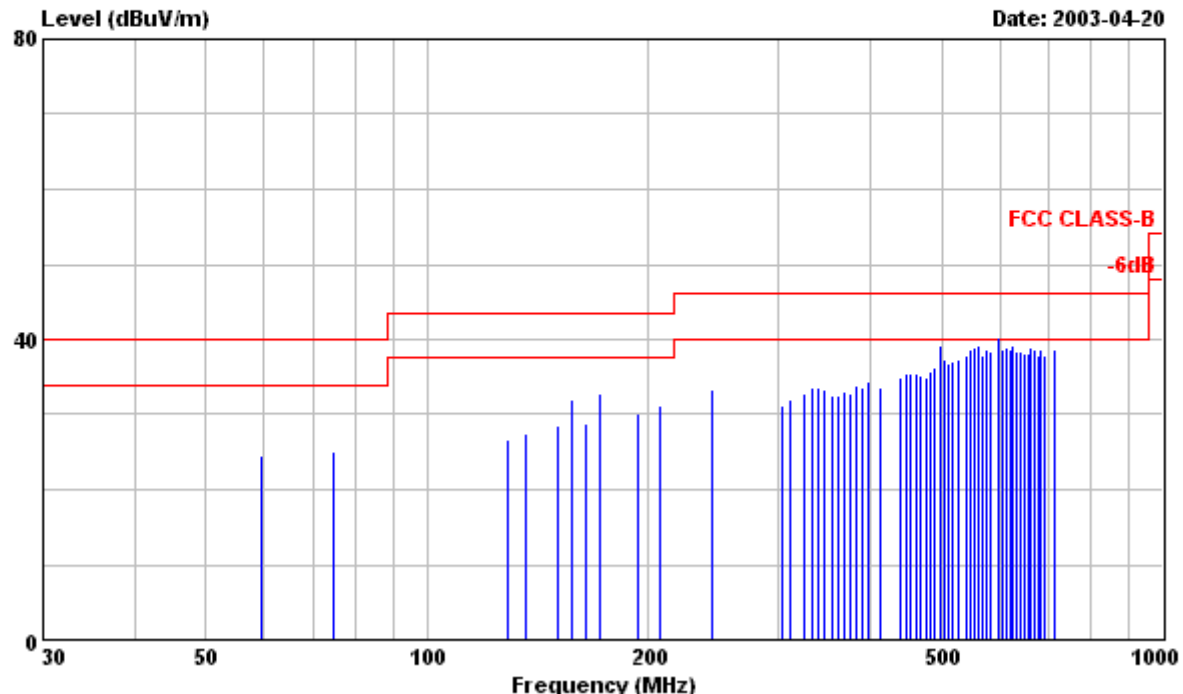


PHILIPS

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Data#: 3

File#: C:\Program Files\em3\EMI03-016-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
59.270	14.50	---	40.00	9.97	24.47	-15.53	Peak
74.560	14.90	---	40.00	10.19	25.09	-14.91	Peak
128.920	14.10	---	43.50	12.66	26.76	-16.74	Peak
136.060	14.50	---	43.50	12.92	27.42	-16.08	Peak
150.390	15.10	---	43.50	13.43	28.53	-14.97	Peak
157.550	18.40	---	43.50	13.63	32.03	-11.47	Peak
164.690	15.00	---	43.50	13.83	28.83	-14.67	Peak
171.860	18.80	---	43.50	14.02	32.82	-10.68	Peak
193.340	14.60	---	43.50	15.67	30.27	-13.23	Peak
207.670	14.30	---	43.50	17.02	31.32	-12.18	Peak
243.470	13.40	---	46.00	19.98	33.38	-12.62	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	
304.340	14.70	---	46.00	16.57	31.27	-14.73	Peak
311.500	15.40	---	46.00	16.71	32.11	-13.89	Peak
325.830	15.80	---	46.00	17.02	32.82	-13.18	Peak
333.000	16.50	---	46.00	17.16	33.66	-12.34	Peak
340.150	16.40	---	46.00	17.30	33.70	-12.30	Peak
347.310	15.80	---	46.00	17.44	33.24	-12.76	Peak
354.470	15.00	---	46.00	17.58	32.58	-13.42	Peak
361.630	14.80	---	46.00	17.72	32.52	-13.48	Peak
368.800	15.20	---	46.00	17.86	33.06	-12.94	Peak
375.960	14.70	---	46.00	17.98	32.68	-13.32	Peak
383.110	15.90	---	46.00	18.10	34.00	-12.00	Peak
390.270	15.30	---	46.00	18.24	33.54	-12.46	Peak
397.440	16.10	---	46.00	18.35	34.45	-11.55	Peak
411.760	15.10	---	46.00	18.57	33.67	-12.33	Peak
440.410	15.90	---	46.00	18.96	34.86	-11.14	Peak
447.560	16.50	---	46.00	19.06	35.56	-10.44	Peak
454.730	16.20	---	46.00	19.14	35.34	-10.66	Peak
461.890	16.30	---	46.00	19.25	35.55	-10.45	Peak
469.050	16.00	---	46.00	19.33	35.33	-10.67	Peak
476.220	15.60	---	46.00	19.41	35.01	-10.99	Peak
483.370	16.10	---	46.00	19.51	35.61	-10.39	Peak
490.530	16.80	---	46.00	19.60	36.40	-9.60	Peak
497.690	19.40	---	46.00	19.68	39.08	-6.92	Peak
504.860	17.50	---	46.00	19.79	37.29	-8.71	Peak
512.020	16.80	---	46.00	19.90	36.70	-9.30	Peak
519.170	17.10	---	46.00	20.02	37.12	-8.88	Peak
526.330	17.30	---	46.00	20.13	37.43	-8.57	Peak
540.660	17.60	---	46.00	20.36	37.96	-8.04	Peak
547.820	18.10	---	46.00	20.45	38.55	-7.45	Peak
554.980	18.30	---	46.00	20.57	38.87	-7.13	Peak
562.140	18.40	---	46.00	20.68	39.08	-6.92	Peak
569.300	17.10	---	46.00	20.77	37.87	-8.13	Peak
576.460	17.90	---	46.00	20.88	38.78	-7.22	Peak
583.620	17.30	---	46.00	20.97	38.27	-7.73	Peak
! 597.940	19.00	---	46.00	21.17	40.17	-5.83	Peak
597.940	---	17.89	46.00	21.17	39.06	-6.94	QP
605.110	17.40	---	46.00	21.36	38.76	-7.24	Peak
612.270	17.30	---	46.00	21.51	38.81	-7.19	Peak
619.430	16.90	---	46.00	21.67	38.57	-7.43	Peak
626.590	17.20	---	46.00	21.88	39.08	-6.92	Peak
633.750	16.30	---	46.00	22.04	38.34	-7.66	Peak
640.910	16.10	---	46.00	22.19	38.29	-7.71	Peak
648.070	15.70	---	46.00	22.35	38.05	-7.95	Peak
655.230	15.50	---	46.00	22.51	38.01	-7.99	Peak
662.390	16.10	---	46.00	22.72	38.82	-7.18	Peak
669.560	15.80	---	46.00	22.87	38.67	-7.33	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	
676.720	14.90	---	46.00	23.03	37.93	-8.07	Peak
683.870	15.50	---	46.00	23.19	38.69	-7.31	Peak
691.030	14.60	---	46.00	23.34	37.94	-8.06	Peak
712.520	15.10	---	46.00	23.67	38.77	-7.23	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

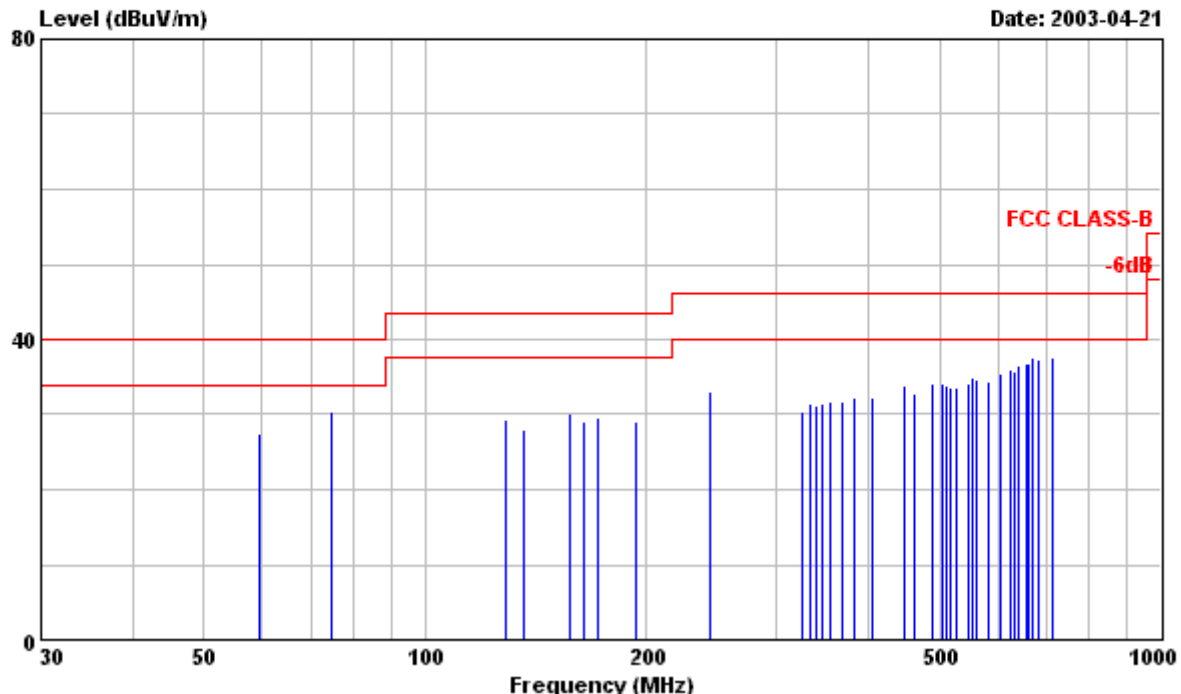


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Data#: 4

File#: C:\Program Files\emi\EMI03-016-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150B4 Serial No:TY0211683
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 14 ARIAL "H" PATTERN.
: 3. AUDIO RUN CD PLAYER.
: 4. 800x600/75Hz 47KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR 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	
59.270	17.60	---	40.00	9.97	27.57	-12.43	Peak
74.560	20.10	---	40.00	10.19	30.29	-9.71	Peak
128.920	16.80	---	43.50	12.66	29.46	-14.04	Peak
136.060	15.20	---	43.50	12.92	28.12	-15.38	Peak
157.550	16.60	---	43.50	13.63	30.23	-13.27	Peak
164.690	15.10	---	43.50	13.83	28.93	-14.57	Peak
171.860	15.70	---	43.50	14.02	29.72	-13.78	Peak
193.340	13.40	---	43.50	15.67	29.07	-14.43	Peak
243.470	13.19	---	46.00	19.98	33.17	-12.83	Peak
325.830	13.50	---	46.00	17.02	30.52	-15.48	Peak
333.000	14.40	---	46.00	17.16	31.56	-14.44	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	
340.150	14.00	---	46.00	17.30	31.30	-14.70	Peak
347.320	13.90	---	46.00	17.44	31.34	-14.66	Peak
354.480	14.20	---	46.00	17.58	31.78	-14.22	Peak
368.800	13.90	---	46.00	17.86	31.76	-14.24	Peak
383.120	14.10	---	46.00	18.10	32.20	-13.80	Peak
404.600	13.90	---	46.00	18.46	32.36	-13.64	Peak
447.560	14.70	---	46.00	19.06	33.76	-12.24	Peak
461.880	13.60	---	46.00	19.25	32.85	-13.15	Peak
490.530	14.60	---	46.00	19.60	34.20	-11.80	Peak
504.850	14.30	---	46.00	19.79	34.09	-11.91	Peak
512.010	13.90	---	46.00	19.90	33.80	-12.20	Peak
519.170	13.70	---	46.00	20.02	33.72	-12.28	Peak
526.340	13.40	---	46.00	20.13	33.53	-12.47	Peak
547.820	13.70	---	46.00	20.45	34.15	-11.85	Peak
554.980	14.30	---	46.00	20.57	34.87	-11.13	Peak
562.140	13.90	---	46.00	20.68	34.58	-11.42	Peak
583.630	13.40	---	46.00	20.97	34.37	-11.63	Peak
605.110	14.00	---	46.00	21.36	35.36	-10.64	Peak
626.590	14.20	---	46.00	21.88	36.08	-9.92	Peak
633.750	13.80	---	46.00	22.04	35.84	-10.16	Peak
640.910	14.30	---	46.00	22.19	36.49	-9.51	Peak
655.230	14.40	---	46.00	22.51	36.91	-9.09	Peak
662.390	14.10	---	46.00	22.72	36.82	-9.18	Peak
669.550	14.60	---	46.00	22.87	37.47	-8.53	Peak
683.870	14.20	---	46.00	23.19	37.39	-8.61	Peak
712.510	13.90	---	46.00	23.67	37.57	-8.43	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