



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.: TYR87-2041 Date : 19 February, 2003 Page : Page 1 of 40		
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. : A3KM118 Model Name : 170B4 Serial Number : TY0212737 Description : 17" SXGA LCD color monitor, Max. resolution 1280x1024/75Hz				
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 : 30 Jan. 2003 Date of performance of test : 07 Feb., 2003 to 08 Feb., 2003				
<table border="0" style="width: 100%;"><tr><td style="text-align: center;"> C.C. Wu - EMC Test Engineer</td><td style="text-align: center;"> Ronnie Yang - EMC Manager NVLAP Signatory</td></tr></table>			 C.C. Wu - EMC Test Engineer	 Ronnie Yang - EMC Manager NVLAP Signatory
 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, 17" color monitor :

Model No. : 170B4
 FCC ID : A3KM118
 Brand : PHILIPS

The color monitor automatically scans horizontal frequencies between 30KHz and 82KHz , 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 1280x1024 pixels.

The monitor has 16 factory-preset modes as indicated in the following table:

#	Resolution	H-Frequency	Pixel rate	V-Frequency	Comment
1	640X350	31.5KHz	25.175	70Hz	IBM VGA 10h
2	720X400	31.5KHz	28.322	70Hz	IBM VGA 3h
3	640X480	37.5KHz	31.501	75Hz	
4	640X480	35.0KHz	30.24	67Hz	
5	640X480	31.5KHz	25.175	60Hz	
6	800X600	35.2KHz	36	56Hz	
7	800X600	46.9KHz	49.498	75Hz	
8	800X600	37.9KHz	40	60Hz	
9	832X624	49.7KHz	57.28	75Hz	MAC
10	1024X768	60.0KHz	78.75	75Hz	
11	1024X768	48.4KHz	65	60Hz	
12	1152X870	68.7KHz	100	75Hz	MAC
13	1152X900	71.8KHz	108	76Hz	SUN Mode II
14	1280X1024	64.0KHz	108	60Hz	
15	1280X1024	80.0KHz	135	75Hz	
16	688X556	31.3KHz	27	50Hz	TV-PAL

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

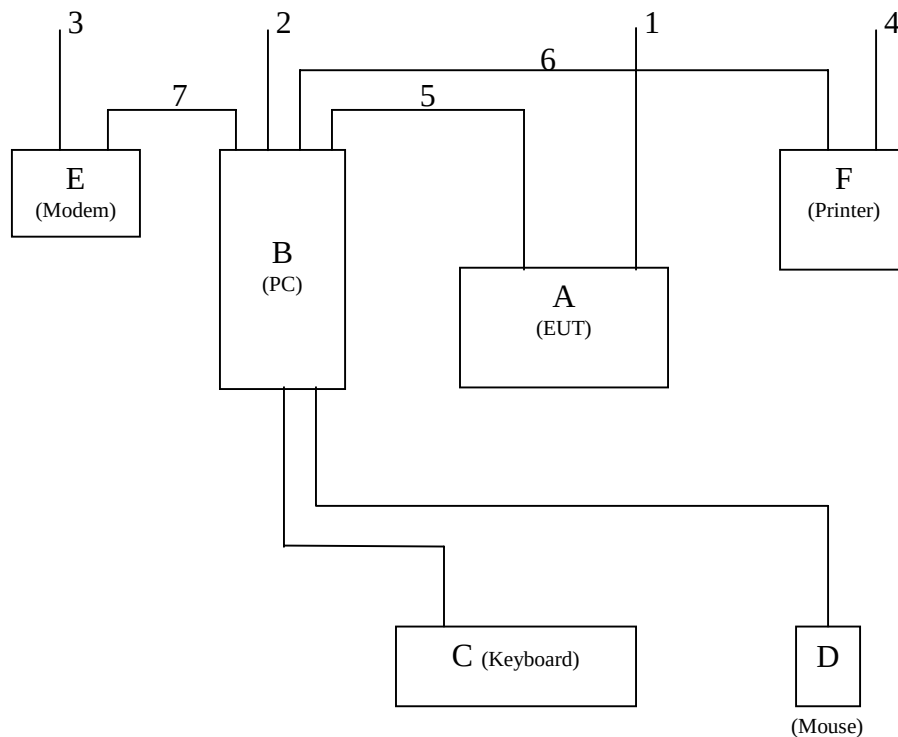
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT "170B4" were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	PHILIPS 170B4	TY0212737	A3KM118	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.

Audio cable with one ferrite core was used

Tested and reported modes as following:

Test Item	File No.	Resolution	Frequencies	I/F Cable
Conducted	EMI03-005-C	1280x1024	80KHz/75Hz	D-sub & DVI
		1024x768	60KHz/75Hz	D-sub
Radiated	EMI03-005-R	1280x1024	80KHz/75Hz	D-sub & DVI
		1024x768	60KHz/75Hz	D-sub

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

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	: 07 Feb., 2003 to 08 Feb., 2003	
Test Engineer	: C.C.Wu	
For detail measurement results see next pages.		

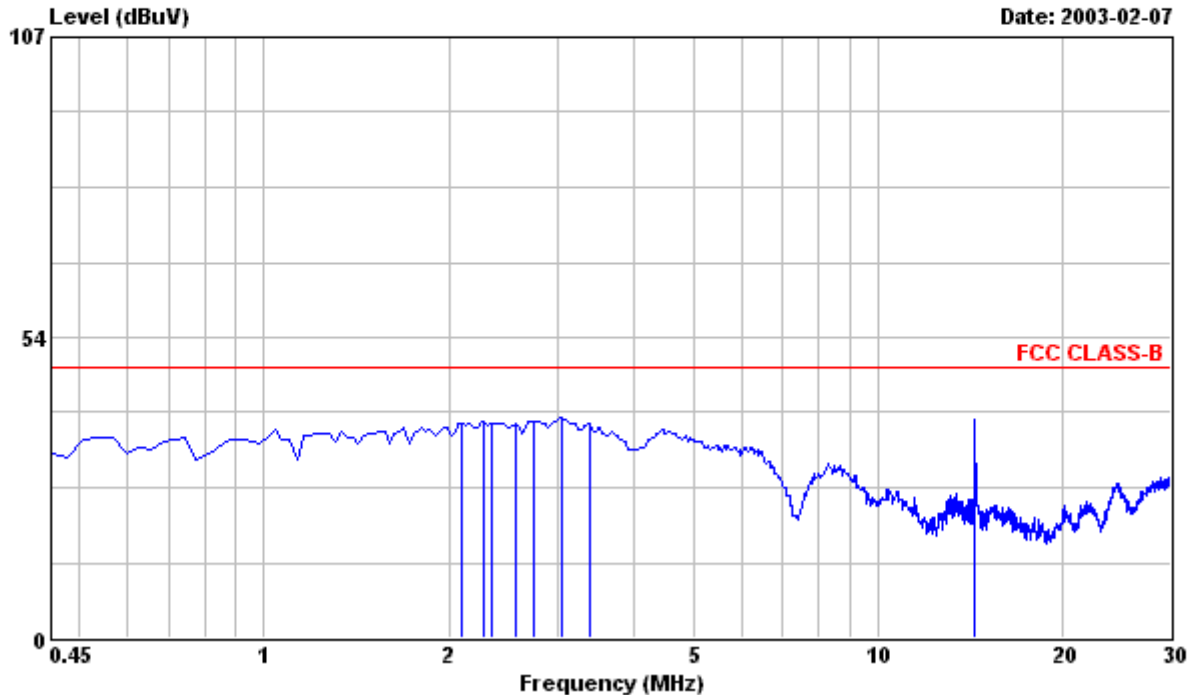


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Data#: 1

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
2.105	37.70	---	48.00	0.40	38.10	-9.90	Peak
2.282	38.20	---	48.00	0.40	38.60	-9.40	Peak
2.341	37.70	---	48.00	0.40	38.10	-9.90	Peak
2.578	37.90	---	48.00	0.40	38.30	-9.70	Peak
2.755	38.20	---	48.00	0.40	38.60	-9.40	Peak
3.050	38.70	---	48.00	0.40	39.10	-8.90	Peak
3.405	37.80	---	48.00	0.40	38.20	-9.80	Peak
14.398	38.20	---	48.00	0.69	38.89	-9.11	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

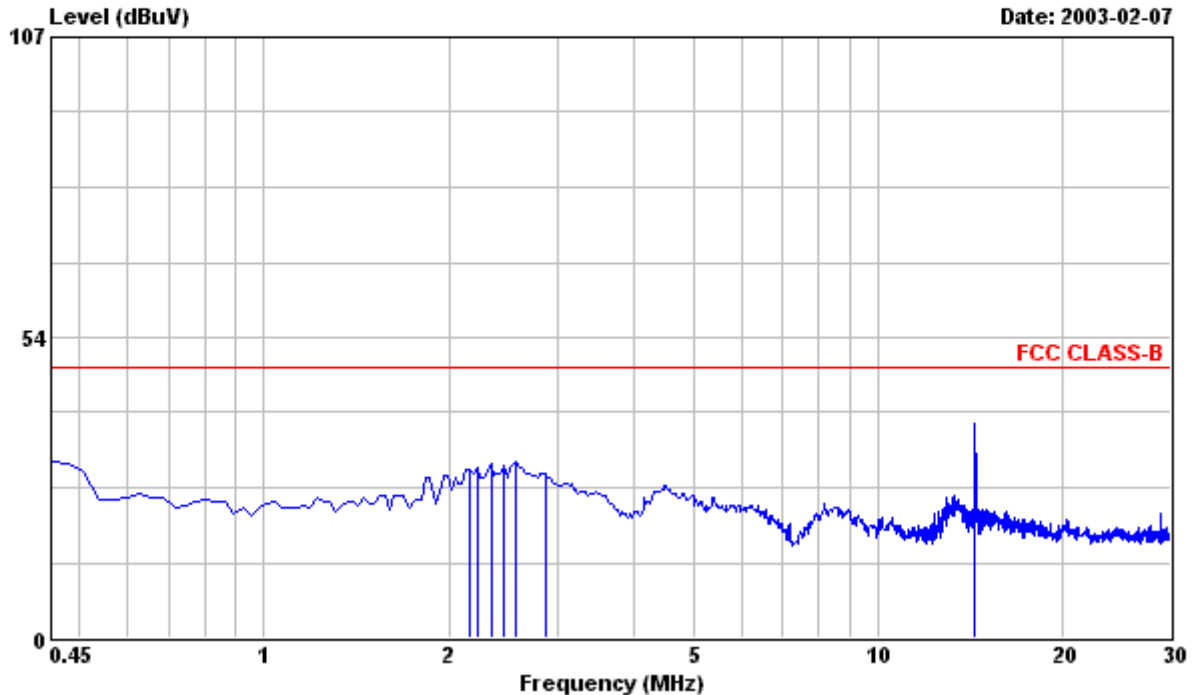


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Data#: 2

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							
0.450	31.30	---	48.00	0.20	31.50	-16.50	Peak
2.164	29.70	---	48.00	0.40	30.10	-17.90	Peak
2.223	29.80	---	48.00	0.40	30.20	-17.80	Peak
2.341	30.70	---	48.00	0.40	31.10	-16.90	Peak
2.459	30.20	---	48.00	0.40	30.60	-17.40	Peak
2.578	31.10	---	48.00	0.40	31.50	-16.50	Peak
2.873	29.00	---	48.00	0.40	29.40	-18.60	Peak
14.398	37.60	---	48.00	0.69	38.29	-9.71	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

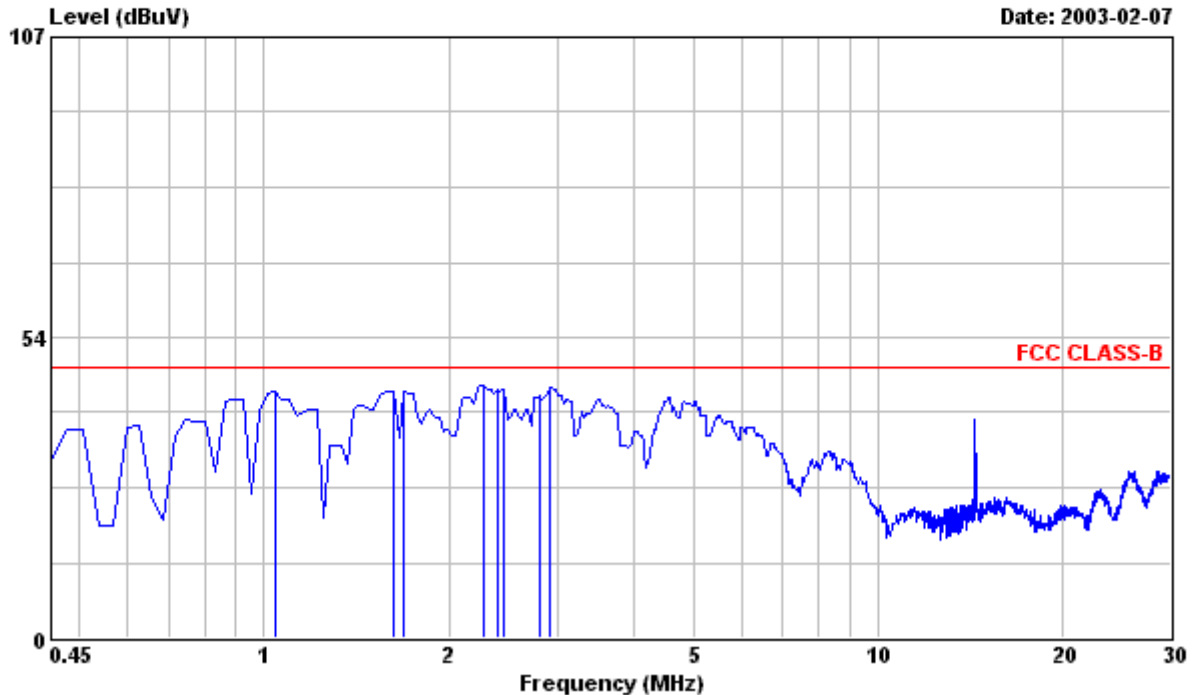


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Data#: 3

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
1.041	43.30	---	48.00	0.40	43.70	-4.30	Peak
1.632	43.40	---	48.00	0.40	43.80	-4.20	Peak
1.691	43.30	---	48.00	0.40	43.70	-4.30	Peak
2.282	44.70	---	48.00	0.40	45.10	-2.90	Peak
2.400	43.80	---	48.00	0.40	44.20	-3.80	Peak
2.459	43.80	---	48.00	0.40	44.20	-3.80	Peak
2.814	42.80	---	48.00	0.40	43.20	-4.80	Peak
2.932	44.30	---	48.00	0.40	44.70	-3.30	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

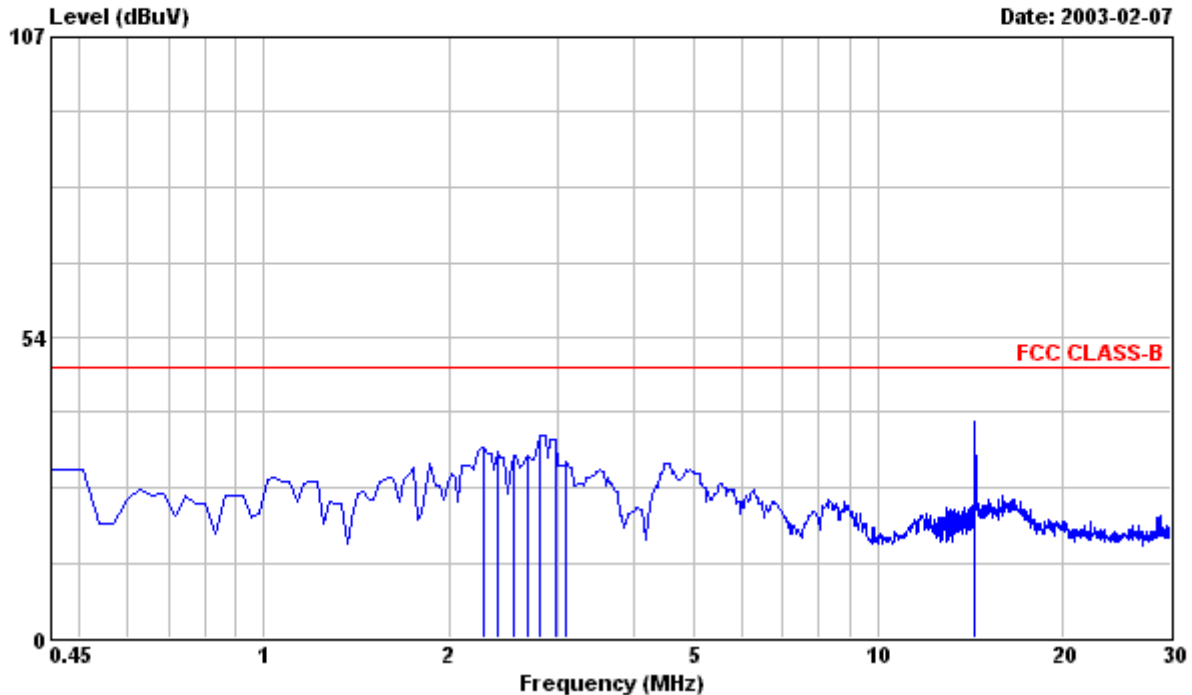


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Data#: 4

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

2.282	33.60	---	48.00	0.40	34.00	-14.00	Peak
2.400	32.90	---	48.00	0.40	33.30	-14.70	Peak
2.548	32.20	---	48.00	0.40	32.60	-15.40	Peak
2.696	32.10	---	48.00	0.40	32.50	-15.50	Peak
2.814	35.70	---	48.00	0.40	36.10	-11.90	Peak
2.991	34.80	---	48.00	0.40	35.20	-12.80	Peak
3.110	30.90	---	48.00	0.40	31.30	-16.70	Peak
14.398	38.00	---	48.00	0.69	38.69	-9.31	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

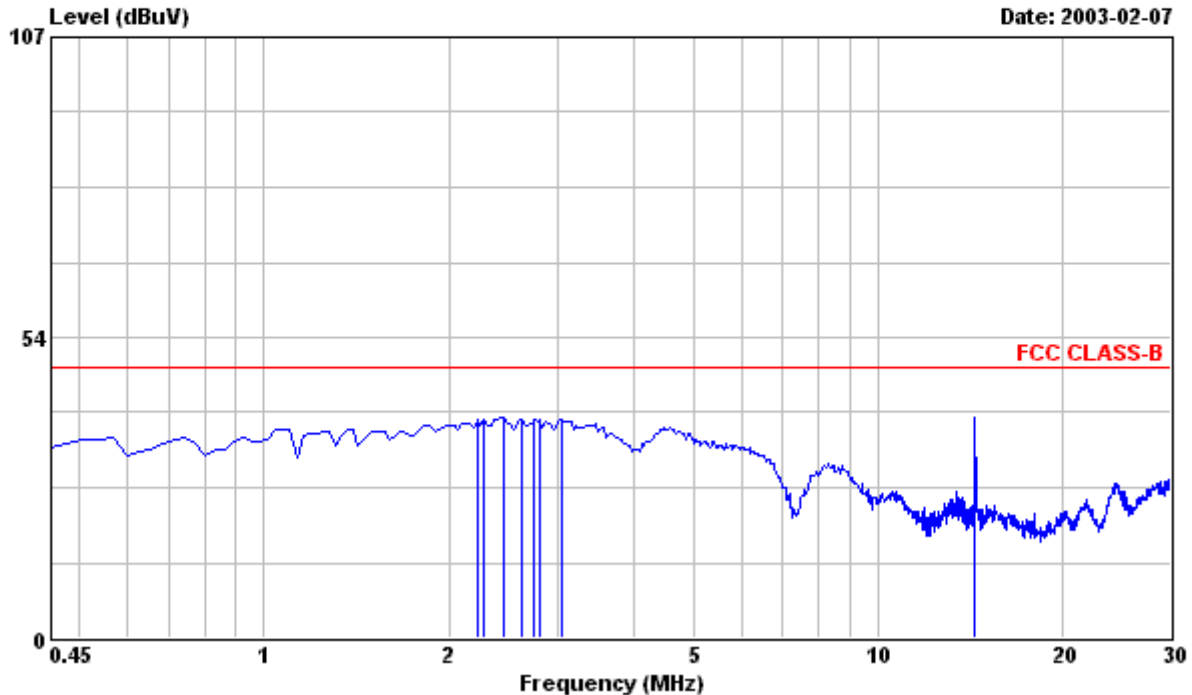


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Data#: 5

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
2.223	38.60	---	48.00	0.40	39.00	-9.00	Peak
2.282	38.40	---	48.00	0.40	38.80	-9.20	Peak
2.459	38.80	---	48.00	0.40	39.20	-8.80	Peak
2.637	38.40	---	48.00	0.40	38.80	-9.20	Peak
2.755	38.30	---	48.00	0.40	38.70	-9.30	Peak
2.814	38.40	---	48.00	0.40	38.80	-9.20	Peak
3.050	38.30	---	48.00	0.40	38.70	-9.30	Peak
14.398	38.40	---	48.00	0.69	39.09	-8.91	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

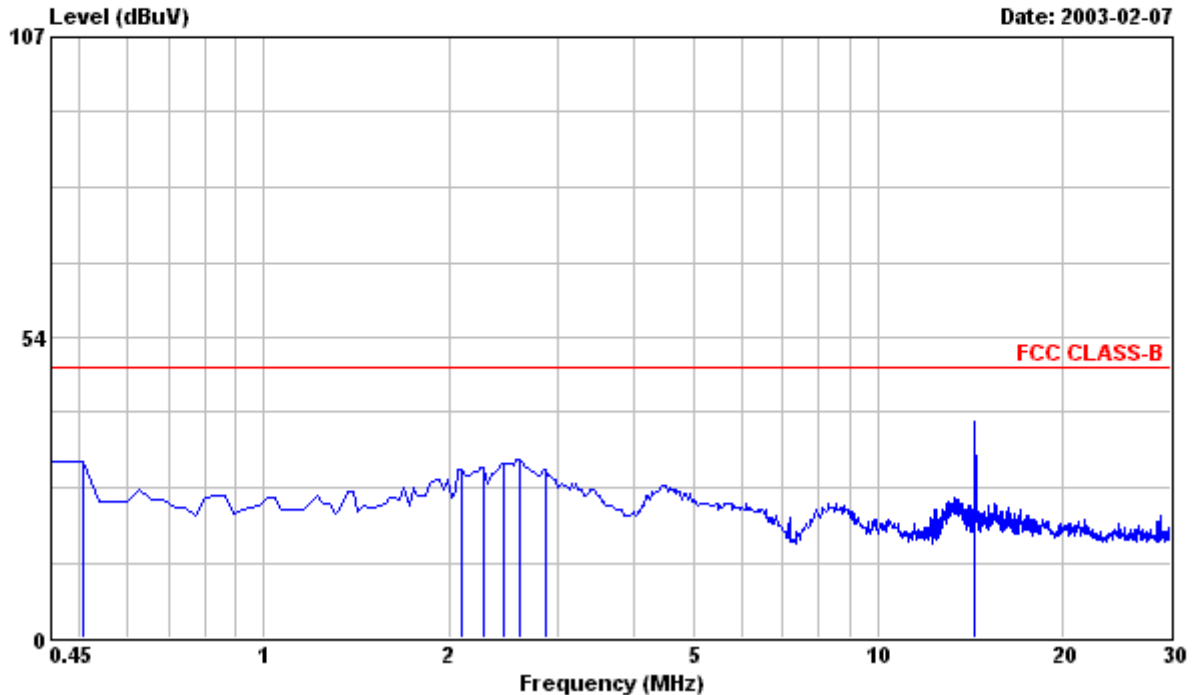


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Data#: 6

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

0.450	31.20	---	48.00	0.20	31.40	-16.60	Peak
0.509	31.10	---	48.00	0.23	31.33	-16.67	Peak
2.105	29.40	---	48.00	0.40	29.80	-18.20	Peak
2.282	29.80	---	48.00	0.40	30.20	-17.80	Peak
2.459	30.60	---	48.00	0.40	31.00	-17.00	Peak
2.607	31.30	---	48.00	0.40	31.70	-16.30	Peak
2.873	29.40	---	48.00	0.40	29.80	-18.20	Peak
14.398	37.80	---	48.00	0.69	38.49	-9.51	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

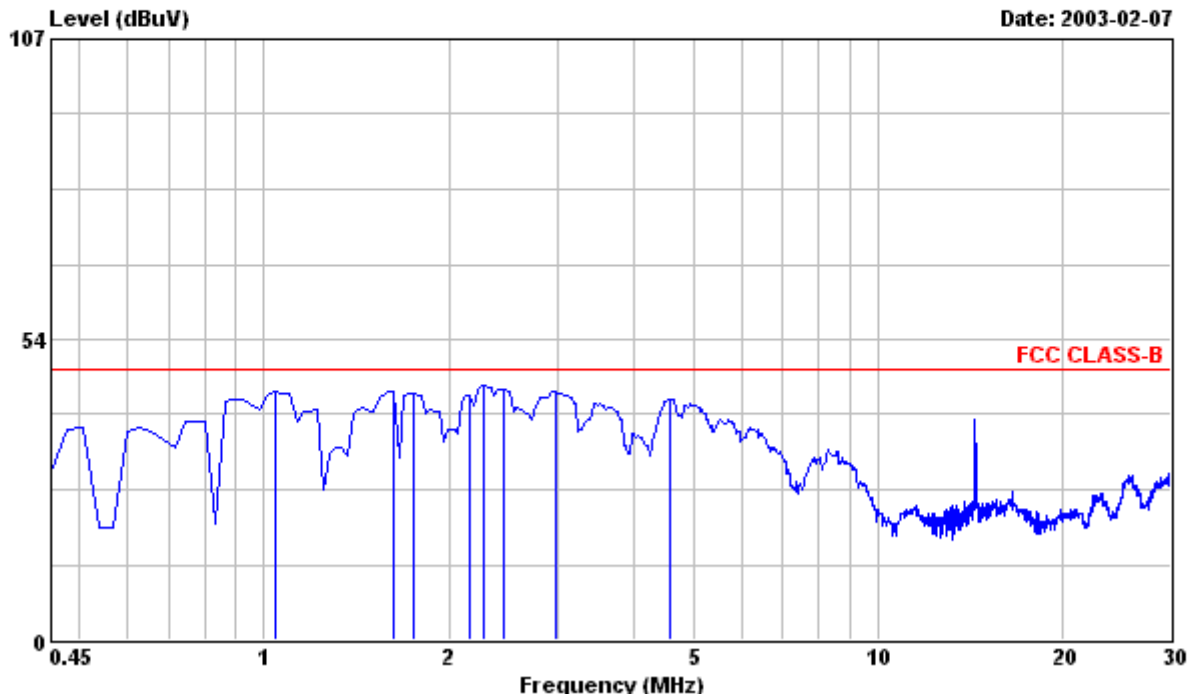


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Data#: 7

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
1.041	43.70	---	48.00	0.40	44.10	-3.90	Peak
1.632	43.70	---	48.00	0.40	44.10	-3.90	Peak
1.750	43.50	---	48.00	0.40	43.90	-4.10	Peak
2.164	43.00	---	48.00	0.40	43.40	-4.60	Peak
2.282	44.80	---	48.00	0.40	45.20	-2.80	Peak
2.459	44.20	---	48.00	0.40	44.60	-3.40	Peak
2.991	44.00	---	48.00	0.40	44.40	-3.60	Peak
4.587	42.50	---	48.00	0.34	42.84	-5.16	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

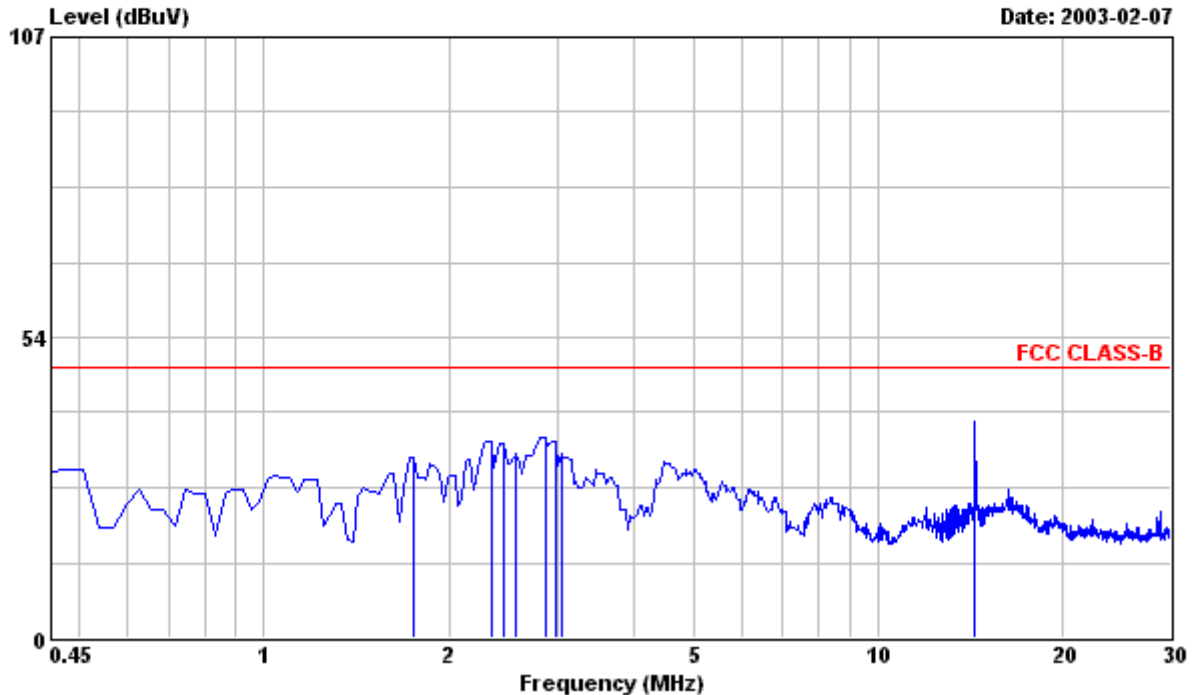


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Data#: 8

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

1.750	31.70	---	48.00	0.40	32.10	-15.90	Peak
2.341	34.40	---	48.00	0.40	34.80	-13.20	Peak
2.459	34.10	---	48.00	0.40	34.50	-13.50	Peak
2.578	32.50	---	48.00	0.40	32.90	-15.10	Peak
2.873	35.30	---	48.00	0.40	35.70	-12.30	Peak
2.991	34.60	---	48.00	0.40	35.00	-13.00	Peak
3.050	32.40	---	48.00	0.40	32.80	-15.20	Peak
14.398	38.00	---	48.00	0.69	38.69	-9.31	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

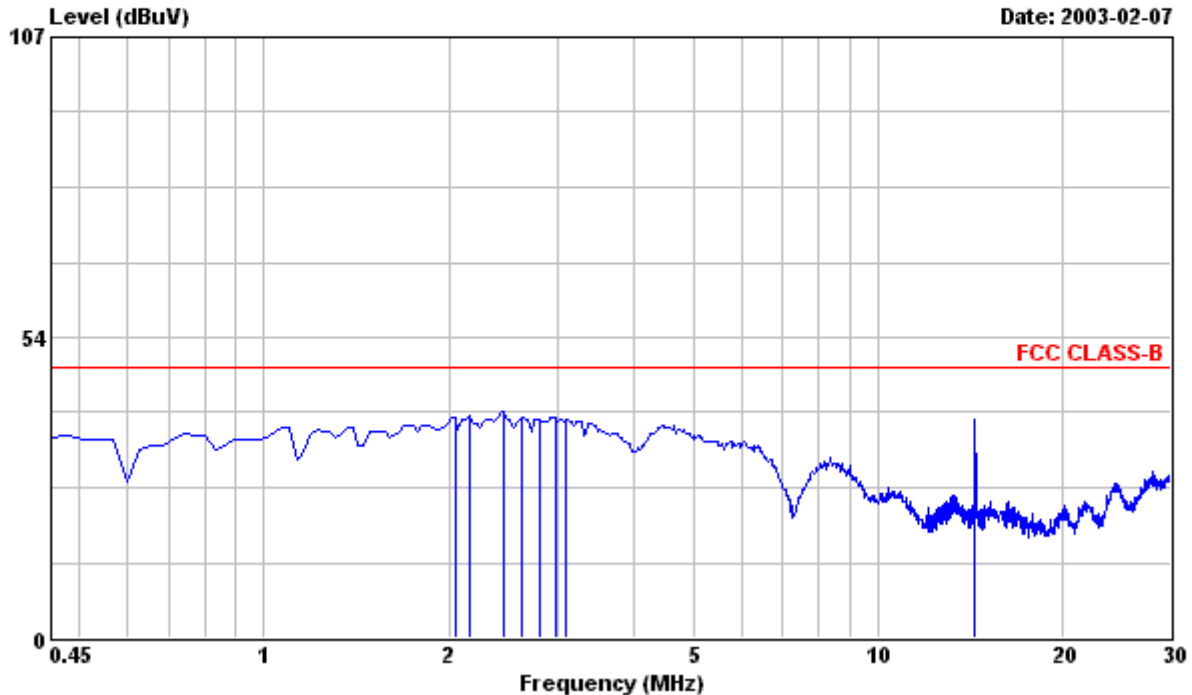


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Data#: 9

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN DVI I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
2.046	38.80	---	48.00	0.40	39.20	-8.80	Peak
2.164	39.10	---	48.00	0.40	39.50	-8.50	Peak
2.459	39.90	---	48.00	0.40	40.30	-7.70	Peak
2.637	38.80	---	48.00	0.40	39.20	-8.80	Peak
2.814	38.60	---	48.00	0.40	39.00	-9.00	Peak
2.991	38.90	---	48.00	0.40	39.30	-8.70	Peak
3.110	38.60	---	48.00	0.40	39.00	-9.00	Peak
14.398	38.30	---	48.00	0.69	38.99	-9.01	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

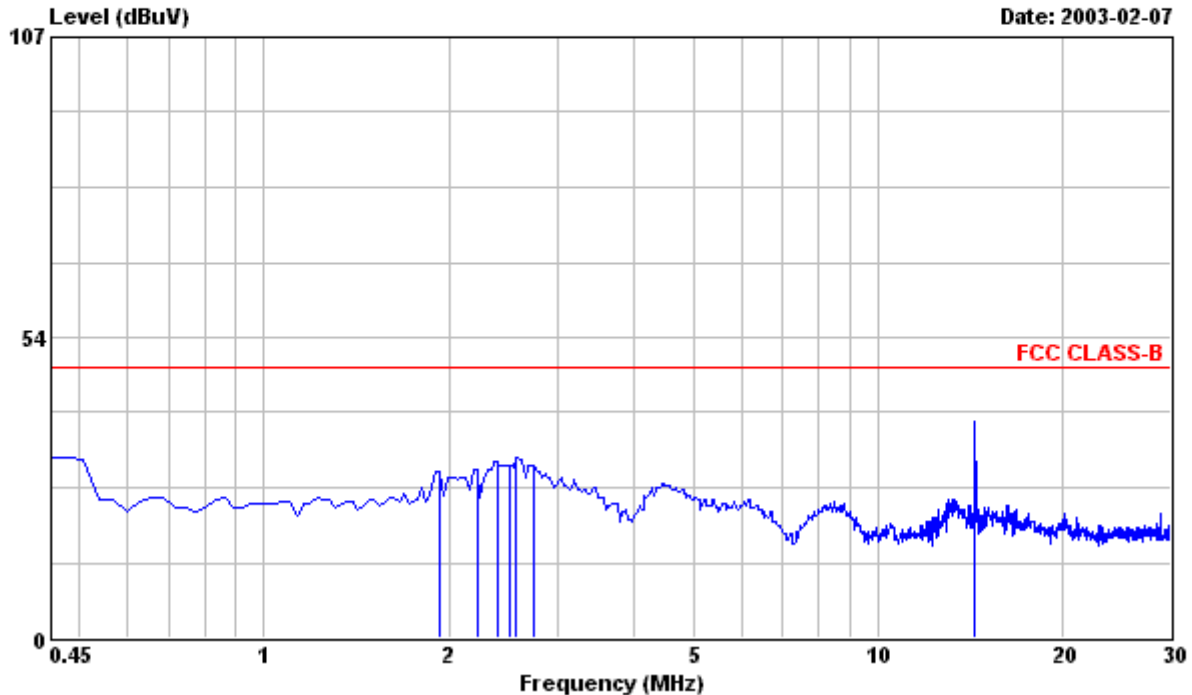


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Data#: 10

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN DVI I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

0.450	31.90	---	48.00	0.20	32.10	-15.90	Peak
1.928	29.10	---	48.00	0.40	29.50	-18.50	Peak
2.223	29.50	---	48.00	0.40	29.90	-18.10	Peak
2.400	30.90	---	48.00	0.40	31.30	-16.70	Peak
2.519	30.40	---	48.00	0.40	30.80	-17.20	Peak
2.578	31.80	---	48.00	0.40	32.20	-15.80	Peak
2.755	30.40	---	48.00	0.40	30.80	-17.20	Peak
14.398	37.90	---	48.00	0.69	38.59	-9.41	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

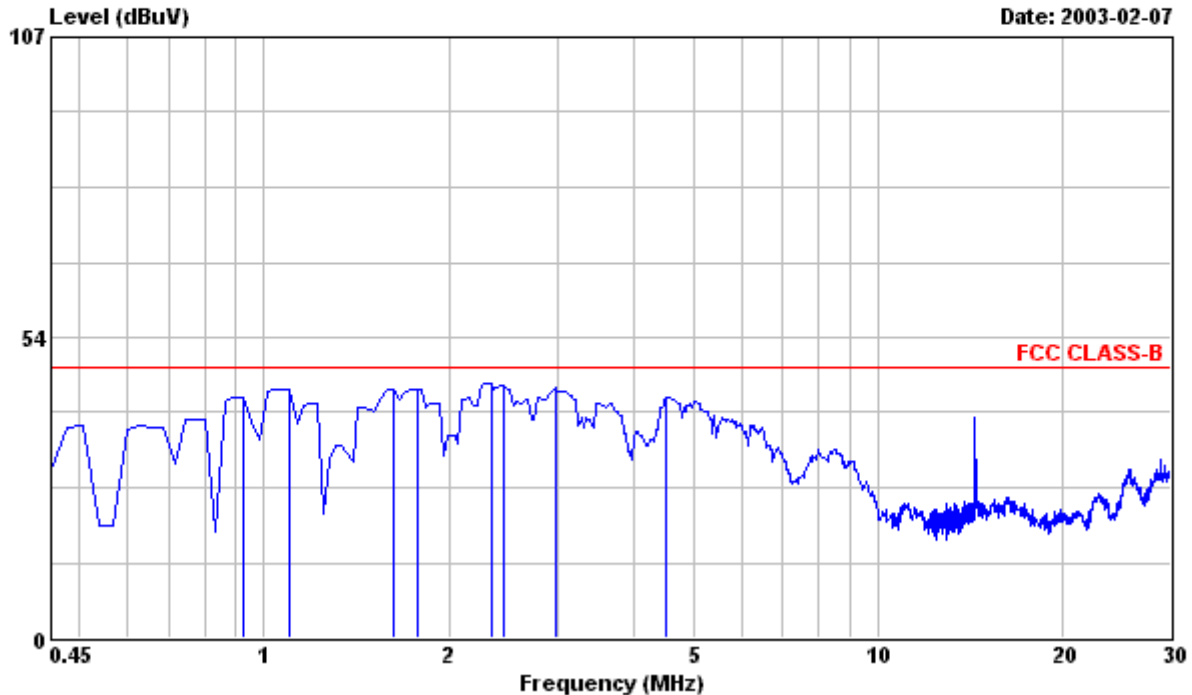


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Data#: 11

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN DVI I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
0.923	42.50	---	48.00	0.38	42.88	-5.12	Peak
1.100	43.80	---	48.00	0.40	44.20	-3.80	Peak
1.632	43.70	---	48.00	0.40	44.10	-3.90	Peak
1.780	43.90	---	48.00	0.40	44.30	-3.70	Peak
2.341	45.00	---	48.00	0.40	45.40	-2.60	Peak
2.459	44.60	---	48.00	0.40	45.00	-3.00	Peak
2.991	44.10	---	48.00	0.40	44.50	-3.50	Peak
4.528	42.51	---	48.00	0.34	42.85	-5.15	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

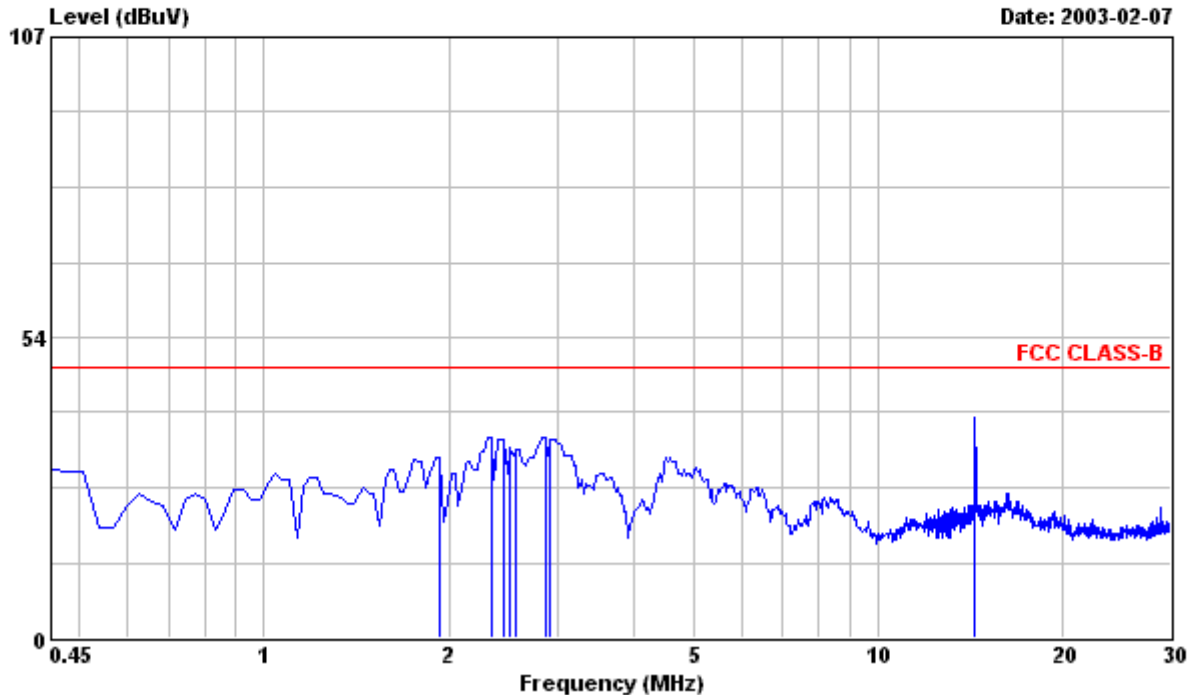


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Data#: 12

File#: C:\Program Files\em3\EMI03-005-C(170B4 CPT).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN DVI I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

1.928	31.80	---	48.00	0.40	32.20	-15.80	Peak
2.341	35.10	---	48.00	0.40	35.50	-12.50	Peak
2.459	34.80	---	48.00	0.40	35.20	-12.80	Peak
2.519	33.60	---	48.00	0.40	34.00	-14.00	Peak
2.578	33.20	---	48.00	0.40	33.60	-14.40	Peak
2.873	35.10	---	48.00	0.40	35.50	-12.50	Peak
2.932	35.00	---	48.00	0.40	35.40	-12.60	Peak
14.398	38.40	---	48.00	0.69	39.09	-8.91	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

8. Radiated Emission Test

Radiated Emissions FCC Part 15		
Operating conditions EUT: EUT powered on with scrolling "H" pattern.		
Limits:		
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	: 07 Feb., 2003 to 08 Feb., 2003	
Test Engineer	: C.C.Wu	
For detail measurement results see next pages.		

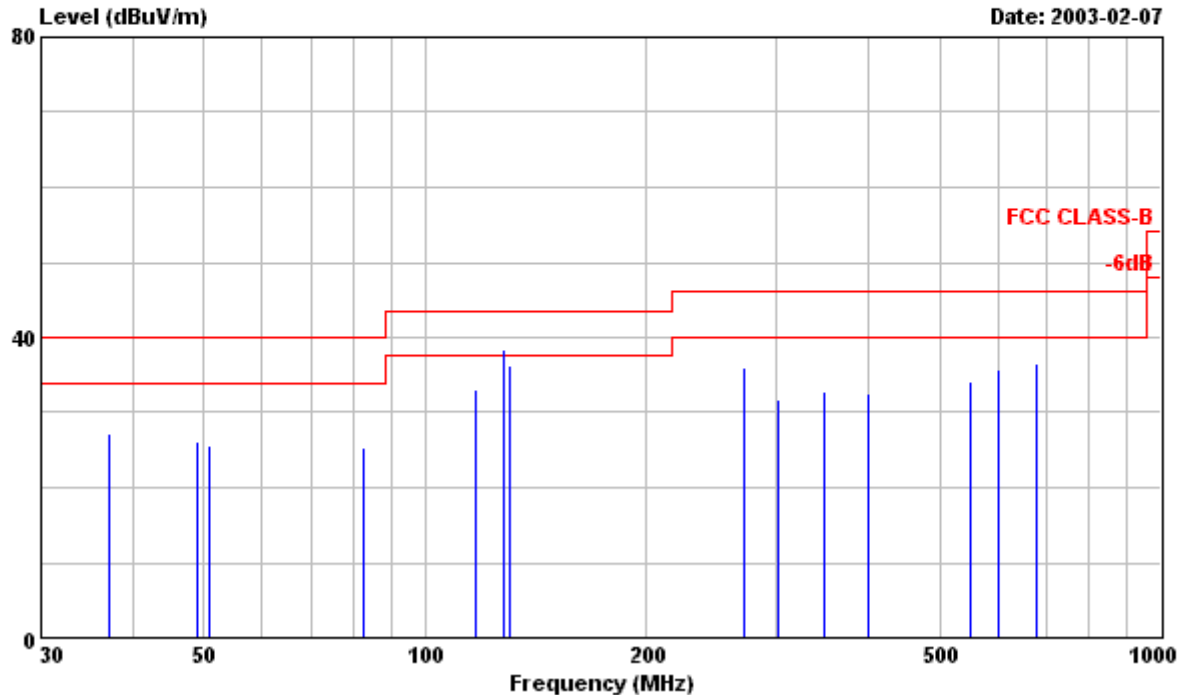


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Data#: 1

File#: C:\Program Files\eml\EMI03-005-R(170B4 CPT).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD 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	
37.210	14.20	---	40.00	12.87	27.07	-12.93	Peak
48.830	15.30	---	40.00	10.96	26.26	-13.74	Peak
50.670	15.10	---	40.00	10.75	25.85	-14.15	Peak
82.480	14.70	---	40.00	10.52	25.22	-14.78	Peak
116.680	20.80	---	43.50	12.23	33.03	-10.47	Peak
! 127.390	25.90	---	43.50	12.59	38.49	-5.01	Peak
127.390	---	23.89	43.50	12.59	36.48	-7.02	QP
129.890	23.70	---	43.50	12.69	36.39	-7.11	Peak
270.470	14.40	---	46.00	21.64	36.04	-9.96	Peak
302.270	15.10	---	46.00	16.52	31.62	-14.38	Peak
347.780	15.40	---	46.00	17.46	32.86	-13.14	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	
401.010	14.10	---	46.00	18.40	32.50	-13.50	Peak
551.400	13.70	---	46.00	20.51	34.21	-11.79	Peak
601.520	14.50	---	46.00	21.25	35.75	-10.25	Peak
676.150	13.60	---	46.00	22.98	36.58	-9.42	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)

Tested by : C C.Wu

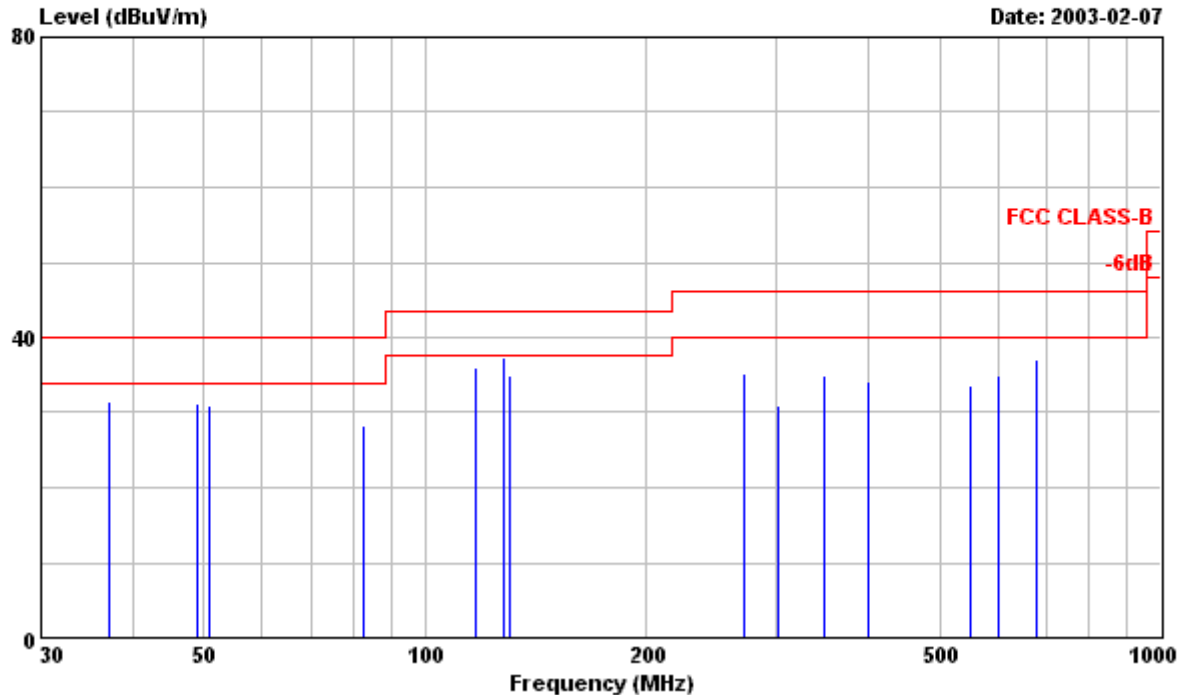


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Data#: 2

File#: C:\Program Files\em3\EMI03-005-R(170B4 CPT).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD 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	
37.210	18.70	---	40.00	12.87	31.57	-8.43	Peak
48.830	20.30	---	40.00	10.96	31.26	-8.74	Peak
50.670	20.10	---	40.00	10.75	30.85	-9.15	Peak
82.480	17.80	---	40.00	10.52	28.32	-11.68	Peak
116.680	23.70	---	43.50	12.23	35.93	-7.57	Peak
127.710	24.60	---	43.50	12.61	37.21	-6.29	Peak
130.370	22.10	---	43.50	12.71	34.81	-8.69	Peak
270.470	13.60	---	46.00	21.64	35.24	-10.76	Peak
302.270	14.40	---	46.00	16.52	30.92	-15.08	Peak
347.780	17.60	---	46.00	17.46	35.06	-10.94	Peak
401.010	15.80	---	46.00	18.40	34.20	-11.80	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	
551.400	13.20	---	46.00	20.51	33.71	-12.29	Peak
601.520	13.60	---	46.00	21.25	34.85	-11.15	Peak
676.150	14.20	---	46.00	22.98	37.18	-8.82	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

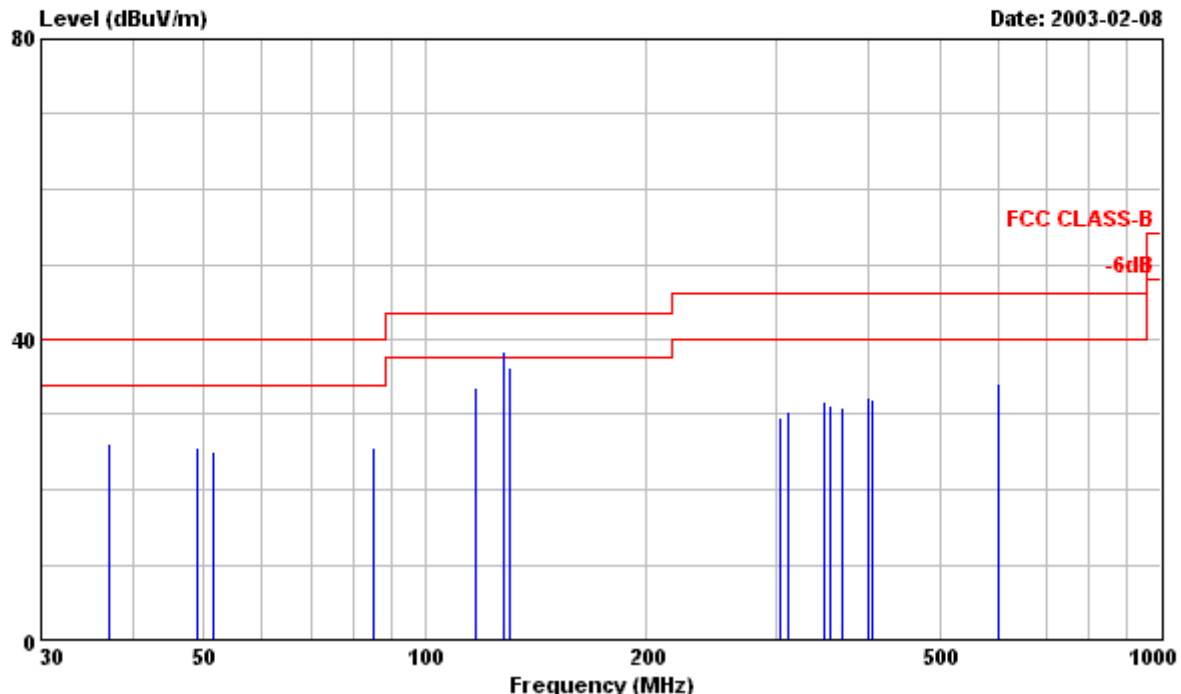


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Data#: 3

File#: C:\Program Files\em3\EMI03-005-R(170B4 CPT).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD 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	
37.030	13.20	---	40.00	12.91	26.11	-13.89	Peak
48.790	14.80	---	40.00	10.96	25.76	-14.24	Peak
51.480	14.40	---	40.00	10.66	25.06	-14.94	Peak
85.030	14.90	---	40.00	10.66	25.56	-14.44	Peak
116.670	21.30	---	43.50	12.23	33.53	-9.97	Peak
! 127.420	25.80	---	43.50	12.59	38.39	-5.11	Peak
127.420	---	24.23	43.50	12.59	36.82	-6.68	QP
130.010	23.50	---	43.50	12.69	36.19	-7.31	Peak
304.340	13.10	---	46.00	16.57	29.67	-16.33	Peak
311.500	13.80	---	46.00	16.71	30.51	-15.49	Peak
347.690	14.40	---	46.00	17.46	31.86	-14.14	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	
354.470	13.50	---	46.00	17.58	31.08	-14.92	Peak
368.800	13.00	---	46.00	17.86	30.86	-15.14	Peak
401.010	13.80	---	46.00	18.40	32.20	-13.80	Peak
405.620	13.50	---	46.00	18.48	31.98	-14.02	Peak
601.520	13.10	---	46.00	21.25	34.35	-11.65	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

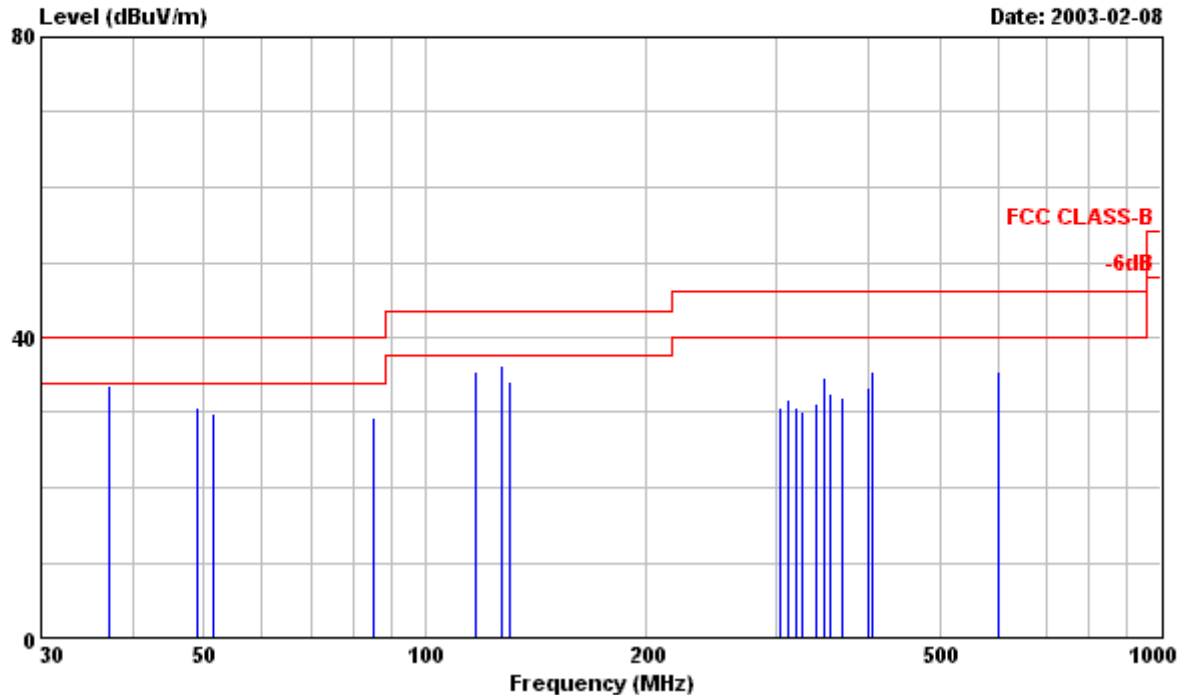


PHILIPS

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Data#: 4

File#: C:\Program Files\em3\EMI03-005-R(170B4 CPT).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD 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	
37.030	20.60	---	40.00	12.91	33.51	-6.49	Peak
48.790	19.80	---	40.00	10.96	30.76	-9.24	Peak
51.480	19.20	---	40.00	10.66	29.86	-10.14	Peak
85.030	18.60	---	40.00	10.66	29.26	-10.74	Peak
116.670	23.20	---	43.50	12.23	35.43	-8.07	Peak
127.170	23.70	---	43.50	12.59	36.29	-7.21	Peak
130.010	21.80	---	43.50	12.69	34.49	-9.01	Peak
304.340	14.20	---	46.00	16.57	30.77	-15.23	Peak
311.500	14.90	---	46.00	16.71	31.61	-14.39	Peak
318.660	13.80	---	46.00	16.88	30.68	-15.32	Peak
325.820	13.20	---	46.00	17.02	30.22	-15.78	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
					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
347.690	17.20	---	46.00	17.46	34.66	-11.34	Peak
354.470	14.90	---	46.00	17.58	32.48	-13.52	Peak
368.800	14.20	---	46.00	17.86	32.06	-13.94	Peak
401.010	14.80	---	46.00	18.40	33.20	-12.80	Peak
405.620	17.00	---	46.00	18.48	35.48	-10.52	Peak
601.520	14.30	---	46.00	21.25	35.55	-10.45	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

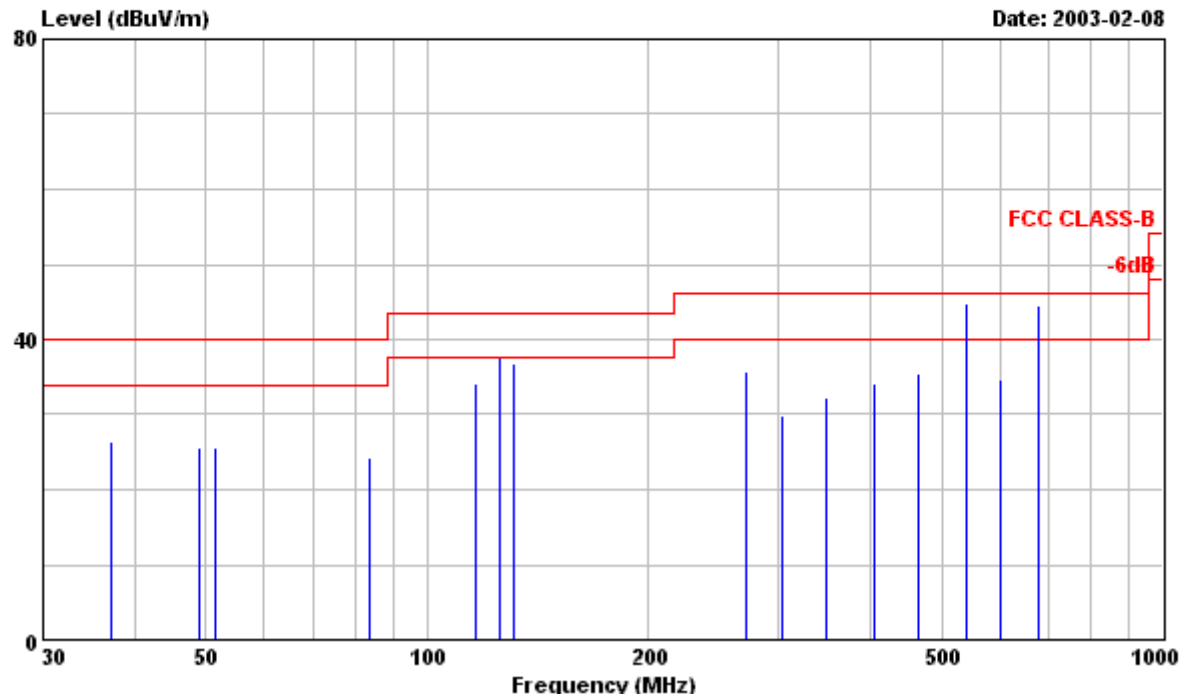


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Data#: 5

File#: C:\Program Files\em3\EMI03-005-R(170B4 CPT).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN DVI I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD 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	
37.170	13.60	---	40.00	12.87	26.47	-13.53	Peak
48.920	14.70	---	40.00	10.96	25.66	-14.34	Peak
51.350	15.20	---	40.00	10.68	25.88	-14.12	Peak
83.460	13.70	---	40.00	10.58	24.28	-15.72	Peak
116.530	21.80	---	43.50	12.23	34.03	-9.47	Peak
! 125.680	25.10	---	43.50	12.53	37.63	-5.87	Peak
125.680	---	22.85	43.50	12.53	35.38	-8.12	QP
130.640	24.00	---	43.50	12.73	36.73	-6.77	Peak
270.470	14.20	---	46.00	21.64	35.84	-10.16	Peak
304.350	13.30	---	46.00	16.57	29.87	-16.13	Peak
348.320	14.80	---	46.00	17.46	32.26	-13.74	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	
405.700	15.60	---	46.00	18.48	34.08	-11.92	Peak
465.800	16.30	---	46.00	19.29	35.59	-10.41	Peak
! 540.930	---	23.01	46.00	20.36	43.37	-2.63	QP
! 540.930	24.50	---	46.00	20.36	44.86	-1.14	Peak
601.020	13.40	---	46.00	21.25	34.65	-11.35	Peak
! 676.140	21.60	---	46.00	22.98	44.58	-1.42	Peak
! 676.140	---	19.37	46.00	22.98	42.35	-3.65	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

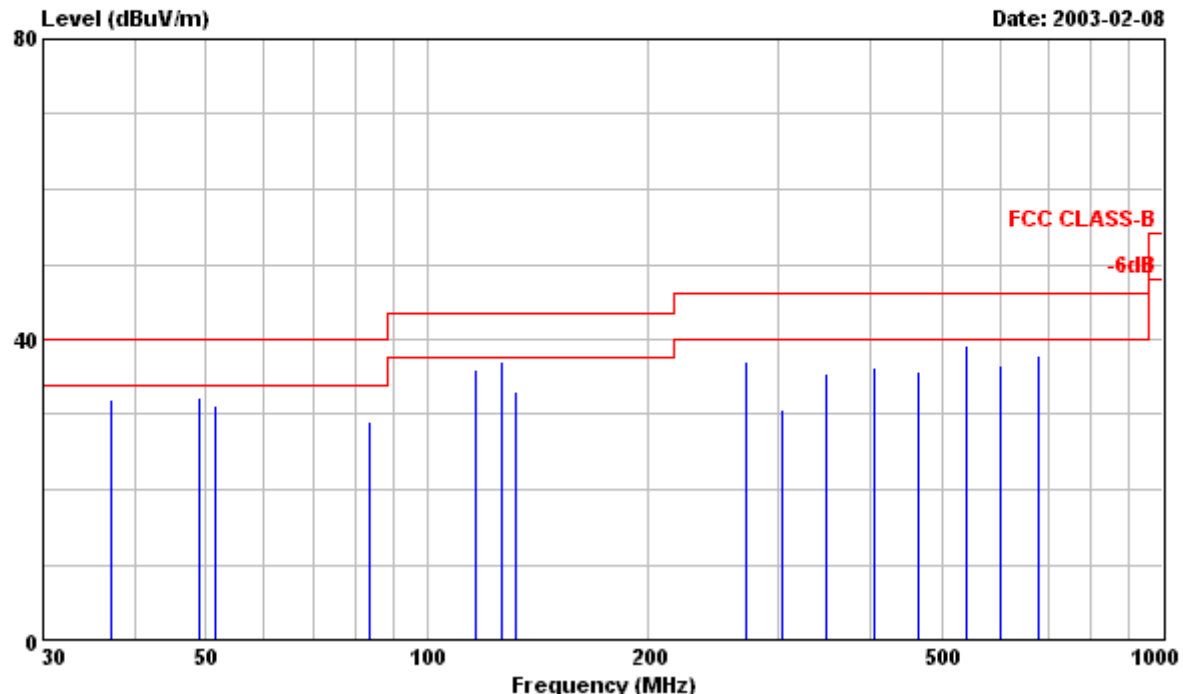


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Data#: 6

File#: C:\Program Files\em3\EMI03-005-R(170B4 CPT).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 170B4 Serial No:TY0212737
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM V1.8
: FONT 16 "H" PATTERN DVI I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1280x1024/75Hz 80KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD 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	
37.170	19.00	---	40.00	12.87	31.87	-8.13	Peak
48.920	21.40	---	40.00	10.96	32.36	-7.64	Peak
51.350	20.62	---	40.00	10.68	31.30	-8.70	Peak
83.460	18.60	---	40.00	10.58	29.18	-10.82	Peak
116.130	23.90	---	43.50	12.21	36.11	-7.39	Peak
126.530	24.50	---	43.50	12.55	37.05	-6.45	Peak
131.460	20.41	---	43.50	12.74	33.15	-10.35	Peak
270.470	15.40	---	46.00	21.64	37.04	-8.96	Peak
304.350	14.00	---	46.00	16.57	30.57	-15.43	Peak
348.320	18.00	---	46.00	17.46	35.46	-10.54	Peak
405.700	17.80	---	46.00	18.48	36.28	-9.72	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	
465.800	16.50	---	46.00	19.29	35.79	-10.21	Peak
540.930	18.90	---	46.00	20.36	39.26	-6.74	Peak
601.020	15.40	---	46.00	21.25	36.65	-9.35	Peak
676.140	14.90	---	46.00	22.98	37.88	-8.12	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