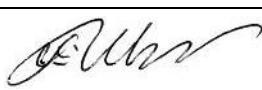




PHILIPS

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.: TYR87-2039 Date : 24 January, 2003 Page : Page 1 of 60
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 : TY0211692(AU panel), TY0212779(QDI panel) 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 : 10 Jan. 2003		
Date of performance of test : 11 Jan., 2003 to 20 Jan., 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, 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

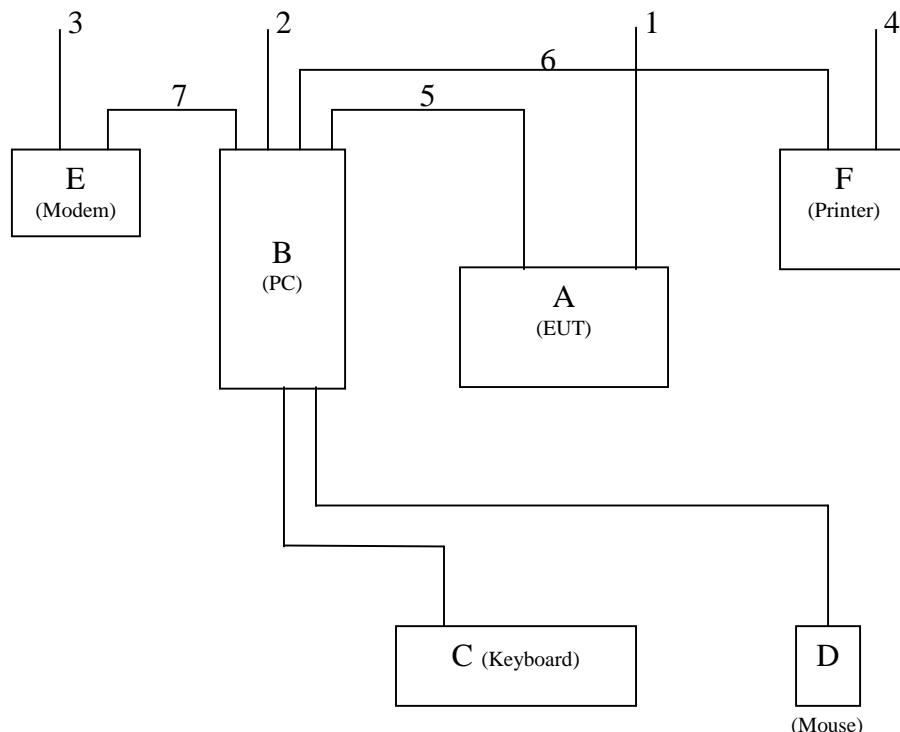
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT "170B4" were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	PHILIPS 170B4	TY0211692 (AU) TY0212779 (QDI)	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	Accex	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	Accex	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	EMI03-002-C (AU panel)	1280x1024	80KHz/75Hz	D-sub & DVI
	EMI03-004-C (QDI panel)	1024x768	60KHz/75Hz	D-sub
Radiated	EMI03-002-R (AU panel)	1280x1024	80KHz/75Hz	D-sub & DVI
	EMI03-004-R (QDI panel)	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

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

: 11 Jan., 2003 to 20 Jan., 2003

Test Engineer

: C.C.Wu

For detail measurement results see next pages.

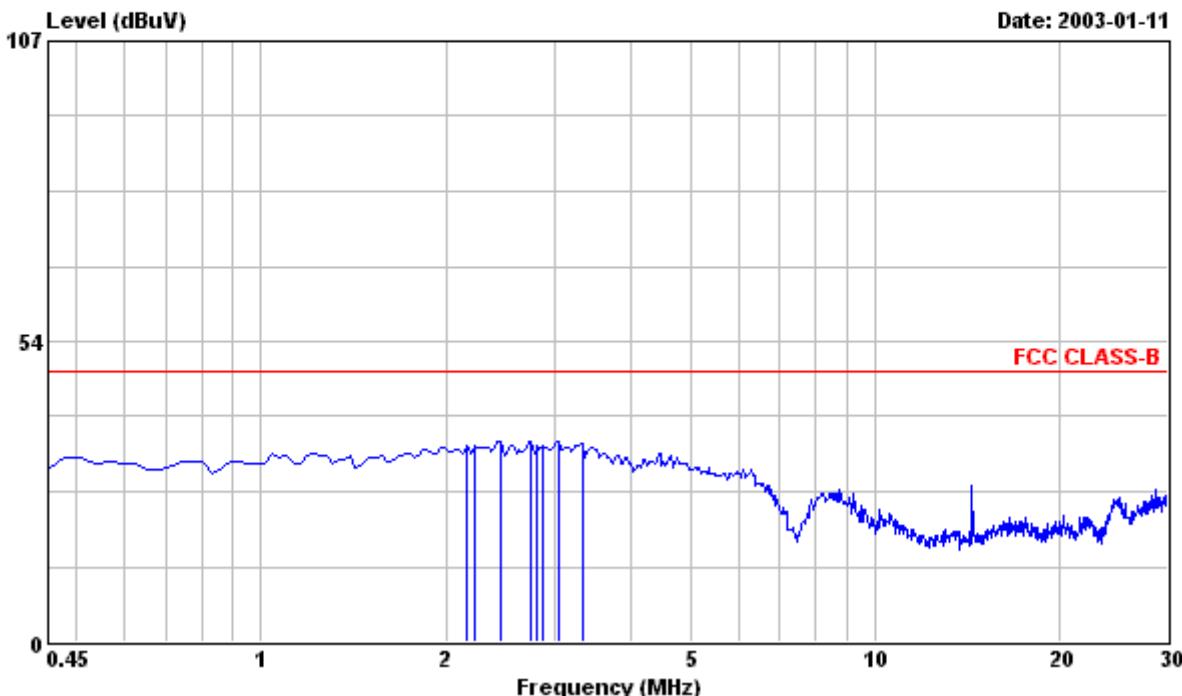


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 1

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.164	34.70	---	48.00	0.40	35.10	-12.90	Peak
2.223	34.50	---	48.00	0.40	34.90	-13.10	Peak
2.459	35.20	---	48.00	0.40	35.60	-12.40	Peak
2.755	35.10	---	48.00	0.40	35.50	-12.50	Peak
2.814	34.50	---	48.00	0.40	34.90	-13.10	Peak
2.873	34.70	---	48.00	0.40	35.10	-12.90	Peak
3.050	35.40	---	48.00	0.40	35.80	-12.20	Peak
3.346	34.90	---	48.00	0.40	35.30	-12.70	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

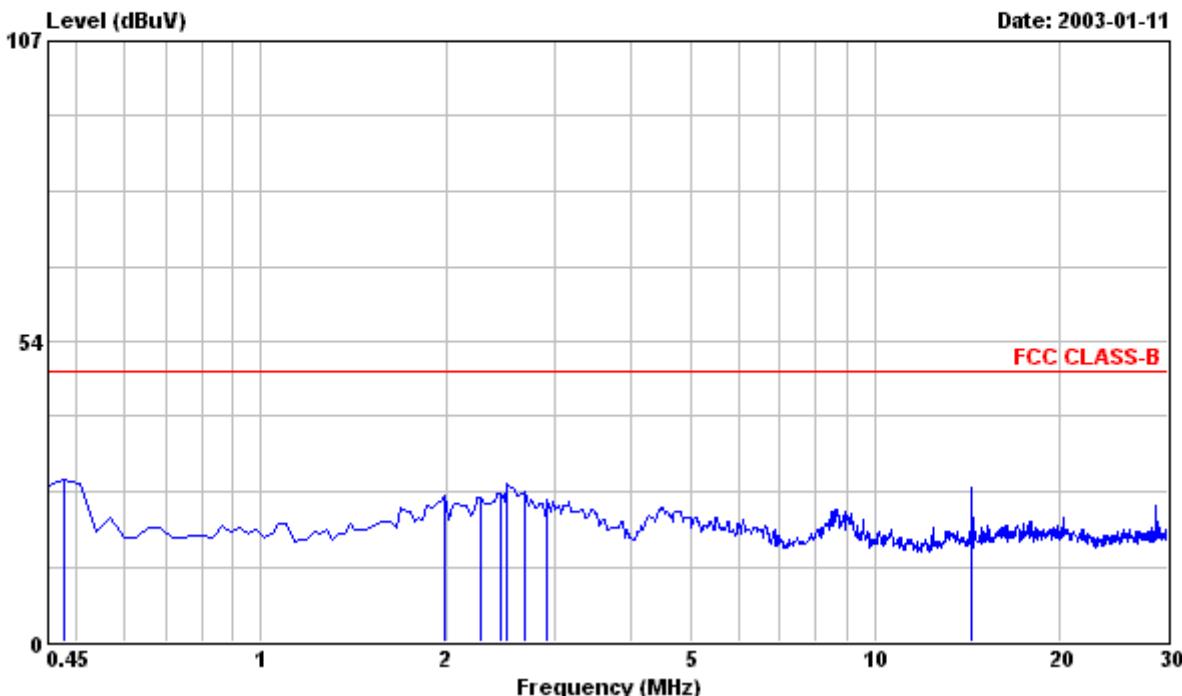


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Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 2

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

0.480	28.80	---	48.00	0.22	29.02	-18.98	Peak
1.987	25.70	---	48.00	0.40	26.10	-21.90	Peak
2.282	25.40	---	48.00	0.40	25.80	-22.20	Peak
2.459	26.10	---	48.00	0.40	26.50	-21.50	Peak
2.519	27.80	---	48.00	0.40	28.20	-19.80	Peak
2.696	26.30	---	48.00	0.40	26.70	-21.30	Peak
2.932	24.90	---	48.00	0.40	25.30	-22.70	Peak
14.398	26.70	---	48.00	0.69	27.39	-20.61	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

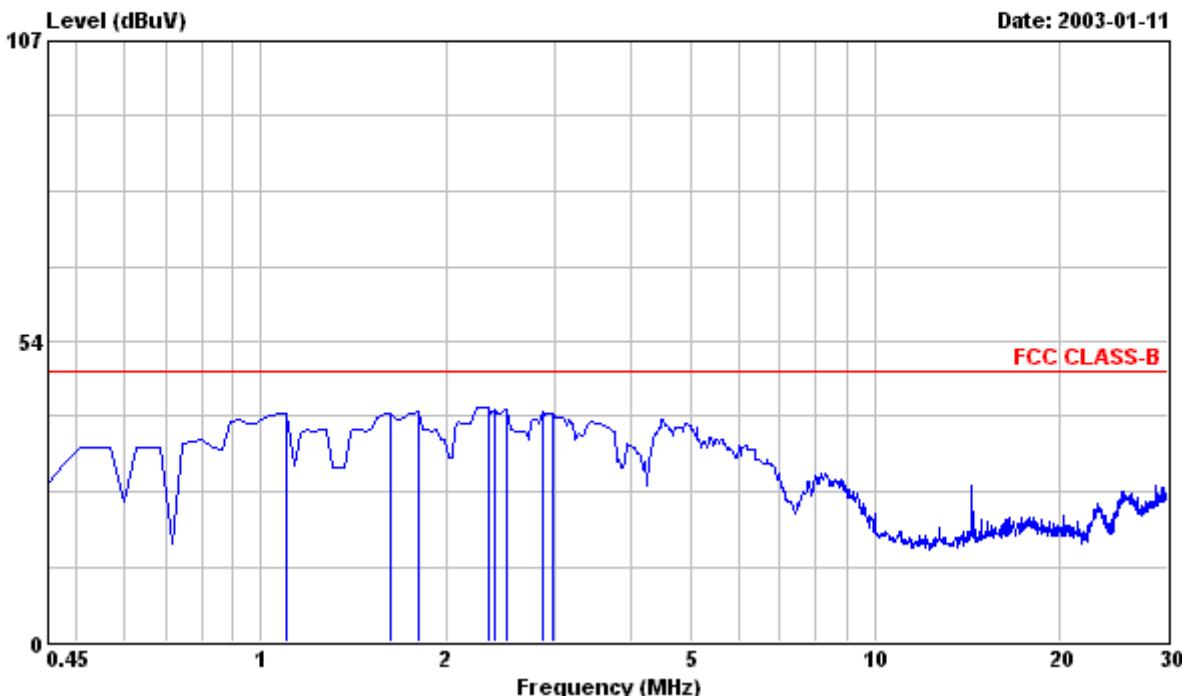


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Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

LINE

1.100	40.30	---	48.00	0.40	40.70	-7.30	Peak
1.632	40.20	---	48.00	0.40	40.60	-7.40	Peak
1.809	40.50	---	48.00	0.40	40.90	-7.10	Peak
2.341	41.40	---	48.00	0.40	41.80	-6.20	Peak
2.400	41.00	---	48.00	0.40	41.40	-6.60	Peak
2.519	41.00	---	48.00	0.40	41.40	-6.60	Peak
2.873	40.50	---	48.00	0.40	40.90	-7.10	Peak
2.991	40.40	---	48.00	0.40	40.80	-7.20	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

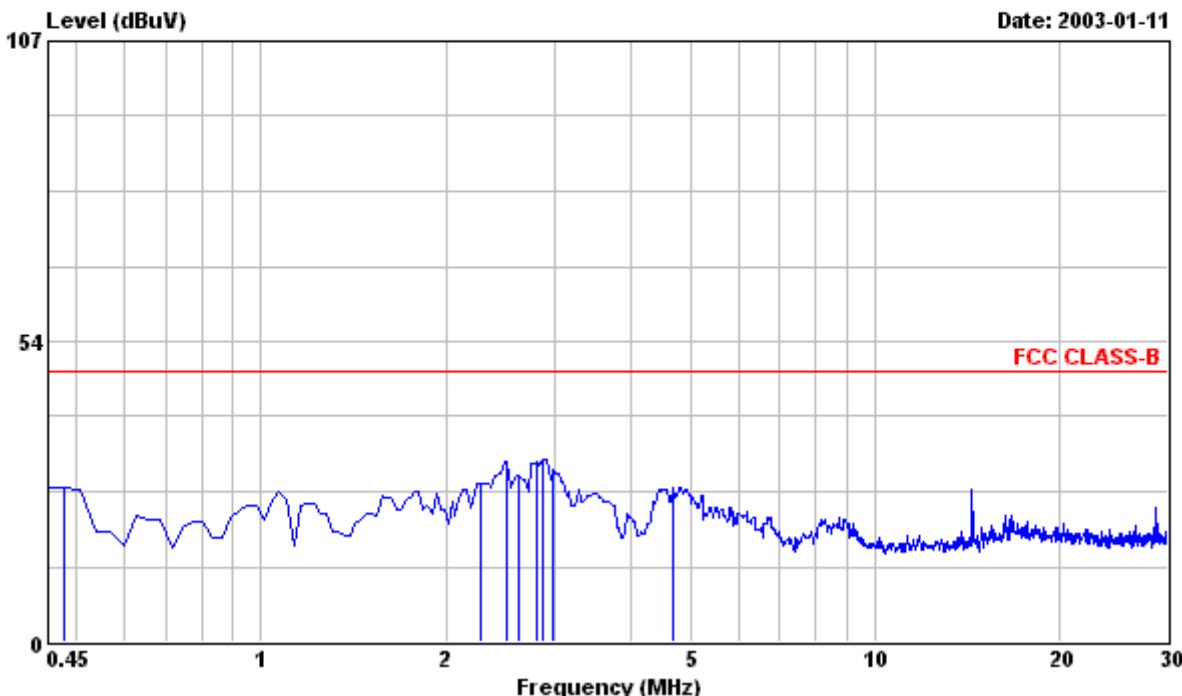


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

0.480	27.40	---	48.00	0.22	27.62	-20.38	Peak
2.282	27.90	---	48.00	0.40	28.30	-19.70	Peak
2.519	31.60	---	48.00	0.40	32.00	-16.00	Peak
2.637	29.10	---	48.00	0.40	29.50	-18.50	Peak
2.814	31.70	---	48.00	0.40	32.10	-15.90	Peak
2.873	32.10	---	48.00	0.40	32.50	-15.50	Peak
2.991	30.20	---	48.00	0.40	30.60	-17.40	Peak
4.676	27.30	---	48.00	0.33	27.63	-20.37	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

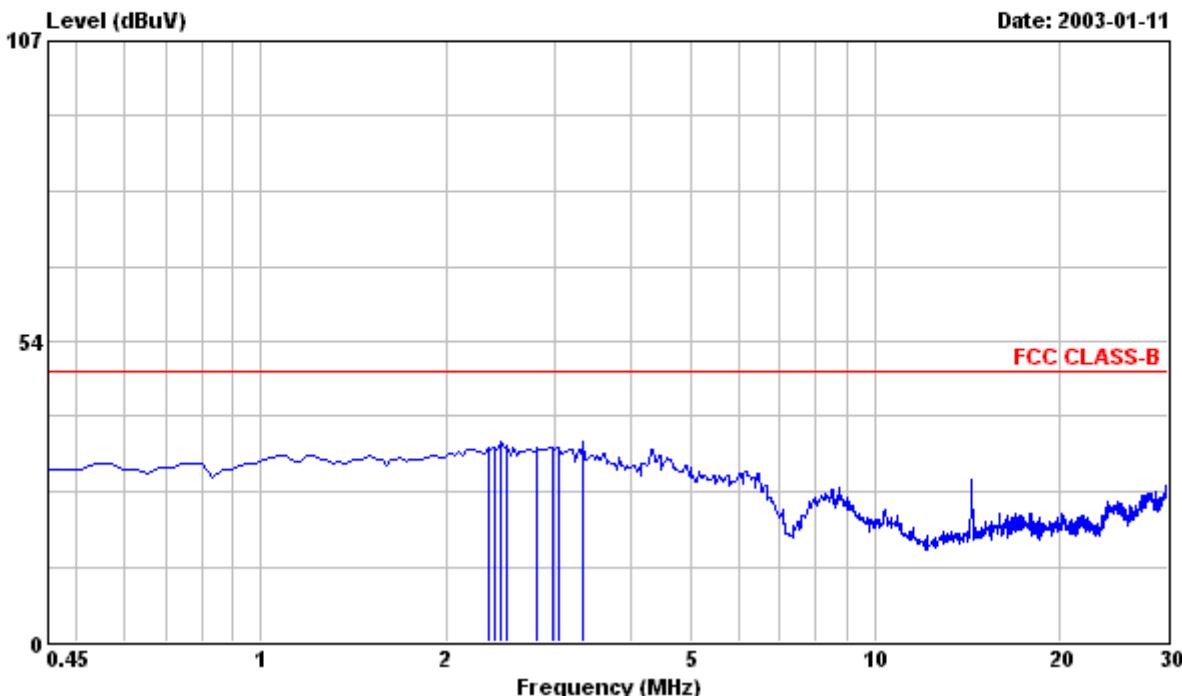


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Philips Electronics Industries (Taiwan) Ltd.
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Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 5

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.341	34.20	---	48.00	0.40	34.60	-13.40	Peak
2.400	34.20	---	48.00	0.40	34.60	-13.40	Peak
2.459	35.20	---	48.00	0.40	35.60	-12.40	Peak
2.519	34.50	---	48.00	0.40	34.90	-13.10	Peak
2.814	34.20	---	48.00	0.40	34.60	-13.40	Peak
2.991	34.20	---	48.00	0.40	34.60	-13.40	Peak
3.050	34.30	---	48.00	0.40	34.70	-13.30	Peak
3.346	35.30	---	48.00	0.40	35.70	-12.30	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

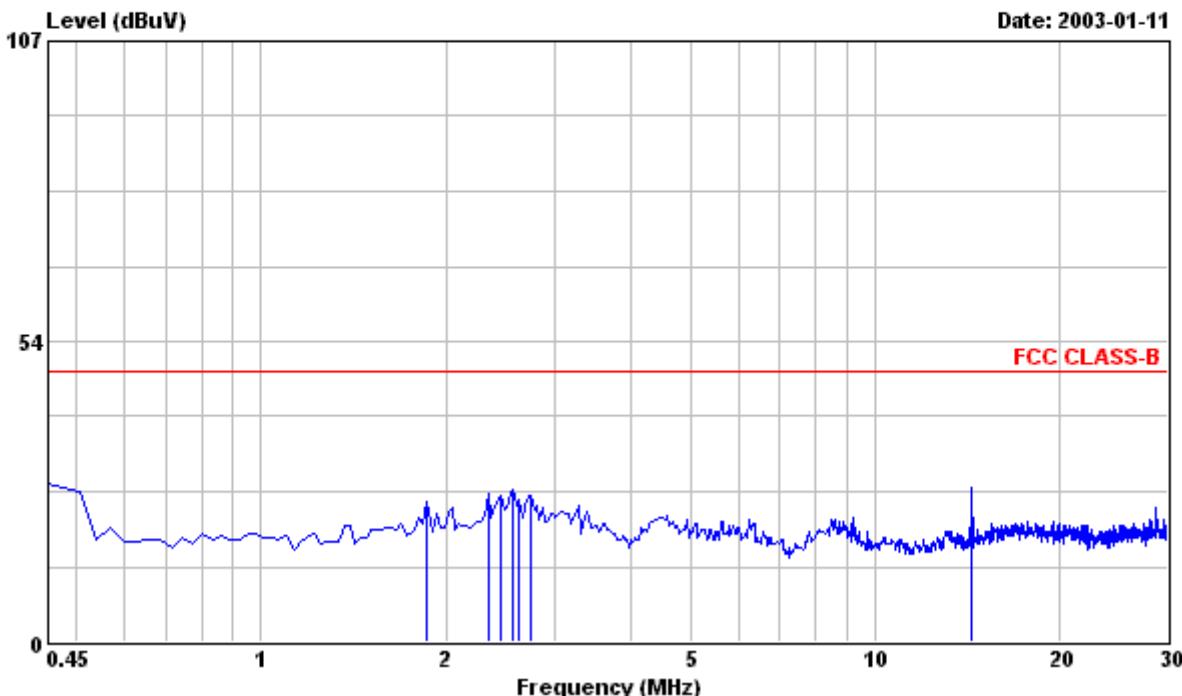


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Philips Electronics Industries (Taiwan) Ltd.
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Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 6

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

0.450	27.90	---	48.00	0.20	28.10	-19.90	Peak
1.868	24.40	---	48.00	0.40	24.80	-23.20	Peak
2.341	26.00	---	48.00	0.40	26.40	-21.60	Peak
2.459	25.80	---	48.00	0.40	26.20	-21.80	Peak
2.578	26.70	---	48.00	0.40	27.10	-20.90	Peak
2.637	25.00	---	48.00	0.40	25.40	-22.60	Peak
2.755	25.60	---	48.00	0.40	26.00	-22.00	Peak
14.398	26.60	---	48.00	0.69	27.29	-20.71	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

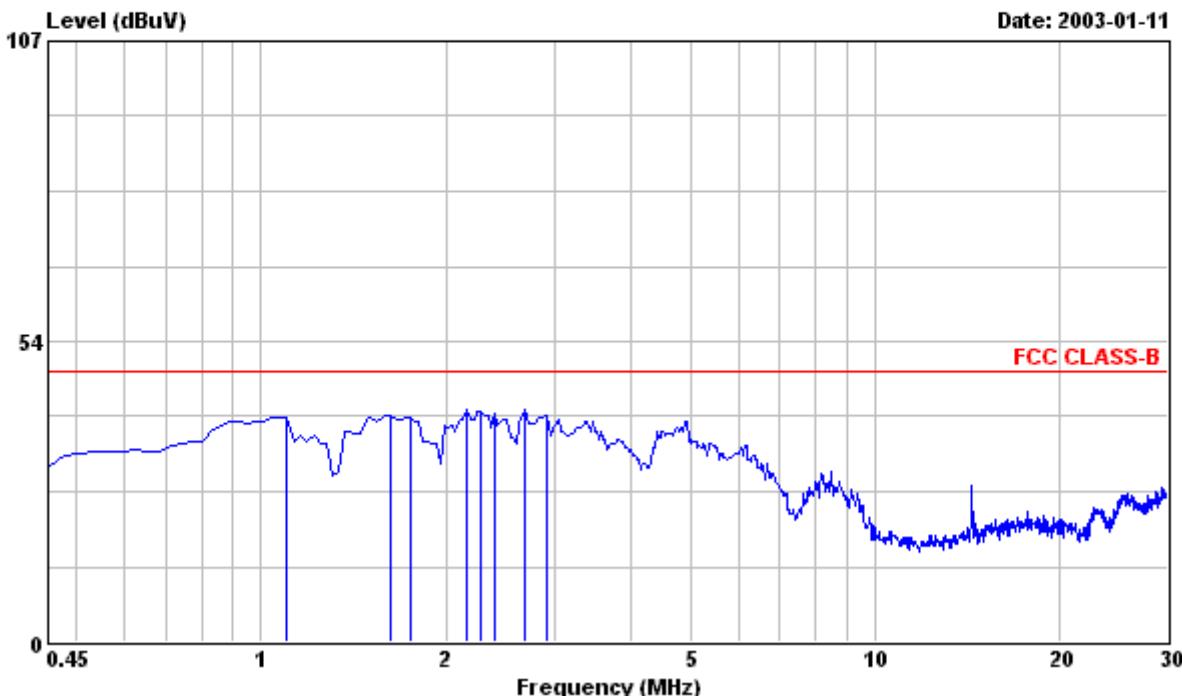


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 7

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

1.100	39.50	---	48.00	0.40	39.90	-8.10	Peak
1.632	39.80	---	48.00	0.40	40.20	-7.80	Peak
1.750	39.60	---	48.00	0.40	40.00	-8.00	Peak
2.164	40.90	---	48.00	0.40	41.30	-6.70	Peak
2.282	40.50	---	48.00	0.40	40.90	-7.10	Peak
2.400	40.10	---	48.00	0.40	40.50	-7.50	Peak
2.696	41.00	---	48.00	0.40	41.40	-6.60	Peak
2.932	39.80	---	48.00	0.40	40.20	-7.80	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

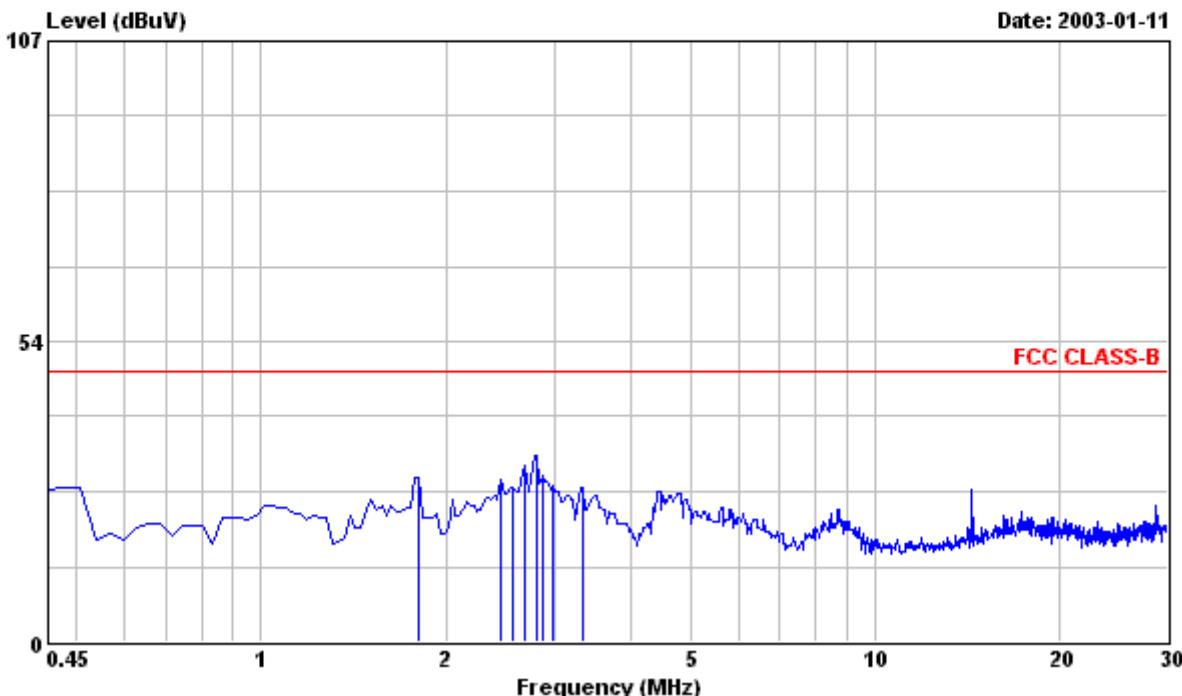


PHILIPS

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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 8

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

1.809	28.80	---	48.00	0.40	29.20	-18.80	Peak
2.459	28.60	---	48.00	0.40	29.00	-19.00	Peak
2.578	27.10	---	48.00	0.40	27.50	-20.50	Peak
2.696	31.00	---	48.00	0.40	31.40	-16.60	Peak
2.814	32.60	---	48.00	0.40	33.00	-15.00	Peak
2.873	29.20	---	48.00	0.40	29.60	-18.40	Peak
2.991	27.30	---	48.00	0.40	27.70	-20.30	Peak
3.346	27.00	---	48.00	0.40	27.40	-20.60	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

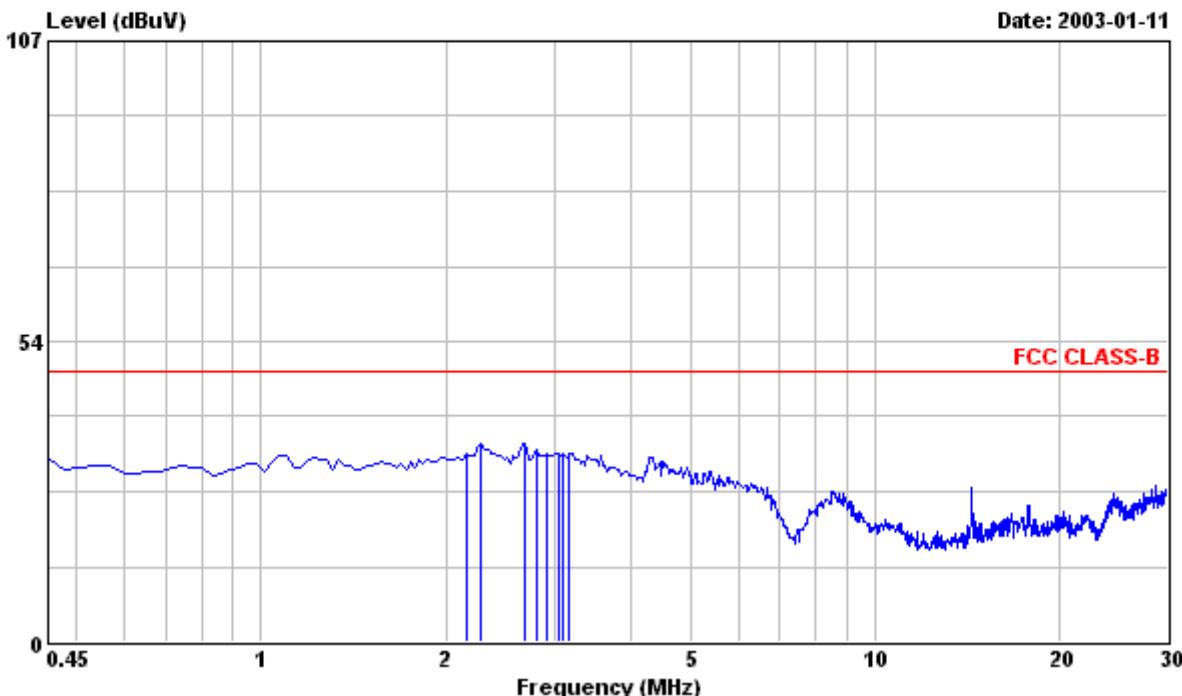


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Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 9

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.164	33.30	---	48.00	0.40	33.70	-14.30	Peak
2.282	34.80	---	48.00	0.40	35.20	-12.80	Peak
2.696	35.00	---	48.00	0.40	35.40	-12.60	Peak
2.814	33.90	---	48.00	0.40	34.30	-13.70	Peak
2.932	33.10	---	48.00	0.40	33.50	-14.50	Peak
3.050	33.30	---	48.00	0.40	33.70	-14.30	Peak
3.110	33.00	---	48.00	0.40	33.40	-14.60	Peak
3.169	33.10	---	48.00	0.40	33.50	-14.50	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

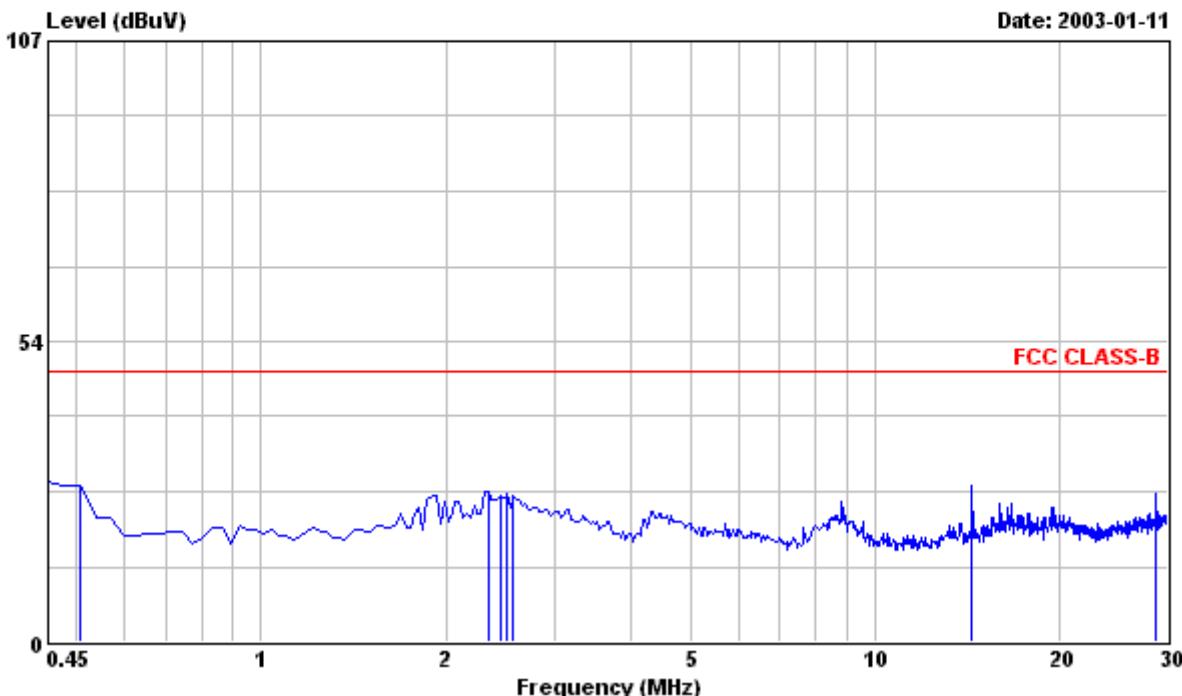


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 10

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

0.450	28.20	---	48.00	0.20	28.40	-19.60	Peak
0.509	27.60	---	48.00	0.23	27.83	-20.17	Peak
2.341	26.50	---	48.00	0.40	26.90	-21.10	Peak
2.459	25.80	---	48.00	0.40	26.20	-21.80	Peak
2.519	25.90	---	48.00	0.40	26.30	-21.70	Peak
2.578	25.80	---	48.00	0.40	26.20	-21.80	Peak
14.398	27.00	---	48.00	0.69	27.69	-20.31	Peak
28.759	25.50	---	48.00	0.92	26.42	-21.58	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

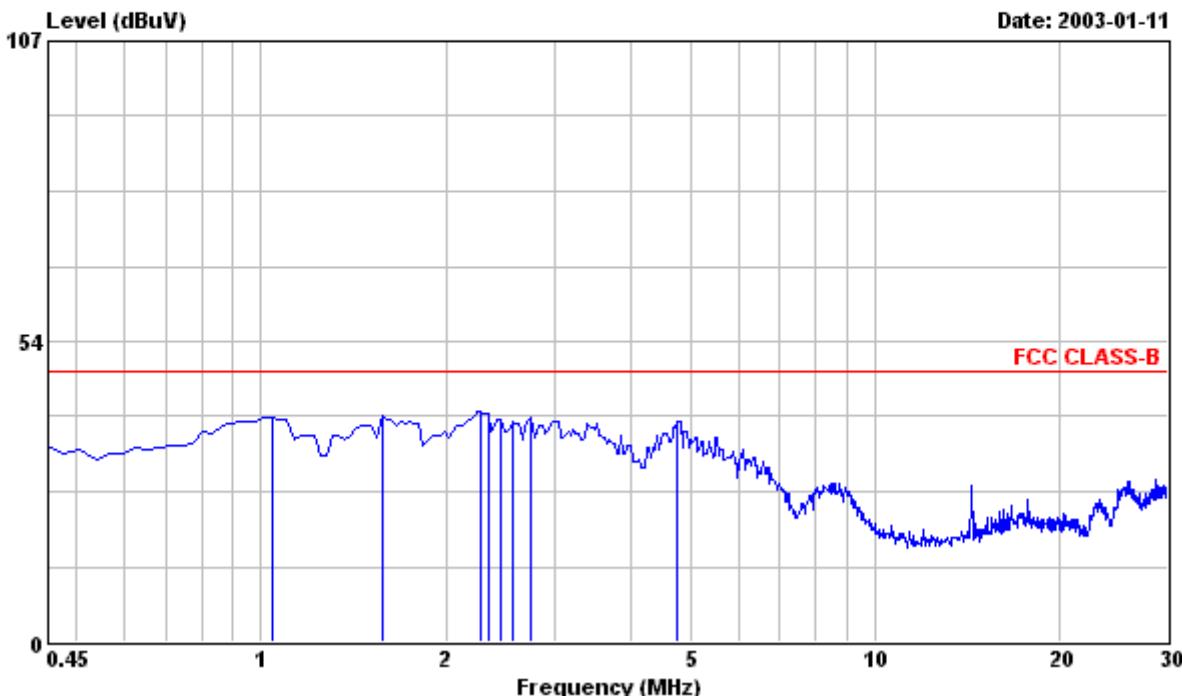


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 11

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

LINE

1.041	39.70	---	48.00	0.40	40.10	-7.90	Peak
1.573	40.00	---	48.00	0.40	40.40	-7.60	Peak
2.282	40.50	---	48.00	0.40	40.90	-7.10	Peak
2.341	40.40	---	48.00	0.40	40.80	-7.20	Peak
2.459	39.20	---	48.00	0.40	39.60	-8.40	Peak
2.578	38.80	---	48.00	0.40	39.20	-8.80	Peak
2.755	39.70	---	48.00	0.40	40.10	-7.90	Peak
4.764	39.00	---	48.00	0.32	39.32	-8.68	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

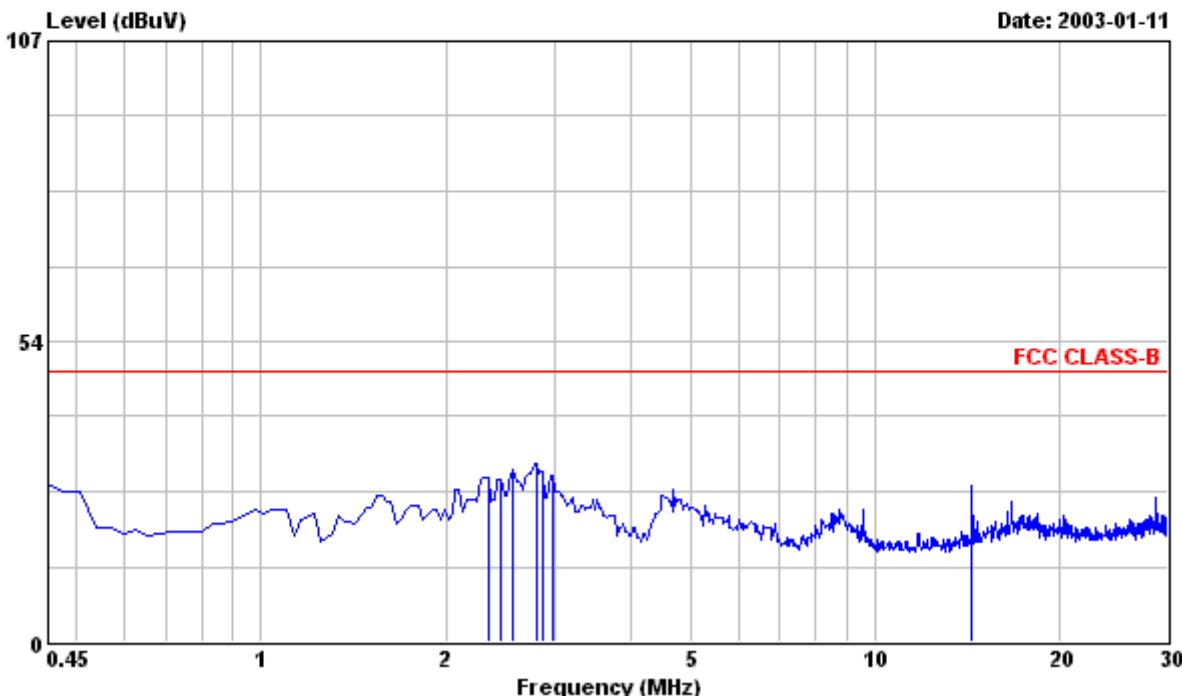


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 12

File#: C:\Program Files\em3\EMI03-002-C(Philips 170B4).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0211692
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

0.450	28.00	---	48.00	0.20	28.20	-19.80	Peak
2.341	28.70	---	48.00	0.40	29.10	-18.90	Peak
2.459	28.60	---	48.00	0.40	29.00	-19.00	Peak
2.578	30.30	---	48.00	0.40	30.70	-17.30	Peak
2.814	31.40	---	48.00	0.40	31.80	-16.20	Peak
2.873	29.90	---	48.00	0.40	30.30	-17.70	Peak
2.991	29.30	---	48.00	0.40	29.70	-18.30	Peak
14.398	27.10	---	48.00	0.69	27.79	-20.21	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

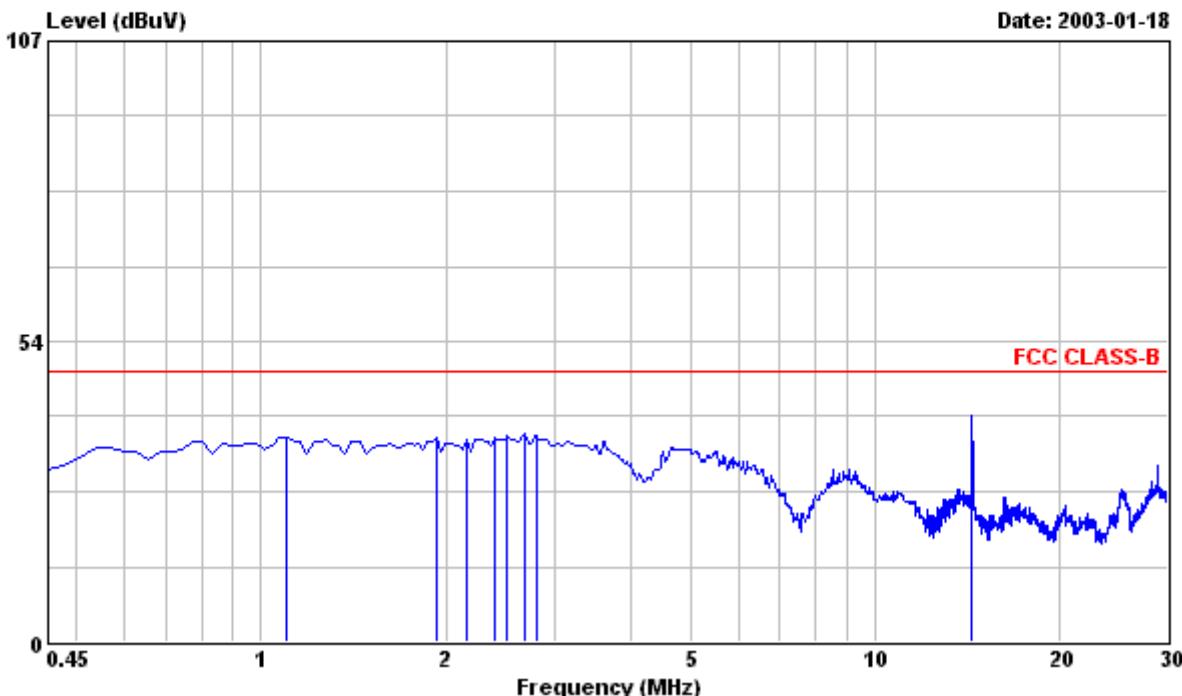


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 1

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Factor	Emission Level	Over Limit	Remark
LINE						
1.100	35.90	---	48.00 0.40	36.30	-11.70	Peak
1.928	35.90	---	48.00 0.40	36.30	-11.70	Peak
2.164	35.80	---	48.00 0.40	36.20	-11.80	Peak
2.400	36.10	---	48.00 0.40	36.50	-11.50	Peak
2.519	36.50	---	48.00 0.40	36.90	-11.10	Peak
2.696	36.80	---	48.00 0.40	37.20	-10.80	Peak
2.814	36.30	---	48.00 0.40	36.70	-11.30	Peak
14.398	39.50	---	48.00 0.69	40.19	-7.81	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

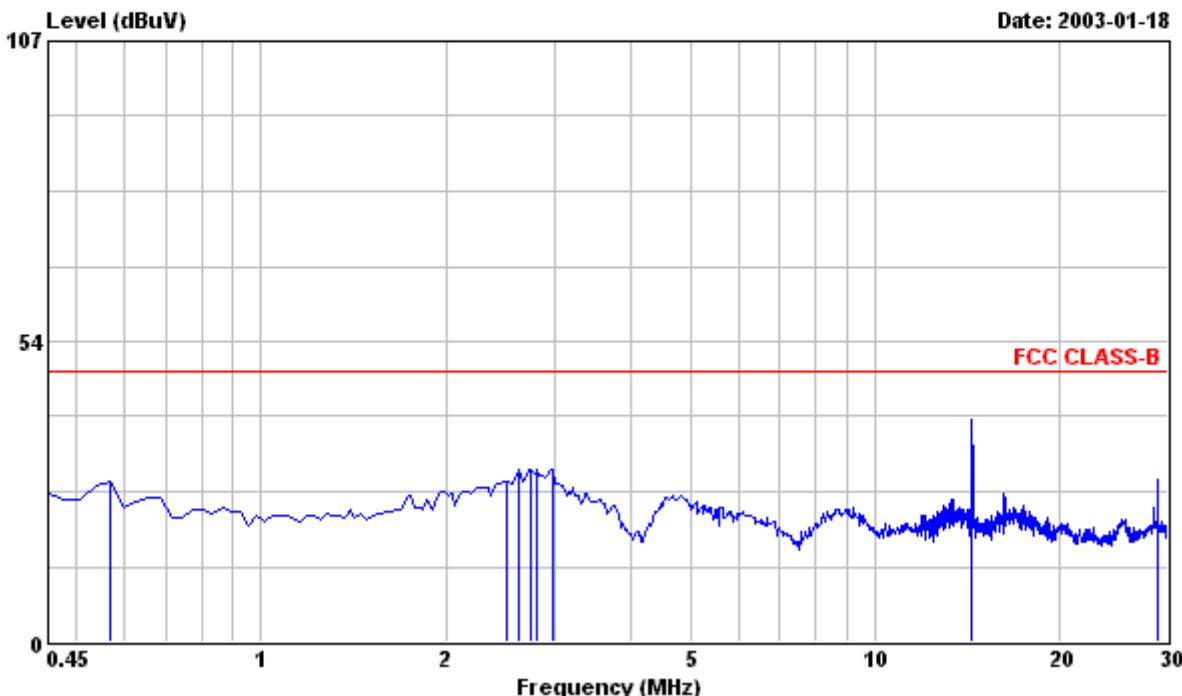


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 2

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

0.568	28.10	---	48.00	0.26	28.36	-19.64	Peak
2.519	28.00	---	48.00	0.40	28.40	-19.60	Peak
2.637	30.10	---	48.00	0.40	30.50	-17.50	Peak
2.755	30.10	---	48.00	0.40	30.50	-17.50	Peak
2.814	30.10	---	48.00	0.40	30.50	-17.50	Peak
2.991	30.40	---	48.00	0.40	30.80	-17.20	Peak
14.398	39.00	---	48.00	0.69	39.69	-8.31	Peak
28.818	28.10	---	48.00	0.92	29.02	-18.98	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

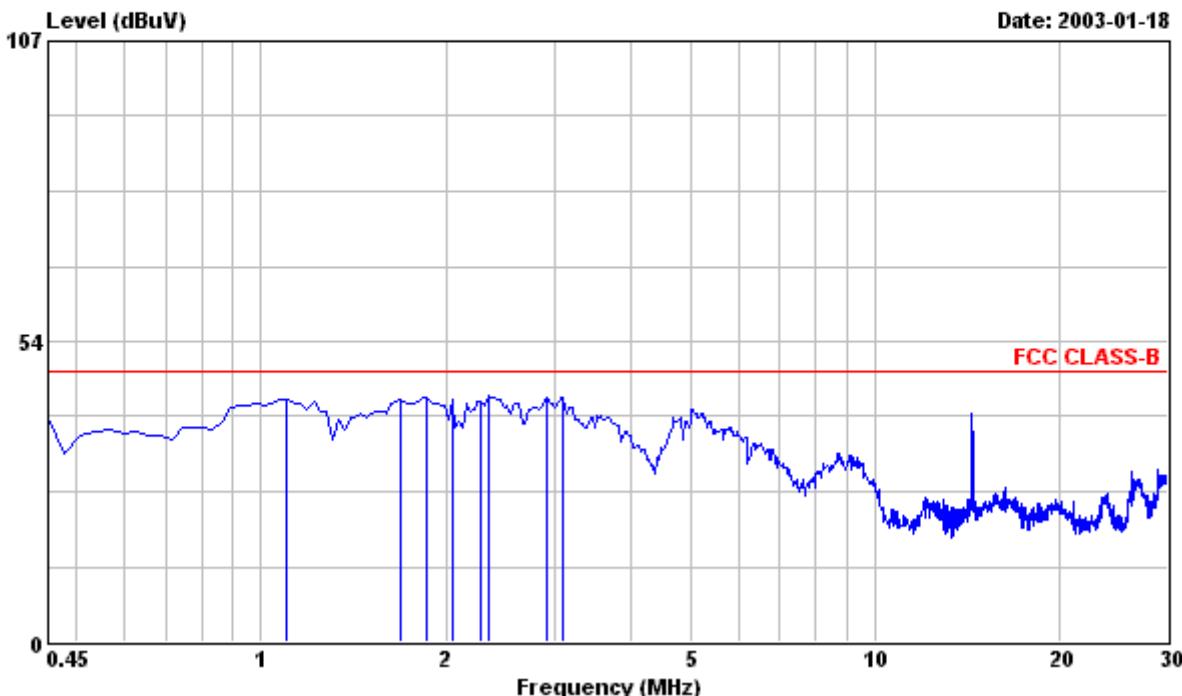


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

LINE

1.100	42.90	---	48.00	0.40	43.30	-4.70	Peak
1.691	42.70	---	48.00	0.40	43.10	-4.90	Peak
1.868	43.00	---	48.00	0.40	43.40	-4.60	Peak
2.046	42.70	---	48.00	0.40	43.10	-4.90	Peak
2.282	42.50	---	48.00	0.40	42.90	-5.10	Peak
2.341	43.30	---	48.00	0.40	43.70	-4.30	Peak
2.932	43.00	---	48.00	0.40	43.40	-4.60	Peak
3.110	43.10	---	48.00	0.40	43.50	-4.50	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

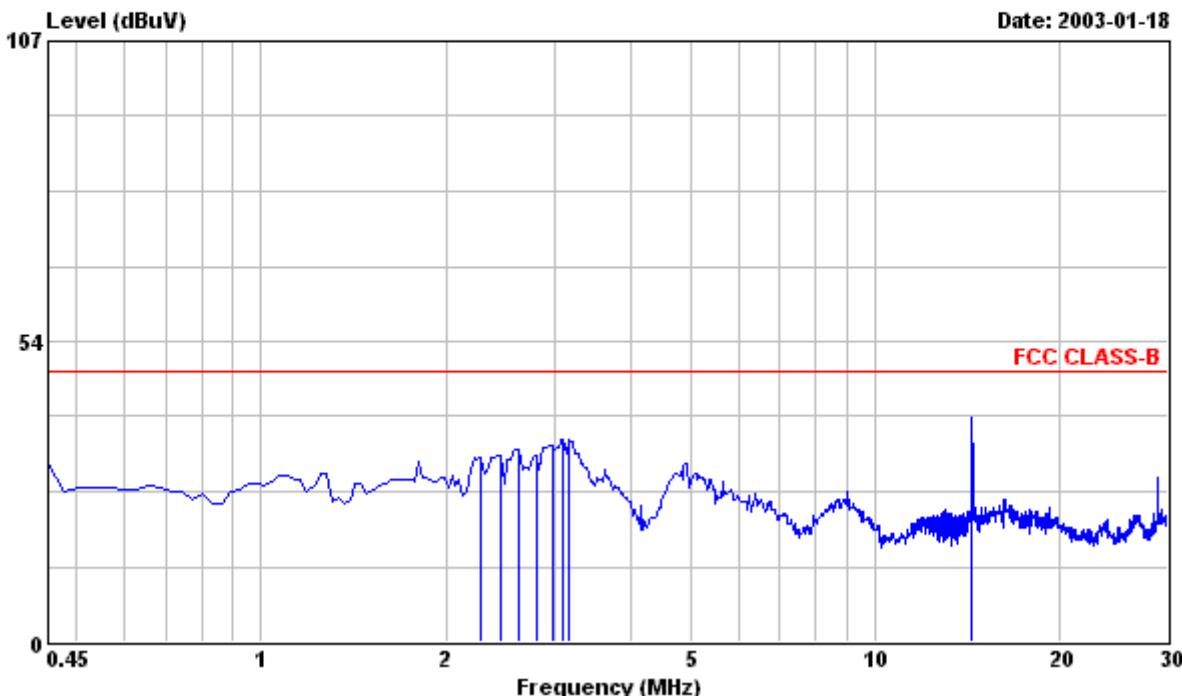


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.282	32.50	---	48.00	0.40	32.90	-15.10	Peak
2.459	32.60	---	48.00	0.40	33.00	-15.00	Peak
2.637	33.80	---	48.00	0.40	34.20	-13.80	Peak
2.814	32.60	---	48.00	0.40	33.00	-15.00	Peak
2.991	34.70	---	48.00	0.40	35.10	-12.90	Peak
3.110	35.70	---	48.00	0.40	36.10	-11.90	Peak
3.169	35.80	---	48.00	0.40	36.20	-11.80	Peak
14.398	39.20	---	48.00	0.69	39.89	-8.11	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

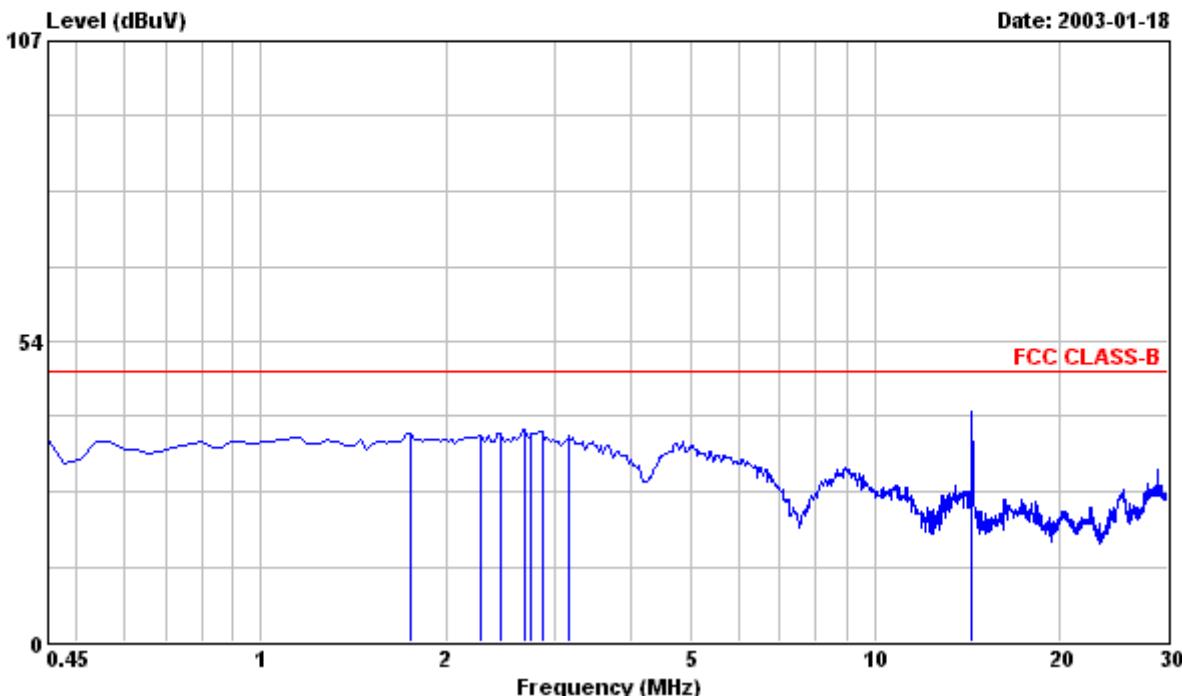


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 5

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

LINE

1.750	36.60	---	48.00	0.40	37.00	-11.00	Peak
2.282	36.30	---	48.00	0.40	36.70	-11.30	Peak
2.459	36.60	---	48.00	0.40	37.00	-11.00	Peak
2.696	37.40	---	48.00	0.40	37.80	-10.20	Peak
2.755	36.80	---	48.00	0.40	37.20	-10.80	Peak
2.873	37.10	---	48.00	0.40	37.50	-10.50	Peak
3.169	36.40	---	48.00	0.40	36.80	-11.20	Peak
14.398	40.20	---	48.00	0.69	40.89	-7.11	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

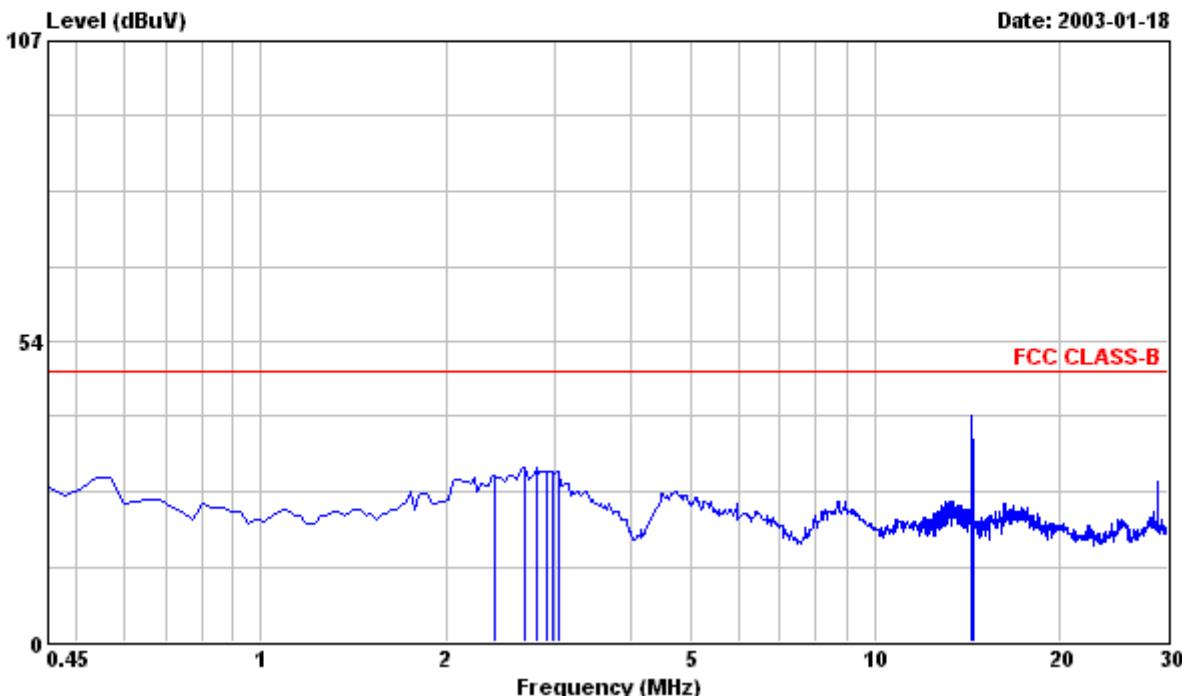


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 6

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.400	29.20	---	48.00	0.40	29.60	-18.40	Peak
2.696	30.60	---	48.00	0.40	31.00	-17.00	Peak
2.814	30.60	---	48.00	0.40	31.00	-17.00	Peak
2.932	29.90	---	48.00	0.40	30.30	-17.70	Peak
2.991	29.90	---	48.00	0.40	30.30	-17.70	Peak
3.050	29.80	---	48.00	0.40	30.20	-17.80	Peak
14.398	39.60	---	48.00	0.69	40.29	-7.71	Peak
14.457	31.40	---	48.00	0.69	32.09	-15.91	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

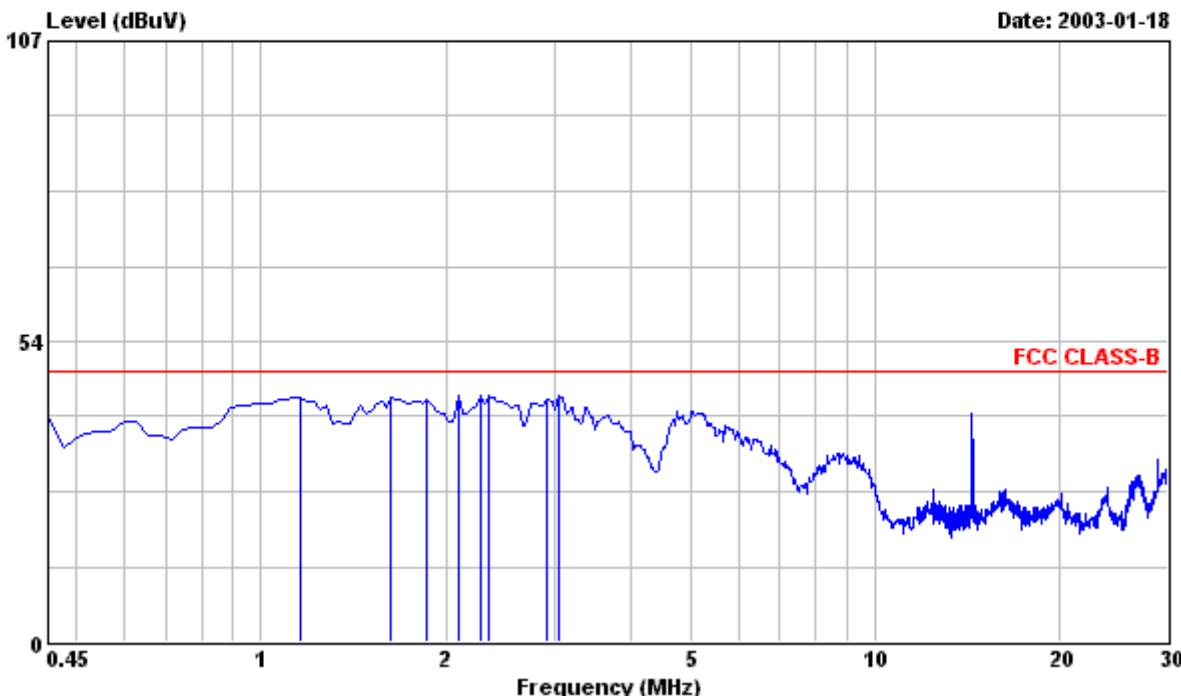


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 7

File#: C:\Program Files\e3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

1.159	43.10	---	48.00	0.40	43.50	-4.50	Peak
1.632	43.00	---	48.00	0.40	43.40	-4.60	Peak
1.868	42.60	---	48.00	0.40	43.00	-5.00	Peak
2.105	43.30	---	48.00	0.40	43.70	-4.30	Peak
2.282	43.50	---	48.00	0.40	43.90	-4.10	Peak
2.341	43.50	---	48.00	0.40	43.90	-4.10	Peak
2.932	42.60	---	48.00	0.40	43.00	-5.00	Peak
3.050	43.30	---	48.00	0.40	43.70	-4.30	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

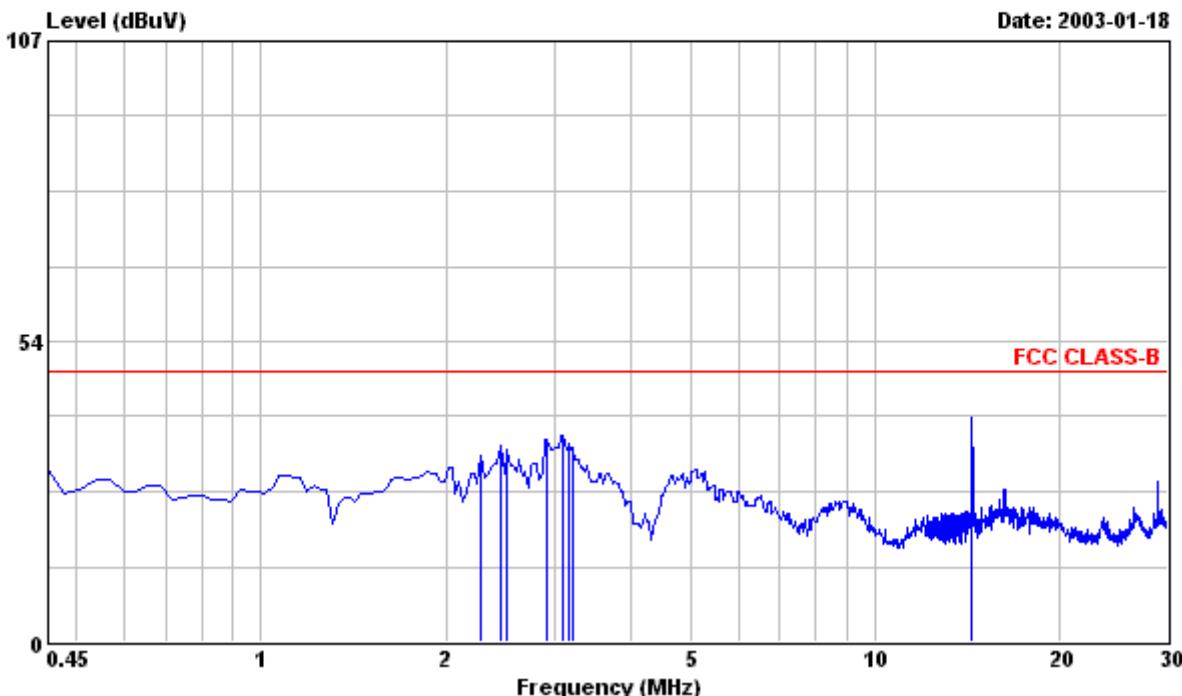


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 8

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.282	32.90	---	48.00	0.40	33.30	-14.70	Peak
2.459	34.40	---	48.00	0.40	34.80	-13.20	Peak
2.519	34.00	---	48.00	0.40	34.40	-13.60	Peak
2.932	35.50	---	48.00	0.40	35.90	-12.10	Peak
3.110	36.40	---	48.00	0.40	36.80	-11.20	Peak
3.169	35.00	---	48.00	0.40	35.40	-12.60	Peak
3.228	34.20	---	48.00	0.40	34.60	-13.40	Peak
14.398	39.20	---	48.00	0.69	39.89	-8.11	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

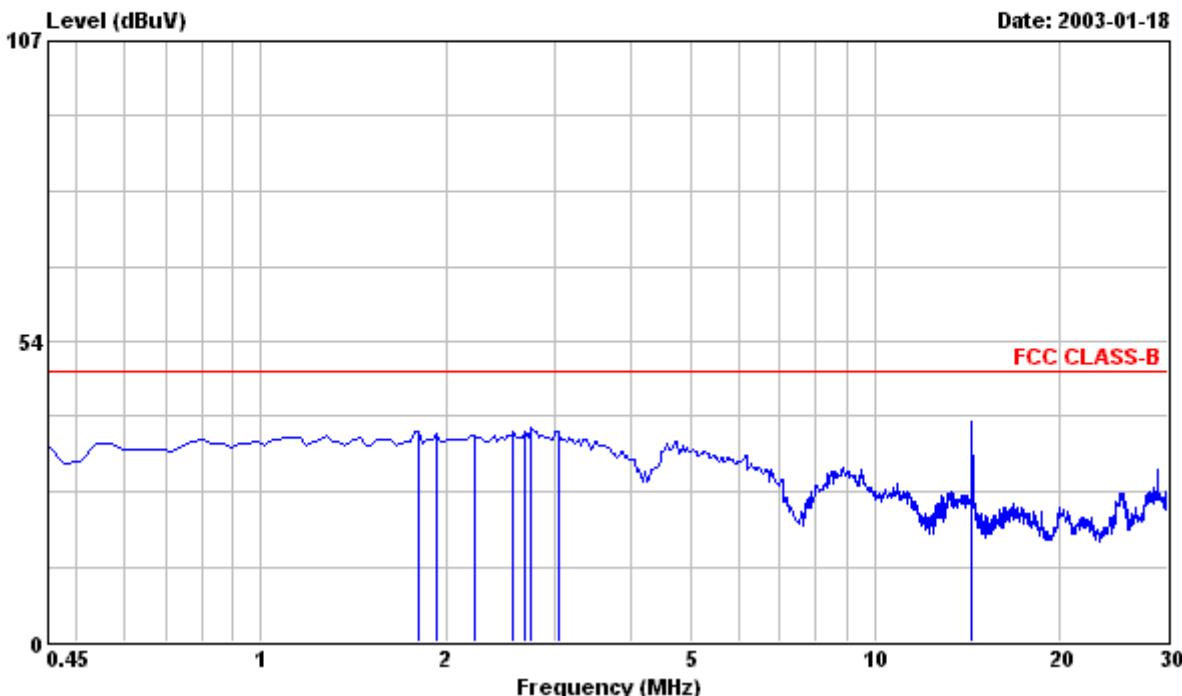


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 9

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

1.809	36.90	---	48.00	0.40	37.30	-10.70	Peak
1.928	36.70	---	48.00	0.40	37.10	-10.90	Peak
2.223	36.40	---	48.00	0.40	36.80	-11.20	Peak
2.578	37.10	---	48.00	0.40	37.50	-10.50	Peak
2.696	37.20	---	48.00	0.40	37.60	-10.40	Peak
2.755	37.70	---	48.00	0.40	38.10	-9.90	Peak
3.050	36.90	---	48.00	0.40	37.30	-10.70	Peak
14.398	38.50	---	48.00	0.69	39.19	-8.81	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

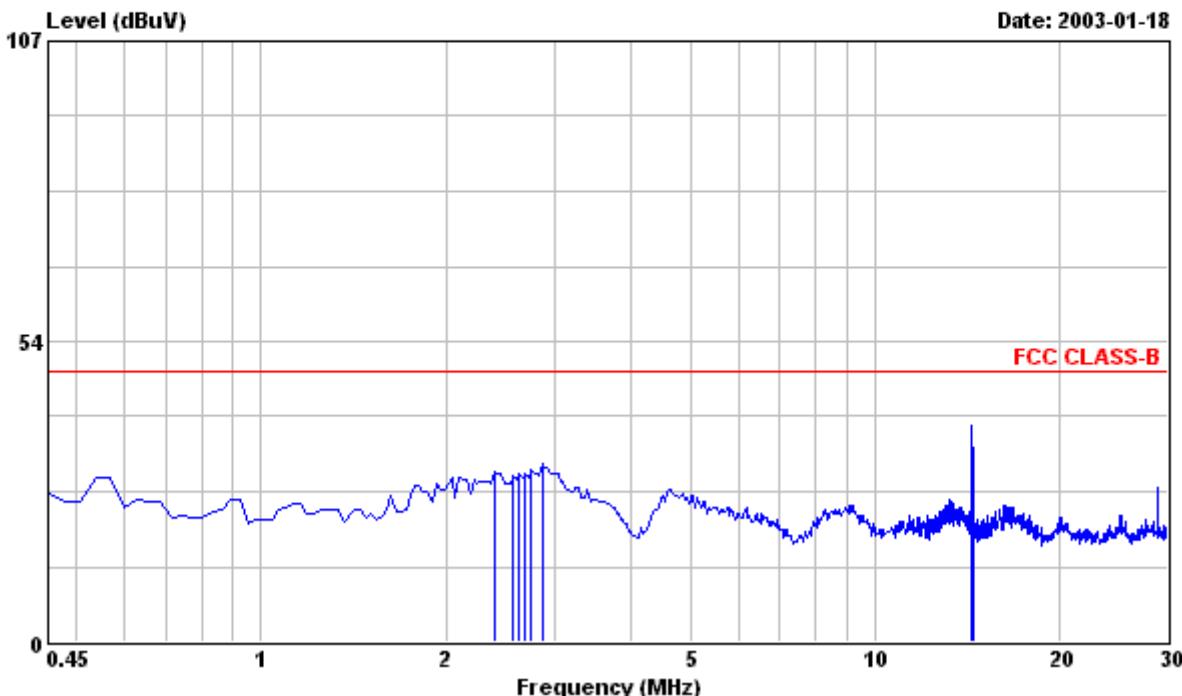


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 10

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.400	29.90	---	48.00	0.40	30.30	-17.70	Peak
2.578	29.20	---	48.00	0.40	29.60	-18.40	Peak
2.637	29.70	---	48.00	0.40	30.10	-17.90	Peak
2.696	29.40	---	48.00	0.40	29.80	-18.20	Peak
2.755	30.10	---	48.00	0.40	30.50	-17.50	Peak
2.873	31.30	---	48.00	0.40	31.70	-16.30	Peak
14.398	37.90	---	48.00	0.69	38.59	-9.41	Peak
14.457	30.20	---	48.00	0.69	30.89	-17.11	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

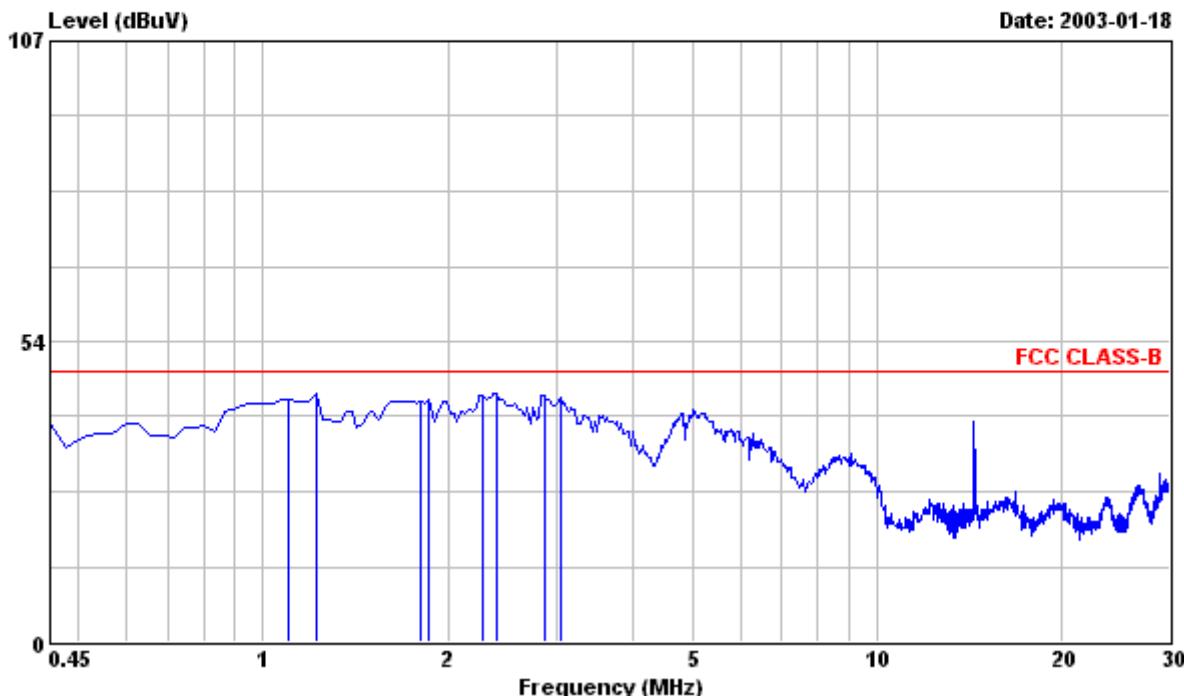


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 11

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Factor	Emission Level	Over Limit	Remark
LINE						
1.100	42.90	---	48.00 0.40	43.30	-4.70	Peak
1.218	43.80	---	48.00 0.40	44.20	-3.80	Peak
1.809	42.50	---	48.00 0.40	42.90	-5.10	Peak
1.868	42.60	---	48.00 0.40	43.00	-5.00	Peak
2.282	43.30	---	48.00 0.40	43.70	-4.30	Peak
2.400	44.00	---	48.00 0.40	44.40	-3.60	Peak
2.873	43.40	---	48.00 0.40	43.80	-4.20	Peak
3.050	43.00	---	48.00 0.40	43.40	-4.60	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

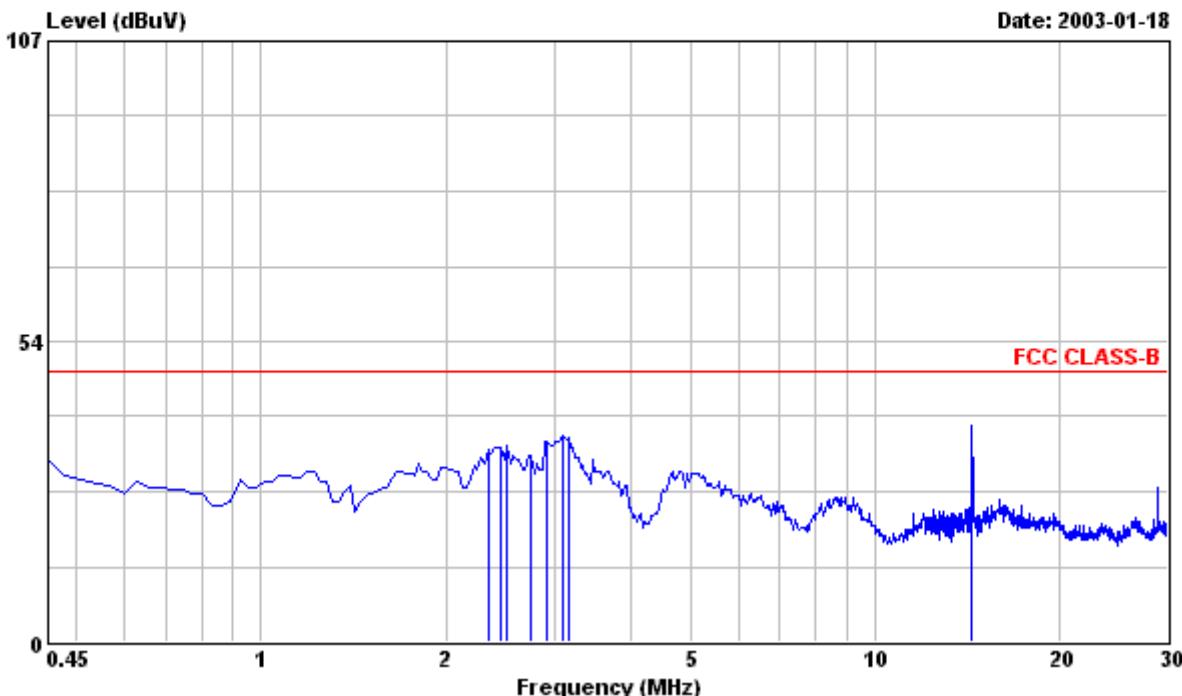


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 12

File#: C:\Program Files\em3\EMI03-004-C(170B4 QDI).emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 170B4 Serial No:TY0212779
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

2.341	34.00	---	48.00	0.40	34.40	-13.60	Peak
2.459	34.30	---	48.00	0.40	34.70	-13.30	Peak
2.519	34.50	---	48.00	0.40	34.90	-13.10	Peak
2.755	32.90	---	48.00	0.40	33.30	-14.70	Peak
2.932	35.40	---	48.00	0.40	35.80	-12.20	Peak
3.110	36.30	---	48.00	0.40	36.70	-11.30	Peak
3.169	36.10	---	48.00	0.40	36.50	-11.50	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

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	: 11 Jan., 2003 to 20 Jan., 2003	
Test Engineer	: C.C.Wu	
For detail measurement results see next pages.		

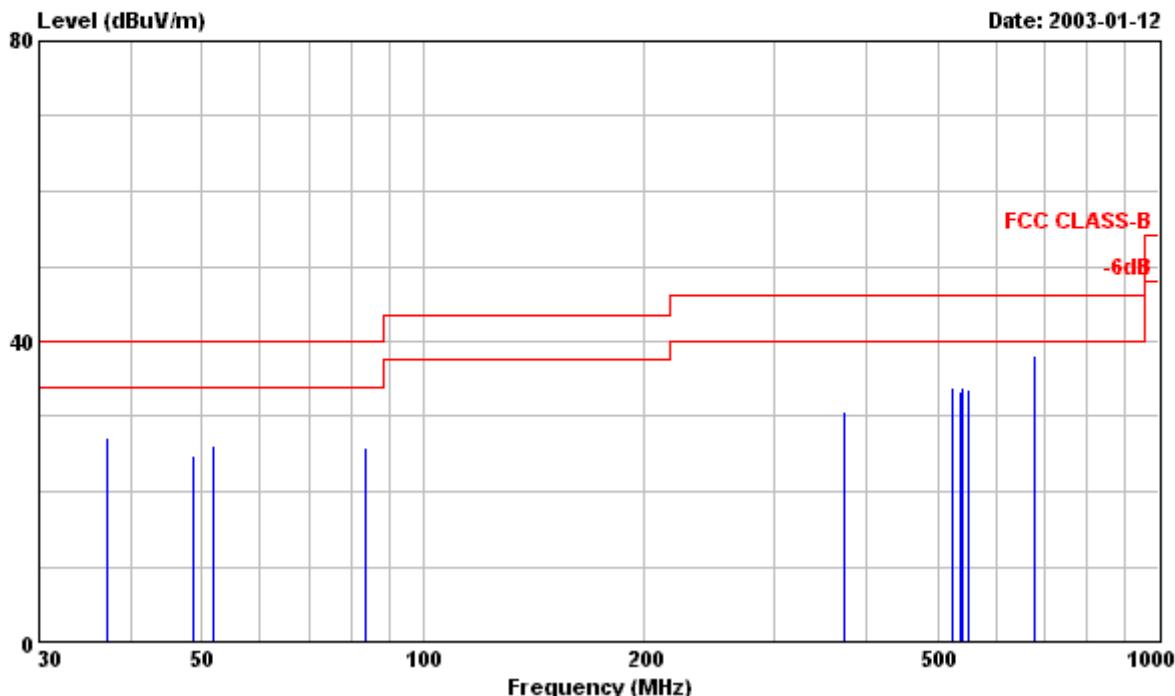


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 1

File#: C:\Program Files\3\EMI03-002-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/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	
37.030	14.40	---	40.00	12.91	27.31	-12.69	Peak
48.690	13.90	---	40.00	10.99	24.89	-15.11	Peak
51.640	15.40	---	40.00	10.64	26.04	-13.96	Peak
83.420	15.20	---	40.00	10.58	25.78	-14.22	Peak
373.880	12.70	---	46.00	17.93	30.63	-15.37	Peak
522.740	13.70	---	46.00	20.08	33.78	-12.22	Peak
537.080	13.10	---	46.00	20.31	33.41	-12.59	Peak
540.920	13.60	---	46.00	20.36	33.96	-12.04	Peak
551.390	13.10	---	46.00	20.51	33.61	-12.39	Peak
676.150	15.10	---	46.00	22.98	38.08	-7.92	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)

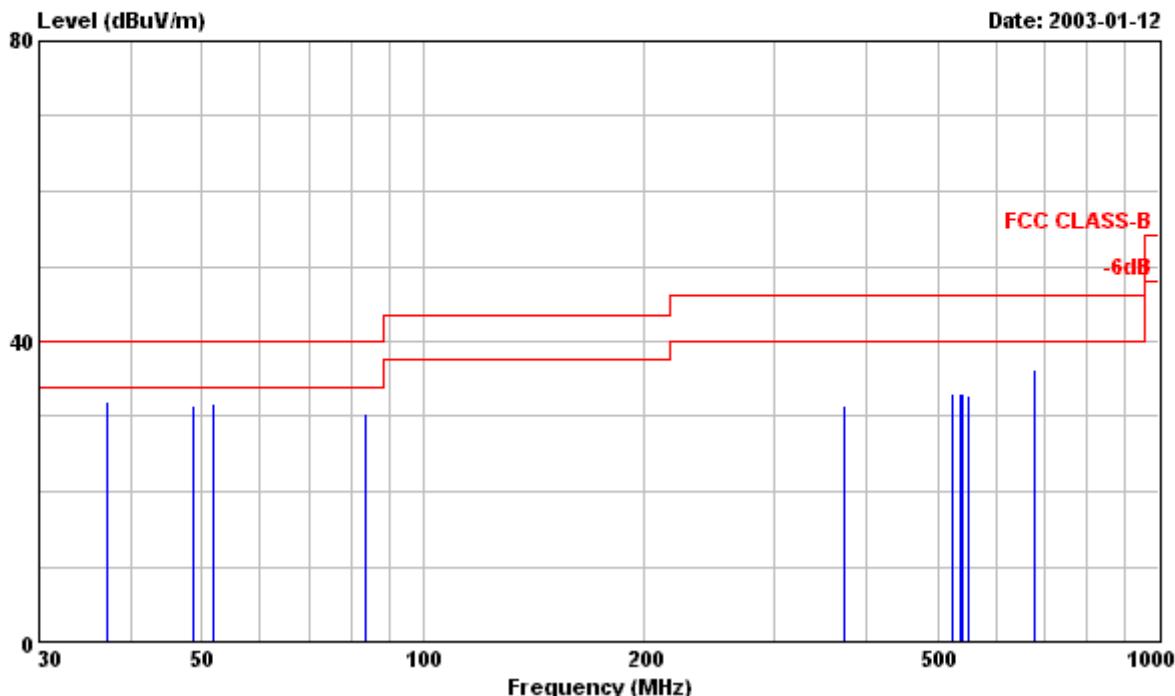


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 2

File#: C:\Program Files\3\EMI03-002-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/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	
37.030	19.00	---	40.00	12.91	31.91	-8.09	Peak
48.690	20.50	---	40.00	10.99	31.49	-8.51	Peak
51.638	21.10	---	40.00	10.64	31.74	-8.26	Peak
83.420	19.80	---	40.00	10.58	30.38	-9.62	Peak
373.880	13.50	---	46.00	17.93	31.43	-14.57	Peak
522.740	13.00	---	46.00	20.08	33.08	-12.92	Peak
537.080	12.70	---	46.00	20.31	33.01	-12.99	Peak
540.920	12.80	---	46.00	20.36	33.16	-12.84	Peak
551.390	12.40	---	46.00	20.51	32.91	-13.09	Peak
676.150	13.20	---	46.00	22.98	36.18	-9.82	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)

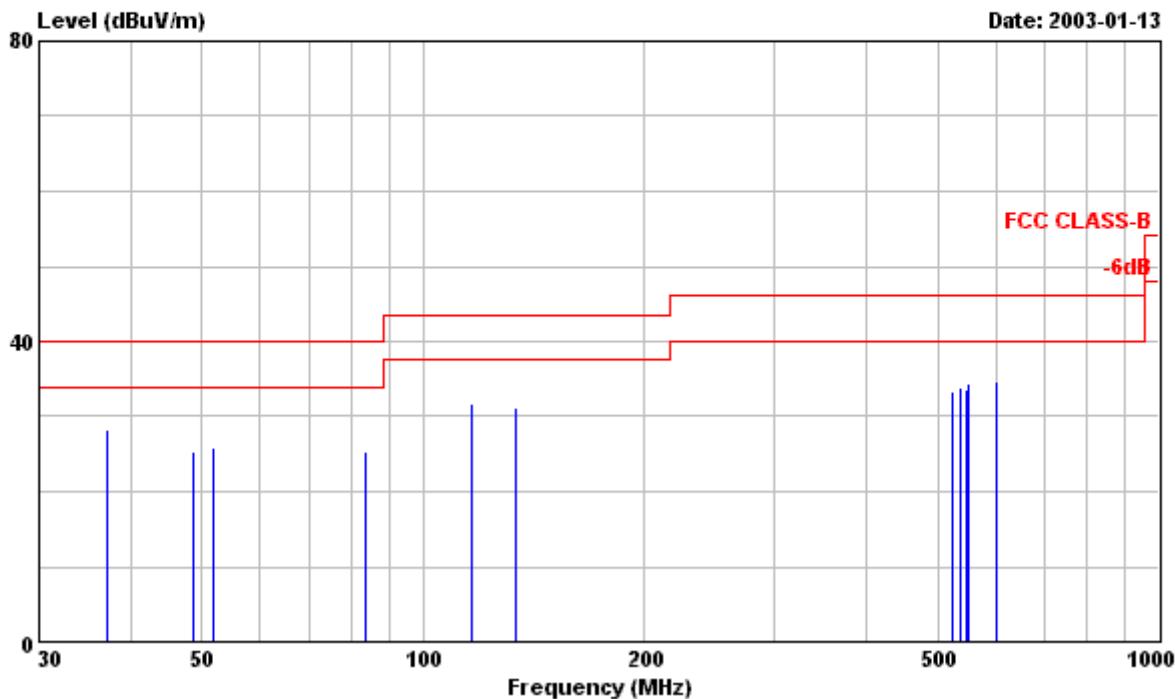


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI03-002-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/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	
37.030	15.30	---	40.00	12.91	28.21	-11.79	Peak
48.580	14.20	---	40.00	11.01	25.21	-14.79	Peak
51.640	15.10	---	40.00	10.64	25.74	-14.26	Peak
83.290	14.70	---	40.00	10.57	25.27	-14.73	Peak
116.070	19.60	---	43.50	12.21	31.81	-11.69	Peak
133.160	18.29	---	43.50	12.82	31.11	-12.39	Peak
522.740	13.30	---	46.00	20.08	33.38	-12.62	Peak
537.080	13.50	---	46.00	20.31	33.81	-12.19	Peak
547.820	13.10	---	46.00	20.45	33.55	-12.45	Peak
552.060	13.90	---	46.00	20.54	34.44	-11.56	Peak
601.520	13.50	---	46.00	21.25	34.75	-11.25	Peak

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

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

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

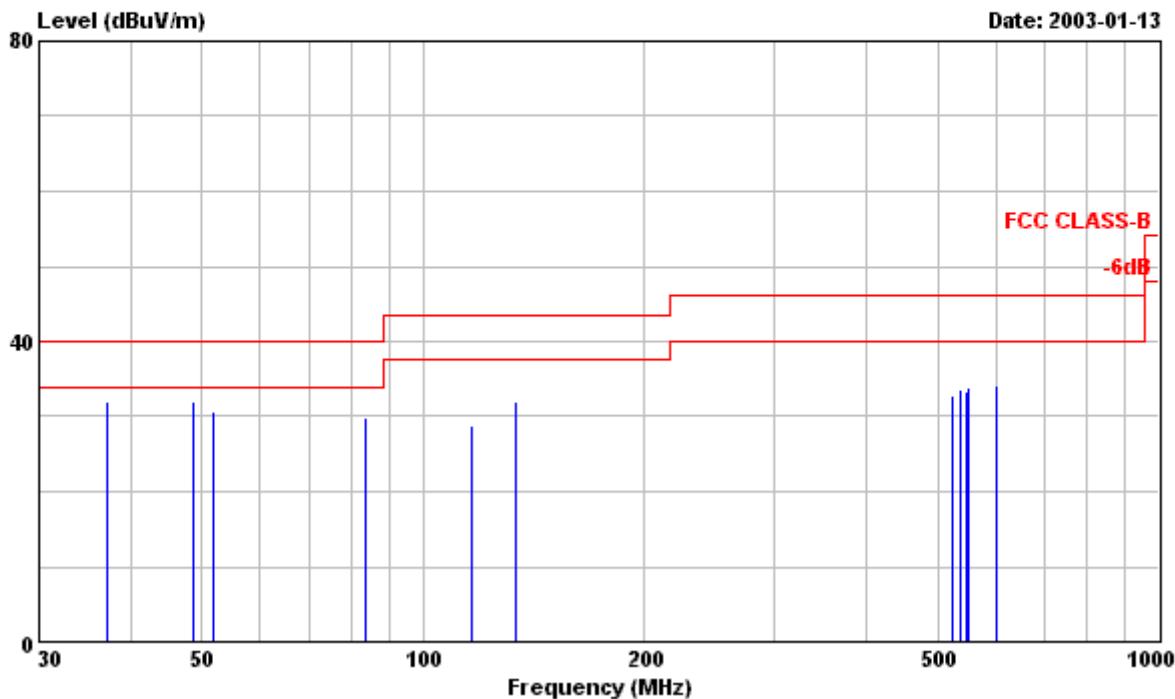


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI03-002-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/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	
37.030	19.20	---	40.00	12.91	32.11	-7.89	Peak
48.580	21.00	---	40.00	11.01	32.01	-7.99	Peak
51.640	19.90	---	40.00	10.64	30.54	-9.46	Peak
83.290	19.40	---	40.00	10.57	29.97	-10.03	Peak
116.070	16.50	---	43.50	12.21	28.71	-14.79	Peak
133.160	19.19	---	43.50	12.82	32.01	-11.49	Peak
522.740	12.60	---	46.00	20.08	32.68	-13.32	Peak
537.080	13.20	---	46.00	20.31	33.51	-12.49	Peak
547.820	13.00	---	46.00	20.45	33.45	-12.55	Peak
552.060	13.40	---	46.00	20.54	33.94	-12.06	Peak
601.520	12.80	---	46.00	21.25	34.05	-11.95	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)

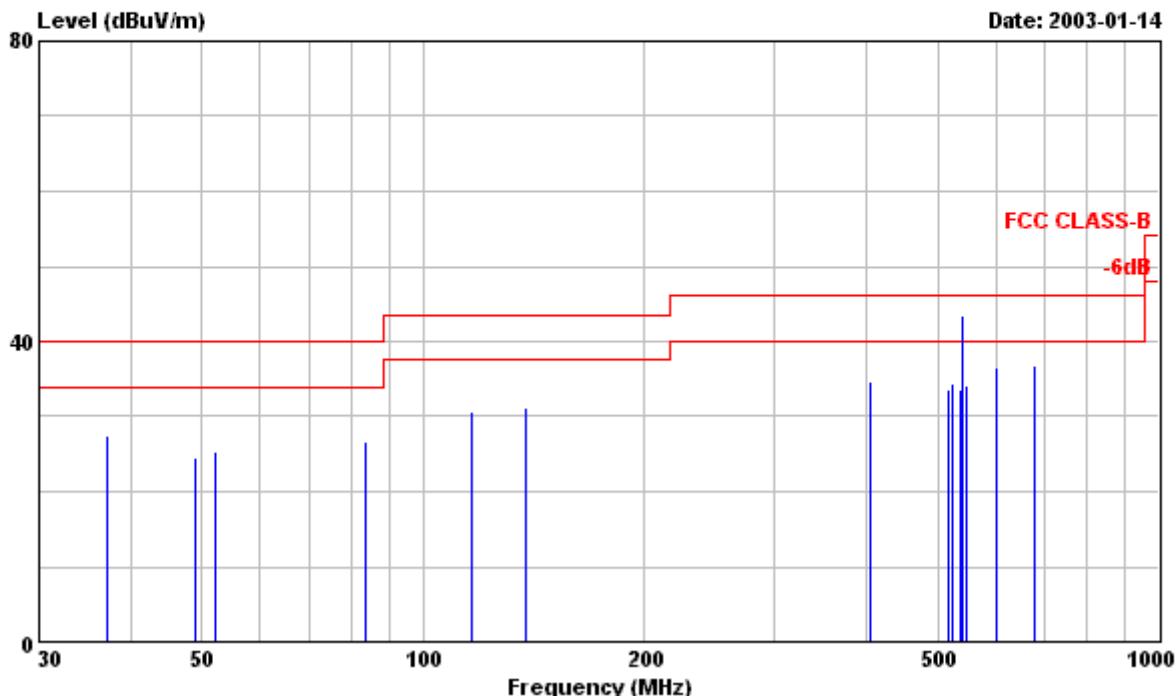


PHILIPS

Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 5

File#: C:\Program Files\em3\EMI03-002-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

Frequency MHz	Peak dBuV	Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level		Over Limit dBuV/m	Remark
						HORIZONTAL			
37.170	14.50	---	40.00	12.87	27.37			-12.63	Peak
48.920	13.70	---	40.00	10.96	24.66			-15.34	Peak
51.940	14.60	---	40.00	10.61	25.21			-14.79	Peak
83.620	16.20	---	40.00	10.58	26.78			-13.22	Peak
116.320	18.50	---	43.50	12.21	30.71			-12.79	Peak
137.420	18.10	---	43.50	12.97	31.07			-12.43	Peak
405.690	16.20	---	46.00	18.48	34.68			-11.32	Peak
519.170	13.70	---	46.00	20.02	33.72			-12.28	Peak
522.750	14.30	---	46.00	20.08	34.38			-11.62	Peak
537.070	13.40	---	46.00	20.31	33.71			-12.29	Peak
540.920	---	21.80	46.00	20.36	42.16			-3.84	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)



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 No.5, Tze Chiang 1 Road, Chungli Industrial Park,
 Chungli, Taiwan, R.O.C.
 Tel:+886-3-4549862 Fax:+886-3-4549887

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Lavel	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
540.920	23.20	---	46.00	20.36	43.56	-2.44	Peak
547.820	13.60	---	46.00	20.45	34.05	-11.95	Peak
601.030	15.20	---	46.00	21.25	36.45	-9.55	Peak
676.630	13.70	---	46.00	23.03	36.73	-9.27	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Lavel (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

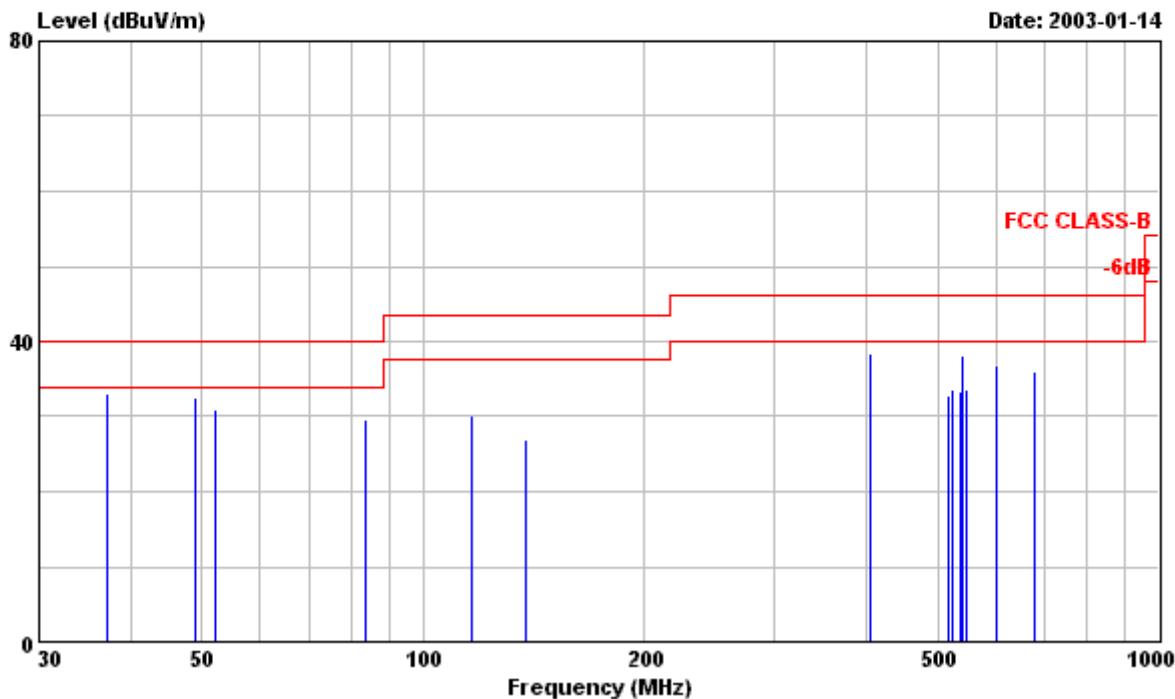


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 6

File#: C:\Program Files\em3\EMI03-002-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 170B4 Serial No: TY0211692
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL AU 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/P866/20E/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	
37.170	20.10	---	40.00	12.87	32.97	-7.03	Peak
48.920	21.50	---	40.00	10.96	32.46	-7.54	Peak
51.940	20.20	---	40.00	10.61	30.81	-9.19	Peak
83.620	19.10	---	40.00	10.58	29.68	-10.32	Peak
116.320	17.80	---	43.50	12.21	30.01	-13.49	Peak
137.420	13.90	---	43.50	12.97	26.87	-16.63	Peak
405.690	19.90	---	46.00	18.48	38.38	-7.62	Peak
519.170	12.90	---	46.00	20.02	32.92	-13.08	Peak
522.750	13.40	---	46.00	20.08	33.48	-12.52	Peak
537.070	12.90	---	46.00	20.31	33.21	-12.79	Peak
540.920	17.90	---	46.00	20.36	38.26	-7.74	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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 Chungli, Taiwan, R.O.C.
 Tel: +886-3-4549862 Fax: +886-3-4549887

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Lavel	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	VERTICAL
547.820	13.20	---	46.00	20.45	33.65	-12.35	Peak
601.030	15.50	---	46.00	21.25	36.75	-9.25	Peak
676.630	12.90	---	46.00	23.03	35.93	-10.07	Peak

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

2. Emission Lavel (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

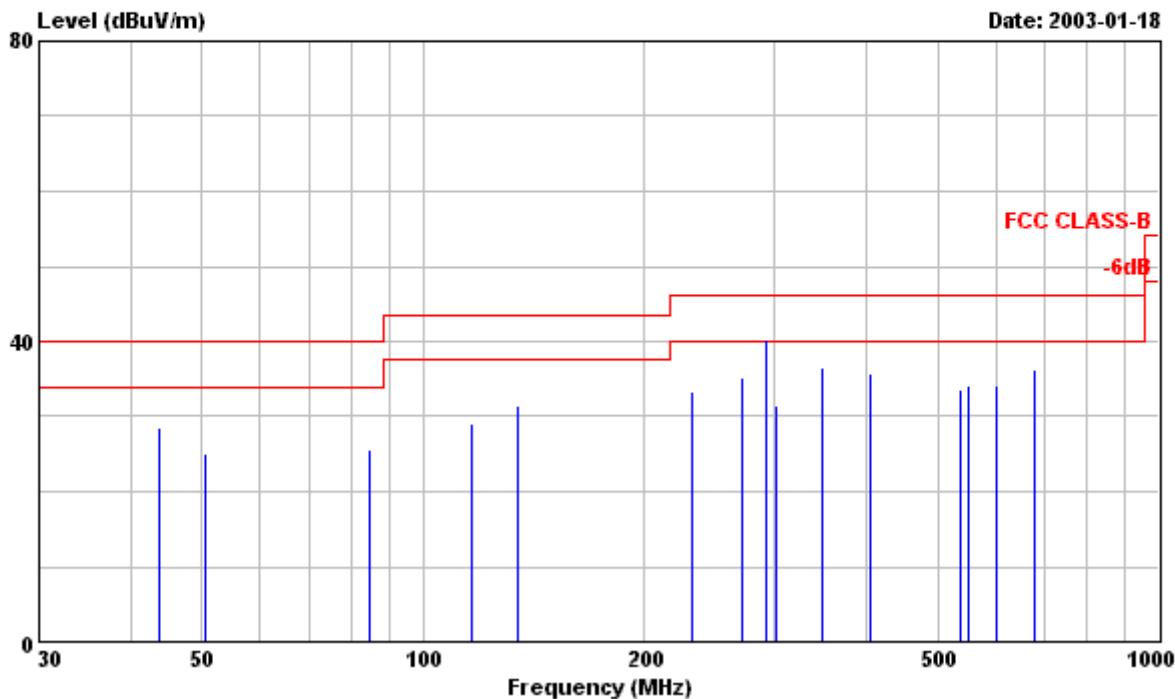


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 1

File#: C:\Program Files\em3\EMI03-004-R(170B4 QDI).emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 170B4 Serial No: TY0212779
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/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	
43.830	16.80	---	40.00	11.64	28.44	-11.56	Peak
50.410	14.40	---	40.00	10.77	25.17	-14.83	Peak
84.370	15.10	---	40.00	10.63	25.73	-14.27	Peak
116.400	16.90	---	43.50	12.23	29.13	-14.37	Peak
134.370	18.50	---	43.50	12.87	31.37	-12.13	Peak
231.890	14.40	---	46.00	19.06	33.46	-12.54	Peak
270.470	13.60	---	46.00	21.64	35.24	-10.76	Peak
291.800	17.50	---	46.00	22.78	40.28	-5.72	Peak
291.800	---	15.42	46.00	22.78	38.20	-7.80	QP
302.270	14.90	---	46.00	16.52	31.42	-14.58	Peak
347.780	19.20	---	46.00	17.46	36.66	-9.34	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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 No.5, Tze Chiang 1 Road, Chungli Industrial Park,
 Chungli, Taiwan, R.O.C.
 Tel:+886-3-4549862 Fax:+886-3-4549887

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Lavel	Over Limit	Remark
-----------	--------------	------------	-------	--------	----------------	------------	--------

HORIZONTAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
405.720	17.30	---	46.00	18.48	35.78	-10.22 Peak
537.080	13.30	---	46.00	20.31	33.61	-12.39 Peak
551.400	14.00	---	46.00	20.51	34.51	-11.49 Peak
601.520	13.20	---	46.00	21.25	34.45	-11.55 Peak
676.150	13.20	---	46.00	22.98	36.18	-9.82 Peak

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

2. Emission Lavel (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

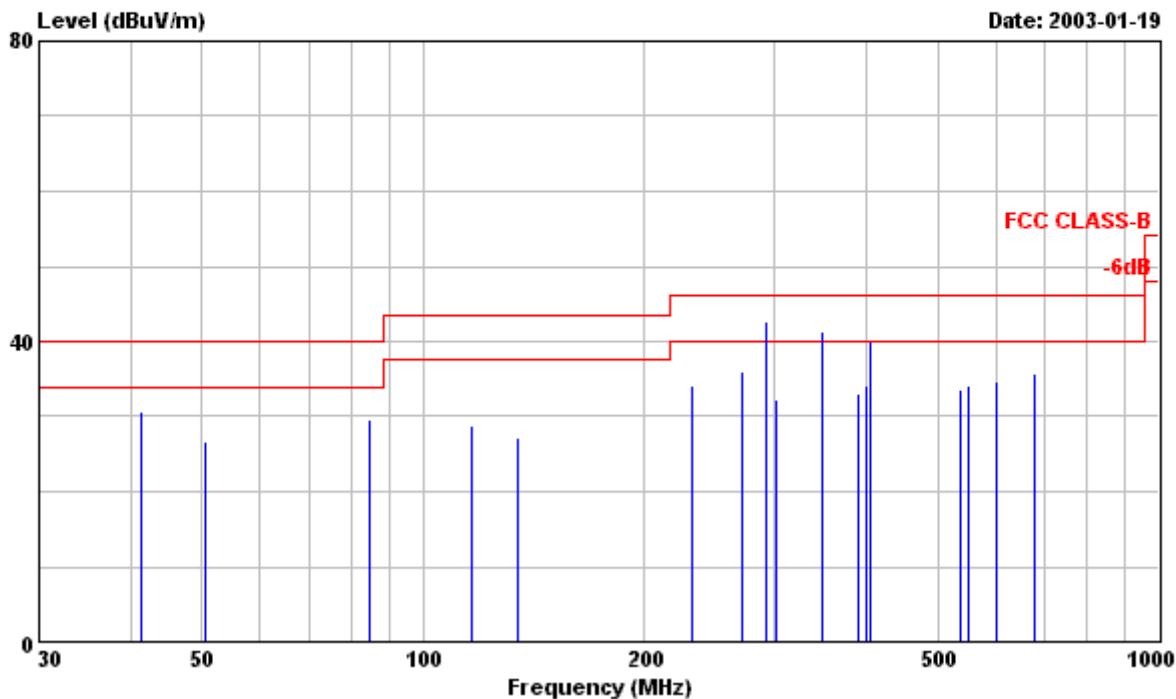


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 2

File#: C:\Program Files\em3\EMI03-004-R(170B4 QDI).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 170B4 Serial No:TY0212779
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission	Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	VERTICAL	
41.240	18.60	---	40.00	11.94	30.54	-9.46	Peak	
50.410	16.00	---	40.00	10.77	26.77	-13.23	Peak	
84.370	19.10	---	40.00	10.63	29.73	-10.27	Peak	
116.400	16.70	---	43.50	12.23	28.93	-14.57	Peak	
134.370	14.20	---	43.50	12.87	27.07	-16.43	Peak	
231.890	15.10	---	46.00	19.06	34.16	-11.84	Peak	
270.470	14.30	---	46.00	21.64	35.94	-10.06	Peak	
! 291.800	19.90	---	46.00	22.78	42.68	-3.32	Peak	
! 291.800	---	17.87	46.00	22.78	40.65	-5.35	QP	
302.270	15.80	---	46.00	16.52	32.32	-13.68	Peak	
! 347.780	24.00	---	46.00	17.46	41.46	-4.54	Peak	

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

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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 No.5, Tze Chiang 1 Road, Chungli Industrial Park,
 Chungli, Taiwan, R.O.C.
 Tel:+886-3-4549862 Fax:+886-3-4549887

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	VERTICAL
347.780	---	22.03	46.00	17.46	39.49	-6.51	QP
389.780	14.80	---	46.00	18.21	33.01	-12.99	Peak
401.020	15.70	---	46.00	18.40	34.10	-11.90	Peak
405.720	21.50	---	46.00	18.48	39.98	-6.02	Peak
537.080	13.40	---	46.00	20.31	33.71	-12.29	Peak
551.400	13.70	---	46.00	20.51	34.21	-11.79	Peak
601.520	13.30	---	46.00	21.25	34.55	-11.45	Peak
676.150	12.80	---	46.00	22.98	35.78	-10.22	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

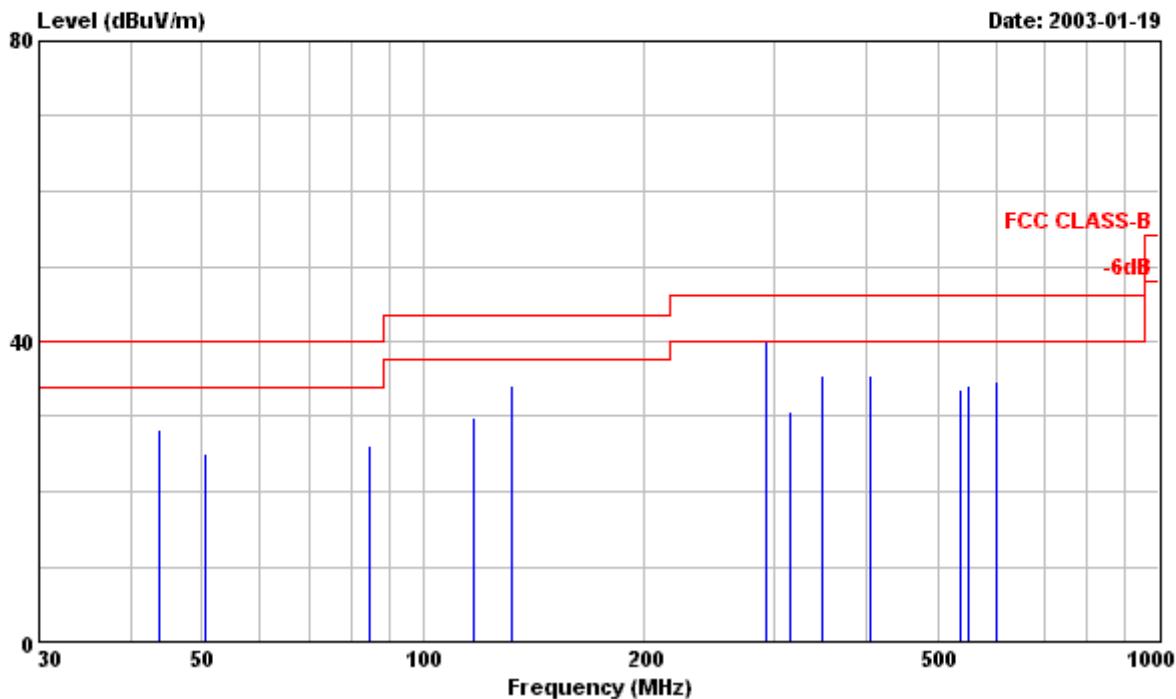


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI03-004-R(170B4 QDI).emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 170B4 Serial No: TY0212779
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI PANEL, RUN IBM V1.8
 : FONT 14 "H" PATTERN D-SUB I/F CABLE.
 : 3. AUDIO WITH HEADPHONE & MICROPHONE.
 : 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
 : ENC/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

Frequency MHz	Peak dBuV	Reading dBuV	QP reading dBuV	Limit dB/m	Factor dB/m	Emission Level		Over Limit dBuV/m	Remark
						HORIZONTAL			
43.810	16.50	---	40.00	11.64	28.14			-11.86	Peak
50.410	14.20	---	40.00	10.77	24.97			-15.03	Peak
84.370	15.50	---	40.00	10.63	26.13			-13.87	Peak
116.760	17.50	---	43.50	12.25	29.75			-13.75	Peak
131.760	21.50	---	43.50	12.76	34.26			-9.24	Peak
292.020	17.10	---	46.00	22.78	39.88			-6.12	Peak
315.460	13.90	---	46.00	16.80	30.70			-15.30	Peak
348.050	18.00	---	46.00	17.46	35.46			-10.54	Peak
406.040	17.00	---	46.00	18.48	35.48			-10.52	Peak
537.080	13.20	---	46.00	20.31	33.51			-12.49	Peak
551.400	13.90	---	46.00	20.51	34.41			-11.59	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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Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Lavel	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
552.070	13.70	---	46.00	20.54	34.24	-11.76	Peak
601.520	13.50	---	46.00	21.25	34.75	-11.25	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Lavel (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

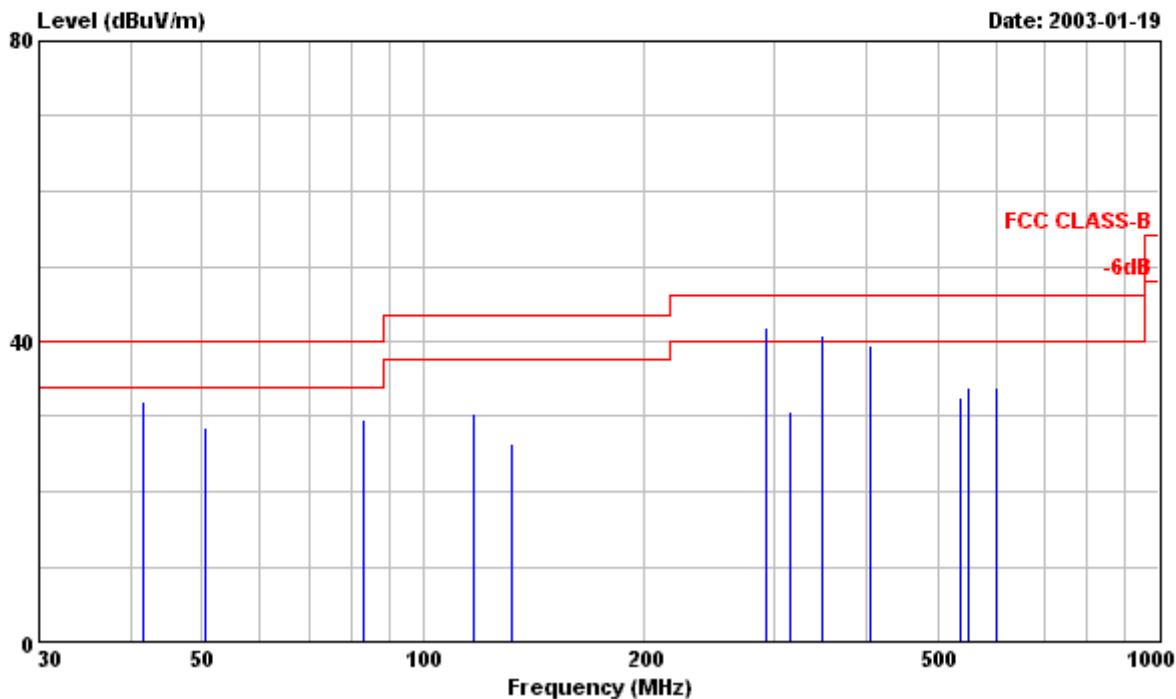


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI03-004-R(170B4 QDI).emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 170B4 Serial No:TY0212779
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL QDI PANEL,RUN IBM V1.8
: FONT 14 "H" PATTERN D-SUB I/F CABLE.
: 3. AUDIO WITH HEADPHONE & MICROPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/20E/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP reading	Limit Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
VERTICAL						
41.450	20.20	---	40.00	11.92	32.12	-7.88 Peak
50.410	17.80	---	40.00	10.77	28.57	-11.43 Peak
82.840	19.00	---	40.00	10.55	29.55	-10.45 Peak
116.760	18.10	---	43.50	12.25	30.35	-13.15 Peak
131.760	13.60	---	43.50	12.76	26.36	-17.14 Peak
292.020	19.10	---	46.00	22.78	41.88	-4.12 Peak
292.020	---	17.04	46.00	22.78	39.82	-6.18 QP
315.460	13.90	---	46.00	16.80	30.70	-15.30 Peak
348.050	23.30	---	46.00	17.46	40.76	-5.24 Peak
348.050	---	21.59	46.00	17.46	39.05	-6.95 QP
406.040	20.90	---	46.00	18.48	39.38	-6.62 Peak

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

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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 Chungli, Taiwan, R.O.C.
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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Lavel	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	VERTICAL
537.080	12.30	---	46.00	20.31	32.61	-13.39	Peak
551.400	12.90	---	46.00	20.51	33.41	-12.59	Peak
552.070	13.20	---	46.00	20.54	33.74	-12.26	Peak
601.520	12.60	---	46.00	21.25	33.85	-12.15	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Lavel (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

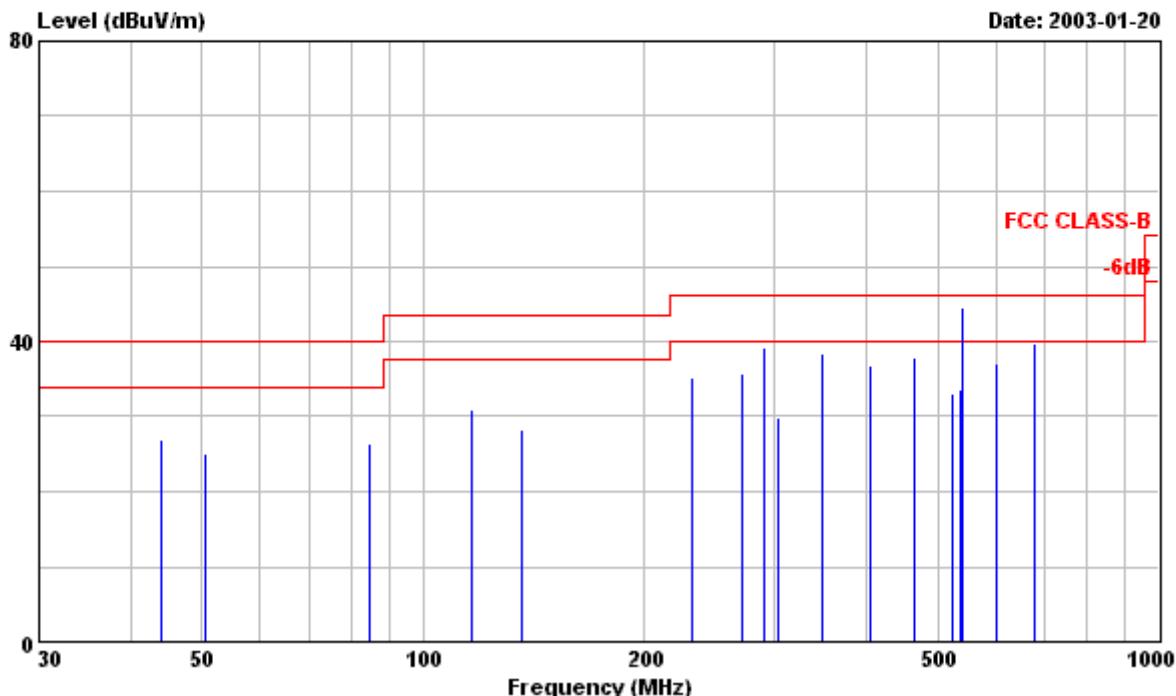


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Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 5

File#: C:\Program Files\em3\EMI03-004-R(170B4 QDI).emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 170B4 Serial No: TY0212779
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 2ND MODEL QDI 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/P866/20E/8/128A TAI PC, ATI RADEON
 : VE DDR VIDEO CAR WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
44.080	15.40	---	40.00	11.61	27.01	-12.99	Peak
50.410	14.40	---	40.00	10.77	25.17	-14.83	Peak
84.370	15.70	---	40.00	10.63	26.33	-13.67	Peak
116.540	18.60	---	43.50	12.23	30.83	-12.67	Peak
136.080	15.40	---	43.50	12.92	28.32	-15.18	Peak
232.020	16.20	---	46.00	19.06	35.26	-10.74	Peak
270.470	14.20	---	46.00	21.64	35.84	-10.16	Peak
291.380	16.60	---	46.00	22.73	39.33	-6.67	Peak
304.350	13.30	---	46.00	16.57	29.87	-16.13	Peak
348.320	20.90	---	46.00	17.46	38.36	-7.64	Peak
405.700	15.10	---	46.00	18.48	33.58	-12.42	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)



PHILIPS

Philips Electronics Industries (Taiwan) Ltd.
 No.5, Tze Chiang 1 Road, Chungli Industrial Park,
 Chungli, Taiwan, R.O.C.
 Tel:+886-3-4549862 Fax:+886-3-4549887

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
HORIZONTAL							
406.360	18.20	---	46.00	18.48	36.68	-9.32	Peak
466.300	18.50	---	46.00	19.29	37.79	-8.21	Peak
522.750	13.00	---	46.00	20.08	33.08	-12.92	Peak
537.070	13.40	---	46.00	20.31	33.71	-12.29	Peak
540.930	24.20	---	46.00	20.36	44.56	-1.44	Peak
540.930	---	22.98	46.00	20.36	43.34	-2.66	QP
601.020	15.90	---	46.00	21.25	37.15	-8.85	Peak
676.150	16.70	---	46.00	22.98	39.68	-6.32	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

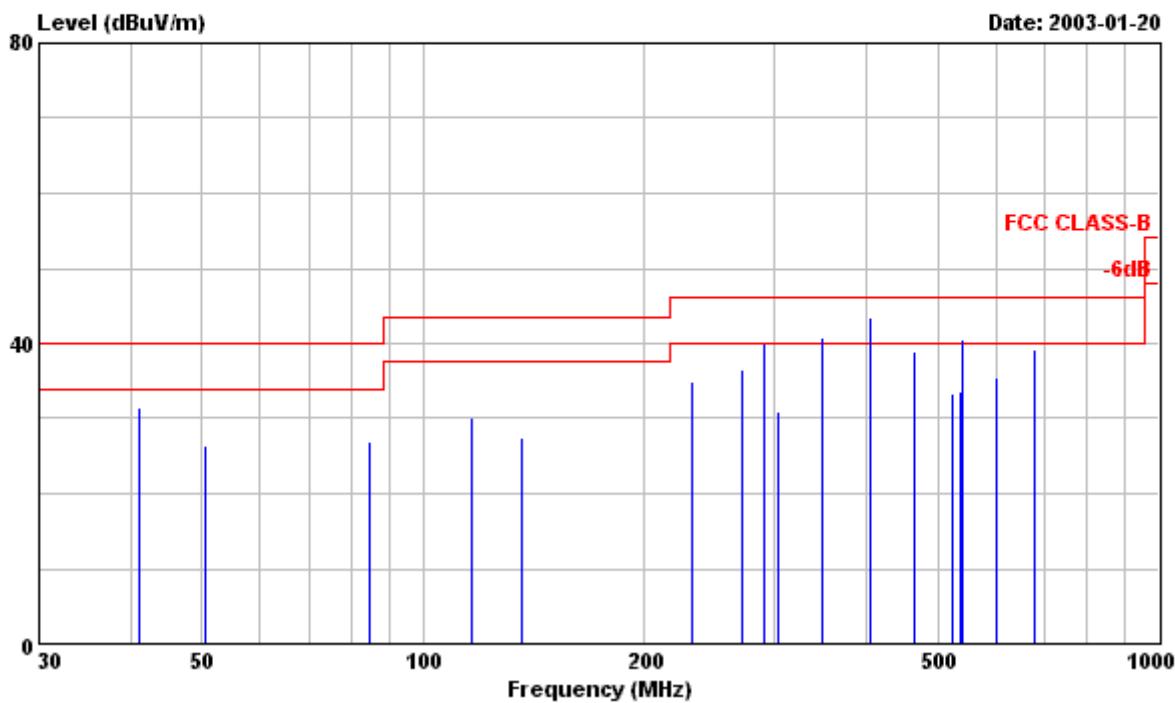


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Data#: 6

File#: C:\Program Files\em3\EMI03-004-R(170B4 QDI).emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 170B4 Serial No: TY0212779
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
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 : FONT 16 "H" PATTERN DVI I/F CABLE.
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 : ENC/P866/20E/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		
41.180	19.50	---	40.00	11.96	31.46	-8.54	Peak	
50.410	15.70	---	40.00	10.77	26.47	-13.53	Peak	
84.370	16.40	---	40.00	10.63	27.03	-12.97	Peak	
116.540	18.00	---	43.50	12.23	30.23	-13.27	Peak	
136.080	14.60	---	43.50	12.92	27.52	-15.98	Peak	
232.210	15.80	---	46.00	19.12	34.92	-11.08	Peak	
270.470	14.90	---	46.00	21.64	36.54	-9.46	Peak	
291.380	17.40	---	46.00	22.73	40.13	-5.87	Peak	
291.380	---	14.96	46.00	22.73	37.69	-8.31	QP	
304.350	14.40	---	46.00	16.57	30.97	-15.03	Peak	
348.320	---	21.52	46.00	17.46	38.98	-7.02	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)



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Lavel	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	VERTICAL
348.320	23.40	---	46.00	17.46	40.86	-5.14	Peak
405.700	17.90	---	46.00	18.48	36.38	-9.62	Peak
406.360	25.10	---	46.00	18.48	43.58	-2.42	Peak
406.360	---	23.64	46.00	18.48	42.12	-3.88	QP
466.300	19.60	---	46.00	19.29	38.89	-7.11	Peak
522.750	13.30	---	46.00	20.08	33.38	-12.62	Peak
537.070	13.20	---	46.00	20.31	33.51	-12.49	Peak
540.930	---	18.82	46.00	20.36	39.18	-6.82	QP
540.930	20.20	---	46.00	20.36	40.56	-5.44	Peak
601.020	14.30	---	46.00	21.25	35.55	-10.45	Peak
676.150	16.20	---	46.00	22.98	39.18	-6.82	Peak

Remarks: 1. All Readings are Peak & Quasi-peak values.
2. Emission Lavel (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