



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.: TYR87-2009 Date : 22 April, 2002 Page : 1 of 80
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. : A3KM108 Model Name : 150P3, 150B3, 150S3 Serial Number : TY0105679, TY0204013, TY0205074 Description : 15" XGA LCD color monitor, Max. resolution 1024x768/75Hz		
EMC Standards : FCC Part 15 of October 01,1999 Class B ANSI C63.4-1992		
Result : PASSED the limits/test-levels in the standards.		
Note : The results in this report apply only to the sample(s) and mode(s) tested. It is the manufacturer's responsibility to assume the continued EMC compliance of production models.		
Date of receipt of EUT : 02 Apr. 2002		
Date of performance of test : 05 Apr., 2002 to 17 Apr., 2002		
 C.C. Wu - EMC Test Engineer	 Ronnie Yang - EMC Manager NVLAP Signatory	

Philips Electronics Industries (Taiwan) Ltd

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1. Summary of test results

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

Remark:

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

2. General Information of EUT

The EUT, 15" color monitor :

Model No. : 150P3, 150B3, 150S3
 FCC ID : A3KM108
 Brand : Philips

The color monitor automatically scans horizontal frequencies between 30KHz and 61KHz , and vertical frequencies between 56Hz and 76Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1024x768 pixels.

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

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

3. Test Equipment

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

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

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

- For Conducted Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next Calibrate
Spectrum	HP8568B	2415A00346	05/16/2001	05/16/2002
EMI Receiver	R & S ESCS30	830245/026	06/09/2001	06/08/2002
LISN	EMCO 3825/2	9311-2153	12/04/2001	06/04/2002
LISN	EMCO 3825/2	9311-2154	12/04/2001	06/04/2002
RF Cable	8-meter	N/A	05/28/2001	05/28/2002

- For Radiated Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next Calibrate
Spectrum	HP8568B	2415A00346	08/15/2001	08/15/2002
RF Preselector	HP85685A	2901A00946	08/15/2001	08/15/2002
QP Adapter	HP85650A	2043A00366	08/15/2001	08/15/2002
EMI Receiver	HP85460A	3441A00199	09/11/2001	09/11/2002
RFI Filter Section	HP85460A	3330A00177	09/11/2001	09/11/2002
EMI Receiver	R & S ESVS30	841977/006	05/28/2001	05/28/2002
Biconical Antenna	EMCO 3110B	3222	04/27/2001	04/27/2002
Biconical Antenna	EMCO 3110B	3224	04/27/2001	04/27/2002
Log-Periodic Antenna	EMCO 3146A	1424	04/27/2001	04/27/2002
Log-Periodic Antenna	EMCO 3146A	1425	04/27/2001	04/27/2002
Turn Table	EMCO 1060	1068	05/26/2001	05/26/2002
Antenna Tower	EMCO 1050	1113	05/26/2001	05/26/2002
RF Cable	M17/75-RG214-NE	N/A	05/26/2001	05/26/2002

4. Test Configuration of EUT and Peripherals

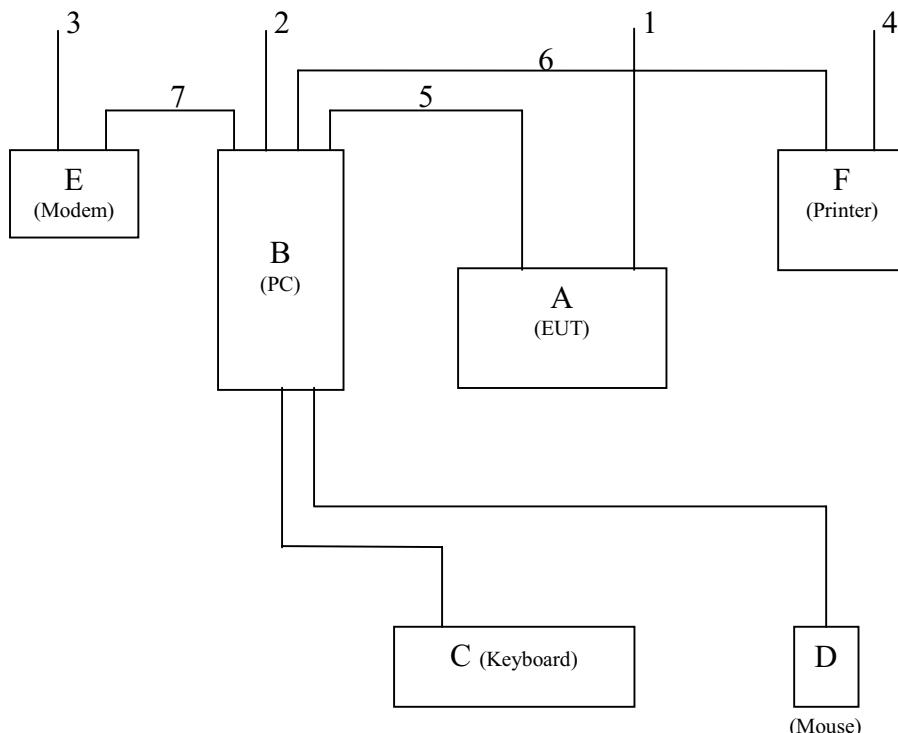
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT “150P3, 150B3, 150S3” were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	Philips 150P3 150B3 150S3	TY0105679 TY0204013 TY0205074	A3KM108	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	USRobotics 268	2680559278575	CJE-0318	
F	Printer	HP 2225C	3145S02419	DSI6XU2225	

Connected Cables

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

System Block Diagram of Test Configuration



5. Test Procedure

Test was performed by:

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

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

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

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

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

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

Unshielded power cord was used during test.

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

DVI I/F cable with two ferrite cores was used for 150P3 only.

Audio cable with one ferrite core was used for 150P3 and 150B3.

Tested and reported modes as following:

Test Item	File No.	Resolution	Frequencies	I/F Cable
Conducted	EMI02-012-C, EMI02-013-C	1024x768	60KHz/75Hz	D-sub
		1024x768	48.3KHz/60Hz	D-sub
	EMI02-014-C	1024x768	60KHz/75Hz	D-sub
		1024x768	60KHz/75Hz	DVI
		1024x768	48.3KHz/60Hz	D-sub
Radiated	EMI02-012-R, EMI02-013-R	1024x768	60KHz/75Hz	D-sub
		1024x768	48.3KHz/60Hz	D-sub
	EMI02-014-R	1024x768	60KHz/75Hz	D-sub
		1024x768	60KHz/75Hz	DVI
		1024x768	48.3KHz/60Hz	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

: 05 Apr., 2002 to 17 Apr., 2002

Test Engineer

: C.C.Wu

For detail measurement results see next pages.

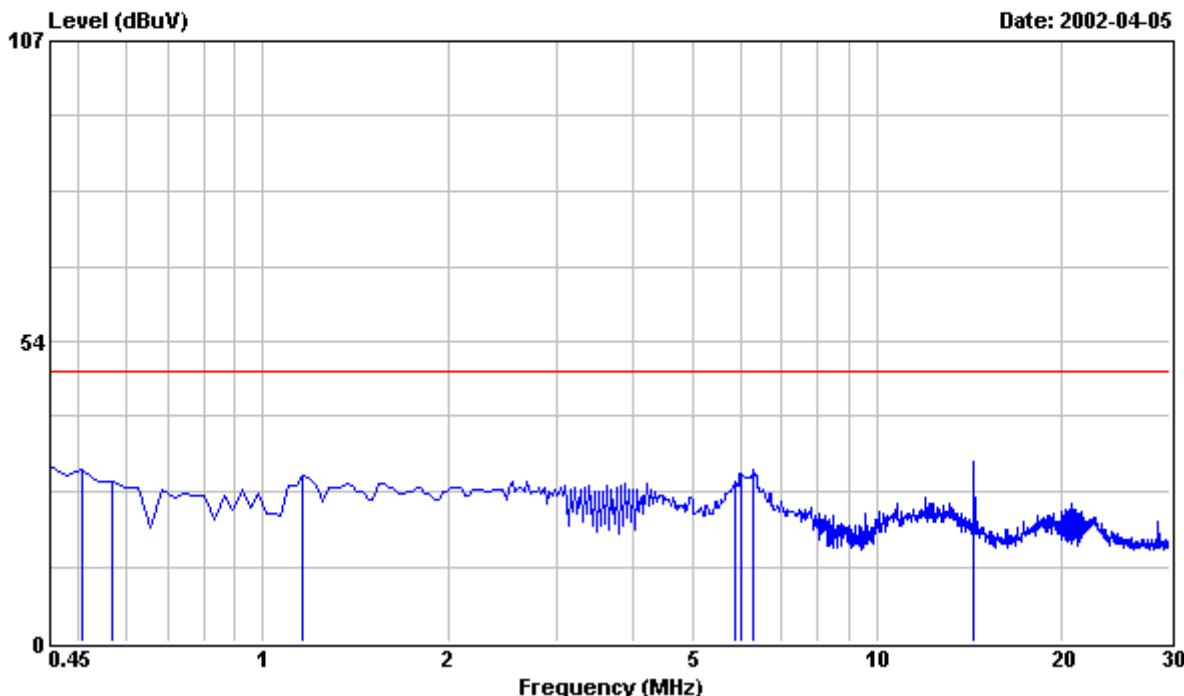


PHILIPS

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#: 1

File#: C:\Program Files\em3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
				LINE	
MHz	dBuV	dBuV	dB	dBuV	dBuV
0.450	31.10	48.00	0.20	31.30	-16.70
0.509	30.30	48.00	0.23	30.53	-17.47
0.568	28.40	48.00	0.26	28.66	-19.34
1.159	29.10	48.00	0.40	29.50	-18.50
5.887	28.20	48.00	0.39	28.59	-19.41
6.005	29.40	48.00	0.40	29.80	-18.20
6.301	30.40	48.00	0.40	30.80	-17.20
14.398	31.50	48.00	0.69	32.19	-15.81

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

Tested by :

Checked by :

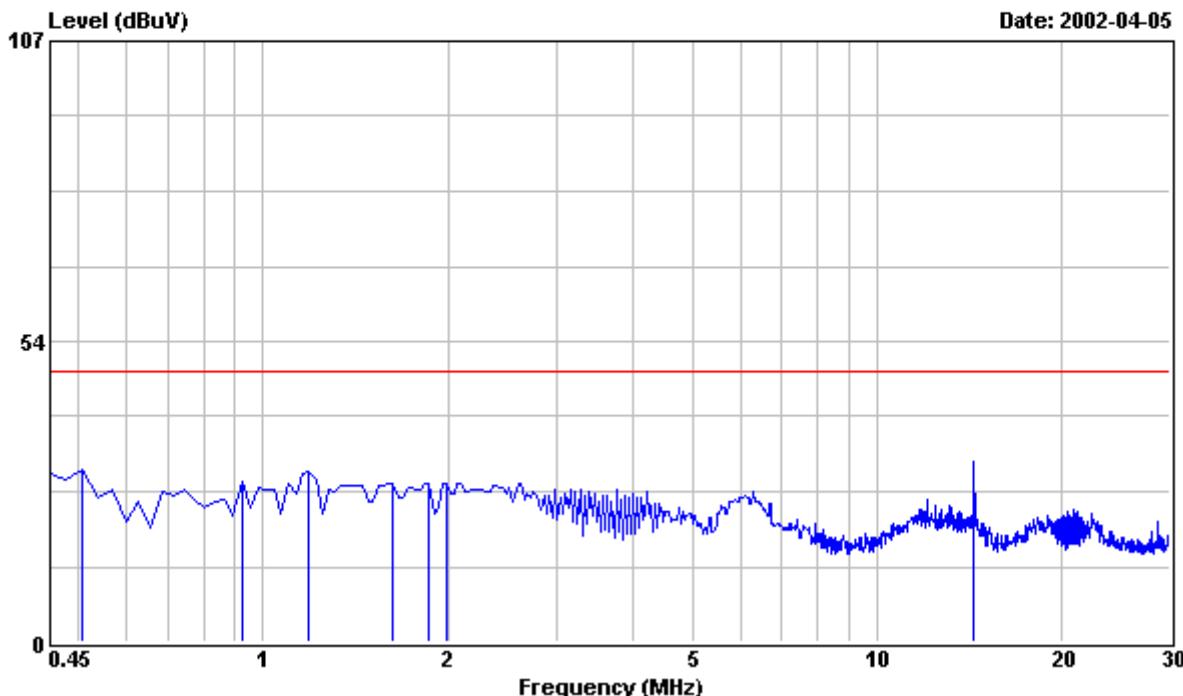


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Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 2

File#: C:\Program Files\em3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
0.450	29.80	48.00	0.20	30.00	-18.00	
0.509	30.50	48.00	0.23	30.73	-17.27	
0.923	28.10	48.00	0.38	28.48	-19.52	
1.189	29.80	48.00	0.40	30.20	-17.80	
1.632	27.70	48.00	0.40	28.10	-19.90	
1.868	27.70	48.00	0.40	28.10	-19.90	
1.987	27.80	48.00	0.40	28.20	-19.80	
14.398	31.30	48.00	0.69	31.99	-16.01	

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

Tested by :

Checked by :

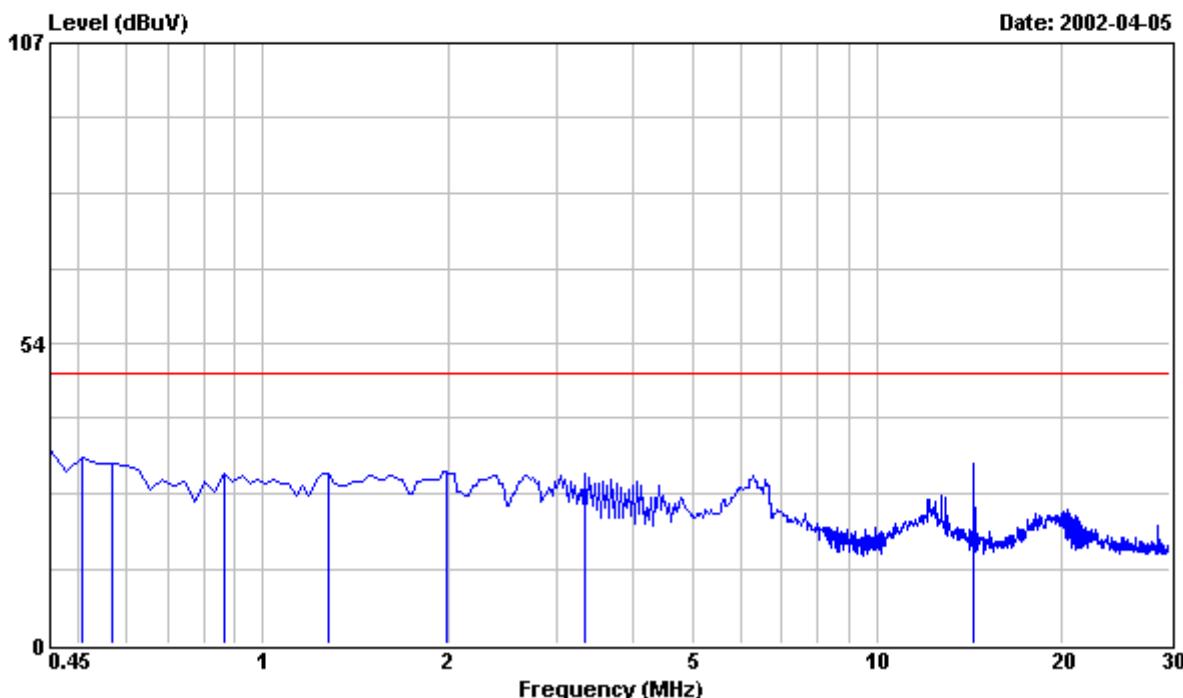


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
MHz	dBuV	dBuV	dB	dBuV	dBuV
0.450	34.40	48.00	0.20	34.60	-13.40
0.509	33.00	48.00	0.23	33.23	-14.77
0.568	31.90	48.00	0.26	32.16	-15.84
0.864	29.80	48.00	0.36	30.16	-17.84
1.277	29.90	48.00	0.40	30.30	-17.70
1.987	30.40	48.00	0.40	30.80	-17.20
3.346	29.80	48.00	0.40	30.20	-17.80
14.398	31.30	48.00	0.69	31.99	-16.01

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

Tested by :

Checked by :

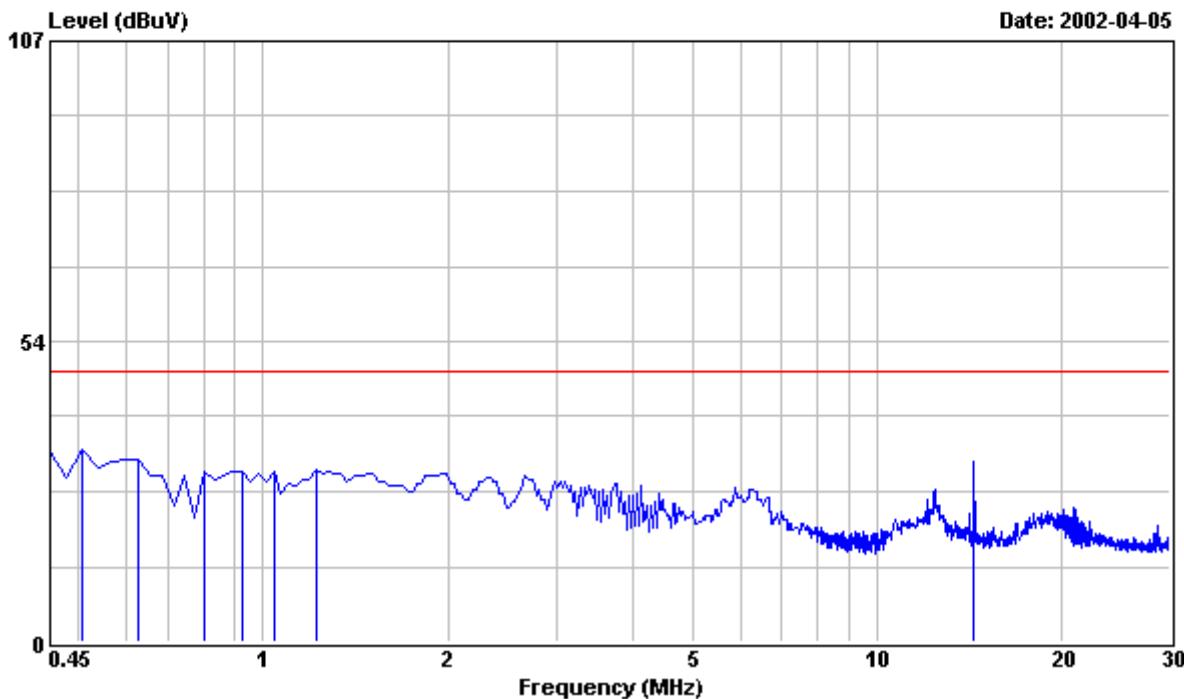


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Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
0.450	33.70	48.00	0.20	33.90	-14.10	
0.509	33.90	48.00	0.23	34.13	-13.87	
0.627	32.10	48.00	0.28	32.38	-15.62	
0.805	30.00	48.00	0.35	30.35	-17.65	
0.923	30.10	48.00	0.38	30.48	-17.52	
1.041	30.00	48.00	0.40	30.40	-17.60	
1.218	30.30	48.00	0.40	30.70	-17.30	
14.398	31.30	48.00	0.69	31.99	-16.01	

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

Tested by :

Checked by :

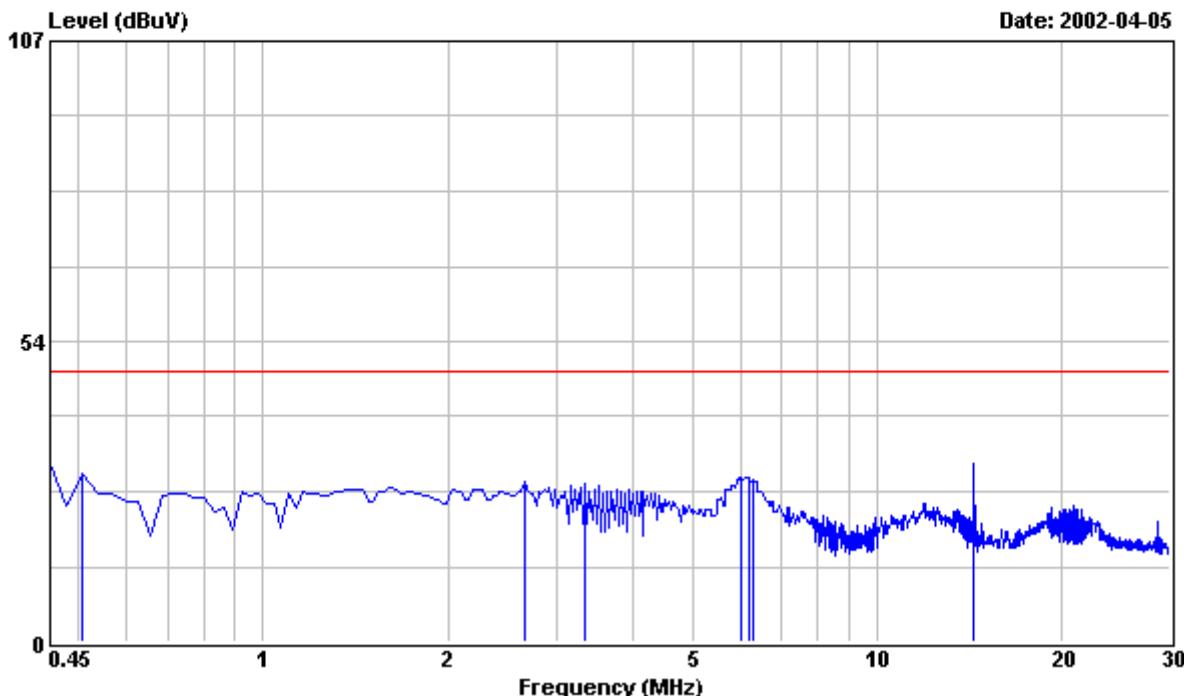


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Data#: 5

File#: C:\Program Files\em3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level LINE		Over Limit dBuV
				Over Limit dBuV		
0.450	31.40	48.00	0.20	31.60		-16.40
0.509	29.90	48.00	0.23	30.13		-17.87
2.666	28.00	48.00	0.40	28.40		-19.60
3.346	27.70	48.00	0.40	28.10		-19.90
6.005	29.00	48.00	0.40	29.40		-18.60
6.183	28.80	48.00	0.40	29.20		-18.80
6.301	28.50	48.00	0.40	28.90		-19.10
14.398	31.00	48.00	0.69	31.69		-16.31

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

Tested by :

Checked by :

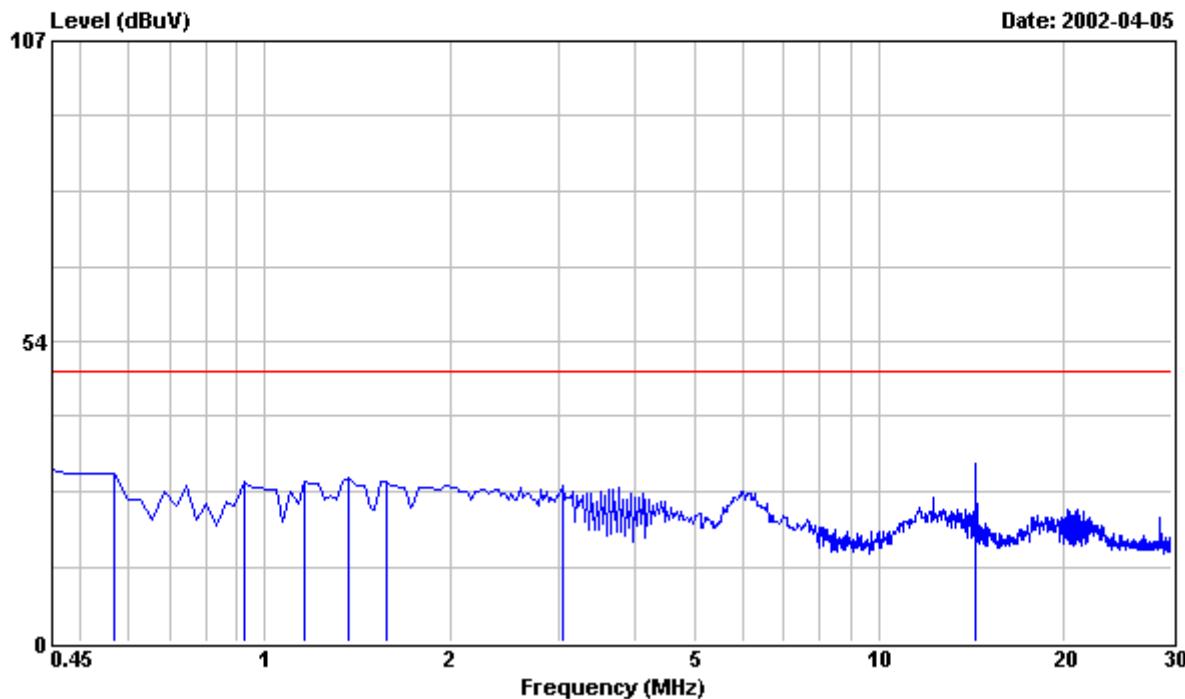


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Data#: 6

File#: C:\Program Files\em3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
0.450	30.60	48.00	0.20	30.80	-17.20	
0.568	29.80	48.00	0.26	30.06	-17.94	
0.923	28.10	48.00	0.38	28.48	-19.52	
1.159	28.20	48.00	0.40	28.60	-19.40	
1.366	28.80	48.00	0.40	29.20	-18.80	
1.573	28.00	48.00	0.40	28.40	-19.60	
3.050	27.50	48.00	0.40	27.90	-20.10	
14.398	31.10	48.00	0.69	31.79	-16.21	

Remarks: 1. All Readings are Peak .
 2. Emission Level (dB_{uV}) = Factor (dB) + Meter Reading (dB_{uV})
 3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by :

Checked by :

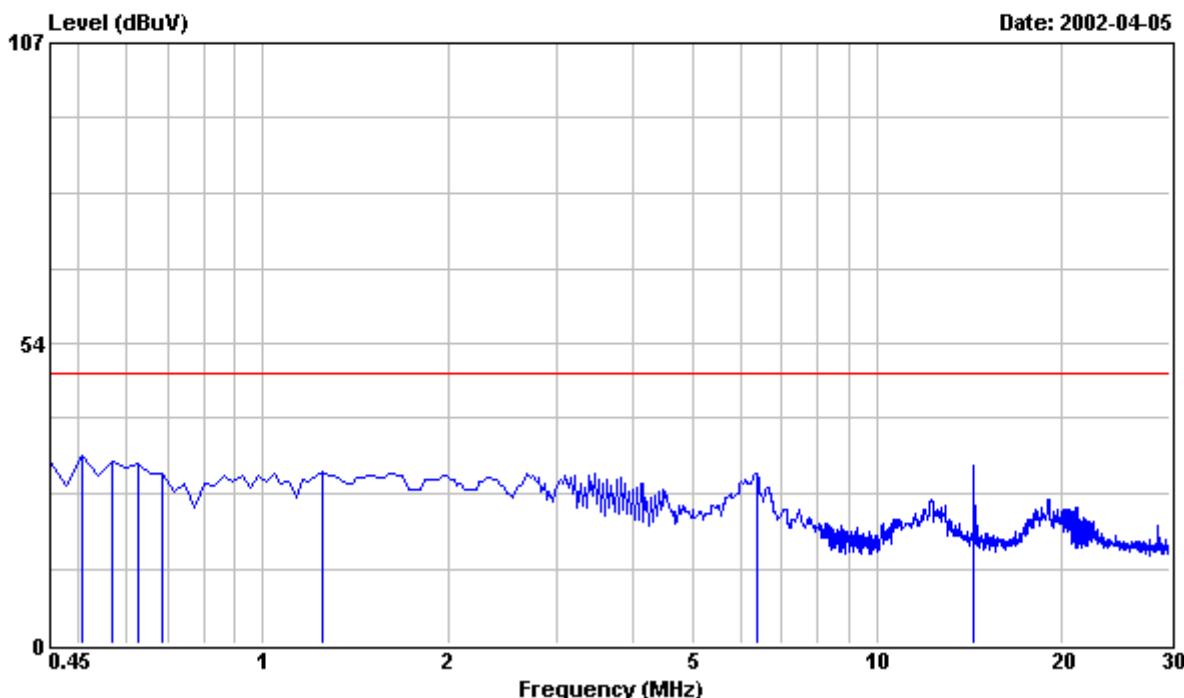


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Data#: 7

File#: C:\Program Files\e3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
MHz	dBuV	dBuV	dB	dBuV	dBuV
0.450	32.20	48.00	0.20	32.40	-15.60
0.509	33.40	48.00	0.23	33.63	-14.37
0.568	32.30	48.00	0.26	32.56	-15.44
0.627	31.90	48.00	0.28	32.18	-15.82
0.686	29.90	48.00	0.31	30.21	-17.79
1.248	30.10	48.00	0.40	30.50	-17.50
6.360	30.00	48.00	0.40	30.40	-17.60
14.398	31.00	48.00	0.69	31.69	-16.31

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

Tested by :

Checked by :

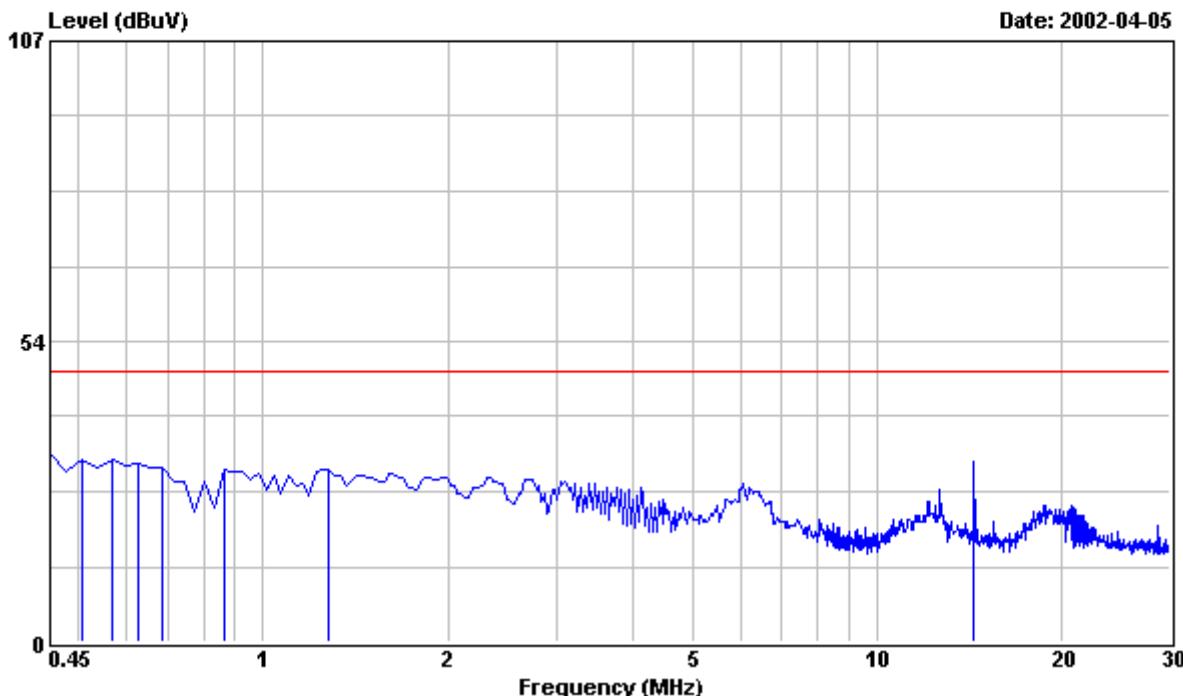


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 8

File#: C:\Program Files\em3\EMI02-012-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
0.450	33.30	48.00	0.20	33.50	-14.50	
0.509	32.40	48.00	0.23	32.63	-15.37	
0.568	32.20	48.00	0.26	32.46	-15.54	
0.627	31.40	48.00	0.28	31.68	-16.32	
0.686	30.80	48.00	0.31	31.11	-16.89	
0.864	30.30	48.00	0.36	30.66	-17.34	
1.277	30.20	48.00	0.40	30.60	-17.40	
14.398	31.50	48.00	0.69	32.19	-15.81	

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

Tested by :

Checked by :

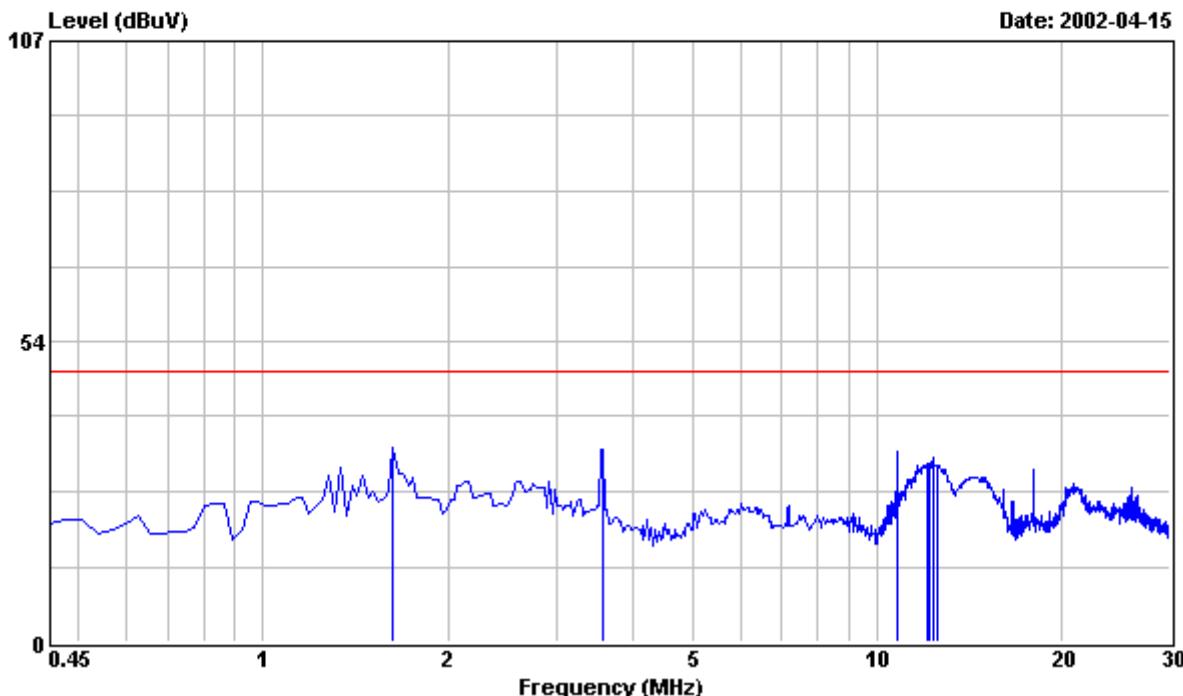


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 1

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
				LINE	
MHz	dBuV	dBuV	dB	dBuV	dBuV
1.632	34.10	48.00	0.40	34.50	-13.50
3.582	33.70	48.00	0.40	34.10	-13.90
10.793	33.20	48.00	0.62	33.82	-14.18
12.093	31.20	48.00	0.65	31.85	-16.15
12.211	31.00	48.00	0.65	31.65	-16.35
12.329	32.10	48.00	0.65	32.75	-15.25
12.388	31.20	48.00	0.65	31.85	-16.15
12.566	30.90	48.00	0.66	31.56	-16.44

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

Tested by : C C.Wu

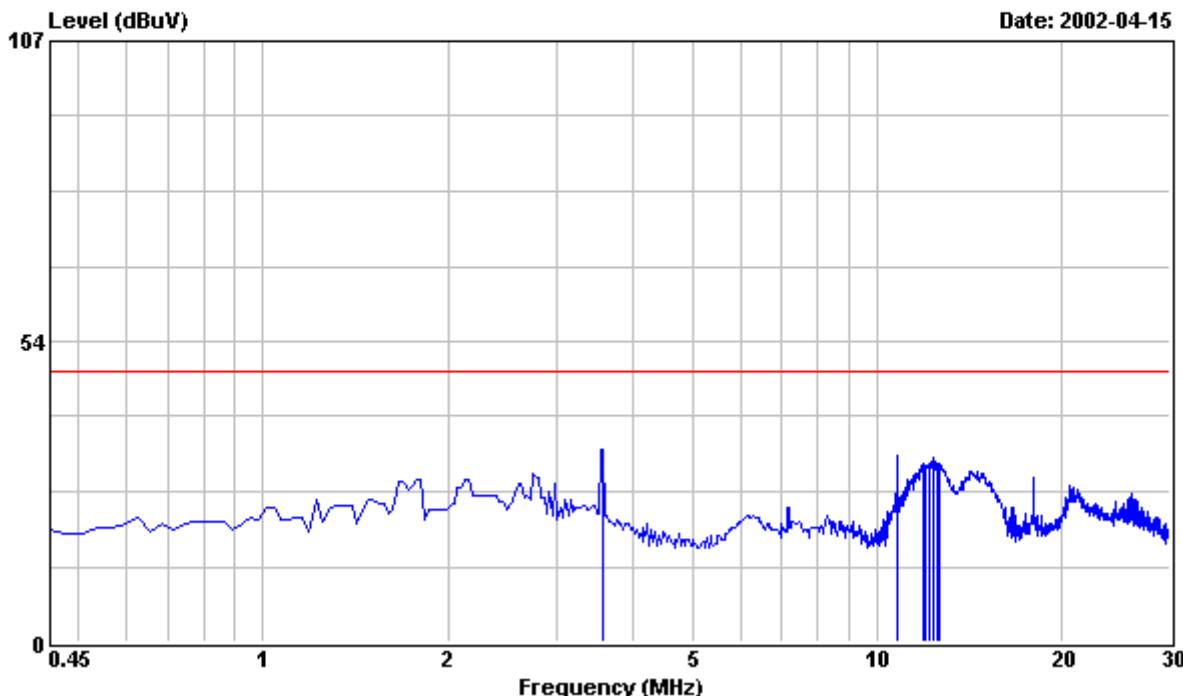


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 2

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
3.582	33.80	48.00	0.40	34.20	-13.80	
10.793	32.70	48.00	0.62	33.32	-14.68	
11.915	31.10	48.00	0.64	31.74	-16.26	
12.034	30.80	48.00	0.65	31.45	-16.55	
12.211	31.10	48.00	0.65	31.75	-16.25	
12.388	32.10	48.00	0.65	32.75	-15.25	
12.566	31.10	48.00	0.66	31.76	-16.24	
12.625	31.00	48.00	0.66	31.66	-16.34	

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

Tested by : C C.Wu

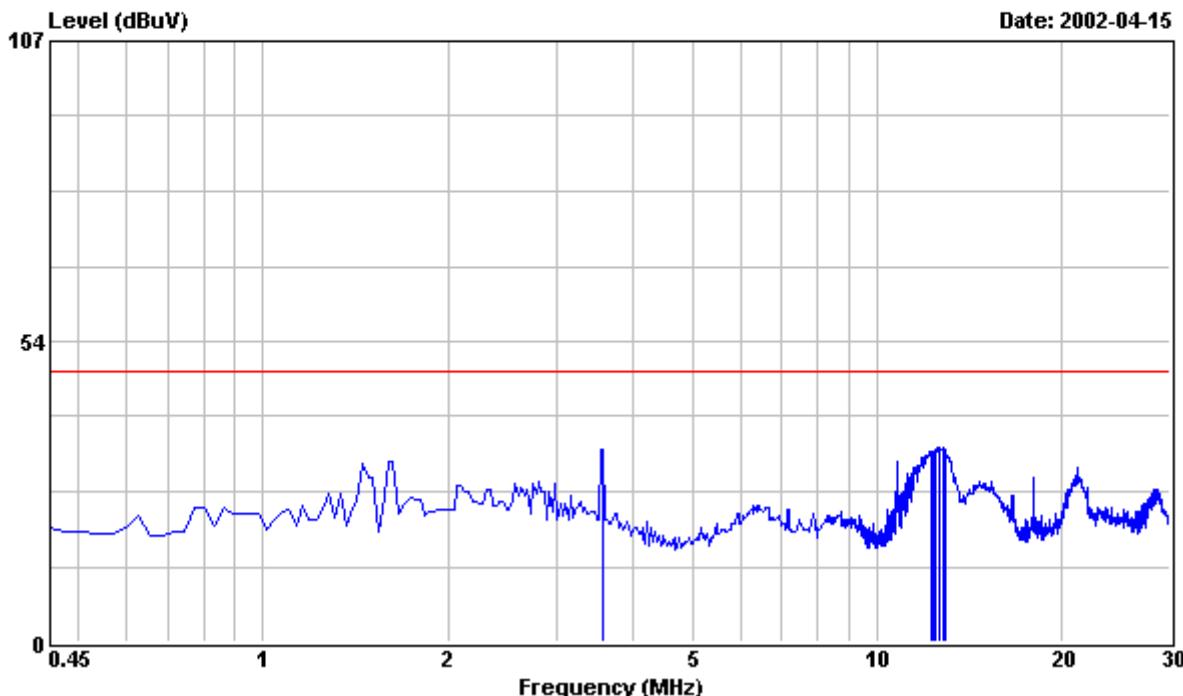


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
				LINE	
MHz	dBuV	dBuV	dB	dBuV	dBuV
3.582	33.90	48.00	0.40	34.30	-13.70
12.270	33.10	48.00	0.65	33.75	-14.25
12.329	33.40	48.00	0.65	34.05	-13.95
12.447	33.70	48.00	0.65	34.35	-13.65
12.625	33.90	48.00	0.66	34.56	-13.44
12.684	33.90	48.00	0.66	34.56	-13.44
12.861	34.10	48.00	0.66	34.76	-13.24
12.920	33.20	48.00	0.66	33.86	-14.14

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

Tested by : C.C.Wu

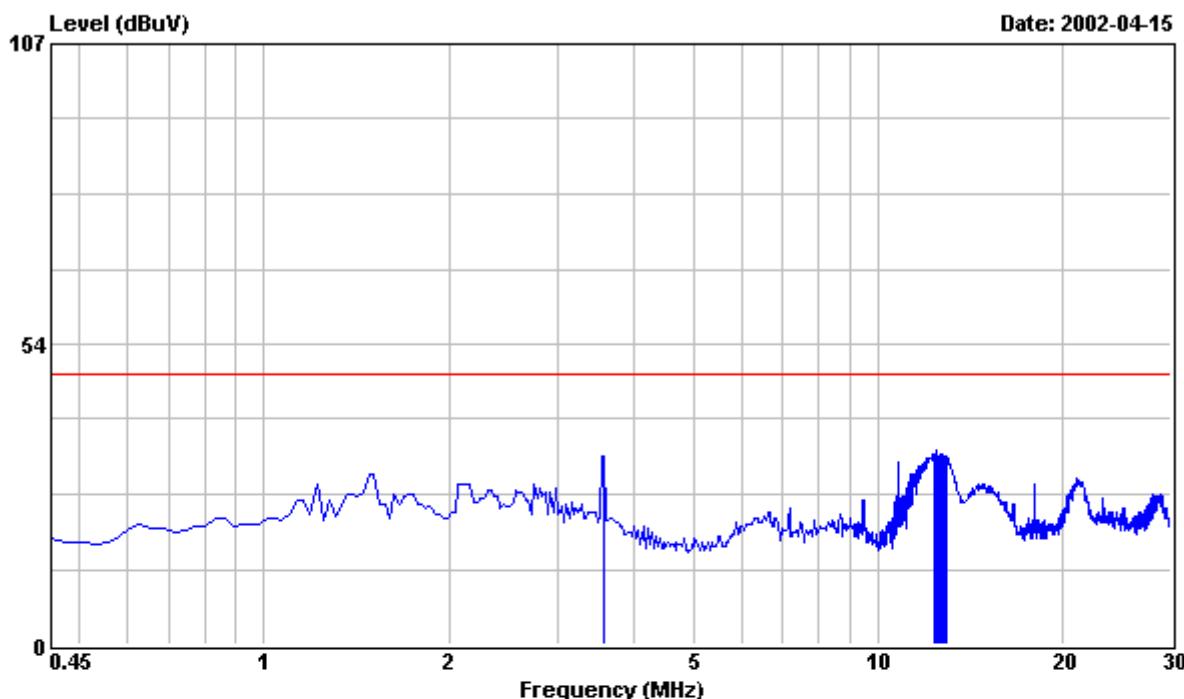


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
3.582	33.30	48.00	0.40	33.70	-14.30	
12.329	33.30	48.00	0.65	33.95	-14.05	
12.447	33.90	48.00	0.65	34.55	-13.45	
12.506	32.90	48.00	0.66	33.56	-14.44	
12.625	33.30	48.00	0.66	33.96	-14.04	
12.743	33.30	48.00	0.66	33.96	-14.04	
12.802	33.00	48.00	0.66	33.66	-14.34	
12.920	32.90	48.00	0.66	33.56	-14.44	

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

Tested by : C C.Wu

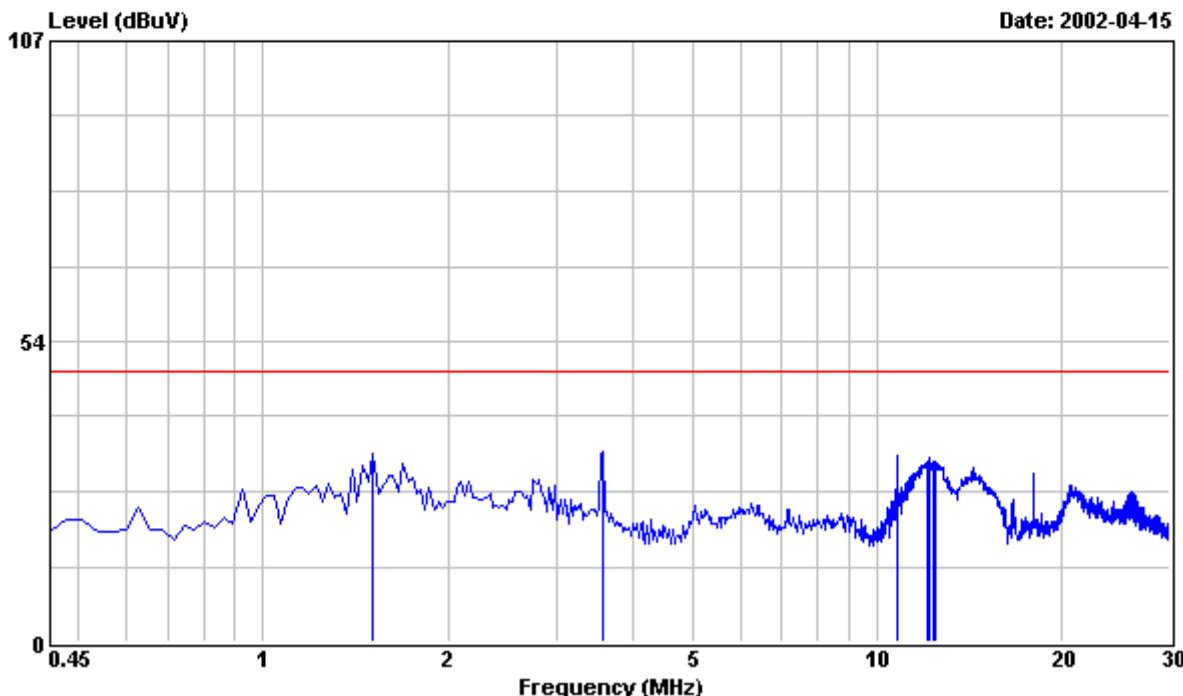


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 5

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
				LINE	
MHz	dBuV	dBuV	dB	dBuV	dBuV
1.514	33.00	48.00	0.40	33.40	-14.60
3.582	33.40	48.00	0.40	33.80	-14.20
10.793	32.40	48.00	0.62	33.02	-14.98
12.093	31.50	48.00	0.65	32.15	-15.85
12.152	32.00	48.00	0.65	32.65	-15.35
12.211	31.60	48.00	0.65	32.25	-15.75
12.388	31.50	48.00	0.65	32.15	-15.85
12.447	31.30	48.00	0.65	31.95	-16.05

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

Tested by : C.C.Wu

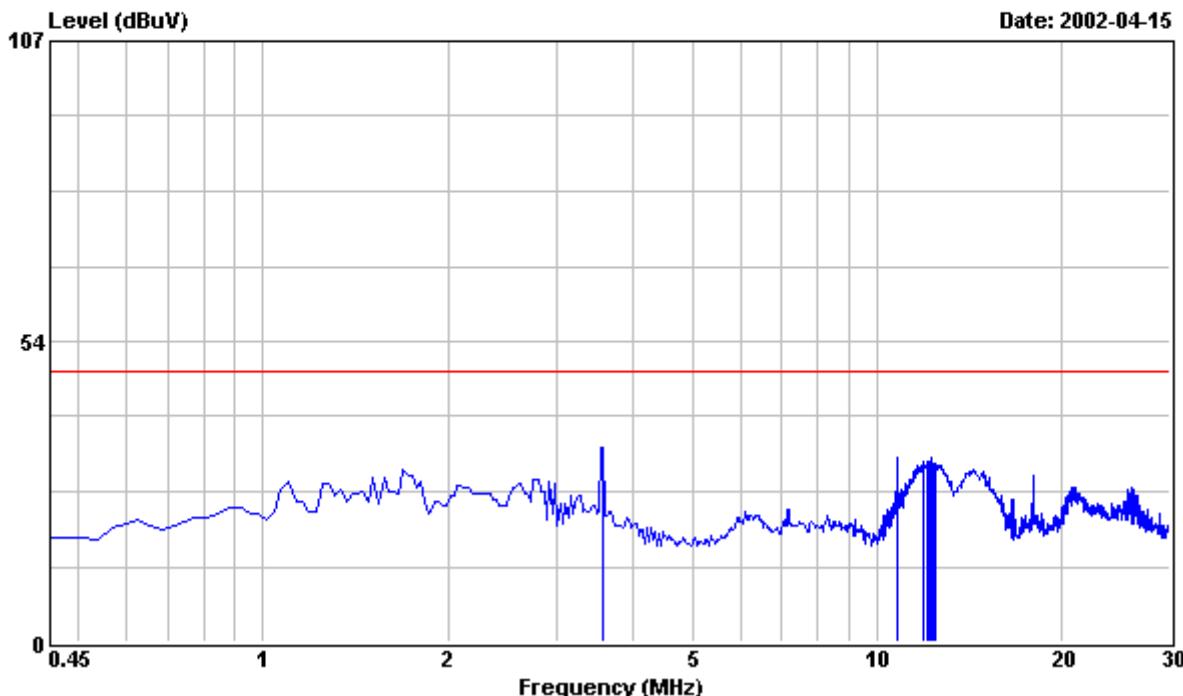


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 6

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
3.582	34.10	48.00	0.40	34.50	-13.50	
10.793	32.20	48.00	0.62	32.82	-15.18	
11.915	31.50	48.00	0.64	32.14	-15.86	
12.093	31.40	48.00	0.65	32.05	-15.95	
12.152	31.20	48.00	0.65	31.85	-16.15	
12.270	32.10	48.00	0.65	32.75	-15.25	
12.329	31.20	48.00	0.65	31.85	-16.15	
12.447	31.00	48.00	0.65	31.65	-16.35	

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

Tested by : C C.Wu

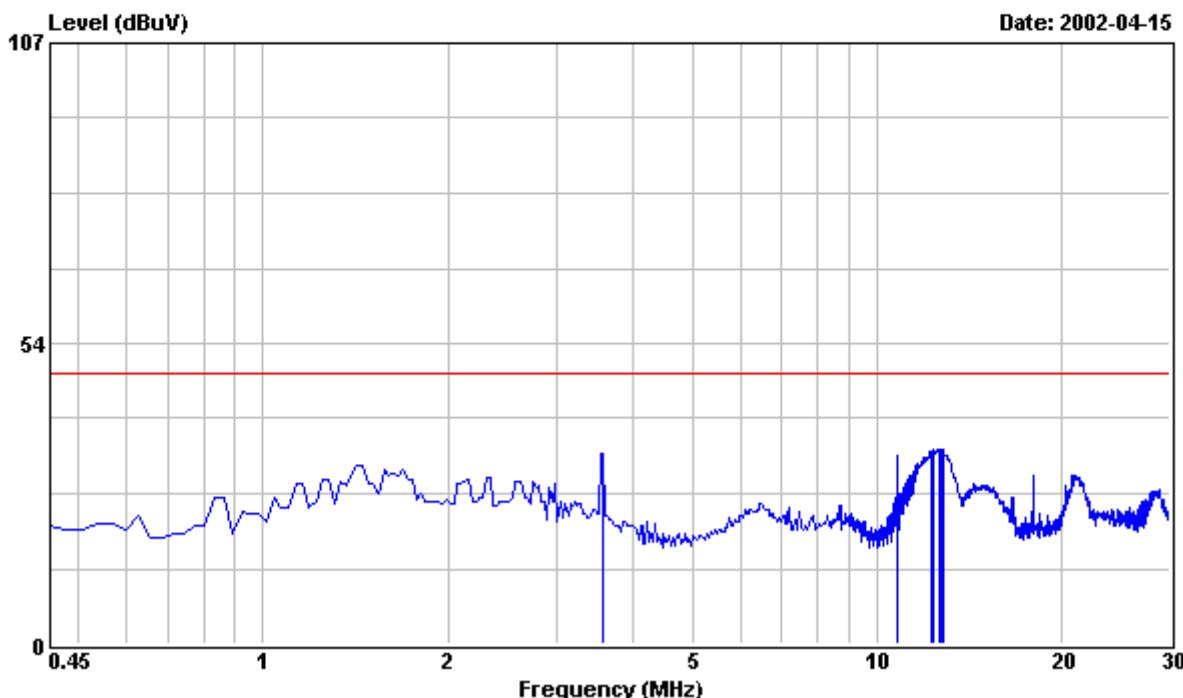


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 7

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
				LINE	
MHz	dBuV	dBuV	dB	dBuV	dBuV
3.582	33.60	48.00	0.40	34.00	-14.00
10.793	33.00	48.00	0.62	33.62	-14.38
12.270	33.60	48.00	0.65	34.25	-13.75
12.329	33.90	48.00	0.65	34.55	-13.45
12.388	33.60	48.00	0.65	34.25	-13.75
12.625	33.90	48.00	0.66	34.56	-13.44
12.713	33.90	48.00	0.66	34.56	-13.44
12.802	33.80	48.00	0.66	34.46	-13.54

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

Tested by : C.C.Wu

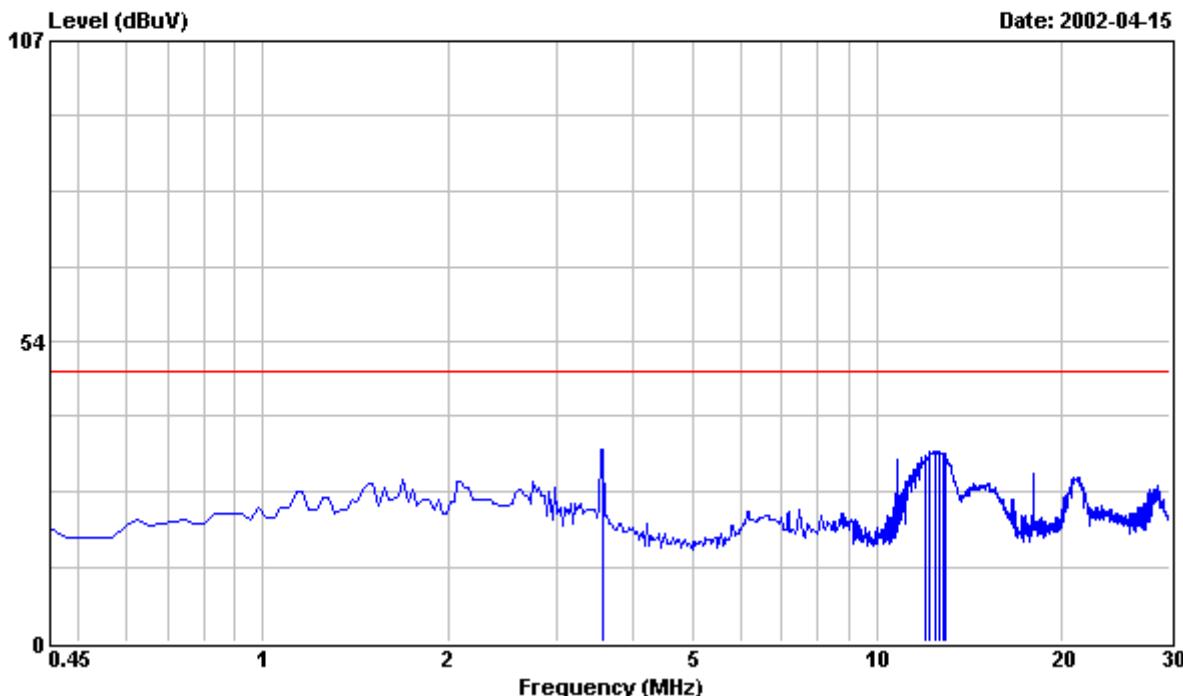


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 8

File#: C:\Program Files\em3\EMI02-013-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
3.582	33.80	48.00	0.40	34.20	-13.80	
12.034	32.60	48.00	0.65	33.25	-14.75	
12.211	33.30	48.00	0.65	33.95	-14.05	
12.447	33.30	48.00	0.65	33.95	-14.05	
12.625	33.40	48.00	0.66	34.06	-13.94	
12.802	33.00	48.00	0.66	33.66	-14.34	
12.920	32.70	48.00	0.66	33.36	-14.64	
12.979	32.30	48.00	0.66	32.96	-15.04	

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

Tested by : C C.Wu

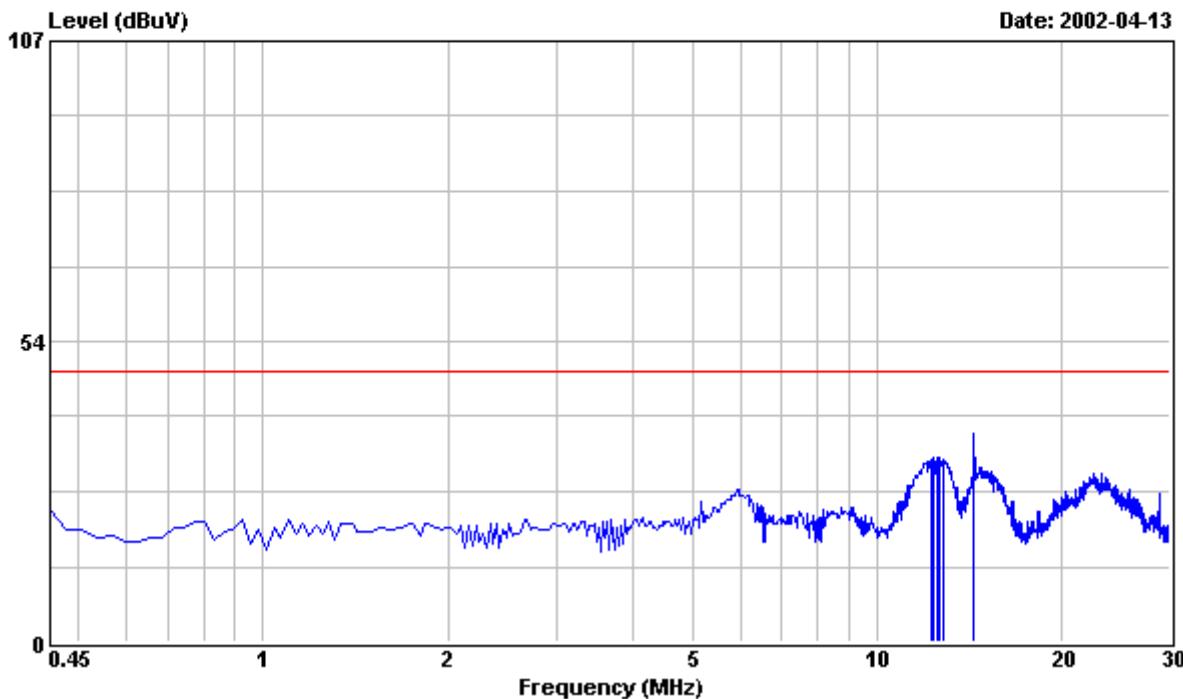


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
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Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 1

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit
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MHz	dBuV	dBuV	dB	dBuV	dBuV
12.270	31.80	48.00	0.65	32.45	-15.55
12.388	32.30	48.00	0.65	32.95	-15.05
12.506	32.20	48.00	0.66	32.86	-15.14
12.566	32.00	48.00	0.66	32.66	-15.34
12.625	32.30	48.00	0.66	32.96	-15.04
12.684	31.90	48.00	0.66	32.56	-15.44
12.802	31.90	48.00	0.66	32.56	-15.44
14.398	36.40	48.00	0.69	37.09	-10.91

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

Tested by : C C.Wu

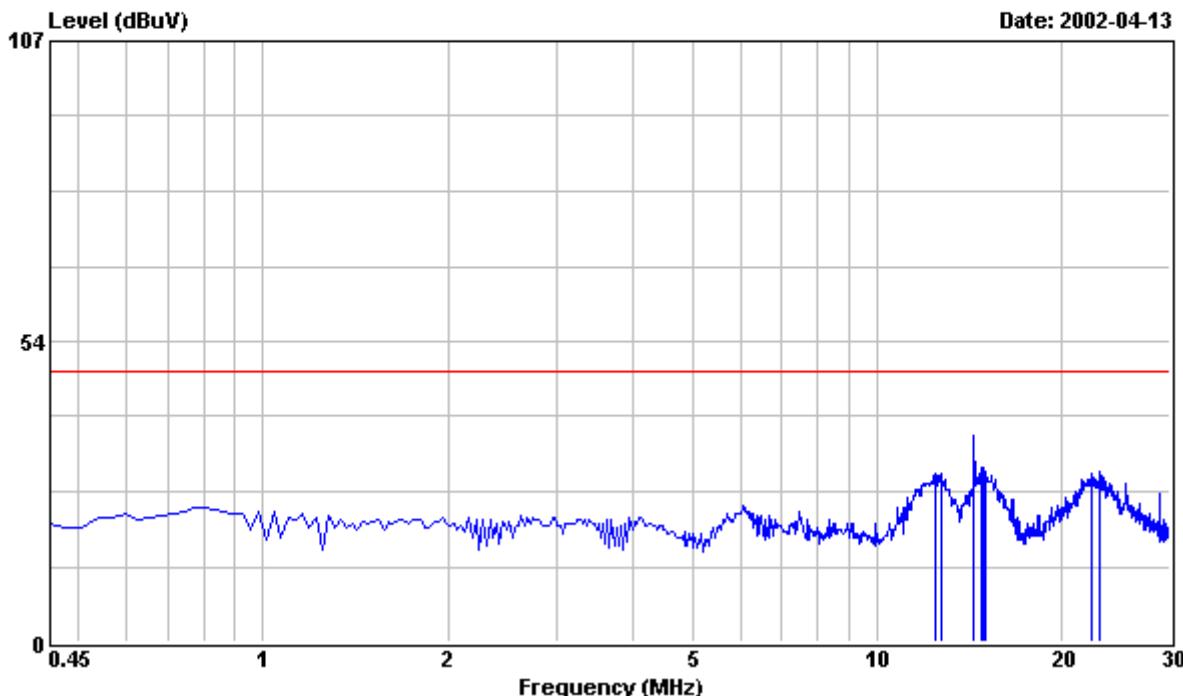


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 2

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
12.447	29.20	48.00	0.65	29.85	-18.15
12.713	29.20	48.00	0.66	29.86	-18.14
14.398	36.10	48.00	0.69	36.79	-11.21
14.752	29.20	48.00	0.70	29.90	-18.10
14.870	30.20	48.00	0.70	30.90	-17.10
14.989	29.50	48.00	0.70	30.20	-17.80
22.376	28.90	48.00	0.95	29.85	-18.15
23.085	29.20	48.00	0.96	30.16	-17.84

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

Tested by : C C.Wu

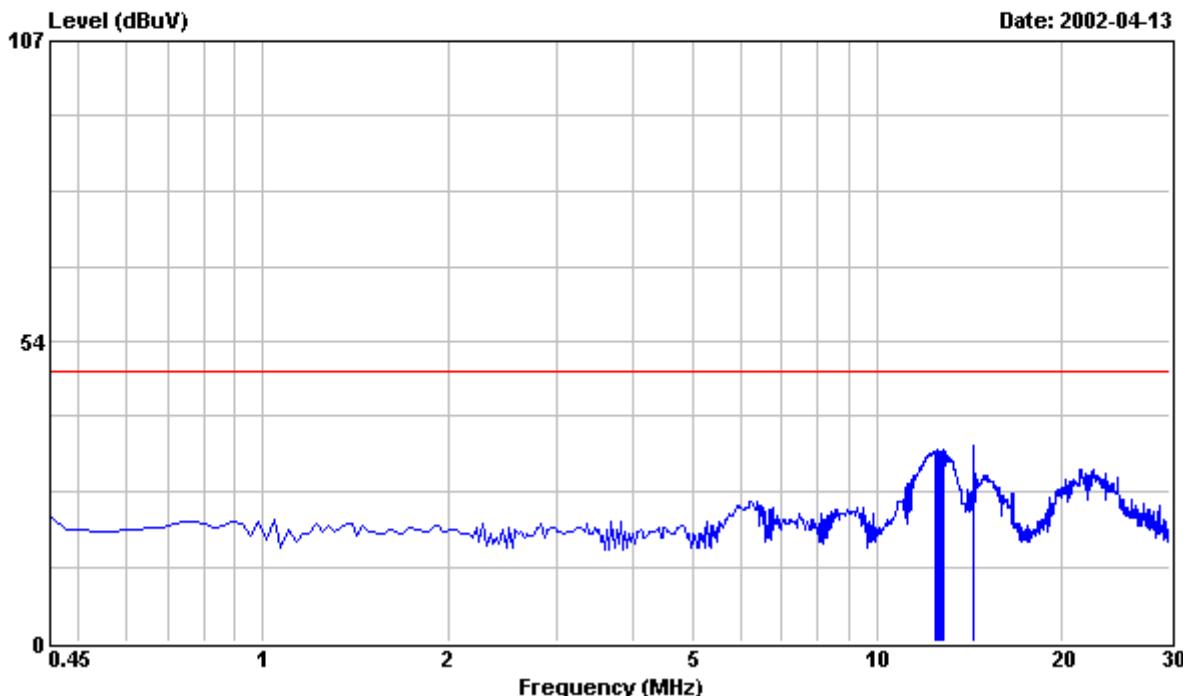


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
12.447	33.20	48.00	0.65	33.85	-14.15
12.506	33.30	48.00	0.66	33.96	-14.04
12.566	33.50	48.00	0.66	34.16	-13.84
12.625	33.20	48.00	0.66	33.86	-14.14
12.743	33.40	48.00	0.66	34.06	-13.94
12.802	33.40	48.00	0.66	34.06	-13.94
12.861	33.40	48.00	0.66	34.06	-13.94
14.398	34.40	48.00	0.69	35.09	-12.91

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

Tested by : C C.Wu

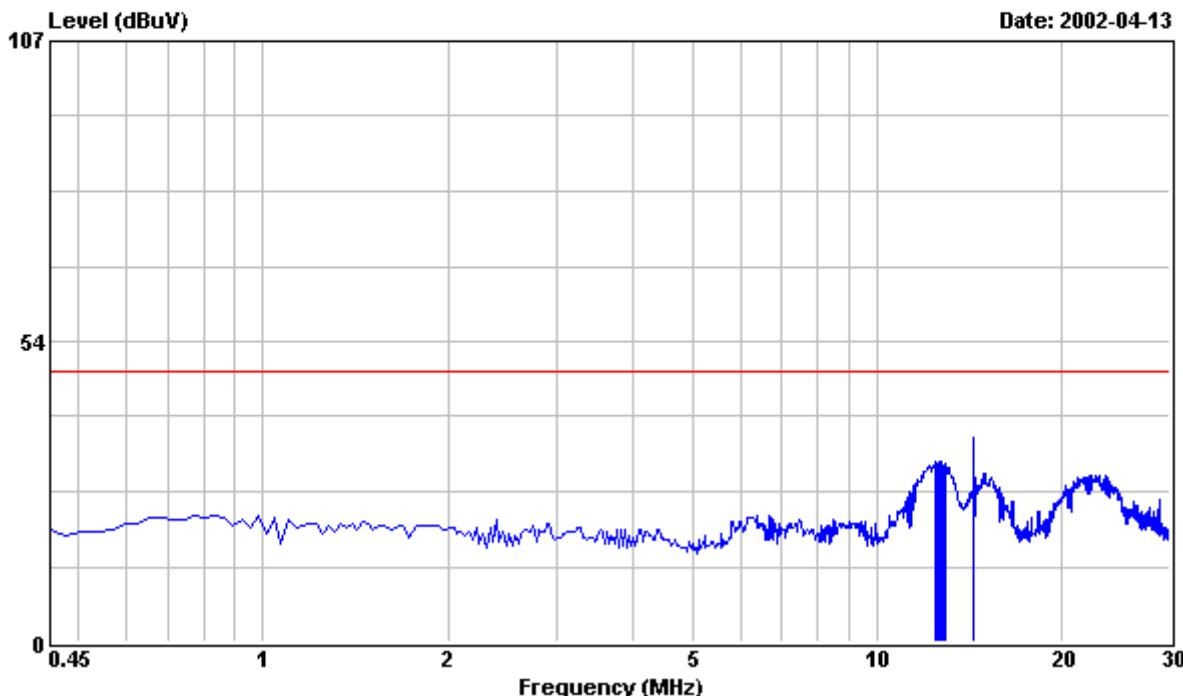


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
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Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 4

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
12.447	31.40	48.00	0.65	32.05	-15.95
12.506	31.10	48.00	0.66	31.76	-16.24
12.625	31.40	48.00	0.66	32.06	-15.94
12.684	31.00	48.00	0.66	31.66	-16.34
12.743	31.40	48.00	0.66	32.06	-15.94
12.802	30.90	48.00	0.66	31.56	-16.44
12.979	31.10	48.00	0.66	31.76	-16.24
14.398	35.80	48.00	0.69	36.49	-11.51

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

Tested by : C C.Wu

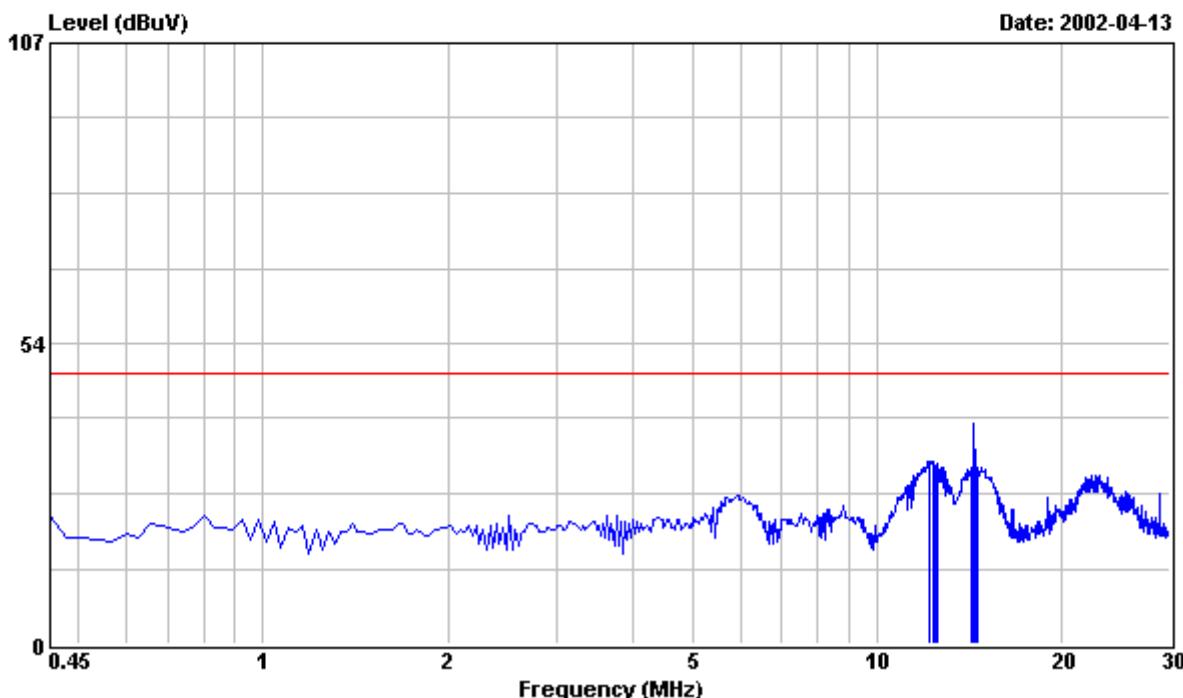


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 5

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & DVI I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
12.152	31.70	48.00	0.65	32.35	-15.65
12.329	31.70	48.00	0.65	32.35	-15.65
12.447	31.00	48.00	0.65	31.65	-16.35
12.566	31.30	48.00	0.66	31.96	-16.04
14.220	30.80	48.00	0.69	31.49	-16.51
14.398	38.40	48.00	0.69	39.09	-8.91
14.457	30.70	48.00	0.69	31.39	-16.61
14.575	30.80	48.00	0.69	31.49	-16.51

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

Tested by : C C.Wu

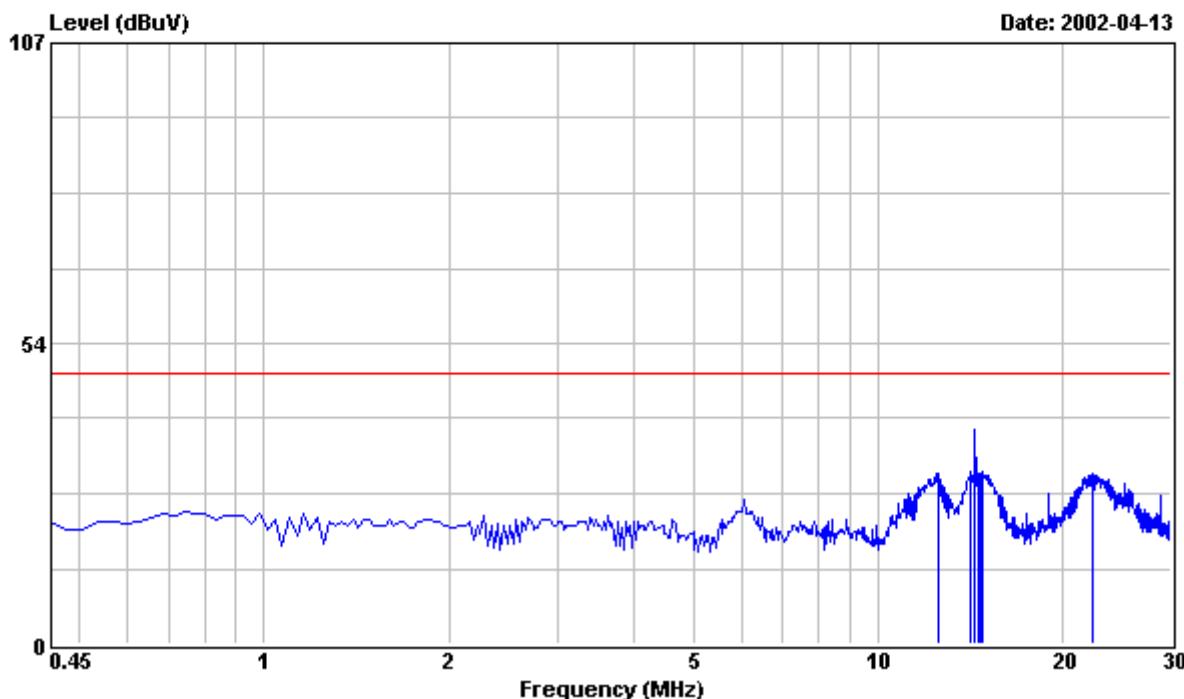


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
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Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 6

File#: C:\Program Files\em3\EMIO2-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & DVI I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
12.506	29.70	48.00	0.66	30.36	-17.64
14.161	30.00	48.00	0.69	30.69	-17.31
14.339	29.90	48.00	0.69	30.59	-17.41
14.398	37.60	48.00	0.69	38.29	-9.71
14.575	29.80	48.00	0.69	30.49	-17.51
14.693	29.71	48.00	0.69	30.40	-17.60
14.752	30.10	48.00	0.70	30.80	-17.20
22.376	29.40	48.00	0.95	30.35	-17.65

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

Tested by : C.C.Wu

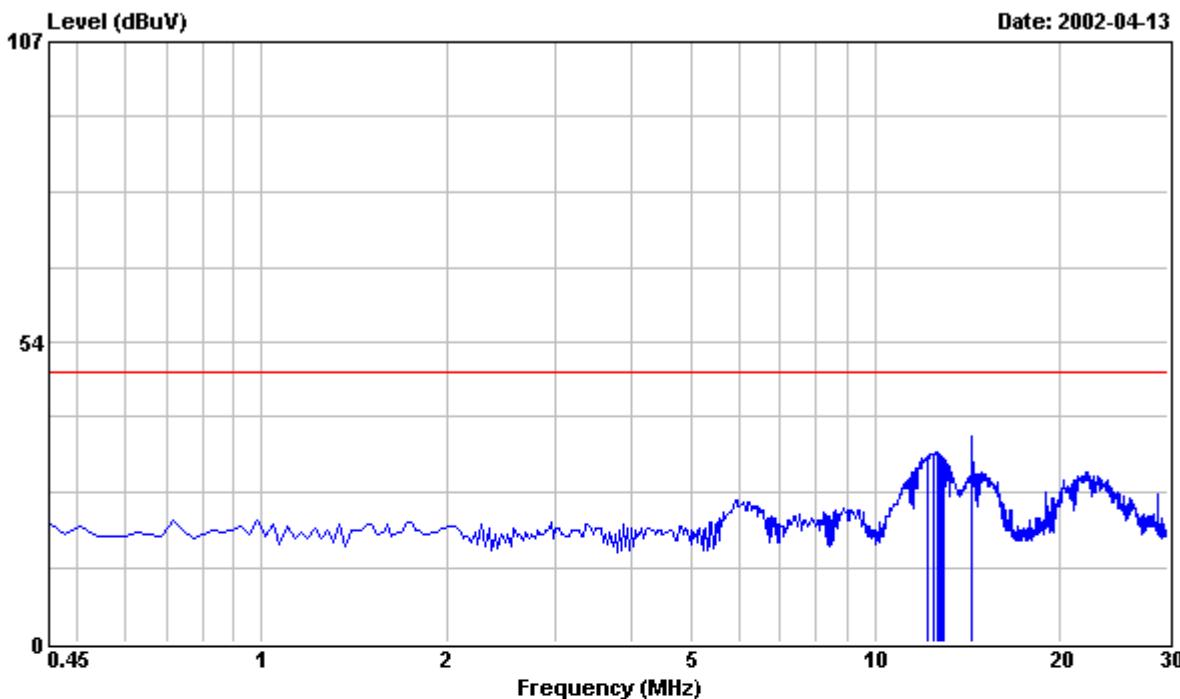


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel: +886-3-4549862 Fax: +886-3-4549887

Data#: 7

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & DVI I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
12.211	32.50	48.00	0.65	33.15	-14.85
12.447	33.00	48.00	0.65	33.65	-14.35
12.654	33.20	48.00	0.66	33.86	-14.14
12.743	32.90	48.00	0.66	33.56	-14.44
12.802	32.60	48.00	0.66	33.26	-14.74
12.861	32.50	48.00	0.66	33.16	-14.84
12.920	32.30	48.00	0.66	32.96	-15.04
14.398	36.00	48.00	0.69	36.69	-11.31

Remarks: 1. All Readings are Peak .
 2. Emission Level (dB_{uV}) = Factor (dB) + Meter Reading (dB_{uV})
 3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C C.Wu

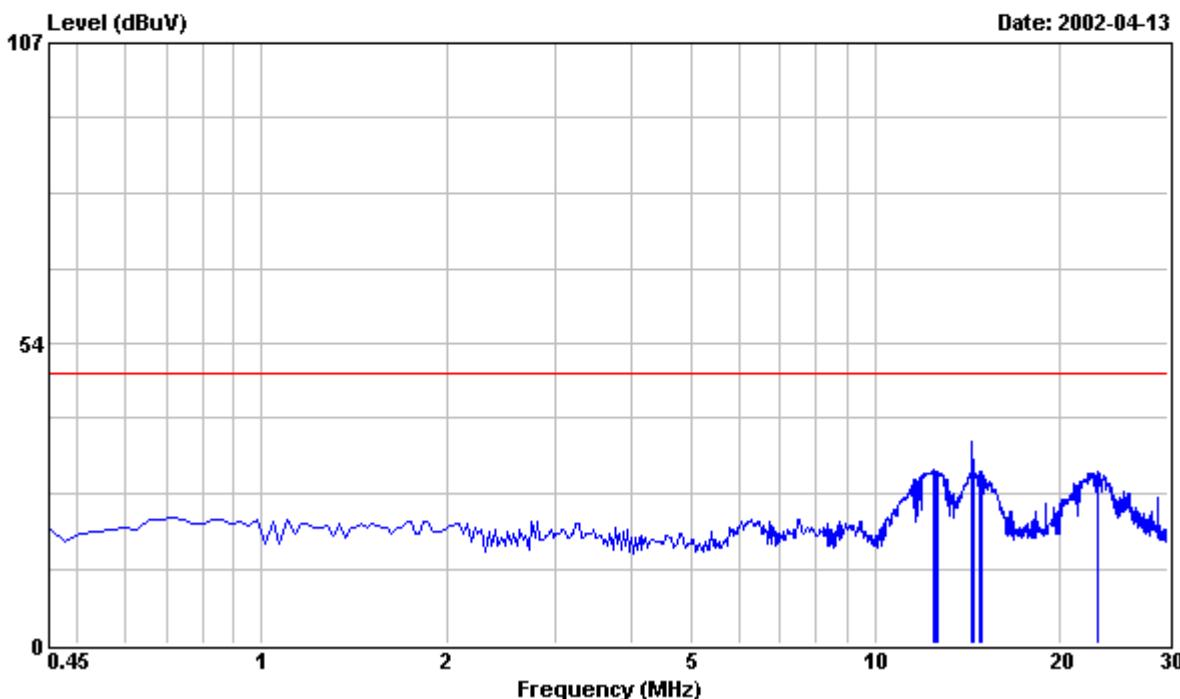


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 8

File#: C:\Program Files\em3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & DVI I/F CABLE
 : WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				NEUTRAL		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
12.447	30.30	48.00	0.65	30.95	-17.05	
12.506	30.00	48.00	0.66	30.66	-17.34	
12.625	29.90	48.00	0.66	30.56	-17.44	
14.398	35.40	48.00	0.69	36.09	-11.91	
14.516	30.40	48.00	0.69	31.09	-16.91	
14.811	29.80	48.00	0.70	30.50	-17.50	
14.930	29.80	48.00	0.70	30.50	-17.50	
23.144	29.71	48.00	0.96	30.67	-17.33	

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

Tested by : C C.Wu

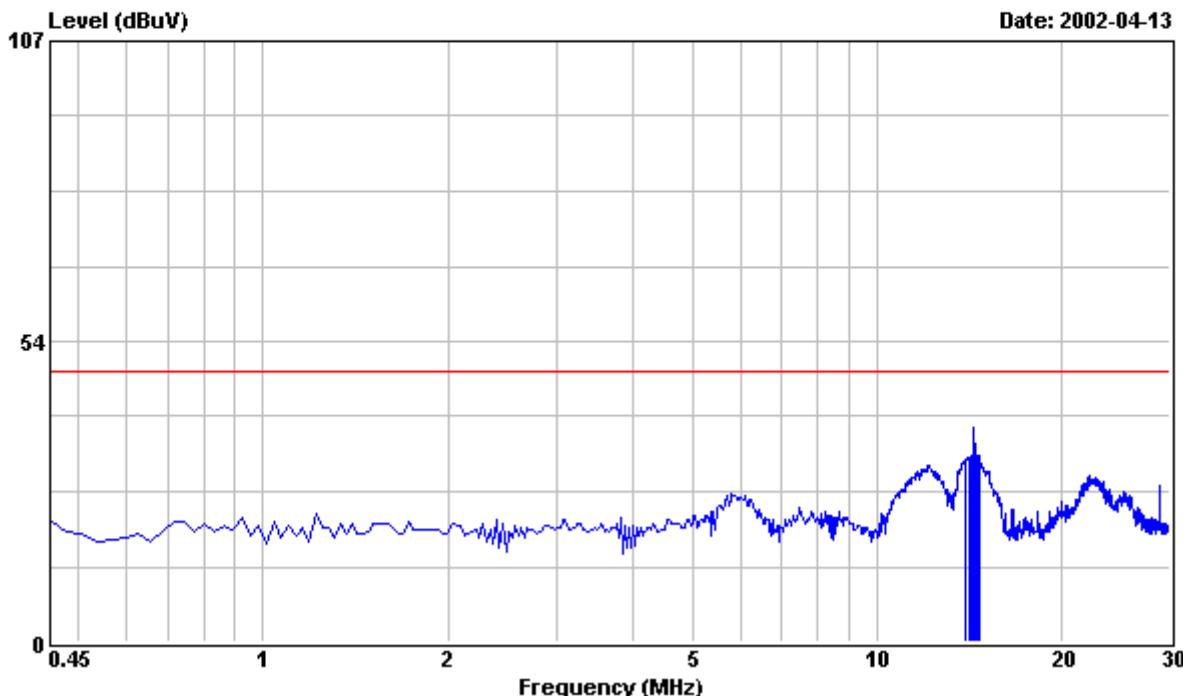


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 9

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
13.925	31.90	48.00	0.68	32.58	-15.42
14.102	32.11	48.00	0.68	32.79	-15.21
14.220	32.00	48.00	0.69	32.69	-15.31
14.398	37.40	48.00	0.69	38.09	-9.91
14.457	32.00	48.00	0.69	32.69	-15.31
14.575	32.50	48.00	0.69	33.19	-14.81
14.634	31.70	48.00	0.69	32.39	-15.61
14.693	32.31	48.00	0.69	33.00	-15.00

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

Tested by : C C.Wu

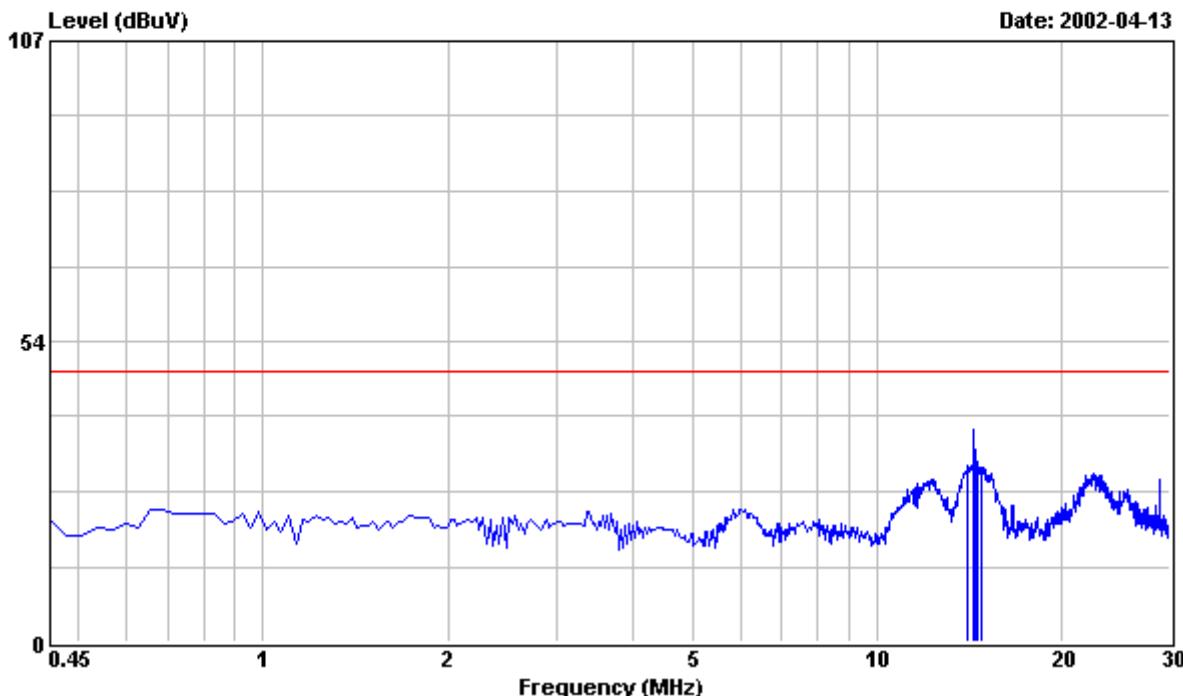


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 10

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
14.043	30.70	48.00	0.68	31.38	-16.62
14.339	30.70	48.00	0.69	31.39	-16.61
14.398	37.10	48.00	0.69	37.79	-10.21
14.457	31.10	48.00	0.69	31.79	-16.21
14.516	30.70	48.00	0.69	31.39	-16.61
14.575	30.80	48.00	0.69	31.49	-16.51
14.634	31.40	48.00	0.69	32.09	-15.91
14.752	30.40	48.00	0.70	31.10	-16.90

Remarks: 1. All Readings are Peak .

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

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

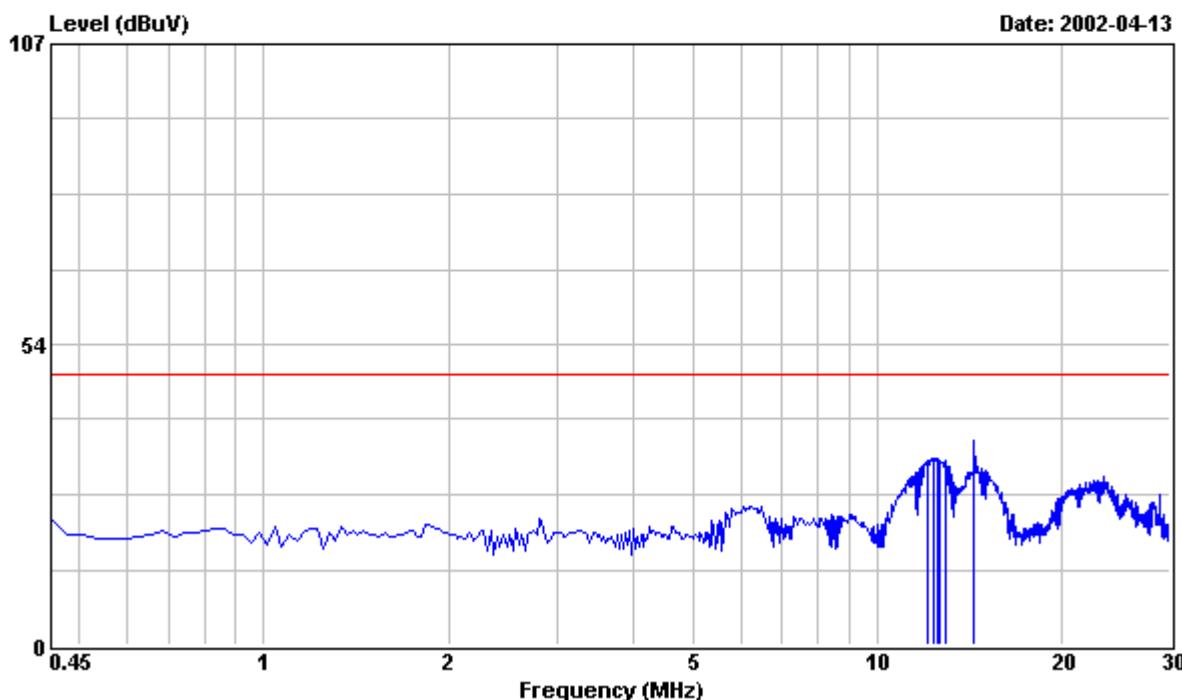
Tested by : C C.Wu



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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\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L1 LINE
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level		Over Limit
				LINE		
MHz	dBuV	dBuV	dB	dBuV	dBuV	
12.093	32.00	48.00	0.65	32.65	-15.35	
12.329	32.40	48.00	0.65	33.05	-14.95	
12.506	32.50	48.00	0.66	33.16	-14.84	
12.566	32.30	48.00	0.66	32.96	-15.04	
12.625	32.20	48.00	0.66	32.86	-15.14	
12.684	31.90	48.00	0.66	32.56	-15.44	
12.920	32.00	48.00	0.66	32.66	-15.34	
14.398	35.60	48.00	0.69	36.29	-11.71	

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

Tested by : C C.Wu

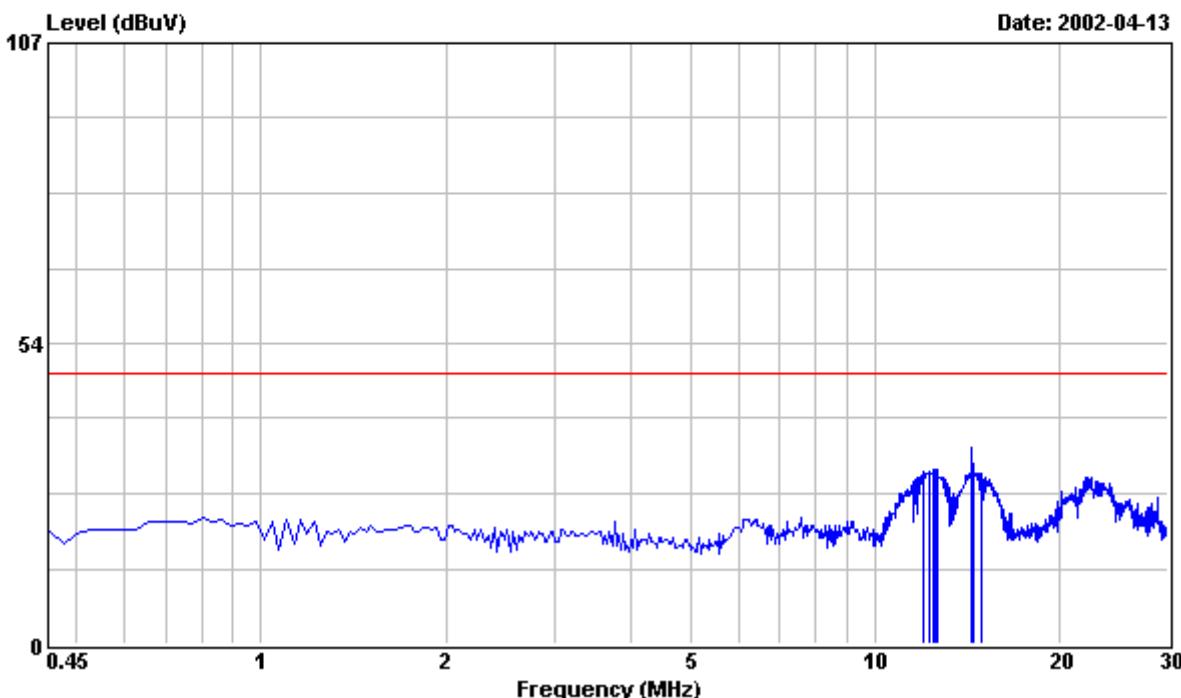


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 12

File#: C:\Program Files\e3\EMI02-014-C.emi



Site : PHILIPS EMI Shielding Room
 Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 220VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

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

MHz	dBuV	dBuV	dB	dBuV	dBuV
12.034	29.90	48.00	0.65	30.55	-17.45
12.300	30.20	48.00	0.65	30.85	-17.15
12.447	30.30	48.00	0.65	30.95	-17.05
12.506	30.00	48.00	0.66	30.66	-17.34
12.625	30.20	48.00	0.66	30.86	-17.14
14.398	34.40	48.00	0.69	35.09	-12.91
14.486	29.90	48.00	0.69	30.59	-17.41
14.870	29.70	48.00	0.70	30.40	-17.60

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

Tested by : C C.Wu

8. .Radiated Emission Test

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 Quasi-Peak
88.0 – 216.0	43.5	43.5 Quasi-Peak
216.0 – 960.0	46.5	46.0 Quasi-Peak
960.0 – 1000.0	49.5	54.0 Quasi-Peak
Above 1000.0	49.5	54.0 Average

Test Result :

Passed FCC Class B Limits

Remark:

Date of Test

: 05 Apr., 2002 to 17 Apr., 2002

Test Engineer

: C.C.Wu

For detail measurement results see next pages.

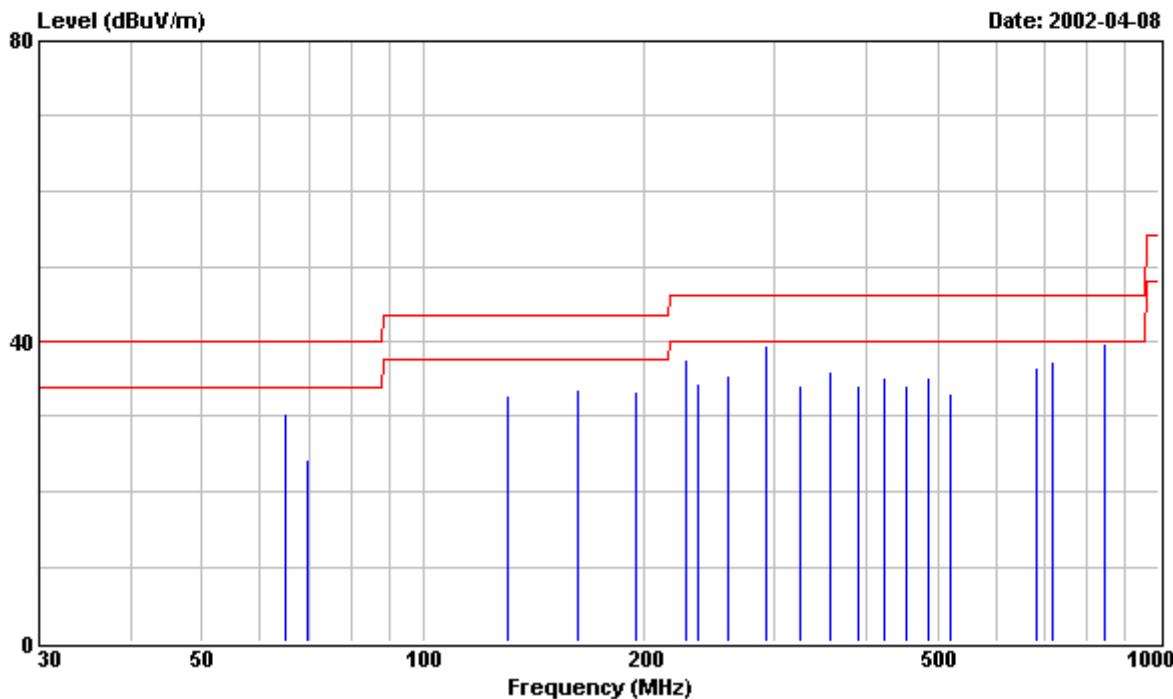


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 1

File#: C:\Program Files\em3\EMI02-012-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level Over Limit	
					HORIZONTAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
65.010	20.40	---	40.00	9.95	30.35	-9.65
69.640	14.30	---	40.00	10.00	24.30	-15.70
130.010	20.10	---	43.50	12.69	32.79	-10.71
162.510	19.80	---	43.50	13.77	33.57	-9.93
195.000	17.40	---	43.50	15.86	33.26	-10.24
227.500	18.90	---	46.00	18.73	37.63	-8.37
236.280	14.90	---	46.00	19.45	34.35	-11.65
260.000	14.30	---	46.00	21.07	35.37	-10.63
292.500	16.80	---	46.00	22.78	39.58	-6.42
325.010	17.20	---	46.00	16.99	34.19	-11.81
357.510	18.40	---	46.00	17.65	36.05	-9.95
390.010	16.00	---	46.00	18.21	34.21	-11.79
422.510	16.60	---	46.00	18.71	35.31	-10.69
455.000	15.10	---	46.00	19.14	34.24	-11.76
487.500	15.70	---	46.00	19.56	35.26	-10.74

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 MHz	Peak dBuV	QP dBuV	Reading dBuV/m	Limit dB/m	Factor dBuV/m	Emission Level	Over Limit
						HORIZONTAL	
520.000	13.00	---	46.00	20.05	33.05	-12.95	
682.460	13.30	---	46.00	23.13	36.43	-9.57	
714.960	13.60	---	46.00	23.71	37.31	-8.69	
844.970	14.10	---	46.00	25.51	39.61	-6.39	

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 :

Checked by :

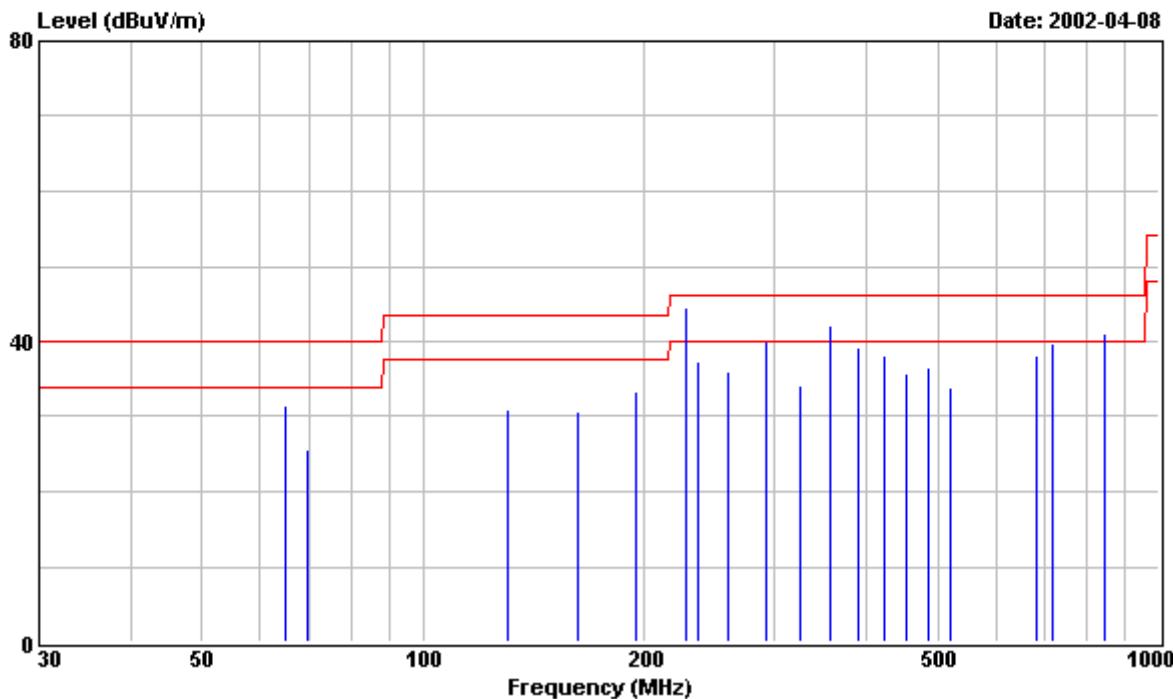


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 2

File#: C:\Program Files\em3\EMI02-012-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Reading	Limit	Factor Emission Level Over Limit		
					VERTICAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
65.010	21.50	---	40.00	9.95	31.45	-8.55	
69.640	15.60	---	40.00	10.00	25.60	-14.40	
130.010	18.20	---	43.50	12.69	30.89	-12.61	
162.510	16.90	---	43.50	13.77	30.67	-12.83	
195.000	17.40	---	43.50	15.86	33.26	-10.24	
227.500	25.70	---	46.00	18.73	44.43	-1.57	
227.500	---	24.40	46.00	18.73	43.13	-2.87	
236.280	17.80	---	46.00	19.45	37.25	-8.75	
260.000	14.90	---	46.00	21.07	35.97	-10.03	
292.500	17.10	---	46.00	22.78	39.88	-6.12	
325.010	17.10	---	46.00	16.99	34.09	-11.91	
357.510	---	23.30	46.00	17.65	40.95	-5.05	
357.510	24.50	---	46.00	17.65	42.15	-3.85	
390.010	21.00	---	46.00	18.21	39.21	-6.79	
422.510	19.40	---	46.00	18.71	38.11	-7.89	

Remarks: 1. All readings are Peak & Quasi-peak values.
 2. Emission Level (dB_BV/m) = Factor (dB/m) + Meter reading (dB_BV/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 MHz	Peak dBuV	QP dBuV	Reading dBuV/m	Limit dB/m	Factor dBuV/m	Emission Level	Over Limit
						VERTICAL	
455.000	16.60	---	46.00	19.14	35.74	-10.26	
487.500	17.00	---	46.00	19.56	36.56	-9.44	
520.000	13.80	---	46.00	20.05	33.85	-12.15	
682.460	14.90	---	46.00	23.13	38.03	-7.97	
714.960	16.10	---	46.00	23.71	39.81	-6.19	
844.970	15.60	---	46.00	25.51	41.11	-4.89	
844.970	---	13.90	46.00	25.51	39.41	-6.59	

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 :

Checked by :

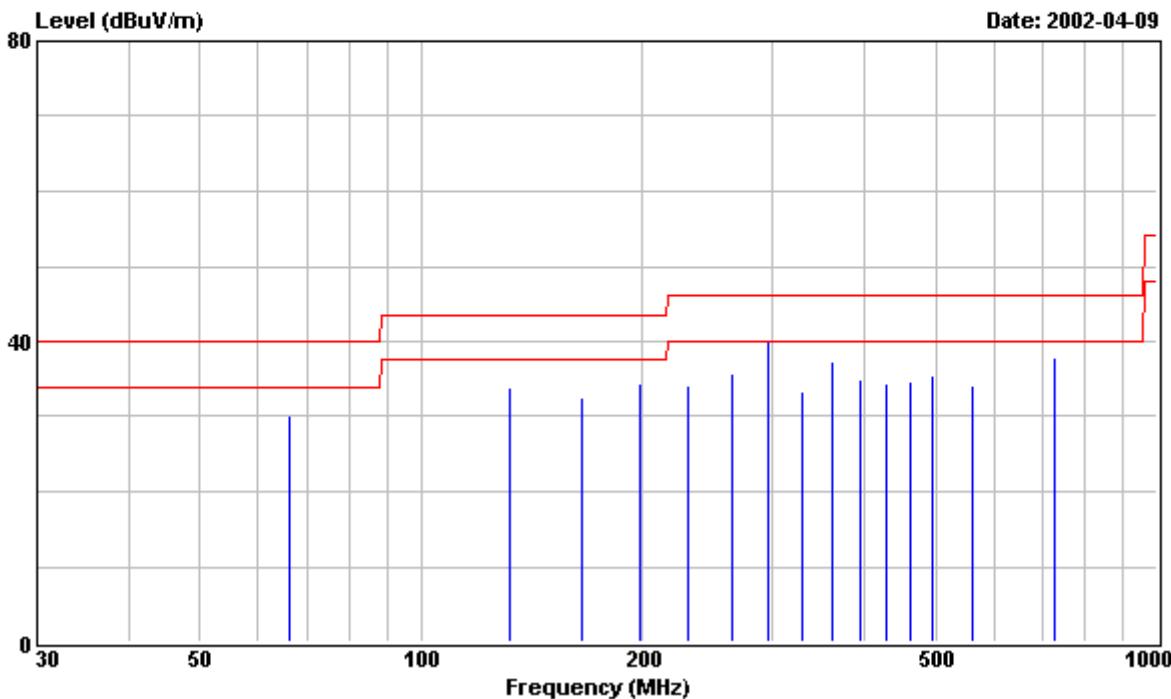


PHILIPS

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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#: 3

File#: C:\Program Files\em3\EMI02-012-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level Over Limit	
					HORIZONTAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
66.000	20.30	---	40.00	9.96	30.26	-9.74
132.000	21.00	---	43.50	12.78	33.78	-9.72
165.000	18.80	---	43.50	13.83	32.63	-10.87
198.000	18.20	---	43.50	16.11	34.31	-9.19
231.000	15.20	---	46.00	18.99	34.19	-11.81
264.000	14.40	---	46.00	21.28	35.68	-10.32
297.000	17.00	---	46.00	23.04	40.04	-5.96
330.000	16.20	---	46.00	17.11	33.31	-12.69
363.000	19.50	---	46.00	17.74	37.24	-8.76
396.000	16.70	---	46.00	18.33	35.03	-10.97
429.000	15.50	---	46.00	18.81	34.31	-11.69
462.000	15.50	---	46.00	19.25	34.75	-11.25
495.000	15.90	---	46.00	19.64	35.54	-10.46
561.000	13.60	---	46.00	20.65	34.25	-11.75
726.000	14.10	---	46.00	23.88	37.98	-8.02

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

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 :

Checked by :

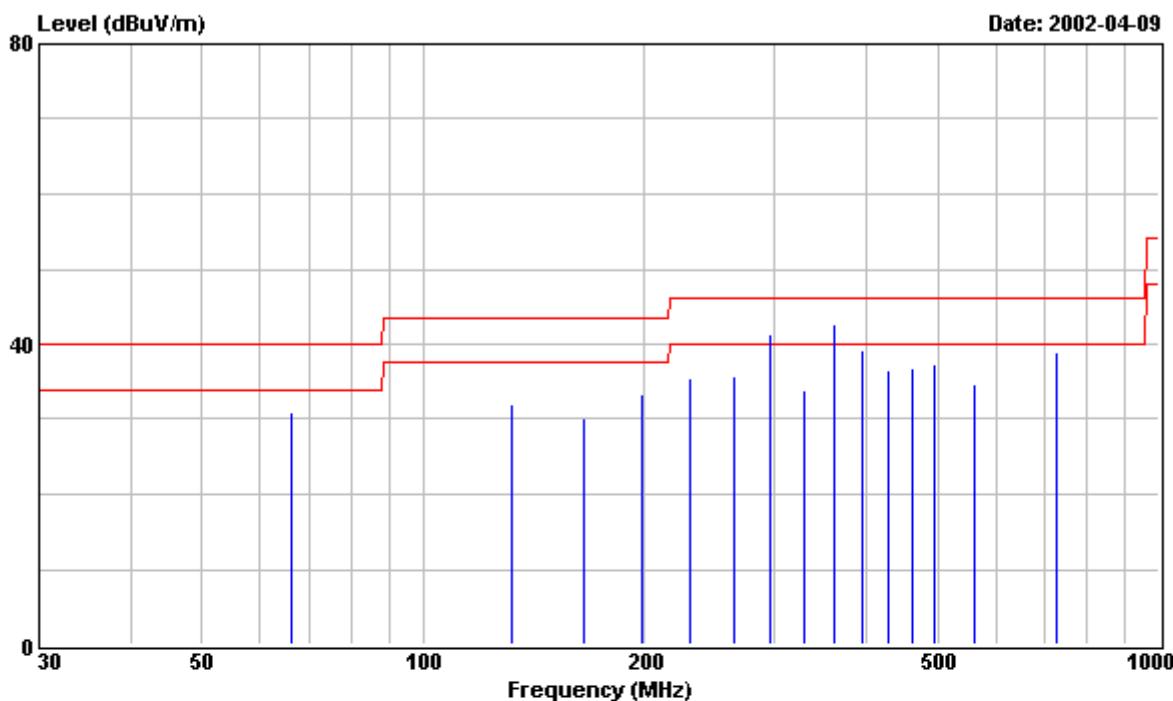


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI02-012-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 150S3 Serial No:TY0205074
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. 1024X768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level Over Limit	
					VERTICAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
66.000	20.90	---	40.00	9.96	30.86	-9.14
132.000	19.10	---	43.50	12.78	31.88	-11.62
165.000	16.30	---	43.50	13.83	30.13	-13.37
198.000	17.30	---	43.50	16.11	33.41	-10.09
231.000	16.50	---	46.00	18.99	35.49	-10.51
264.000	14.50	---	46.00	21.28	35.78	-10.22
297.000	18.20	---	46.00	23.04	41.24	-4.76
330.000	16.70	---	46.00	17.11	33.81	-12.19
363.000	---	23.60	46.00	17.74	41.34	-4.66
363.000	25.00	---	46.00	17.74	42.74	-3.26
396.000	20.90	---	46.00	18.33	39.23	-6.77
429.000	17.80	---	46.00	18.81	36.61	-9.39
462.000	17.50	---	46.00	19.25	36.75	-9.25
495.000	17.70	---	46.00	19.64	37.34	-8.66
561.000	13.90	---	46.00	20.65	34.55	-11.45

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

Frequency MHz	Peak dBuV	Reading dBuV	QP dBuV/m	Limit dB/m	Factor dBuV/m	Emission Level dBuV/m	Over Limit dBuV/m
						VERTICAL	
726.000	15.00	---	46.00	23.88	38.88		-7.12

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 :

Checked by :

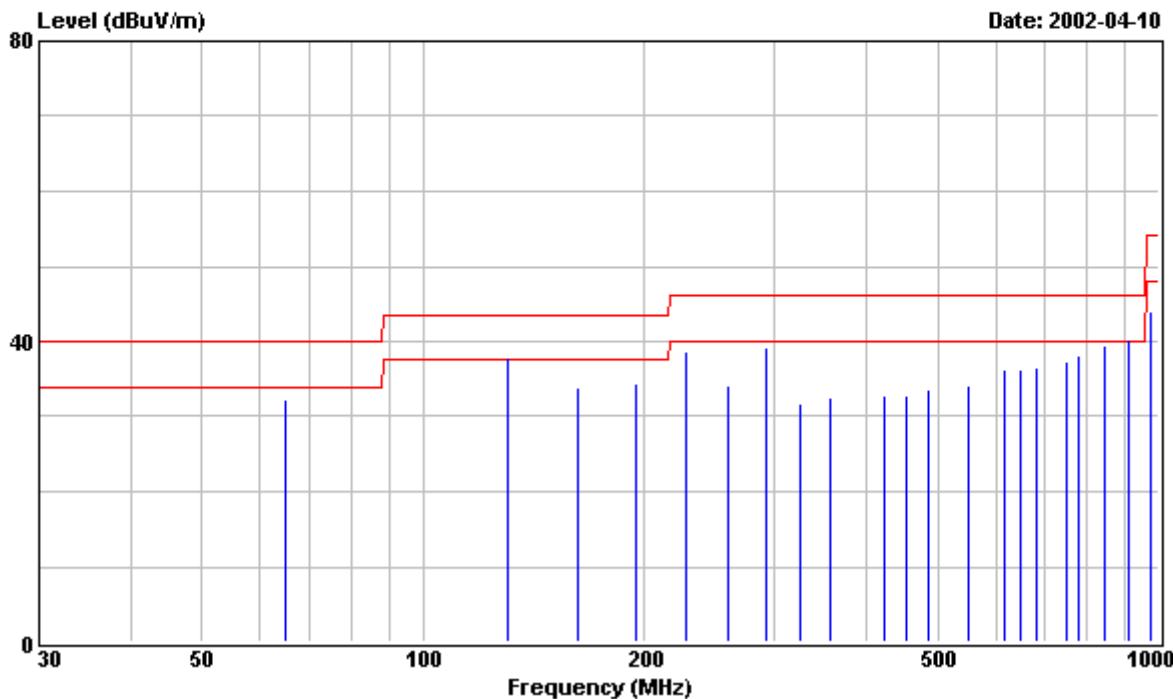


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 1

File#: C:\Program Files\em3\EMI02-013-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level		Over Limit
					HORIZONTAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
65.010	22.30	---	40.00	9.95	32.25	-7.75	
130.000	---	24.00	43.50	12.69	36.69	-6.81	
130.000	25.20	---	43.50	12.69	37.89	-5.61	
162.500	20.10	---	43.50	13.77	33.87	-9.63	
195.000	18.60	---	43.50	15.86	34.46	-9.04	
227.500	20.00	---	46.00	18.73	38.73	-7.27	
260.000	13.10	---	46.00	21.07	34.17	-11.83	
292.500	16.40	---	46.00	22.78	39.18	-6.82	
325.000	14.70	---	46.00	16.99	31.69	-14.31	
357.500	15.00	---	46.00	17.65	32.65	-13.35	
422.500	14.20	---	46.00	18.71	32.91	-13.09	
455.000	13.60	---	46.00	19.14	32.74	-13.26	
487.500	14.00	---	46.00	19.56	33.56	-12.44	
552.500	13.50	---	46.00	20.54	34.04	-11.96	

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Level (dB_BV/m) = Factor (dB/m) + Meter Reading (dB_BV/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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
HORIZONTAL						
617.480	14.60	---	46.00	21.67	36.27	-9.73
649.980	13.90	---	46.00	22.40	36.30	-9.70
682.480	13.40	---	46.00	23.13	36.53	-9.47
747.480	13.10	---	46.00	24.15	37.25	-8.75
779.970	13.60	---	46.00	24.56	38.16	-7.84
844.950	13.90	---	46.00	25.51	39.41	-6.59
909.980	13.80	---	46.00	26.43	40.23	-5.77
909.980	---	11.20	46.00	26.43	37.63	-8.37
974.980	16.70	---	54.00	27.30	44.00	-10.00

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

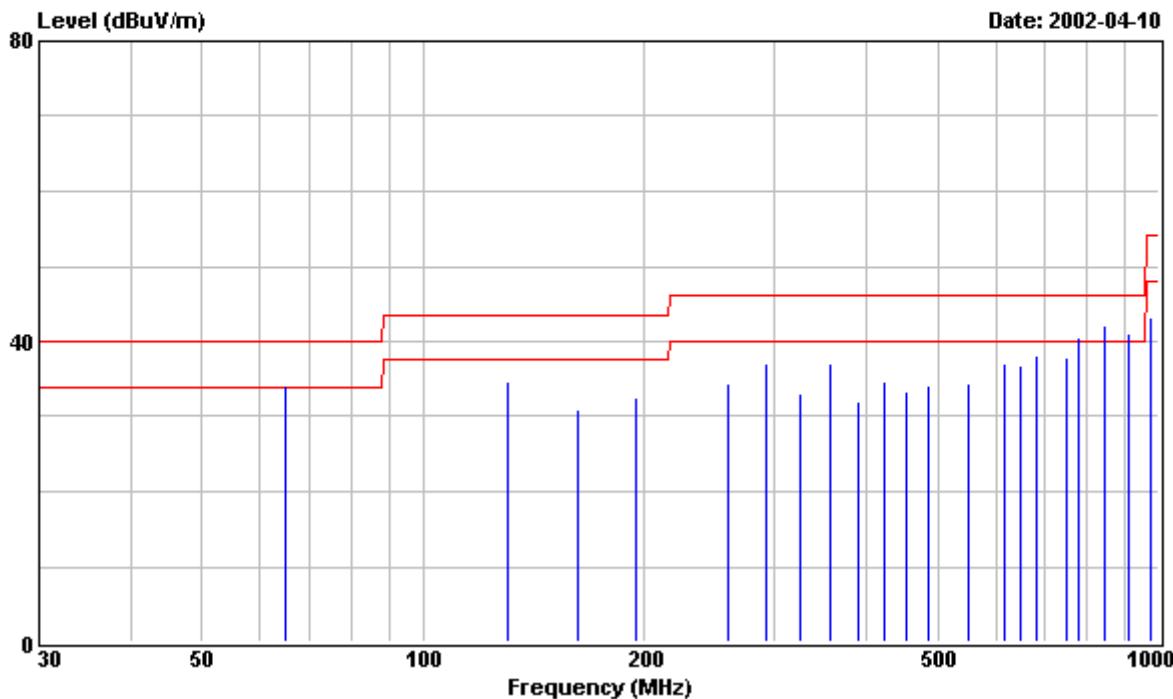


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 2

File#: C:\Program Files\em3\EMI02-013-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level		Over Limit
					VERTICAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
65.010	24.30	---	40.00	9.95	34.25	-5.75	
65.010	---	23.10	40.00	9.95	33.05	-6.95	
130.000	21.90	---	43.50	12.69	34.59	-8.91	
162.500	17.10	---	43.50	13.77	30.87	-12.63	
195.000	16.60	---	43.50	15.86	32.46	-11.04	
260.000	13.40	---	46.00	21.07	34.47	-11.53	
292.500	14.40	---	46.00	22.78	37.18	-8.82	
325.000	16.10	---	46.00	16.99	33.09	-12.91	
357.500	19.40	---	46.00	17.65	37.05	-8.95	
390.000	13.80	---	46.00	18.21	32.01	-13.99	
422.500	15.90	---	46.00	18.71	34.61	-11.39	
455.000	14.30	---	46.00	19.14	33.44	-12.56	
487.500	14.70	---	46.00	19.56	34.26	-11.74	
552.500	13.80	---	46.00	20.54	34.34	-11.66	

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

Frequency MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
617.480	15.30	---	46.00	21.67	36.97	-9.03
649.980	14.40	---	46.00	22.40	36.80	-9.20
682.480	14.90	---	46.00	23.13	38.03	-7.97
747.480	13.80	---	46.00	24.15	37.95	-8.05
779.970	16.10	---	46.00	24.56	40.66	-5.34
779.970	---	14.00	46.00	24.56	38.56	-7.44
844.950	16.60	---	46.00	25.51	42.11	-3.89
844.950	---	14.20	46.00	25.51	39.71	-6.29
909.980	14.70	---	46.00	26.43	41.13	-4.87
909.980	---	12.10	46.00	26.43	38.53	-7.47
974.980	16.00	---	54.00	27.30	43.30	-10.70

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

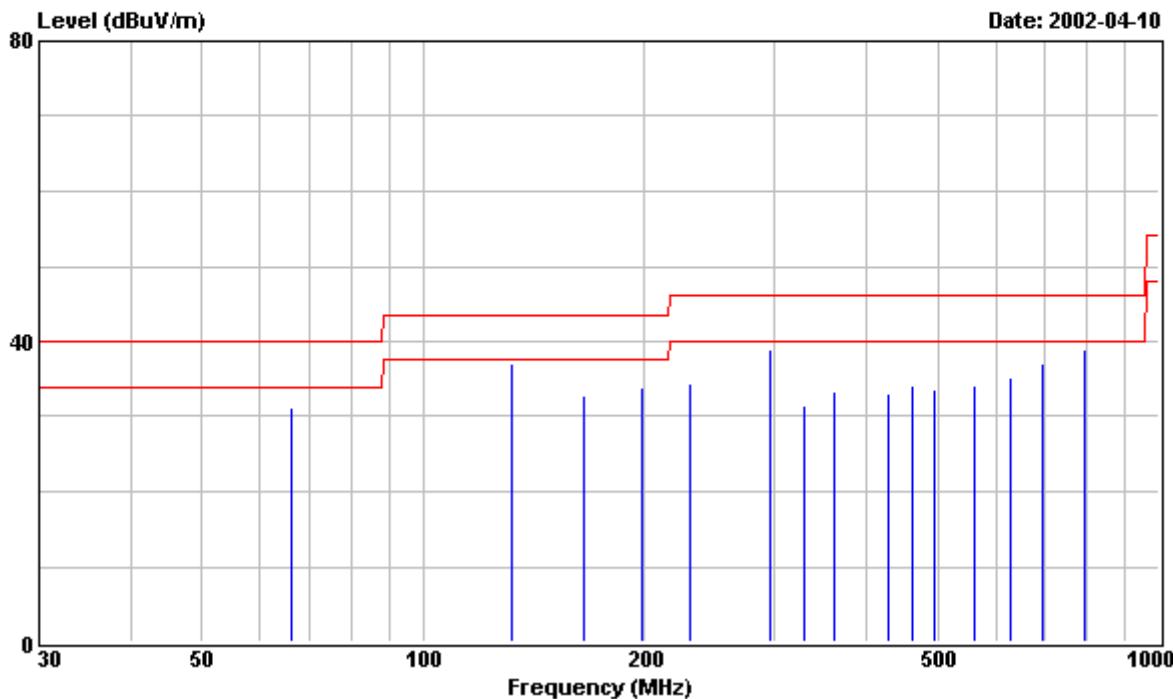


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI02-013-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level		Over Limit
					HORIZONTAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
66.000	21.30	---	40.00	9.96	31.26	-8.74	
132.000	24.30	---	43.50	12.78	37.08	-6.42	
165.000	19.00	---	43.50	13.83	32.83	-10.67	
198.000	17.80	---	43.50	16.11	33.91	-9.59	
231.000	15.30	---	46.00	18.99	34.29	-11.71	
297.000	15.80	---	46.00	23.04	38.84	-7.16	
330.000	14.30	---	46.00	17.11	31.41	-14.59	
363.000	15.60	---	46.00	17.74	33.34	-12.66	
429.000	14.30	---	46.00	18.81	33.11	-12.89	
462.000	14.80	---	46.00	19.25	34.05	-11.95	
495.000	13.90	---	46.00	19.64	33.54	-12.46	
561.000	13.60	---	46.00	20.65	34.25	-11.75	
627.000	13.20	---	46.00	21.88	35.08	-10.92	
693.000	13.80	---	46.00	23.34	37.14	-8.86	

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Level (dB_{UV}/m) = Factor (dB/m) + Meter Reading (dB_{UV}/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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
791.980	14.20	---	46.00	24.70	38.90	-7.10

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

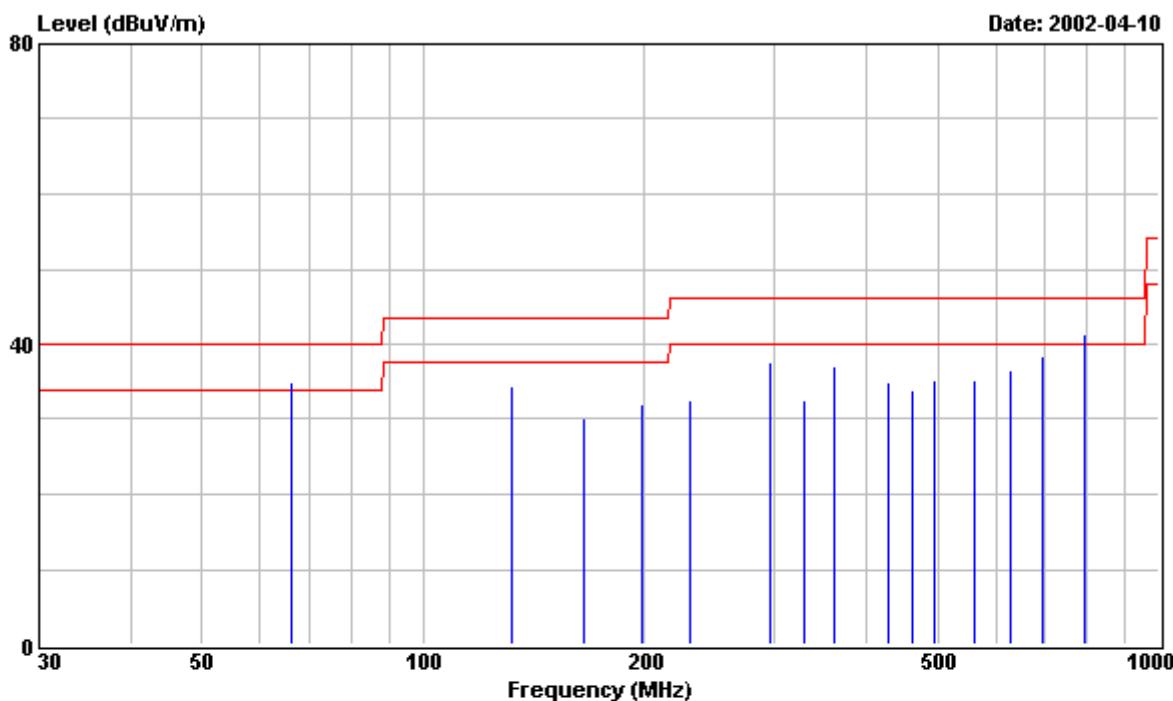


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No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI02-013-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 150B3 Serial No:TY0204013
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE WITH S3
 : Trio 3D/2X VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level		Over Limit
					VERTICAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
66.000	24.90	---	40.00	9.96	34.86	-5.14	
66.000	---	23.30	40.00	9.96	33.26	-6.74	
132.000	21.50	---	43.50	12.78	34.28	-9.22	
165.000	16.30	---	43.50	13.83	30.13	-13.37	
198.000	16.00	---	43.50	16.11	32.11	-11.39	
231.000	13.60	---	46.00	18.99	32.59	-13.41	
297.000	14.60	---	46.00	23.04	37.64	-8.36	
330.000	15.40	---	46.00	17.11	32.51	-13.49	
363.000	19.30	---	46.00	17.74	37.04	-8.96	
429.000	16.20	---	46.00	18.81	35.01	-10.99	
462.000	14.70	---	46.00	19.25	33.95	-12.05	
495.000	15.50	---	46.00	19.64	35.14	-10.86	
561.000	14.60	---	46.00	20.65	35.25	-10.75	
627.000	14.60	---	46.00	21.88	36.48	-9.52	

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

2. Emission Level (dB_{BuV/m}) = Factor (dB/m) + Meter Reading (dB_{BuV/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,
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 Tel:+886-3-4549862 Fax:+886-3-4549887

Frequency MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Lavel dBuV/m	Over Limit dBuV/m
693.000	15.00	---	46.00	23.34	38.34	-7.66
791.980	---	14.30	46.00	24.70	39.00	-7.00
791.980	16.70	---	46.00	24.70	41.40	-4.60

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

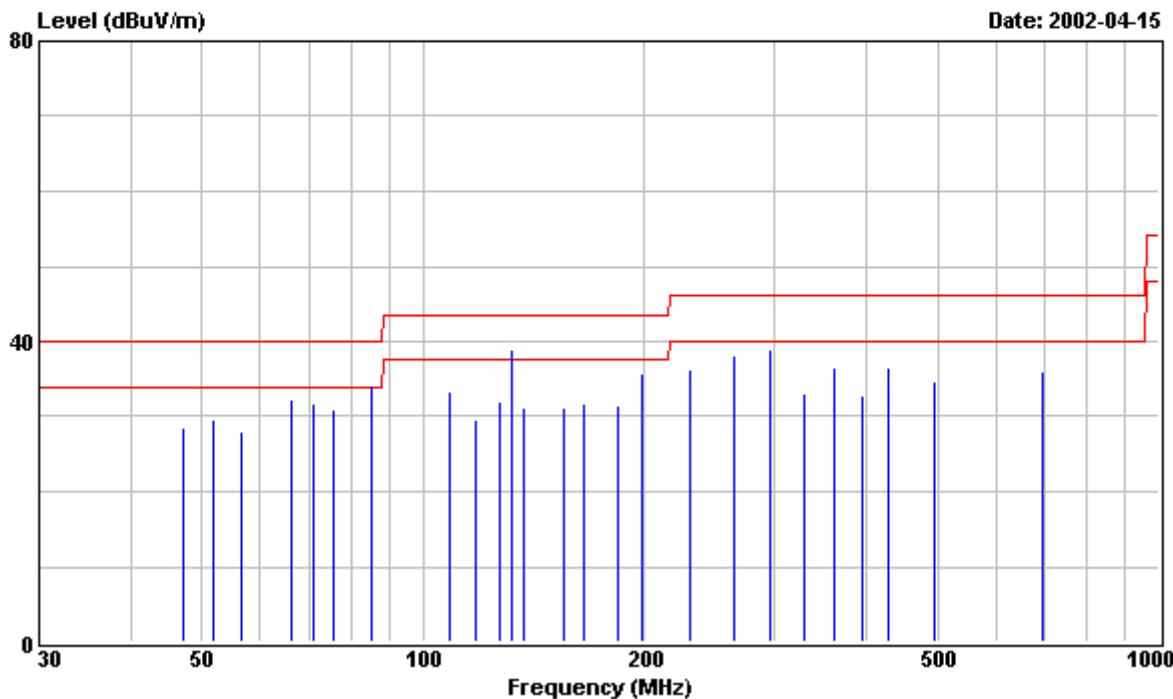


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 1

File#: C:\Program Files\em3\EMI02-014-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level		Over Limit
					HORIZONTAL	dBuV/m	
MHz	dB _{UV}	dB _{UV}	dBuV/m	dB/m	dBuV/m	dBuV/m	
47.150	17.40	---	40.00	11.20	28.60	-11.40	
51.850	18.90	---	40.00	10.63	29.53	-10.47	
56.570	17.70	---	40.00	10.19	27.89	-12.11	
66.000	22.30	---	40.00	9.96	32.26	-7.74	
70.730	21.70	---	40.00	10.03	31.73	-8.27	
75.440	20.70	---	40.00	10.22	30.92	-9.08	
84.870	23.50	---	40.00	10.66	34.16	-5.84	
84.870	---	22.20	40.00	10.66	32.86	-7.14	
108.450	21.40	---	43.50	11.83	33.23	-10.27	
117.870	17.30	---	43.50	12.29	29.59	-13.91	
127.300	19.50	---	43.50	12.59	32.09	-11.41	
132.010	26.20	---	43.50	12.78	38.98	-4.52	
132.010	---	24.90	43.50	12.78	37.68	-5.82	

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Level (dB_{UV}/m) = Factor (dB/m) + Meter Reading (dB_{UV}/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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Lavel dBuV/m	Over Limit dBuV/m
HORIZONTAL						
136.720	18.21	---	43.50	12.95	31.16	-12.34
155.570	17.70	---	43.50	13.57	31.27	-12.23
165.000	18.00	---	43.50	13.83	31.83	-11.67
183.870	16.70	---	43.50	14.78	31.48	-12.02
198.010	19.60	---	43.50	16.11	35.71	-7.79
231.000	17.20	---	46.00	18.99	36.19	-9.81
264.010	16.90	---	46.00	21.28	38.18	-7.82
297.000	16.00	---	46.00	23.04	39.04	-6.96
330.000	15.90	---	46.00	17.11	33.01	-12.99
363.000	18.90	---	46.00	17.74	36.64	-9.36
394.360	14.60	---	46.00	18.31	32.91	-13.09
429.000	17.80	---	46.00	18.81	36.61	-9.39
495.000	15.00	---	46.00	19.64	34.64	-11.36
693.000	12.70	---	46.00	23.34	36.04	-9.96

- 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



Reference: TYR87-2009

PHILIPS

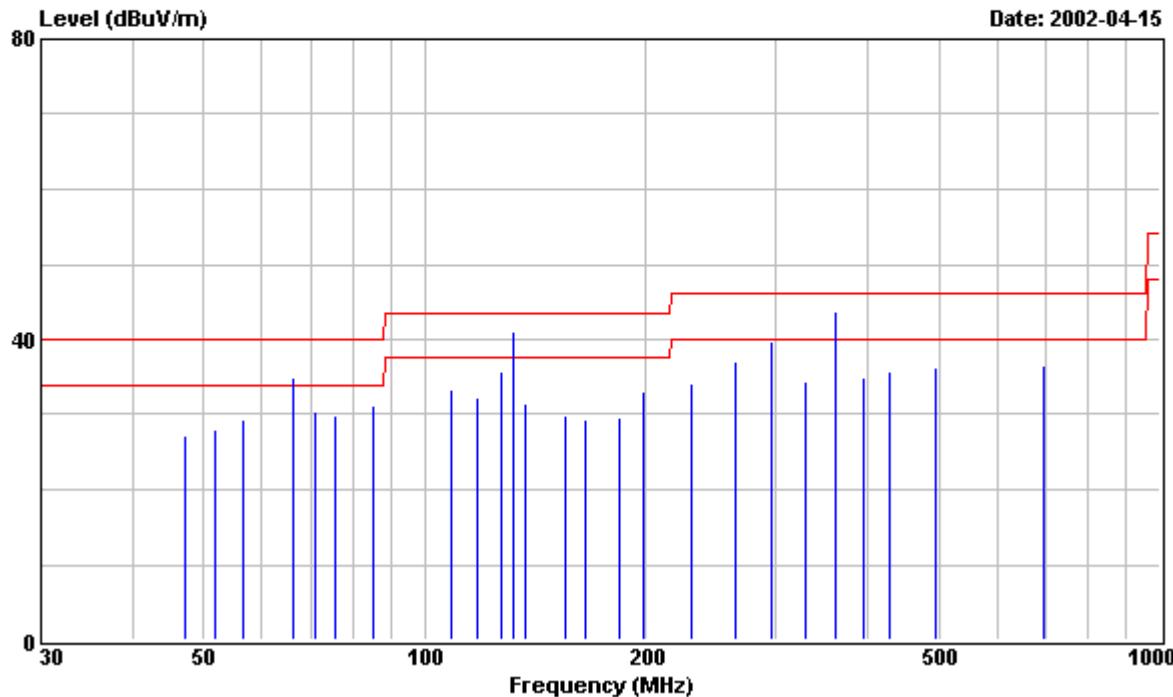
150P3, 150B3, 150S3

Date: 22 April 2002

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\EMI02-014-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150P3 Serial No:TY0105679
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. AUDIO WITH HEADPHONE & MICROPHONE.
: 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
: AR6S VIDEO CARD & D-SUB I/F CABLE
: WAS TESTED.

Frequency MHz	Peak dBuV	Reading dBuV	QP reading dBuV	Limit dB _{UV} /m	Factor dB/m	Emission Level dBuV/m		Over Limit dB _{UV} /m
						Vertical	Over Limit	
47.150	16.00	---	---	40.00	11.20	27.20		-12.80
51.850	17.30	---	---	40.00	10.63	27.93		-12.07
56.570	19.20	---	---	40.00	10.19	29.39		-10.61
66.000	24.90	---	---	40.00	9.96	34.86		-5.14
66.000	---	23.70	---	40.00	9.96	33.66		-6.34
70.730	20.50	---	---	40.00	10.03	30.53		-9.47
75.440	19.70	---	---	40.00	10.22	29.92		-10.08
84.870	20.60	---	---	40.00	10.66	31.26		-8.74
108.450	21.60	---	---	43.50	11.83	33.43		-10.07
117.870	20.10	---	---	43.50	12.29	32.39		-11.11
127.300	23.20	---	---	43.50	12.59	35.79		-7.71
132.010	28.30	---	---	43.50	12.78	41.08		-2.42
132.010	---	26.80	---	43.50	12.78	39.58		-3.92

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

2. Emission Level (dB_{UV}/m) = Factor (dB/m) + Meter Reading (dB_{UV}/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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
136.720	18.61	---	43.50	12.95	31.56	-11.94
155.570	16.30	---	43.50	13.57	29.87	-13.63
165.000	15.40	---	43.50	13.83	29.23	-14.27
183.870	14.80	---	43.50	14.78	29.58	-13.92
198.010	16.90	---	43.50	16.11	33.01	-10.49
231.000	15.10	---	46.00	18.99	34.09	-11.91
264.010	15.70	---	46.00	21.28	36.98	-9.02
297.000	16.70	---	46.00	23.04	39.74	-6.26
330.000	17.40	---	46.00	17.11	34.51	-11.49
363.000	26.00	---	46.00	17.74	43.74	-2.26
363.000	---	24.50	46.00	17.74	42.24	-3.76
394.360	16.50	---	46.00	18.31	34.81	-11.19
429.000	17.00	---	46.00	18.81	35.81	-10.19
495.000	16.60	---	46.00	19.64	36.24	-9.76
693.000	13.10	---	46.00	23.34	36.44	-9.56

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

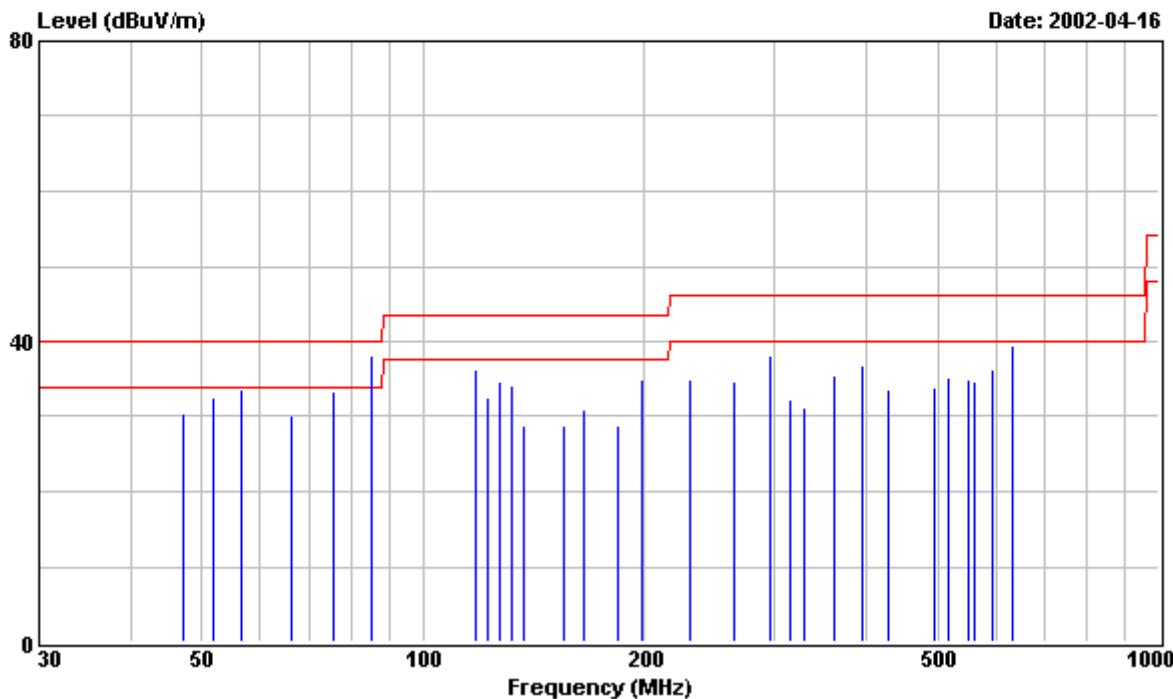


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 3

File#: C:\Program Files\em3\EMI02-014-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & DVI I/F CABLE
 : WAS TESTED.

Frequency MHz	Peak dB _B V	QP reading dB _B V	Limit dB _B V/m	Factor dB/m	Emission Level HORIZONTAL		Over Limit dB _B V/m
					dB _B V/m	dBuV/m	
47.150	19.10	---	40.00	11.20	30.30		-9.70
51.870	21.90	---	40.00	10.63	32.53		-7.47
56.570	23.40	---	40.00	10.19	33.59		-6.41
66.000	20.10	---	40.00	9.96	30.06		-9.94
75.440	23.10	---	40.00	10.22	33.32		-6.68
84.870	27.50	---	40.00	10.66	38.16		-1.84
84.870	---	26.20	40.00	10.66	36.86		-3.14
117.870	23.90	---	43.50	12.29	36.19		-7.31
122.570	20.20	---	43.50	12.44	32.64		-10.86
127.300	22.10	---	43.50	12.59	34.69		-8.81
132.000	21.40	---	43.50	12.78	34.18		-9.32
136.720	15.80	---	43.50	12.95	28.75		-14.75
155.570	15.10	---	43.50	13.57	28.67		-14.83

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Level (dB_BV/m) = Factor (dB/m) + Meter Reading (dB_BV/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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
HORIZONTAL						
165.000	17.00	---	43.50	13.83	30.83	-12.67
183.870	14.00	---	43.50	14.78	28.78	-14.72
198.010	18.70	---	43.50	16.11	34.81	-8.69
231.000	15.90	---	46.00	18.99	34.89	-11.11
264.000	13.50	---	46.00	21.28	34.78	-11.22
297.000	15.10	---	46.00	23.04	38.14	-7.86
315.500	15.40	---	46.00	16.80	32.20	-13.80
330.000	14.20	---	46.00	17.11	31.31	-14.69
363.000	17.70	---	46.00	17.74	35.44	-10.56
394.360	18.50	---	46.00	18.31	36.81	-9.19
429.000	14.80	---	46.00	18.81	33.61	-12.39
495.000	14.10	---	46.00	19.64	33.74	-12.26
517.060	15.30	---	46.00	19.99	35.29	-10.71
552.120	14.30	---	46.00	20.54	34.84	-11.16
561.000	14.00	---	46.00	20.65	34.65	-11.35
595.930	15.10	---	46.00	21.14	36.24	-9.76
631.000	17.60	---	46.00	21.98	39.58	-6.42

- 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

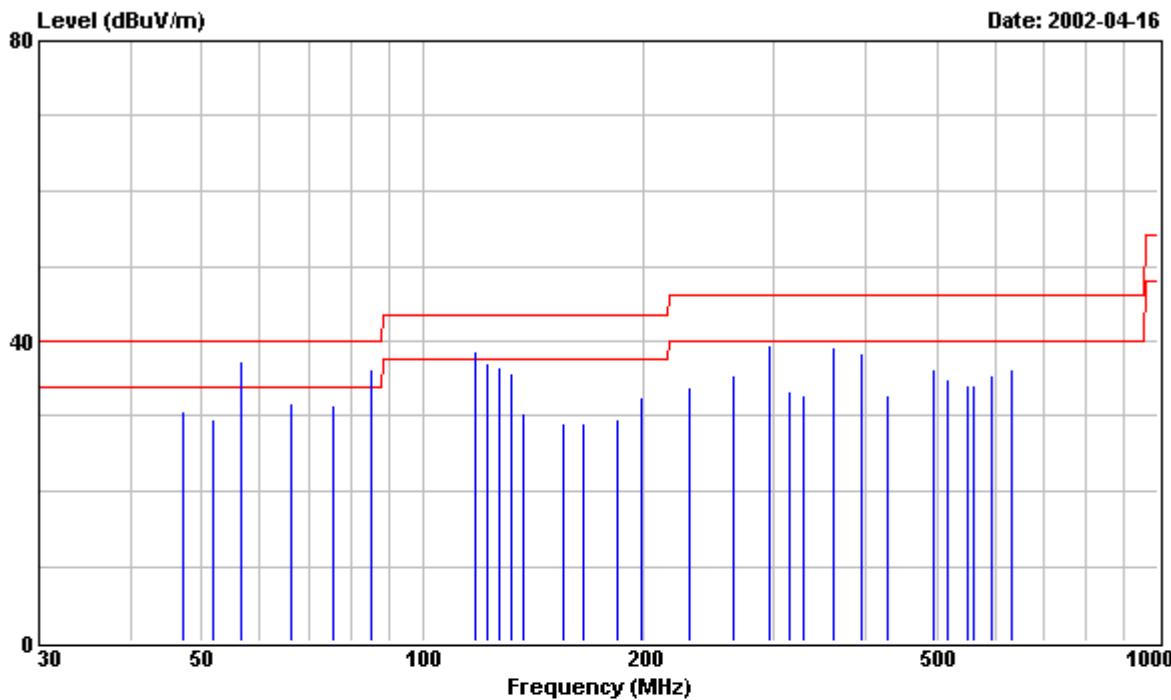


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 4

File#: C:\Program Files\em3\EMI02-014-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/75Hz 60KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & DVI I/F CABLE
 : WAS TESTED.

Frequency MHz	Peak Reading dB _{UV}	QP reading dB _{UV}	Limit dB _{UV} /m	Factor dB/m	Emission Level dB _{UV} /m		Over Limit dB _{UV} /m
					VERTICAL		
47.150	19.50	---	40.00	11.20	30.70		-9.30
51.870	18.90	---	40.00	10.63	29.53		-10.47
56.570	---	25.60	40.00	10.19	35.79		-4.21
56.570	27.10	---	40.00	10.19	37.29		-2.71
66.000	21.80	---	40.00	9.96	31.76		-8.24
75.440	21.20	---	40.00	10.22	31.42		-8.58
84.870	---	24.00	40.00	10.66	34.66		-5.34
84.870	25.70	---	40.00	10.66	36.36		-3.64
117.870	---	25.40	43.50	12.29	37.69		-5.81
117.870	26.50	---	43.50	12.29	38.79		-4.71
122.570	---	23.20	43.50	12.44	35.64		-7.86
122.570	24.50	---	43.50	12.44	36.94		-6.56
127.300	23.90	---	43.50	12.59	36.49		-7.01

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Level (dB_{UV}/m) = Factor (dB/m) + Meter Reading (dB_{UV}/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

Frequency MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
132.000	23.00	---	43.50	12.78	35.78	-7.72
136.720	17.40	---	43.50	12.95	30.35	-13.15
155.570	15.60	---	43.50	13.57	29.17	-14.33
165.000	15.10	---	43.50	13.83	28.93	-14.57
183.870	14.70	---	43.50	14.78	29.48	-14.02
198.010	16.30	---	43.50	16.11	32.41	-11.09
231.000	14.80	---	46.00	18.99	33.79	-12.21
264.010	14.30	---	46.00	21.28	35.58	-10.42
297.000	16.30	---	46.00	23.04	39.34	-6.66
315.500	16.60	---	46.00	16.80	33.40	-12.60
330.000	15.70	---	46.00	17.11	32.81	-13.19
363.000	21.40	---	46.00	17.74	39.14	-6.86
394.360	20.20	---	46.00	18.31	38.51	-7.49
429.000	14.00	---	46.00	18.81	32.81	-13.19
495.000	16.60	---	46.00	19.64	36.24	-9.76
517.060	14.90	---	46.00	19.99	34.89	-11.11
552.120	13.60	---	46.00	20.54	34.14	-11.86
561.000	13.50	---	46.00	20.65	34.15	-11.85
595.930	14.40	---	46.00	21.14	35.54	-10.46
631.000	14.20	---	46.00	21.98	36.18	-9.82

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

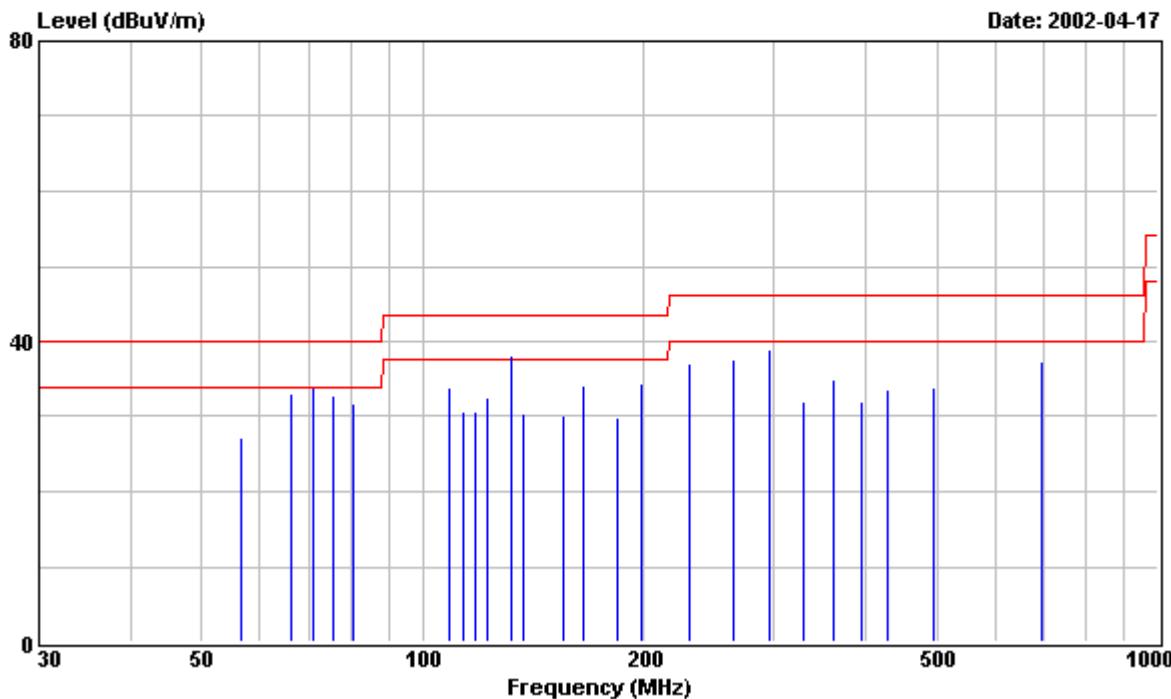


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 5

File#: C:\Program Files\em3\EMI02-014-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level		Over Limit
					HORIZONTAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
56.570	16.90	---	40.00	10.19	27.09	-12.91	
66.000	23.00	---	40.00	9.96	32.96	-7.04	
70.720	23.80	---	40.00	10.03	33.83	-6.17	
75.430	22.70	---	40.00	10.22	32.92	-7.08	
80.150	21.40	---	40.00	10.40	31.80	-8.20	
108.440	22.10	---	43.50	11.83	33.93	-9.57	
113.150	18.50	---	43.50	12.08	30.58	-12.92	
117.870	18.40	---	43.50	12.29	30.69	-12.81	
122.580	20.00	---	43.50	12.44	32.44	-11.06	
132.000	25.30	---	43.50	12.78	38.08	-5.42	
132.000	---	24.10	43.50	12.78	36.88	-6.62	
136.720	17.40	---	43.50	12.95	30.35	-13.15	
155.580	16.50	---	43.50	13.57	30.07	-13.43	

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



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Tel:+886-3-4549862 Fax:+886-3-4549887

Frequency MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
HORIZONTAL						
165.000	20.20	---	43.50	13.83	34.03	-9.47
183.860	15.20	---	43.50	14.78	29.98	-13.52
198.000	18.40	---	43.50	16.11	34.51	-8.99
231.000	18.00	---	46.00	18.99	36.99	-9.01
264.000	16.20	---	46.00	21.28	37.48	-8.52
297.000	15.90	---	46.00	23.04	38.94	-7.06
330.000	15.00	---	46.00	17.11	32.11	-13.89
363.000	17.10	---	46.00	17.74	34.84	-11.16
396.000	13.70	---	46.00	18.33	32.03	-13.97
429.000	14.70	---	46.00	18.81	33.51	-12.49
495.000	14.30	---	46.00	19.64	33.94	-12.06
693.000	13.90	---	46.00	23.34	37.24	-8.76

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

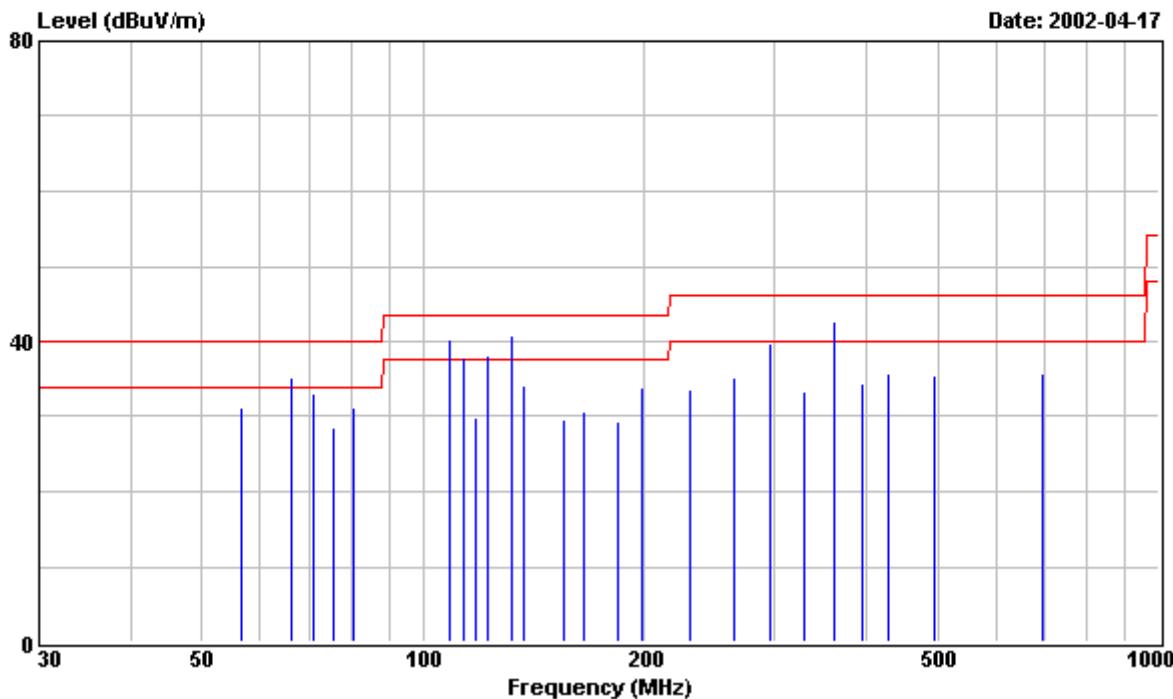


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Philips Electronics Industries (Taiwan) Ltd.
No.5, Tze Chiang 1 Road, Chungli Industrial Park,
Chungli, Taiwan, R.O.C.
Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 6

File#: C:\Program Files\em3\EMI02-014-R.emi



Site : PHILIPS EMI 3M open site
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
 EUT : PHILIPS 150P3 Serial No:TY0105679
 Power : 120-240VAC
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
 : 2. AUDIO WITH HEADPHONE & MICROPHONE.
 : 3. 1024x768/60Hz 48.3KHz MODE W/CP CORP.
 : AR6S VIDEO CARD & D-SUB I/F CABLE
 : WAS TESTED.

Frequency MHz	Peak dB _{UV}	Reading dB _{UV}	QP reading dB _{UV}	Limit dB _{UV} /m	Factor dB/m	Emission Level VERTICAL	
						Over Limit dB _{UV} /m	
56.570	20.90	---		40.00	10.19	31.09	-8.91
66.000	25.20	---		40.00	9.96	35.16	-4.84
66.000	---	23.90		40.00	9.96	33.86	-6.14
70.720	23.00	---		40.00	10.03	33.03	-6.97
75.430	18.40	---		40.00	10.22	28.62	-11.38
80.150	20.90	---		40.00	10.40	31.30	-8.70
108.440	---	26.90		43.50	11.83	38.73	-4.77
108.440	28.30	---		43.50	11.83	40.13	-3.37
113.150	25.70	---		43.50	12.08	37.78	-5.72
113.150	---	24.40		43.50	12.08	36.48	-7.02
117.870	17.70	---		43.50	12.29	29.99	-13.51
122.580	25.60	---		43.50	12.44	38.04	-5.46
122.580	---	23.90		43.50	12.44	36.34	-7.16

Remarks: 1. All Readings are Peak & Quasi-peak values.
 2. Emission Level (dB_{UV}/m) = Factor (dB/m) + Meter Reading (dB_{UV}/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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
132.000	27.90	---	43.50	12.78	40.68	-2.82
132.000	---	26.50	43.50	12.78	39.28	-4.22
136.720	21.20	---	43.50	12.95	34.15	-9.35
155.580	15.90	---	43.50	13.57	29.47	-14.03
165.000	16.70	---	43.50	13.83	30.53	-12.97
183.860	14.60	---	43.50	14.78	29.38	-14.12
198.000	17.70	---	43.50	16.11	33.81	-9.69
231.000	14.60	---	46.00	18.99	33.59	-12.41
264.000	14.00	---	46.00	21.28	35.28	-10.72
297.000	16.60	---	46.00	23.04	39.64	-6.36
330.000	16.30	---	46.00	17.11	33.41	-12.59
363.000	24.80	---	46.00	17.74	42.54	-3.46
363.000	---	23.50	46.00	17.74	41.24	-4.76
396.000	16.10	---	46.00	18.33	34.43	-11.57
429.000	16.80	---	46.00	18.81	35.61	-10.39
495.000	15.80	---	46.00	19.64	35.44	-10.56
693.000	12.50	---	46.00	23.34	35.84	-10.16

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

10. Reference

FCC part 15 - 1999
Radio frequency device.

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”