



Philips Electronics Ir (Taiwan) Ltd - EMC 5, Tze Chiang 1 Road Chungli Industrial Pa Chungli, Taoyuan, T Tel.: +886-3-454-986 Fax.: +886-3-454-98 E-mail: ronnie.yang@	Lab. d, ark, aiwan 52 87	FCC Test Report	Report No.: TYR87-2051Date: 14 July, 2003Page: Page 1 of 32
Customer	: Philips El	ectronics Industries	
Name Address Zip/City Country	: Mr. S.T. Hu : 5, Tze Chiat : Chungli Ind : Chungli, Ta	ustrial Park,	
Equipment Unde	er Test (inclu	ding peripherals) :	
FCC ID. Model Name Serial Number Description	: A3KM117 : 150X4 : TY0304285 : 15" XGA LO	CD color monitor, Max. resolution	1024x768/75Hz
EMC Standards		t 15 of October 01,1999 Cl 53.4-1992	ass B
Result	: PASSED	the limits/test-levels in the standa	ards.
Note	It is the ma	in this report apply only to the sam nufacturer's responsibility to assum of production models.	
Date of receipt of	of EUT	: 07 Jul. 2003	
Date of performa	ance of test	: 09 Jul., 2003 to 12 Jul.,	2003
C.C. W	EUN 7u - EMC Test	Engineer Romie	Yang - EMC Manager

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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.

150X4

2. General Information of EUT

The EUT, 15" color monitor :

Model No.	: 150X4
FCC ID	: A3KM117
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.

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

- For Conducted Emissions Test:

- For Radiated Emissions Test:

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

4. Test Configuration of EUT and Peripherals

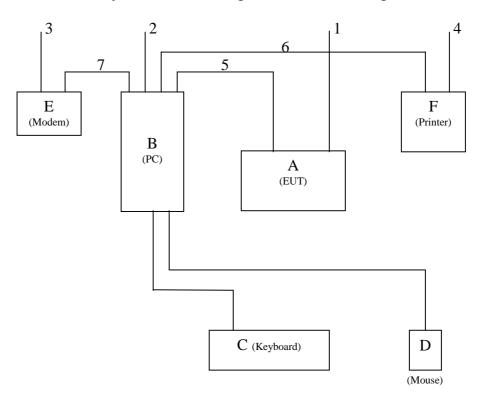
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT "150X4" were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
Α	Monitor	Philips 150X4	TY0304285	A3KM117	EUT
В	PC	Compaq ENC P866	5K15FXHZ2013	FCC Logo	
С	Keyboard	Compaq KB-9963	B26950GGALP13Q	FCC Logo	
D	Mouse	Compaq M-S48a		JNZ201213	
Е	Modem	Hayes 231AA	A22231081770	BFJ9D9308US	
F	Printer	HP 2225C	2934\$55406	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



150X4

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: <u>ronnie.yang@philips.com</u>

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.

Test Item	File No.	Resolution	Frequencies	I/F Cable
Conducted	EMI03-030-C	1024x768	60KHz/75Hz	D-sub
Conducted	EM105-050-C	800x600	47KHz/75Hz	D-sub
Radiated	EMI03-030-R	1024x768	60KHz/75Hz	D-sub
Kadiated	EM105-050-K	800x600	47KHz/75Hz	D-sub

Tested and reported modes as following:

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" patter 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.

	ource of Measurement ncertainty	Uncertainty/dB
	ntenna factor calibration	+/-2.0
Ca	able loss calibration	+/-0.5
Re	eceiver specification	+/-1.0
Aı	ntenna position ver.	+/-2.0
Μ	easurement distance ver.	+/-0.5
Si	te imperfections	+/-2.0
M	ismatch	+/-1.1
111	1 111	. / 0 5
Sy	ystem repeatability Ity for Conducted Emissions Test a	+/-0.5 t 3 meters Test Site.
Sy Uncertain Sc	ty for Conducted Emissions Test a burce of Measurement	
Sy Uncertain Sc	ty for Conducted Emissions Test a	t 3 meters Test Site.
Sy Uncertain Sc Ui	ty for Conducted Emissions Test a burce of Measurement	t 3 meters Test Site.
Sy Uncertain Sc U1	ity for Conducted Emissions Test a purce of Measurement ncertainty	t 3 meters Test Site. Uncertainty/dB
Sy Uncertain Sc Un LI Ca	ity for Conducted Emissions Test a purce of Measurement ncertainty	t 3 meters Test Site. Uncertainty/dB +/-2.0
Sy Uncertain Sc Un LI Ca Re	ty for Conducted Emissions Test a burce of Measurement ncertainty SN specification able loss calibration	t 3 meters Test Site. Uncertainty/dB +/-2.0 +/-0.5
Sy Uncertain Sc Ui LI Ca Re Pu	ity for Conducted Emissions Test a purce of Measurement ncertainty SN specification able loss calibration eceiver specification	t 3 meters Test Site. Uncertainty/dB +/-2.0 +/-0.5 +/-1.0
Sy Uncertain Sc Ut LI Ca Re Pu M	ity for Conducted Emissions Test a purce of Measurement ncertainty SN specification able loss calibration eceiver specification ilse limiter Spec.	t 3 meters Test Site. Uncertainty/dB +/-2.0 +/-0.5 +/-1.0 +/-0.3

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 :

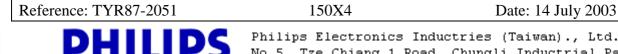
Passed FCC Class B Limits

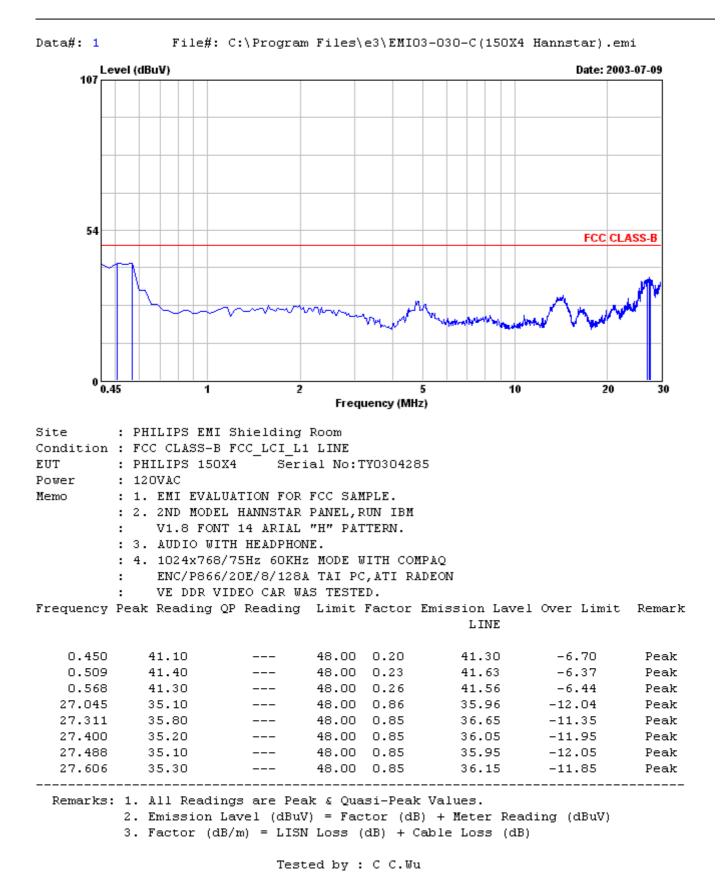
Option:

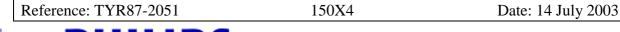
The following option may be employed if the conducted emissions exceed the limits, as appropriate, when measured using instrumentation employing a quasi-peak detector function: If the level of the emission measured using the quasi-peak instrumentation is 6dB, or, more higher than the level of the same 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	: 09 Jul., 2003 to 12 Jul., 2003
Test Engineer	: C.C.Wu
For detail measurement results see next page	S.

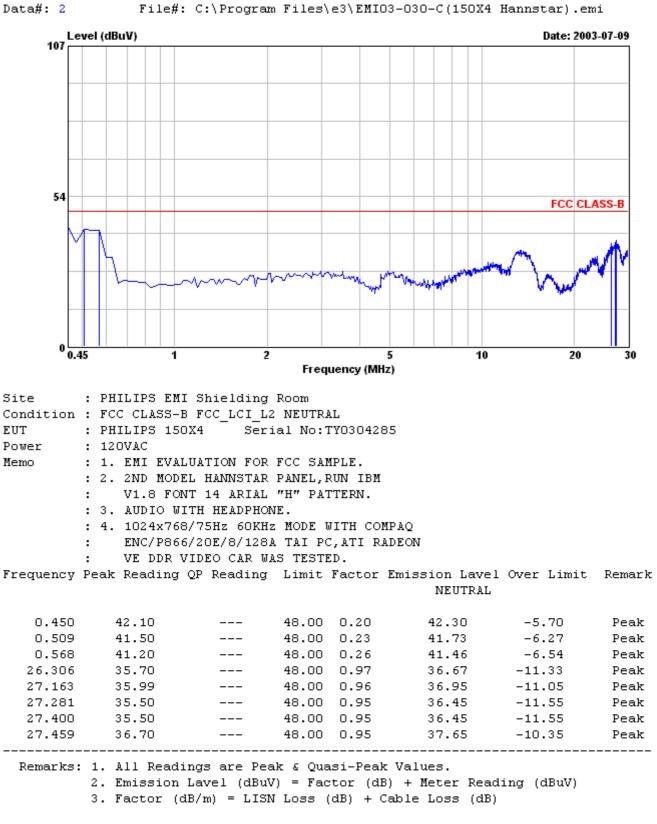




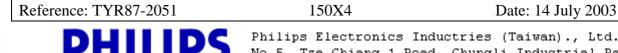


PHILIPS

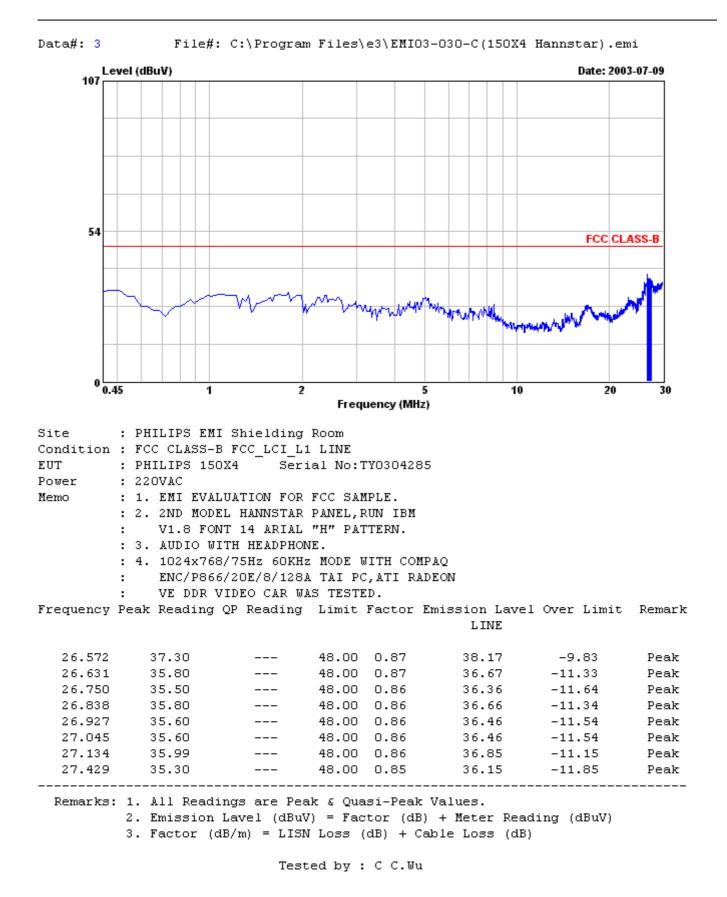
Philips Electronics Inductries (Taiwan)., Ltd. No.5, Tze Chiang 1 Road, Chungli Inductrial Park, Chungli, Taiwan, R.O.C. Tel:+886-3-4549862 Fax:+886-3-4549887

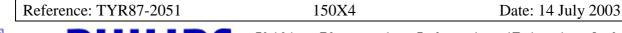


Tested by : C C.Wu

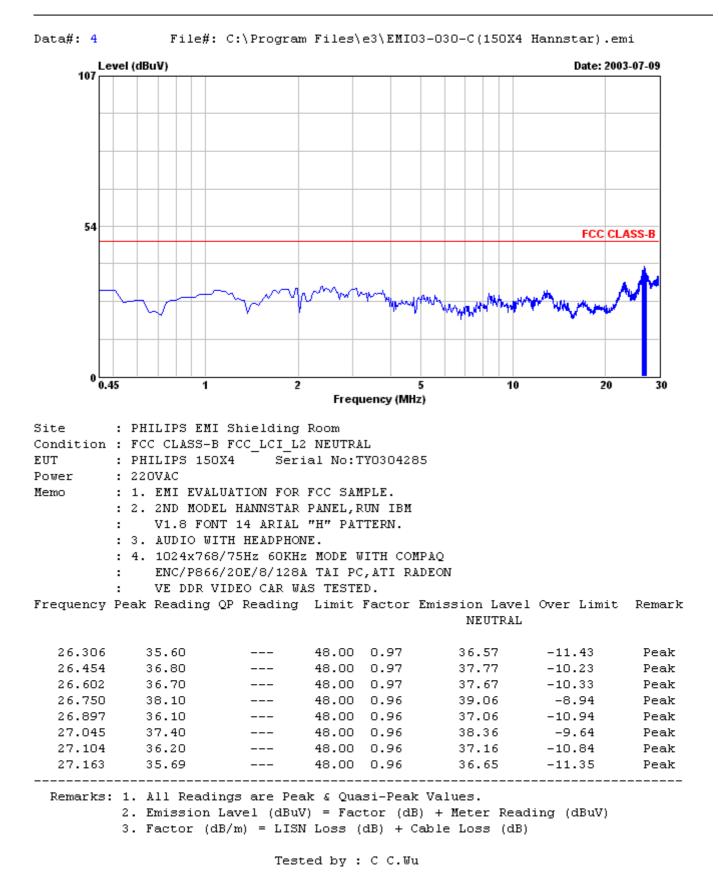


PHILIPS



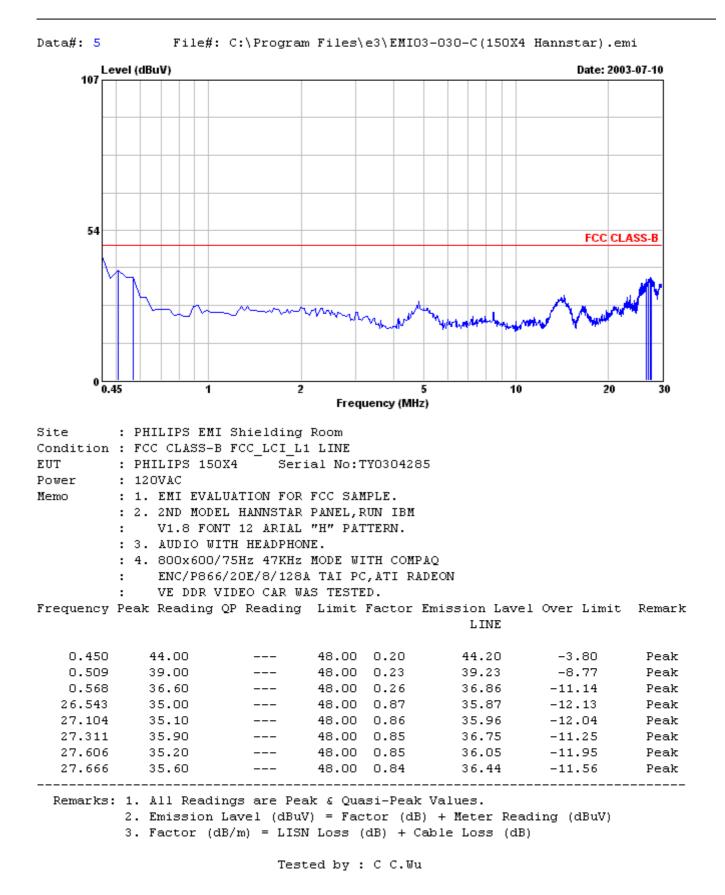


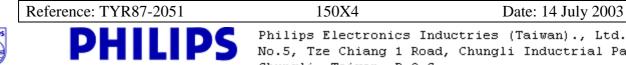
HILIPS Philips Ele No.5, Tze C Chungli, Ta



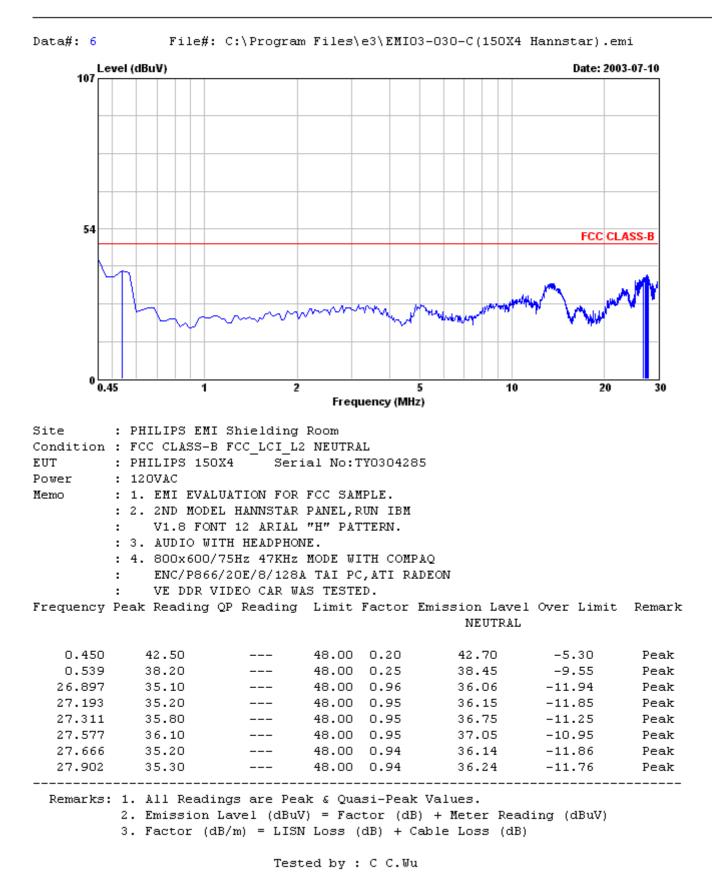


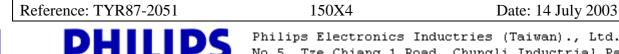
PHILIPS

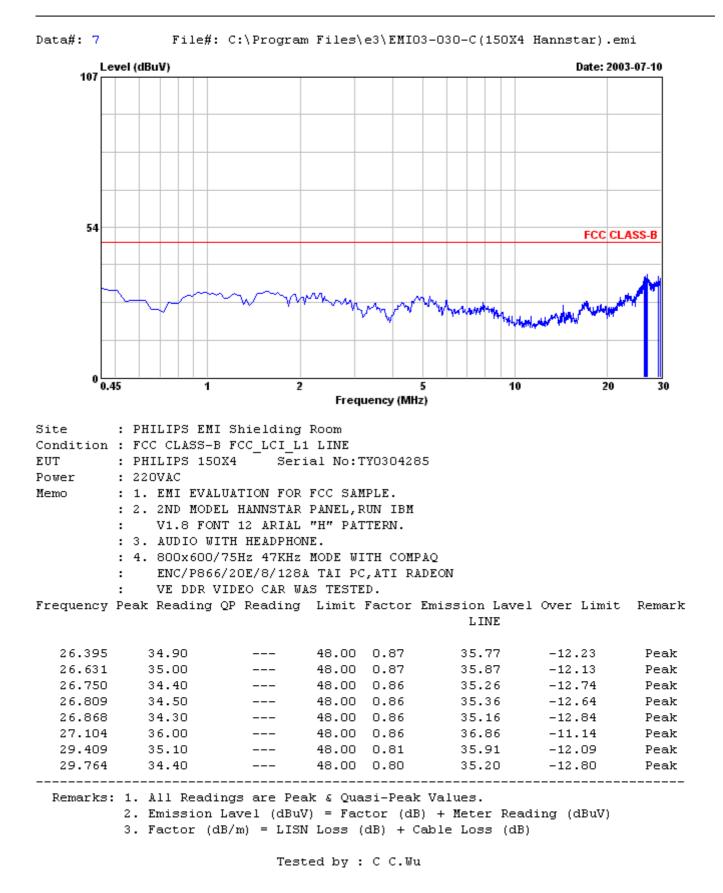


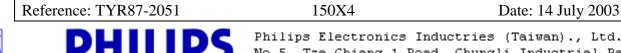


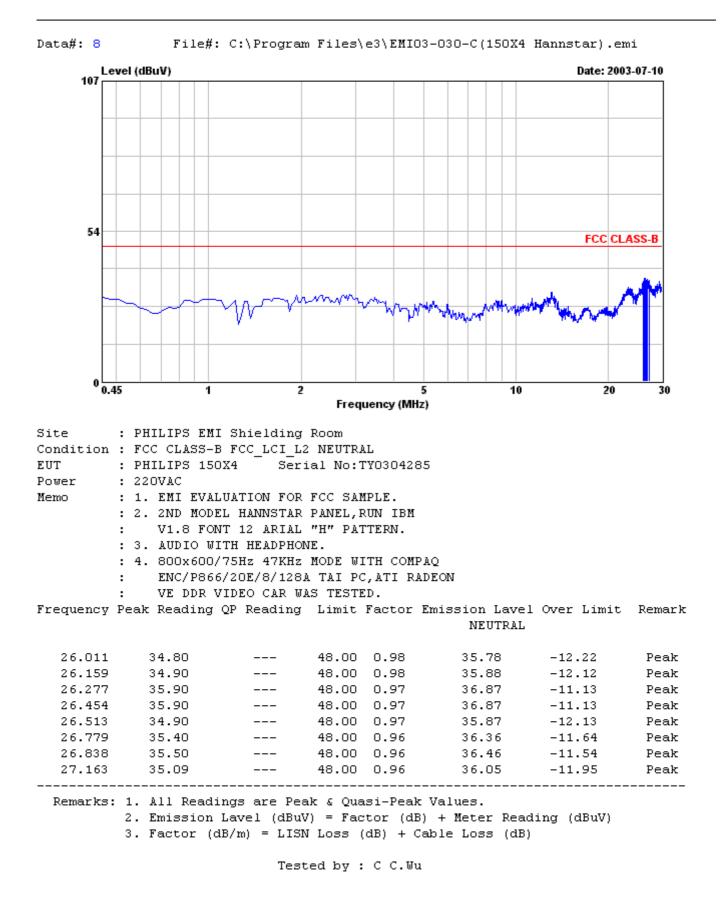
No.5, Tze Chiang 1 Road, Chungli Inductrial Park, Chungli, Taiwan, R.O.C. Tel:+886-3-4549862 Fax:+886-3-4549887





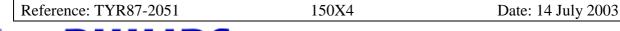






8. .Radiated Emission Test

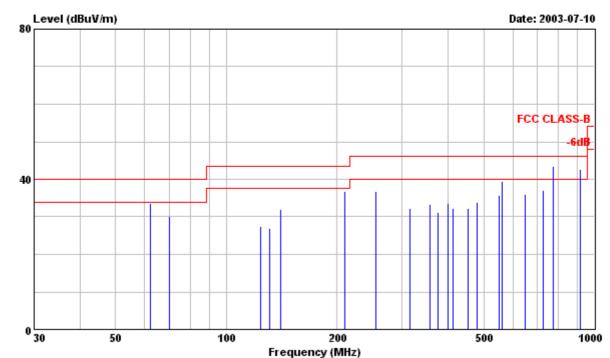
Radiated Emissions									
FCC Part 15									
Operating conditions E	UT:								
EUT powered on with scrollin	ng "H" pattern.								
Limits:									
Frequency range (MHz)	Class A at 10m (dBuv) QP	Class B at 3m (dBuv) QP							
30.0 - 88.0	39.0	40.0							
88.0 - 216.0	43.5	43.5							
216.0 - 960.0	46.5	46.0							
960.0 - 1000.0	49.5	54.0							
Above 1000.0	49.5	54.0 Average							
Remark:		ts							
Remark:									



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Data#: 1 File#: C:\Program Files\e3\EMIO3-O3O-R.emi



Site : PHILIPS EMI Shielding Room

Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL

EUT : PHILIPS 150X4 Serial No:TY0304285

Power : 120-240VAC

Memo

- : 1. EMI EVALUATION FOR FCC SAMPLE. : 2. 2ND MODEL HANNSTAR PANEL, RUN IBM
- : V1.8 FONT 14 ARIAL "H" PATTERN.
- : 3. AUDIO WITH HEADPHONE.

: 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 Lavel Over Limit Remark HORIZONTAL

	dBuV/m	dBuV/m	dB/m	dBuV/m	dBuV	dBuV	MHz
Peak	-6.28	33.72	9.92	40.00		23.80	62.290
Peak	-9.80	30.20	10.00	40.00		20.20	70.040
Peak	-16.13	27.37	12.47	43.50		14.90	123.720
Peak	-16.57	26.93	12.73	43.50		14.20	130.620
Peak	-11.42	32.08	13.08	43.50		19.00	140.210
Peak	-6.58	36.92	17.22	43.50		19.70	210.260
Peak	-9.14	36.86	20.76	46.00		16.10	254.860
Peak	-13.80	32.20	16.80	46.00		15.40	315.460
Peak	-12.55	33.45	17.65	46.00		15.80	357.960

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)

Reference: TYR87-2051

D

150X4



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

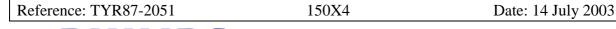
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
376.120	13.20		46.00	17.98	31.18	-14.82	Peak
401.000	15.30		46.00	18.40	33.70	-12.30	Peak
412.530	13.80		46.00	18.57	32.37	-13.63	Peak
454.980	13.10		46.00	19.14	32.24	-13.76	Peak
481.258	14.30		46.00	19.47	33.77	-12.23	Peak
552.070	15.10		46.00	20.54	35.64	-10.36	Peak
562.690	18.90		46.00	20.68	39.58	-6.42	Peak
649.118	13.50		46.00	22.40	35.90	-10.10	Peak
727.980	13.20		46.00	23.88	37.08	-8.92	Peak
! 773.790		16.28	46.00	24.49	40.77	-5.23	QP
! 773.790	18.90		46.00	24.49	43.39	-2.61	Peak
914.490		12.89	46.00	26.52	39.41	-6.59	QP
! 914.490	16.50		46.00	26.52	43.02	-2.98	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





ILIDS D

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Data#: 2 File#: C:\Program Files\e3\EMIO3-030-R.emi Level (dBuV/m) Date: 2003-07-11 80 FCC CLASS-B 40 ⁰30 50 100 200 500 1000 Frequency (MHz) : PHILIPS EMI Shielding Room Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL Serial No:TY0304285

Site

EUT

: PHILIPS 150X4

Power : 120-240VAC Memo

: 1. EMI EVALUATION FOR FCC SAMPLE.

- : 2. 2ND MODEL HANNSTAR PANEL, RUN IBM
- V1.8 FONT 14 ARIAL "H" PATTERN. :
- : 3. AUDIO WITH HEADPHONE.

: 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 Lavel Over Limit Remark VERTICAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
59.430	19.10		40.00	9.95	29.05	-10.95	Peak
75.060	18.40		40.00	10.21	28.61	-11.39	Peak
123.720	15.70		43.50	12.47	28.17	-15.33	Peak
130.620	14.80		43.50	12.73	27.53	-15.97	Peak
140.210	18.50		43.50	13.08	31.58	-11.92	Peak
210.260	16.80		43.50	17.22	34.02	-9.48	Peak
254.860	16.30		46.00	20.76	37.06	-8.94	Peak
315.460	13.60		46.00	16.80	30.40	-15.60	Peak
357.960	15.20		46.00	17.65	32.85	-13.15	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)

Reference: TYR87-2051

D

150X4



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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
376.120	14.90		46.00	17.98	32.88	-13.12	Peak
401.000	14.10		46.00	18.40	32.50	-13.50	Peak
412.530	14.70		46.00	18.57	33.27	-12.73	Peak
454.980	13.60		46.00	19.14	32.74	-13.26	Peak
481.260	13.90		46.00	19.47	33.37	-12.63	Peak
552.070	14.10		46.00	20.54	34.64	-11.36	Peak
562.690	16.10		46.00	20.68	36.78	-9.22	Peak
649.118	13.90		46.00	22.40	36.30	-9.70	Peak
727.980	13.60		46.00	23.88	37.48	-8.52	Peak
773.790	15.40		46.00	24.49	39.89	-6.11	Peak
914.490		12.01	46.00	26.52	38.53	-7.47	QP
! 914.490	15.80		46.00	26.52	42.32	-3.68	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

150X4

Date: 14 July 2003



ILIPS D

Reference: TYR87-2051

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Data#: 3 File#: C:\Program Files\e3\EMIO3-O3O-R.emi Level (dBuV/m) Date: 2003-07-12 80 FCC CLASS-B 40 0 30 50 100 500 200 Frequency (MHz) Site : PHILIPS EMI Shielding Room Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL : PHILIPS 150X4 Serial No:TY0304285 EUT : 120-240VAC Power Memo : 1. EMI EVALUATION FOR FCC SAMPLE.

- : 2. 2ND MODEL HANNSTAR PANEL, RUN IBM :
 - V1.8 FONT 12 ARIAL "H" PATTERN.
- : 3. AUDIO WITH HEADPHONE.
- : 4. 800x600/75Hz 47KHz 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 Lavel Over Limit Remark HORIZONTAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
55.960	20.30		40.00	10.25	30.55	-9.45	Peak
61.640	23.00		40.00	9.92	32.92	-7.08	Peak
70.080	19.90		40.00	10.00	29.90	-10.10	Peak
123.760	14.90		43.50	12.47	27.37	-16.13	Peak
156.460	13.90		43.50	13.60	27.50	-16.00	Peak
180.240	14.30		43.50	14.40	28.70	-14.80	Peak
! 209.540	21.10		43.50	17.15	38.25	-5.25	Peak
209.540		18.78	43.50	17.15	35.93	-7.57	QP
260.580	15.20		46.00	21.07	36.27	-9.73	Peak
Remarks:	1. All Read 2. Emission	-		-	values. 1B/m) + Meter 1	Reading (dBu	ıV/m)

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

1000

Reference: TYR87-2051

D

DS

150X4



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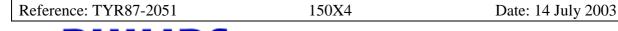
Frequency Peak Reading QP reading Limit Factor Emission Lavel Over Limit Remark HORIZONTAL MHz dBuV dBuV dBuV/m dB/m dBuV/m dBuV/m 325.810 13.70 ___ 46.00 17.02 30.72 -15.28Peak 351.560 15.10 ___ 46.00 17.53 32.63 -13.37Peak 421.870 16.20 ___ 46.00 18.71 34.91 -11.09 Peak 562.540 18.70 46.00 20.68 39.38 -6.62 Peak ___

	302.310	10.10		10.00	20.00	32.00	0.02	ICUN
	569.270	17.90		46.00	20.77	38.67	-7.33	Peak
	630.020	15.30		46.00	21.93	37.23	-8.77	Peak
!	773.540	18.70		46.00	24.49	43.19	-2.81	Peak
!	773.540		15.82	46.00	24.49	40.31	-5.69	QP
!	914.250	16.70		46.00	26.47	43.17	-2.83	Peak
	914.250		12.99	46.00	26.47	39.46	-6.54	QP

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



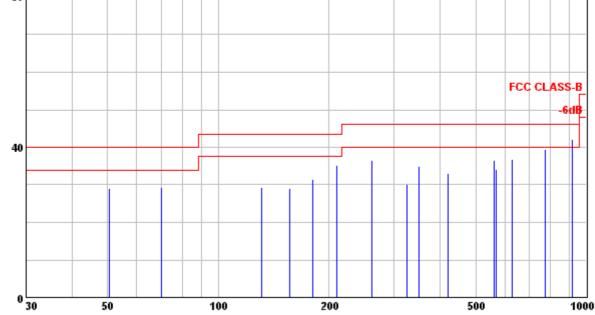




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Date: 2003-07-12

File#: C:\Program Files\e3\EMIO3-030-R.emi Data#: 4 Level (dBuV/m) 80



Frequency (MHz)

: PHILIPS EMI Shielding Room Site

Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL

EUT : PHILIPS 150X4 Serial No:TY0304285

Power : 120-240VAC

Memo

: 1. EMI EVALUATION FOR FCC SAMPLE.

- : 2. 2ND MODEL HANNSTAR PANEL, RUN IBM
- V1.8 FONT 12 ARIAL "H" PATTERN. :
- : 3. AUDIO WITH HEADPHONE.

: 4. 800x600/75Hz 47KHz 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 Lavel Over Limit Remark VERTICAL

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
50.640	18.20		40.00	10.75	28.95	-11.05	Peak
70.080	19.40		40.00	10.00	29.40	-10.60	Peak
130.720	16.70		43.50	12.73	29.43	-14.07	Peak
156.460	15.50		43.50	13.60	29.10	-14.40	Peak
180.240	17.10		43.50	14.40	31.50	-12.00	Peak
209.540	18.10		43.50	17.15	35.25	-8.25	Peak
260.580	15.40		46.00	21.07	36.47	-9.53	Peak
325.810	13.00		46.00	17.02	30.02	-15.98	Peak
351.560	17.30		46.00	17.53	34.83	-11.17	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)

Reference: TYR87-2051

D

150X4



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Lavel VERTICAL	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
420.500	14.40		46.00	18.69	33.09	-12.91	Peak
421.870	14.40		46.00	18.71	33.11	-12.89	Peak
562.540	15.80		46.00	20.68	36.48	-9.52	Peak
569.270	13.40		46.00	20.77	34.17	-11.83	Peak
630.020	14.90		46.00	21.93	36.83	-9.17	Peak
773.540	15.10		46.00	24.49	39.59	-6.41	Peak
914.250		11.46	46.00	26.47	37.93	-8.07	QP
! 914.250	15.70		46.00	26.47	42.17	-3.83	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