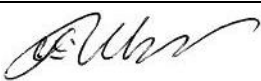




PHILIPS

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.: TYR87-2060 Date : 17 December, 2003 Page : Page 1 of 35
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. : A3KM125 Model Name : 150T4 Serial Number : TY0304604 Description : 15" SVGA LCD TV 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 : 01 Dec. 2003 Date of performance of test : 03 Dec., 2003 to 06 Dec., 2003		
 C.C. Wu - EMC Test Engineer  Ronnie Yang - EMC Manager		

Philips Electronics Industries (Taiwan) Ltd

This report shall not be reproduce except in full, without written approval of the testing laboratory

Table of contents

1. Summary of test results.....	3
2. General information of EUT.....	4
3. Test equipment.....	5
4. Test configuration of EUT and peripherals.....	6
5. Test procedure.....	7
6. Measurement uncertainty.....	9
7. Conducted emissions test.....	10
8. Radiated emissions test.....	19
9. Photographs of test set-up.....	31
10. References.....	35

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. : 150T4
 FCC ID : A3KM125
 Brand : PHILIPS

The color monitor automatically scans horizontal frequencies between 30KHz and 63KHz , 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 11 factory-preset modes as indicated in the following table:

#	Resolution	Frequency	Pixel rate	Sync	Comment
1	640X350	31.5K/70HZ	25.175	(+/-)	IBM VGA
2	720X400	31.5K/70HZ	28.322	(-/+)	IBM VGA
3	640X480	31.5K/60HZ	25.175	(-/-)	IBM VGA
4	640X480	35.0K/67HZ	30.24	(-/-)	MAC
5	640X480	37.5K/75HZ	31.501	(-/-)	VESA
6	800X600	35.2K/56HZ	36	(+/+)	VESA
7	800X600	37.9K/60HZ	40	(+/+)	VESA
8	800X600	46.9K/75HZ	49.498	(+/+)	VESA
9	832X624	49.7K/75HZ	57.28	(+/+)	MAC
10	1024X768	48.4K/60HZ	65	(-/-)	VESA
11	1024X768	60.0K/75HZ	78.75	(-/-)	VESA

3. Test Equipment

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

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

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

- For Conducted Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next Calibrate
Spectrum	HP8568B	2928A04640	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	08/21/2003	08/21/2004

- For Radiated Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next Calibrate
Spectrum	HP8568B	2928A04640	09/23/2003	09/23/2004
RF Preselector	HP85685A	2620A00338	09/23/2003	09/23/2004
QP Adapter	HP85650A	2811A01324	09/23/2003	09/23/2004
EMI Receiver	R & S ESVS30	841977/006	02/27/2003	02/27/2004
Biconical Antenna	EMCO 3110B	3224	08/21/2003	08/21/2004
Log-Periodic Antenna	EMCO 3146A	1425	08/21/2003	08/21/2004
Turn Table	EMCO 1060	1068	08/21/2003	08/21/2004
Antenna Tower	EMCO 1050	1113	08/21/2003	08/21/2004
RF Cable	M17/75-RG214-NE	N/A	08/21/2003	08/21/2004

4. Test Configuration of EUT and Peripherals

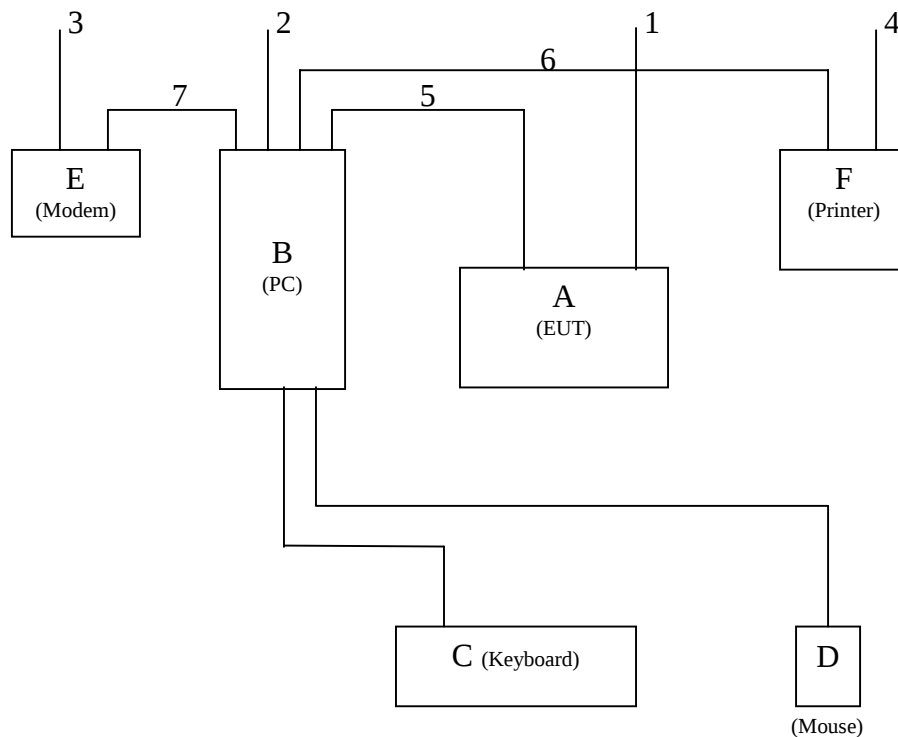
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT “150T4” were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	PHILIPS 150T4	TY0304604	A3KM125	EUT
B	PC	Compaq ENC P866	5K15FXHZ2013	FCC logo	
C	Keyboard	Compaq KB-9963	B26950GGALP13Q	FCC Logo	
D	Mouse	Compaq M-S48a		JNZ201213	
E	Modem	Hayes 231AA	A22231081770	BFJ9D9308US	
F	Printer	HP 2225C	2934S55406	DSI6XU2225	

Connected Cables

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

System Block Diagram of Test Configuration



5. Test Procedure

Test was performed by:

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

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

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

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

First, pre-scan all modes in screen room then select **2 higher modes** (worst case) were tested and reported.

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

Unshielded power cord was used during test.
D-sub I/F cable with two ferrite cores was used.

Tested and reported modes as following:

Test Item	File No.	Resolution	Frequencies	I/F Cable
Conducted	EMI03-043-C	1024x768	60KHz/75Hz	D-sub
		1024x768	48KHz/60Hz	D-sub
Radiated	EMI03-043-R	1024x768	60KHz/75Hz	D-sub
		1024x768	48KHz/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

: 03 Dec., 2003 to 06 Dec., 2003

Test Engineer

: C.C.Wu

For detail measurement results see next pages.

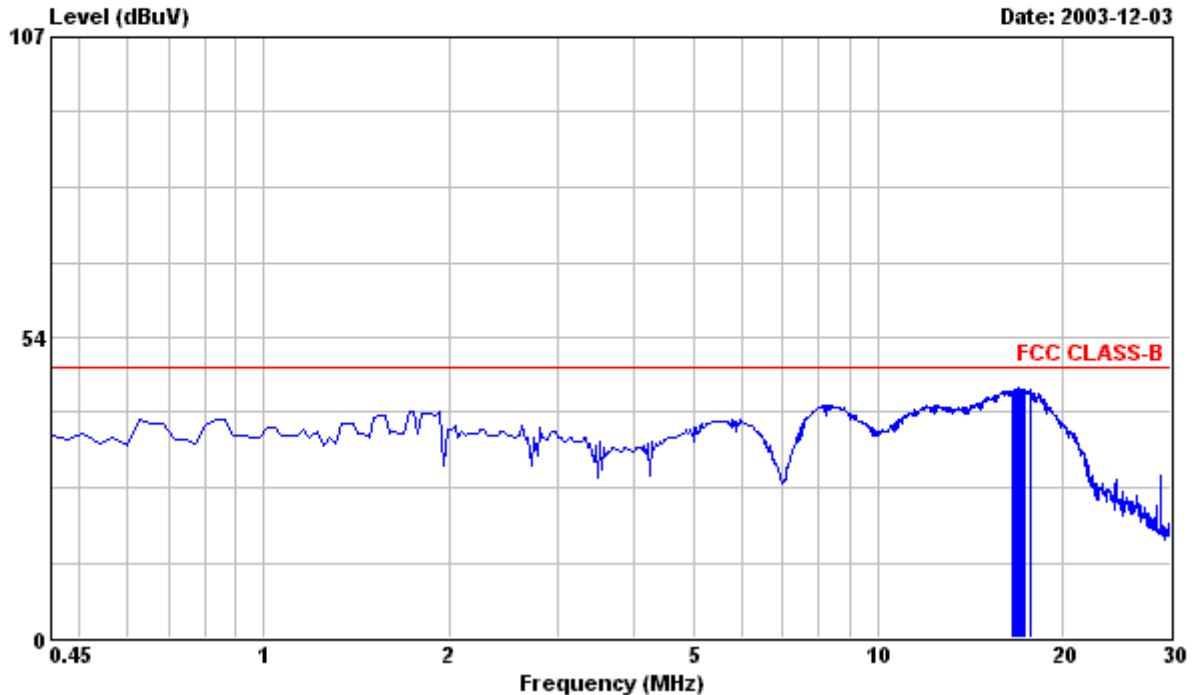


PHILIPS

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\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
16.525	43.30	---	48.00	0.73	44.03	-3.97	Peak
16.703	43.50	---	48.00	0.74	44.24	-3.76	Peak
16.880	43.40	---	48.00	0.74	44.14	-3.86	Peak
16.998	43.80	---	48.00	0.74	44.54	-3.46	Peak
17.116	43.50	---	48.00	0.75	44.25	-3.75	Peak
17.234	43.30	---	48.00	0.75	44.05	-3.95	Peak
17.294	43.30	---	48.00	0.75	44.05	-3.95	Peak
17.707	43.30	---	48.00	0.76	44.06	-3.94	Peak

Remarks: 1. All Readings are Peak & Quasi-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

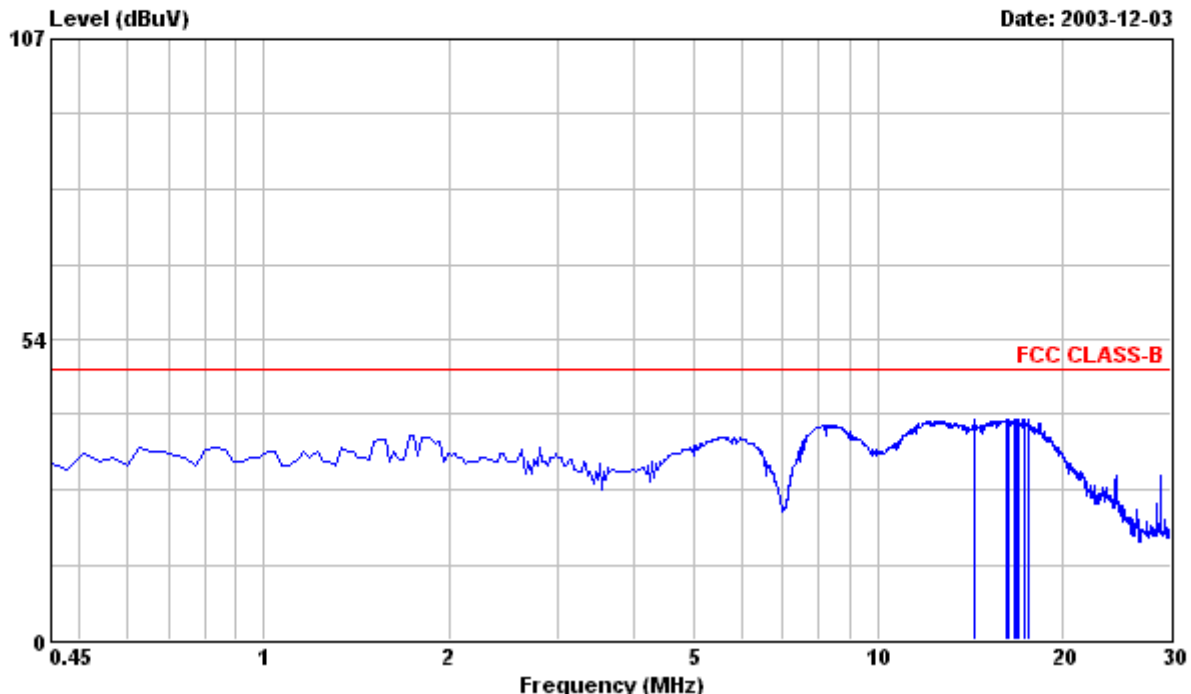


PHILIPS

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#: 2

File#: C:\Program Files\em3\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

14.398	38.40	---	48.00	0.69	39.09	-8.91	Peak
16.230	38.60	---	48.00	0.76	39.36	-8.64	Peak
16.348	38.30	---	48.00	0.76	39.06	-8.94	Peak
16.643	38.30	---	48.00	0.77	39.07	-8.93	Peak
16.880	38.30	---	48.00	0.78	39.08	-8.92	Peak
16.939	38.30	---	48.00	0.79	39.09	-8.91	Peak
17.294	38.30	---	48.00	0.80	39.10	-8.90	Peak
17.589	38.40	---	48.00	0.81	39.21	-8.79	Peak

Remarks: 1. All Readings are Peak & Quasi-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

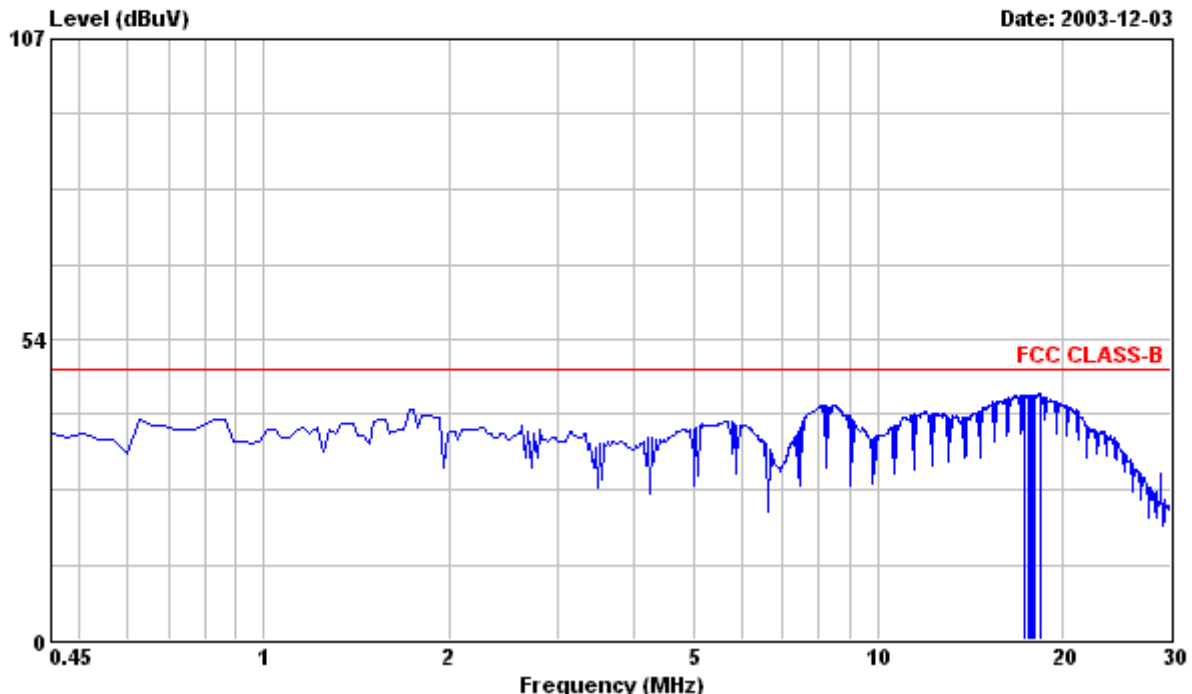


PHILIPS

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#: 3

File#: C:\Program Files\em3\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
17.353	42.80	---	48.00	0.75	43.55	-4.45	Peak
17.648	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.707	42.80	---	48.00	0.76	43.56	-4.44	Peak
17.766	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.825	42.70	---	48.00	0.76	43.46	-4.54	Peak
17.885	42.70	---	48.00	0.76	43.46	-4.54	Peak
18.062	42.81	---	48.00	0.76	43.57	-4.43	Peak
18.357	43.10	---	48.00	0.77	43.87	-4.13	Peak

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
17.353	42.80	---	48.00	0.75	43.55	-4.45	Peak
17.648	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.707	42.80	---	48.00	0.76	43.56	-4.44	Peak
17.766	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.825	42.70	---	48.00	0.76	43.46	-4.54	Peak
17.885	42.70	---	48.00	0.76	43.46	-4.54	Peak
18.062	42.81	---	48.00	0.76	43.57	-4.43	Peak
18.357	43.10	---	48.00	0.77	43.87	-4.13	Peak

Remarks: 1. All Readings are Peak & Quasi-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

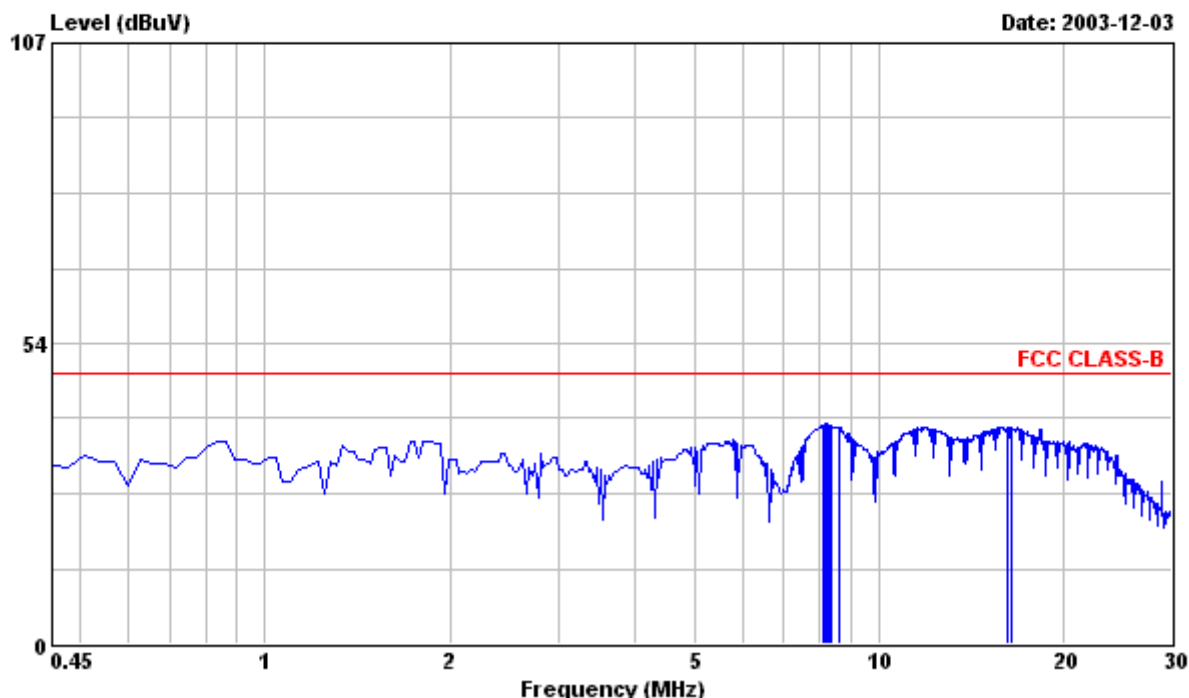


PHILIPS

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#: 4

File#: C:\Program Files\em3\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

8.133	38.60	---	48.00	0.41	39.01	-8.99	Peak
8.192	38.80	---	48.00	0.42	39.22	-8.78	Peak
8.251	38.80	---	48.00	0.43	39.23	-8.77	Peak
8.310	38.30	---	48.00	0.43	38.73	-9.27	Peak
8.369	38.40	---	48.00	0.44	38.84	-9.16	Peak
8.606	38.20	---	48.00	0.46	38.66	-9.34	Peak
16.230	37.90	---	48.00	0.76	38.66	-9.34	Peak
16.407	37.90	---	48.00	0.76	38.66	-9.34	Peak

Remarks: 1. All Readings are Peak & Quasi-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

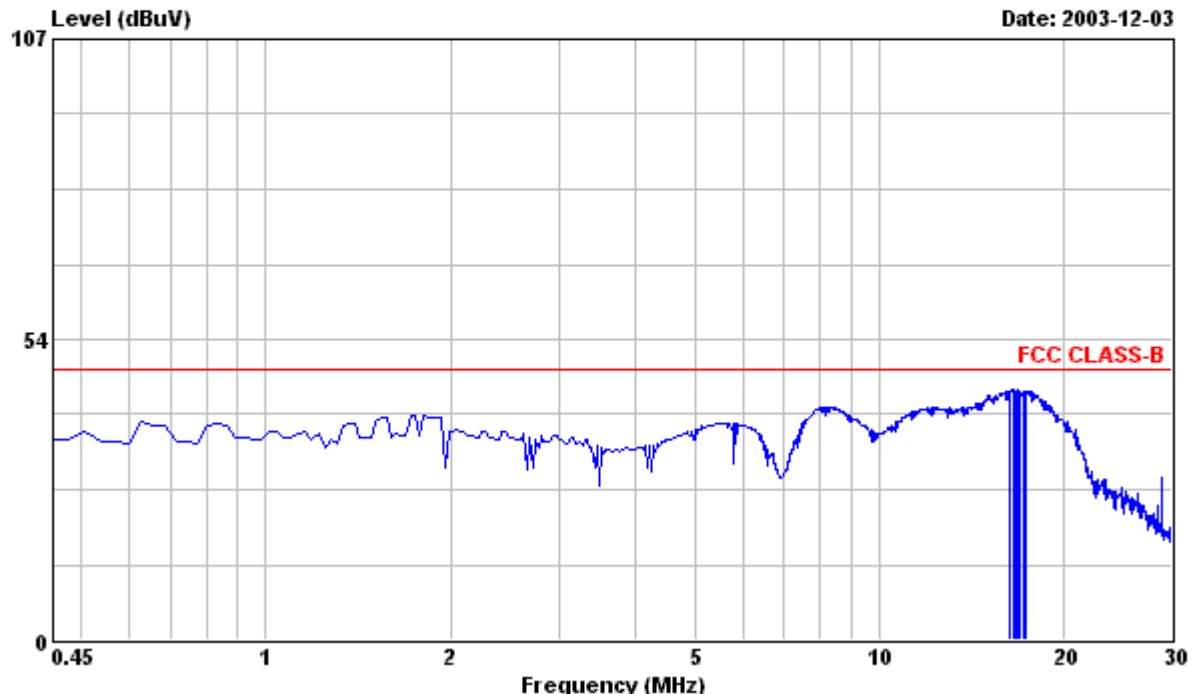


PHILIPS

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

Data#: 5

File#: C:\Program Files\em3\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/60Hz 48KHz MODE WITH COMPAQ
: ENC/P866/20E/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
16.289	43.60	---	48.00	0.73	44.33	-3.67	Peak
16.525	43.70	---	48.00	0.73	44.43	-3.57	Peak
16.703	43.60	---	48.00	0.74	44.34	-3.66	Peak
16.762	43.90	---	48.00	0.74	44.64	-3.36	Peak
16.880	43.60	---	48.00	0.74	44.34	-3.66	Peak
16.998	43.50	---	48.00	0.74	44.24	-3.76	Peak
17.234	43.60	---	48.00	0.75	44.35	-3.65	Peak
17.353	43.60	---	48.00	0.75	44.35	-3.65	Peak

Remarks: 1. All Readings are Peak & Quasi-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

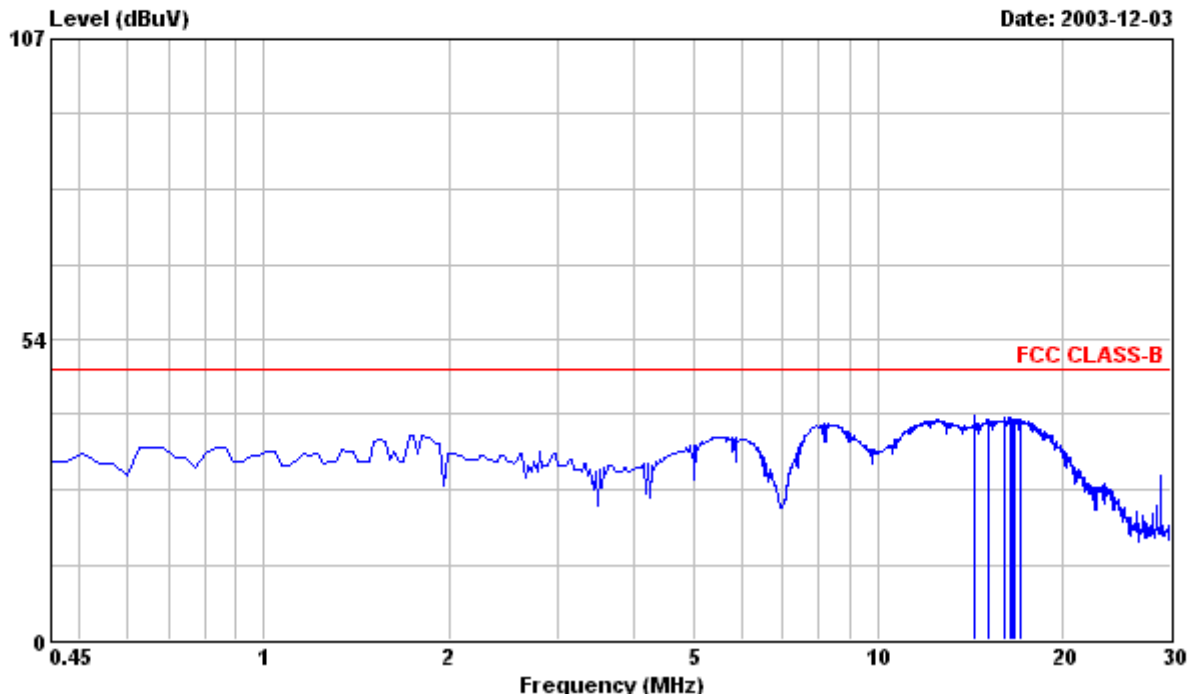


PHILIPS

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#: 6

File#: C:\Program Files\em3\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/60Hz 48KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

14.398	39.30	---	48.00	0.69	39.99	-8.01	Peak
15.107	38.70	---	48.00	0.71	39.41	-8.59	Peak
16.052	39.00	---	48.00	0.75	39.75	-8.25	Peak
16.112	38.60	---	48.00	0.75	39.35	-8.65	Peak
16.407	38.80	---	48.00	0.76	39.56	-8.44	Peak
16.525	38.60	---	48.00	0.77	39.37	-8.63	Peak
16.643	38.50	---	48.00	0.77	39.27	-8.73	Peak
17.116	38.50	---	48.00	0.79	39.29	-8.71	Peak

Remarks: 1. All Readings are Peak & Quasi-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

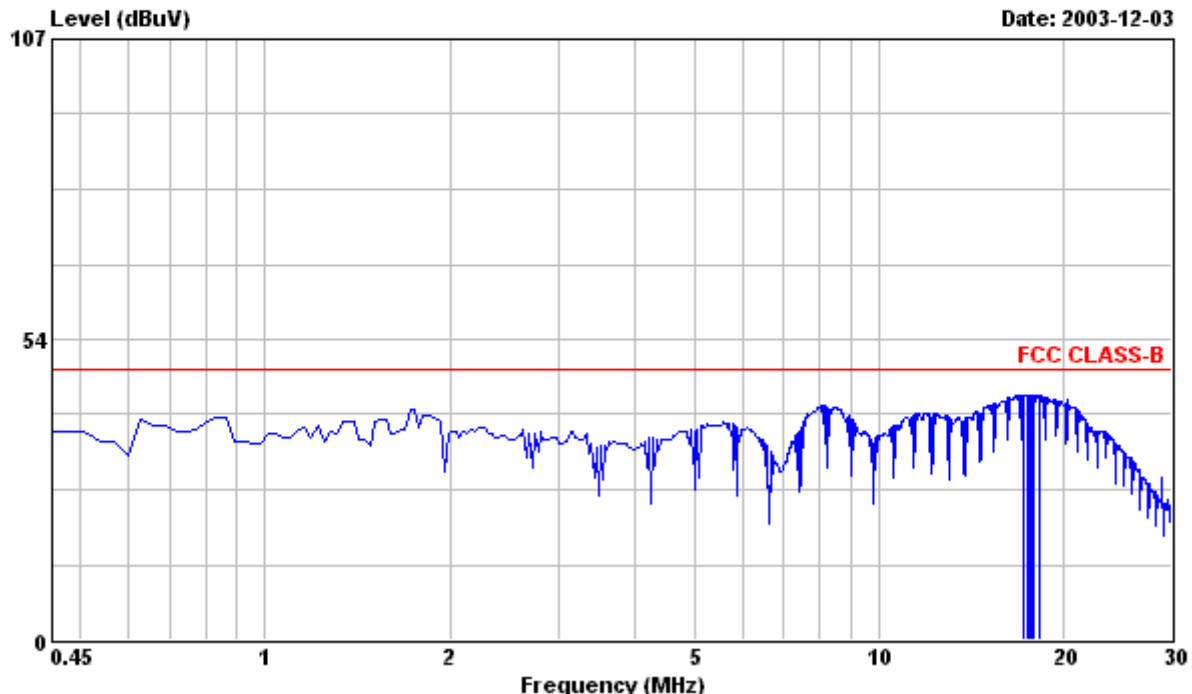


PHILIPS

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#: 7

File#: C:\Program Files\em3\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 220VAC
Memo :

1. EMI EVALUATION FOR FCC SAMPLE.
2. 2ND MODEL CPT PANEL,RUN IBM
V1.8 FONT 14 ARIA "H" PATTERN.
3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
AUDIO & ANT CABLE WERE CONNECTED
WITH DUMMY LOAD & WITH HEADPHONE.
4. 1024x768/60Hz 48KHz MODE WITH COMPAQ
ENC/P866/2OE/8/128A TAI PC,ATI RADEON
VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
17.175	42.90	---	48.00	0.75	43.65	-4.35	Peak
17.412	42.90	---	48.00	0.75	43.65	-4.35	Peak
17.471	42.80	---	48.00	0.75	43.55	-4.45	Peak
17.589	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.707	42.80	---	48.00	0.76	43.56	-4.44	Peak
17.766	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.825	42.80	---	48.00	0.76	43.56	-4.44	Peak
18.298	42.80	---	48.00	0.77	43.57	-4.43	Peak

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
17.175	42.90	---	48.00	0.75	43.65	-4.35	Peak
17.412	42.90	---	48.00	0.75	43.65	-4.35	Peak
17.471	42.80	---	48.00	0.75	43.55	-4.45	Peak
17.589	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.707	42.80	---	48.00	0.76	43.56	-4.44	Peak
17.766	42.90	---	48.00	0.76	43.66	-4.34	Peak
17.825	42.80	---	48.00	0.76	43.56	-4.44	Peak
18.298	42.80	---	48.00	0.77	43.57	-4.43	Peak

Remarks: 1. All Readings are Peak & Quasi-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

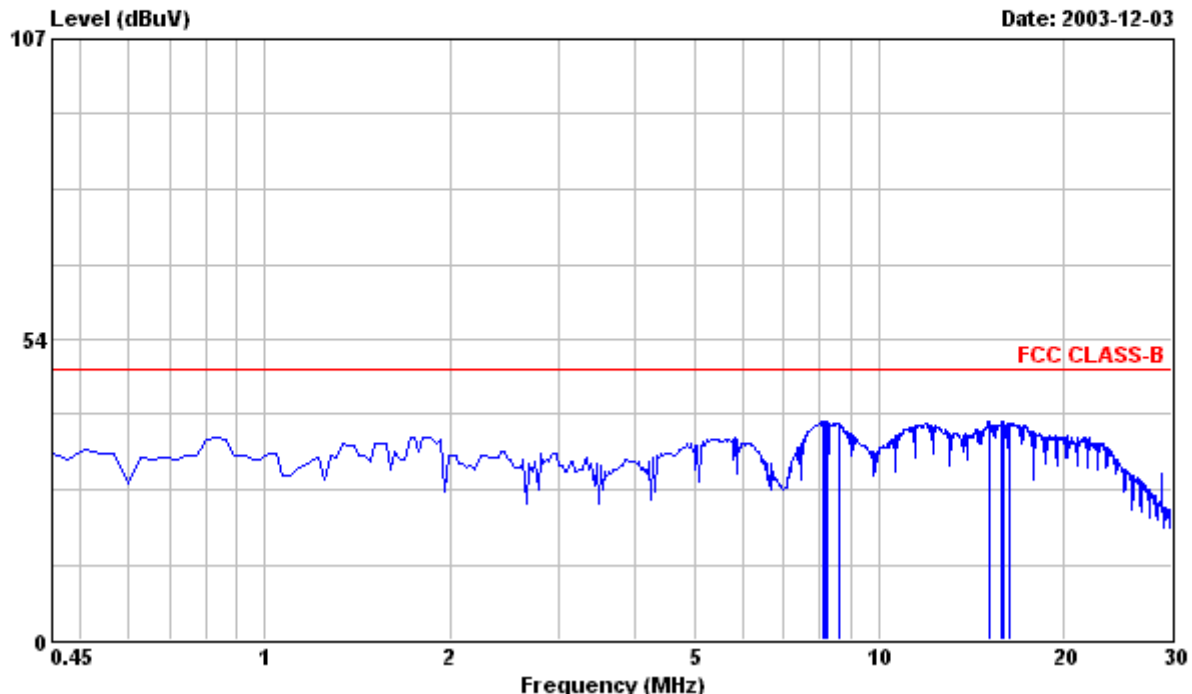


PHILIPS

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#: 8

File#: C:\Program Files\em3\EMI03-043-C(PHILIPS 150T4).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/60Hz 48KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

8.133	38.40	---	48.00	0.41	38.81	-9.19	Peak
8.192	38.60	---	48.00	0.42	39.02	-8.98	Peak
8.251	38.50	---	48.00	0.43	38.93	-9.07	Peak
8.606	38.10	---	48.00	0.46	38.56	-9.44	Peak
15.107	38.10	---	48.00	0.71	38.81	-9.19	Peak
15.875	38.20	---	48.00	0.74	38.94	-9.06	Peak
15.934	38.00	---	48.00	0.74	38.74	-9.26	Peak
16.289	37.80	---	48.00	0.76	38.56	-9.44	Peak

Remarks: 1. All Readings are Peak & Quasi-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
88.0 – 216.0	43.5	43.5
216.0 – 960.0	46.5	46.0
960.0 – 1000.0	49.5	54.0
Above 1000.0	49.5	54.0 Average
Test Result : Passed FCC Class B Limits		
Remark: 		
Date of Test Test Engineer	: 03 Dec., 2003 to 06 Dec., 2003 : C.C.Wu	
For detail measurement results see next pages.		

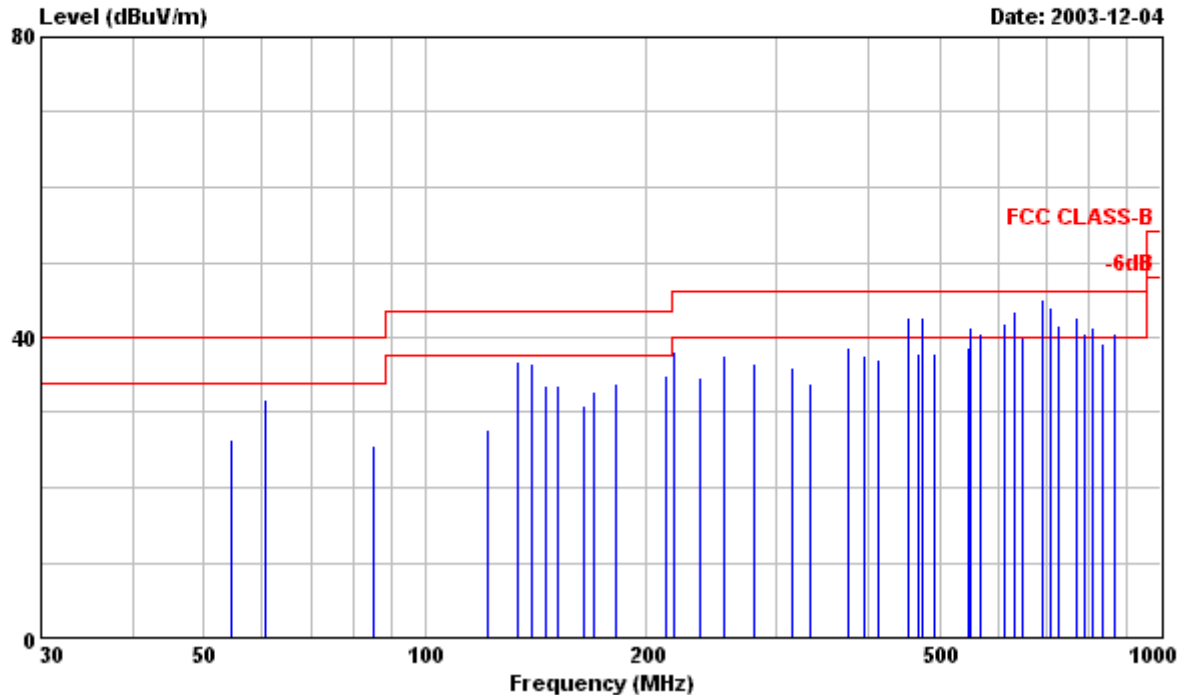


PHILIPS

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\EMI03-043-R(PHILIPS 150T4)..emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
54.600	15.90	---	40.00	10.37	26.27	-13.73	Peak
60.670	21.80	---	40.00	9.91	31.71	-8.29	Peak
84.930	15.00	---	40.00	10.66	25.66	-14.34	Peak
121.330	15.40	---	43.50	12.41	27.81	-15.69	Peak
133.470	23.90	---	43.50	12.83	36.73	-6.77	Peak
139.530	23.40	---	43.50	13.04	36.44	-7.06	Peak
145.610	20.40	---	43.50	13.27	33.67	-9.83	Peak

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



PHILIPS

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

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
HORIZONTAL							
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
151.670	20.10	---	43.50	13.46	33.56	-9.94	Peak
163.800	17.10	---	43.50	13.80	30.90	-12.60	Peak
169.870	18.80	---	43.50	13.96	32.76	-10.74	Peak
182.000	19.40	---	43.50	14.59	33.99	-9.51	Peak
212.330	17.40	---	43.50	17.42	34.82	-8.68	Peak
218.400	20.20	---	46.00	17.94	38.14	-7.86	Peak
236.600	15.30	---	46.00	19.45	34.75	-11.25	Peak
254.810	16.90	---	46.00	20.76	37.66	-8.34	Peak
279.070	14.40	---	46.00	22.11	36.51	-9.49	Peak
315.460	19.10	---	46.00	16.80	35.90	-10.10	Peak
333.660	16.70	---	46.00	17.18	33.88	-12.12	Peak
376.115	20.60	---	46.00	17.98	38.58	-7.42	Peak
394.320	19.40	---	46.00	18.31	37.71	-8.29	Peak
412.520	18.60	---	46.00	18.57	37.17	-8.83	Peak
! 455.000	---	22.53	46.00	19.14	41.67	-4.33	QP
! 455.000	23.90	---	46.00	19.14	43.04	-2.96	Peak
467.120	18.60	---	46.00	19.31	37.91	-8.09	Peak
! 473.190	23.60	---	46.00	19.39	42.99	-3.01	Peak
! 473.190	---	22.23	46.00	19.39	41.62	-4.38	QP
491.390	18.30	---	46.00	19.60	37.90	-8.10	Peak
545.970	18.20	---	46.00	20.42	38.62	-7.38	Peak
! 552.050	20.90	---	46.00	20.54	41.44	-4.56	Peak
552.050	---	19.41	46.00	20.54	39.95	-6.05	QP
! 570.250	19.80	---	46.00	20.80	40.60	-5.40	Peak
570.250	---	17.59	46.00	20.80	38.39	-7.61	QP
612.720	---	18.27	46.00	21.51	39.78	-6.22	QP
! 612.720	20.40	---	46.00	21.51	41.91	-4.09	Peak
! 630.920	---	19.35	46.00	21.98	41.33	-4.67	QP
! 630.920	21.40	---	46.00	21.98	43.38	-2.62	Peak
649.110	17.50	---	46.00	22.40	39.90	-6.10	Peak
! 691.570	21.60	---	46.00	23.34	44.94	-1.06	Peak
! 691.570	---	19.57	46.00	23.34	42.91	-3.09	QP
! 709.780	20.40	---	46.00	23.64	44.04	-1.96	Peak
! 709.780	---	17.68	46.00	23.64	41.32	-4.68	QP
! 727.980	17.60	---	46.00	23.88	41.48	-4.52	Peak
727.980	---	15.03	46.00	23.88	38.91	-7.09	QP
! 770.440	18.30	---	46.00	24.46	42.76	-3.24	Peak
! 770.440	---	15.80	46.00	24.46	40.26	-5.74	QP
! 788.640	15.90	---	46.00	24.66	40.56	-5.44	Peak
788.640	---	13.14	46.00	24.66	37.80	-8.20	QP
! 806.840	16.40	---	46.00	24.93	41.33	-4.67	Peak
806.840	---	13.20	46.00	24.93	38.13	-7.87	QP
831.650	14.00	---	46.00	25.29	39.29	-6.71	Peak
! 867.520	14.80	---	46.00	25.81	40.61	-5.39	Peak

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



PHILIPS

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

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
					HORIZONTAL		
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
867.520	---	11.14	46.00	25.81	36.95	-9.05	QP

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

Tested by : C C.Wu

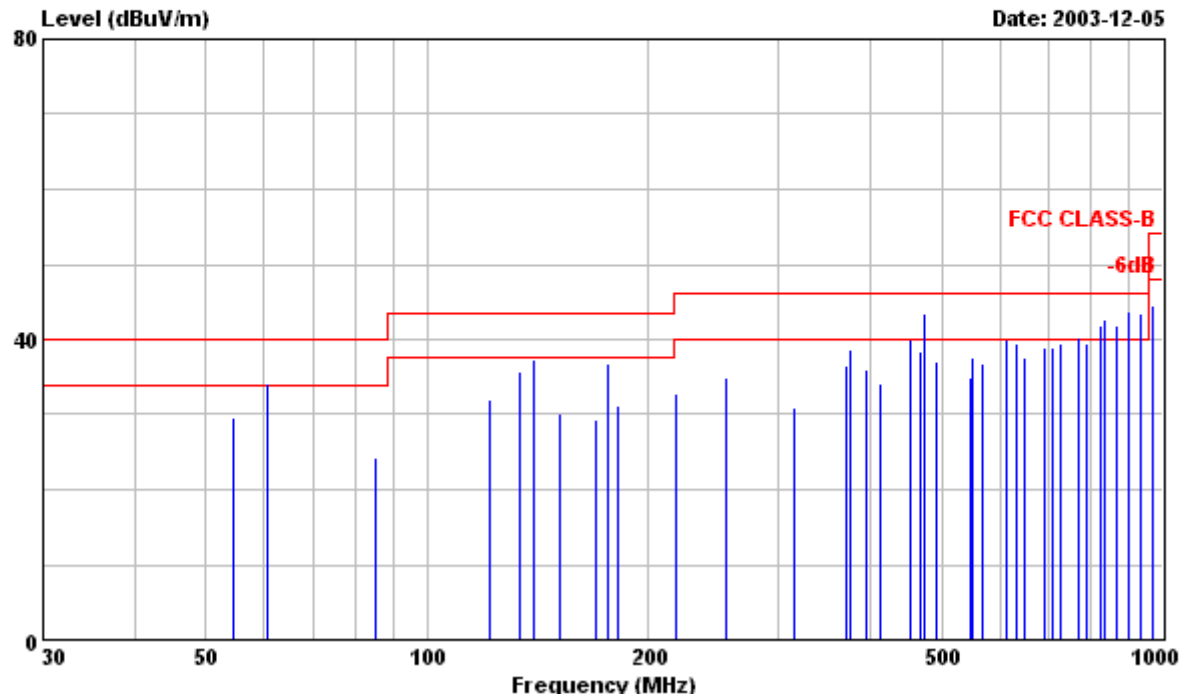


PHILIPS

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

Data#: 2

File#: C:\Program Files\em3\EMI03-043-R(PHILIPS 150T4)..emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/75Hz 60KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
54.600	19.30	---	40.00	10.37	29.67	-10.33	Peak
! 60.670	24.40	---	40.00	9.91	34.31	-5.69	Peak
60.670	---	22.90	40.00	9.91	32.81	-7.19	QP
84.930	13.50	---	40.00	10.66	24.16	-15.84	Peak
121.330	19.60	---	43.50	12.41	32.01	-11.49	Peak
133.470	23.00	---	43.50	12.83	35.83	-7.67	Peak
139.530	24.30	---	43.50	13.04	37.34	-6.16	Peak

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



PHILIPS

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

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	VERTICAL		
					dBuV/m	dBuV/m	
151.670	16.60	---	43.50	13.46	30.06	-13.44	Peak
169.870	15.30	---	43.50	13.96	29.26	-14.24	Peak
175.940	22.60	---	43.50	14.14	36.74	-6.76	Peak
182.000	16.70	---	43.50	14.59	31.29	-12.21	Peak
218.400	14.90	---	46.00	17.94	32.84	-13.16	Peak
254.810	14.20	---	46.00	20.76	34.96	-11.04	Peak
315.460	14.20	---	46.00	16.80	31.00	-15.00	Peak
370.060	18.70	---	46.00	17.88	36.58	-9.42	Peak
376.115	20.60	---	46.00	17.98	38.58	-7.42	Peak
394.320	17.60	---	46.00	18.31	35.91	-10.09	Peak
412.520	15.50	---	46.00	18.57	34.07	-11.93	Peak
455.000	20.80	---	46.00	19.14	39.94	-6.06	Peak
467.120	19.00	---	46.00	19.31	38.31	-7.69	Peak
! 473.190	24.10	---	46.00	19.39	43.49	-2.51	Peak
! 473.190	---	22.35	46.00	19.39	41.74	-4.26	QP
491.390	17.40	---	46.00	19.60	37.00	-9.00	Peak
545.970	14.50	---	46.00	20.42	34.92	-11.08	Peak
552.050	17.10	---	46.00	20.54	37.64	-8.36	Peak
570.250	16.10	---	46.00	20.80	36.90	-9.10	Peak
! 612.720	18.60	---	46.00	21.51	40.11	-5.89	Peak
612.720	---	16.26	46.00	21.51	37.77	-8.23	QP
630.920	17.50	---	46.00	21.98	39.48	-6.52	Peak
649.110	15.30	---	46.00	22.40	37.70	-8.30	Peak
691.570	15.70	---	46.00	23.34	39.04	-6.96	Peak
709.780	15.30	---	46.00	23.64	38.94	-7.06	Peak
727.980	15.60	---	46.00	23.88	39.48	-6.52	Peak
770.440	---	12.69	46.00	24.46	37.15	-8.85	QP
! 770.440	15.90	---	46.00	24.46	40.36	-5.64	Peak
788.640	14.80	---	46.00	24.66	39.46	-6.54	Peak
! 825.590	16.60	---	46.00	25.20	41.80	-4.20	Peak
825.590	---	13.06	46.00	25.20	38.26	-7.74	QP
! 831.650	17.70	---	46.00	25.29	42.99	-3.01	Peak
! 831.650	---	14.90	46.00	25.29	40.19	-5.81	QP
867.520	---	12.43	46.00	25.81	38.24	-7.76	QP
! 867.520	16.00	---	46.00	25.81	41.81	-4.19	Peak
! 900.940	---	14.77	46.00	26.30	41.07	-4.93	QP
! 900.940	17.50	---	46.00	26.30	43.80	-2.20	Peak
932.870	---	12.92	46.00	26.73	39.65	-6.35	QP
! 932.870	16.70	---	46.00	26.73	43.43	-2.57	Peak
970.190	17.20	---	54.00	27.21	44.41	-9.59	Peak

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

Tested by : C C.Wu

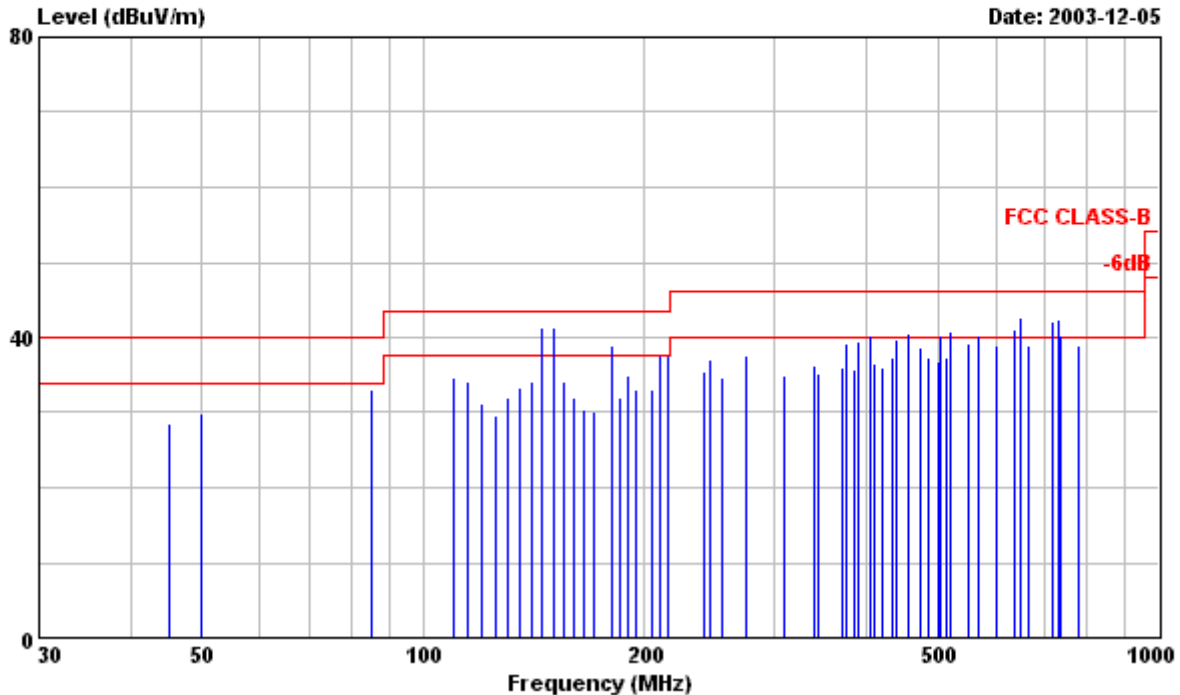


PHILIPS

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#: 3

File#: C:\Program Files\em3\EMI03-043-R(PHILIPS 150T4)..emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/60Hz 48KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
45.030	16.90	---	40.00	11.50	28.40	-11.60	Peak
50.020	19.00	---	40.00	10.80	29.80	-10.20	Peak
85.050	22.40	---	40.00	10.66	33.06	-6.94	Peak
110.060	22.70	---	43.50	11.93	34.63	-8.87	Peak
115.060	22.00	---	43.50	12.15	34.15	-9.35	Peak
120.060	18.90	---	43.50	12.38	31.28	-12.22	Peak
125.060	17.20	---	43.50	12.50	29.70	-13.80	Peak

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



PHILIPS

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

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
HORIZONTAL							
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
130.060	19.20	---	43.50	12.69	31.89	-11.61	Peak
135.060	20.50	---	43.50	12.89	33.39	-10.11	Peak
140.060	21.10	---	43.50	13.06	34.16	-9.34	Peak
! 145.060	28.22	---	43.50	13.24	41.46	-2.04	Peak
! 145.060	---	27.00	43.50	13.24	40.24	-3.26	QP
! 150.070	---	26.54	43.50	13.41	39.95	-3.55	QP
! 150.070	27.90	---	43.50	13.41	41.31	-2.19	Peak
155.070	20.50	---	43.50	13.55	34.05	-9.45	Peak
160.070	18.40	---	43.50	13.71	32.11	-11.39	Peak
165.070	16.50	---	43.50	13.83	30.33	-13.17	Peak
170.080	16.10	---	43.50	13.97	30.07	-13.43	Peak
! 180.080	24.60	---	43.50	14.40	39.00	-4.50	Peak
! 180.080	---	23.17	43.50	14.40	37.57	-5.93	QP
185.080	17.20	---	43.50	14.91	32.11	-11.39	Peak
190.080	19.40	---	43.50	15.41	34.81	-8.69	Peak
195.080	17.30	---	43.50	15.86	33.16	-10.34	Peak
205.100	16.40	---	43.50	16.76	33.16	-10.34	Peak
! 210.100	20.30	---	43.50	17.22	37.52	-5.98	Peak
210.100	---	18.55	43.50	17.22	35.77	-7.73	QP
215.100	19.80	---	43.50	17.68	37.48	-6.02	Peak
215.100	---	18.10	43.50	17.68	35.78	-7.72	QP
240.100	15.80	---	46.00	19.71	35.51	-10.49	Peak
245.100	16.90	---	46.00	20.11	37.01	-8.99	Peak
255.100	13.90	---	46.00	20.76	34.66	-11.34	Peak
275.110	15.70	---	46.00	21.90	37.60	-8.40	Peak
310.120	18.30	---	46.00	16.69	34.99	-11.01	Peak
340.150	19.10	---	46.00	17.30	36.40	-9.60	Peak
345.150	17.90	---	46.00	17.41	35.31	-10.69	Peak
370.150	18.10	---	46.00	17.88	35.98	-10.02	Peak
375.160	21.20	---	46.00	17.95	39.15	-6.85	Peak
385.160	17.50	---	46.00	18.14	35.64	-10.36	Peak
390.160	21.20	---	46.00	18.24	39.44	-6.56	Peak
405.160	---	19.97	46.00	18.46	38.43	-7.57	QP
! 405.160	21.80	---	46.00	18.46	40.26	-5.74	Peak
410.170	18.00	---	46.00	18.54	36.54	-9.46	Peak
420.170	17.20	---	46.00	18.69	35.89	-10.11	Peak
435.170	18.50	---	46.00	18.90	37.40	-8.60	Peak
440.180	20.90	---	46.00	18.96	39.86	-6.14	Peak
455.180	---	20.01	46.00	19.16	39.17	-6.83	QP
! 455.180	21.40	---	46.00	19.16	40.56	-5.44	Peak
475.190	19.30	---	46.00	19.41	38.71	-7.29	Peak
485.210	17.70	---	46.00	19.53	37.23	-8.77	Peak
500.210	17.20	---	46.00	19.70	36.90	-9.10	Peak
505.210	---	18.64	46.00	19.79	38.43	-7.57	QP

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



PHILIPS

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

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
HORIZONTAL							
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
! 505.210	20.40	---	46.00	19.79	40.19	-5.81	Peak
515.210	17.50	---	46.00	19.96	37.46	-8.54	Peak
! 520.220	20.80	---	46.00	20.05	40.85	-5.15	Peak
520.220	---	18.75	46.00	20.05	38.80	-7.20	QP
550.220	18.60	---	46.00	20.51	39.11	-6.89	Peak
! 570.250	19.60	---	46.00	20.80	40.40	-5.60	Peak
570.250	---	18.12	46.00	20.80	38.92	-7.08	QP
600.250	17.80	---	46.00	21.20	39.00	-7.00	Peak
! 635.260	18.90	---	46.00	22.09	40.99	-5.01	Peak
635.260	---	16.56	46.00	22.09	38.65	-7.35	QP
! 650.260	20.20	---	46.00	22.40	42.60	-3.40	Peak
! 650.260	---	17.66	46.00	22.40	40.06	-5.94	QP
665.270	16.10	---	46.00	22.77	38.87	-7.13	Peak
! 715.290	18.40	---	46.00	23.71	42.11	-3.89	Peak
715.290	---	15.45	46.00	23.71	39.16	-6.84	QP
715.290	---	15.45	46.00	23.71	39.16	-6.84	QP
! 730.290	18.60	---	46.00	23.91	42.51	-3.49	Peak
730.290	---	15.94	46.00	23.91	39.85	-6.15	QP
! 735.300	16.40	---	46.00	23.98	40.38	-5.62	Peak
735.300	---	13.60	46.00	23.98	37.58	-8.42	QP
780.320	14.40	---	46.00	24.56	38.96	-7.04	Peak

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

Tested by : C C.Wu

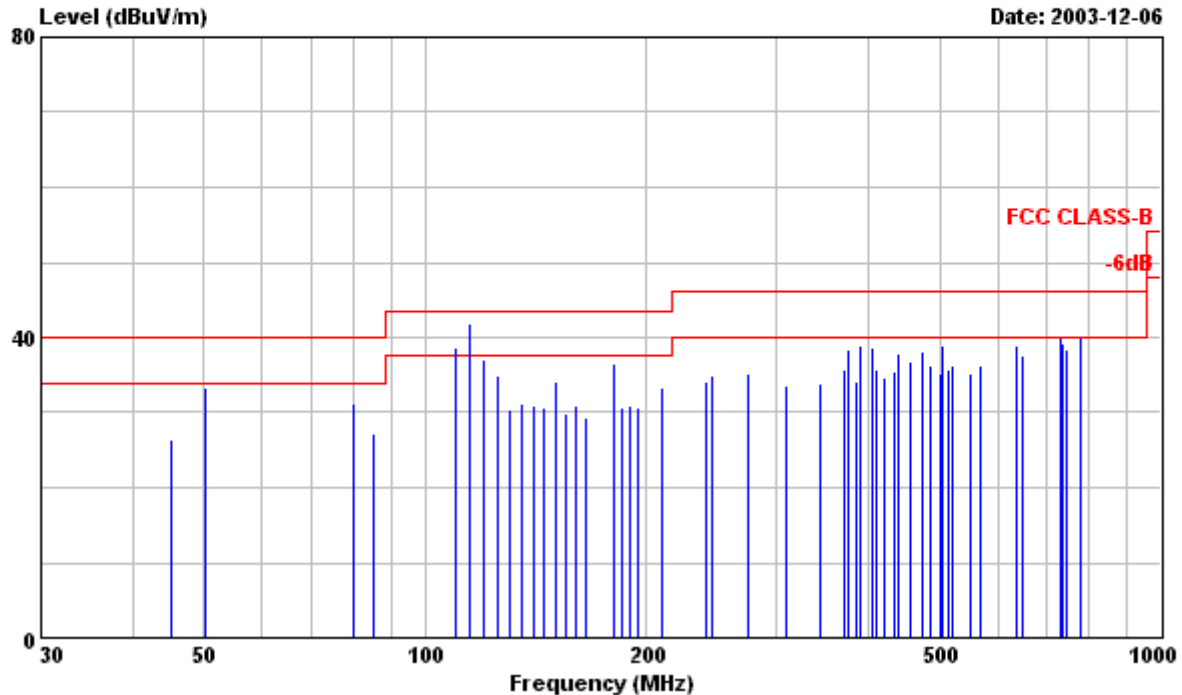


PHILIPS

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

Data#: 4

File#: C:\Program Files\em3\EMI03-043-R(PHILIPS 150T4)..emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 150T4 Serial No:TY0304604
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL CPT PANEL,RUN IBM
: V1.8 FONT 14 ARIA "H" PATTERN.
: 3. EXTRA PC AUDIO,AV-VIDEO,S-VIDEO,
: AUDIO & ANT CABLE WERE CONNECTED
: WITH DUMMY LOAD & WITH HEADPHONE.
: 4. 1024x768/60Hz 48KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CARD WAS TESTED.

Frequency	Peak	Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz		dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
45.030		14.80	---	40.00	11.50	26.30	-13.70	Peak
50.030		22.40	---	40.00	10.80	33.20	-6.80	Peak
80.030		20.80	---	40.00	10.40	31.20	-8.80	Peak
85.050		16.60	---	40.00	10.66	27.26	-12.74	Peak
110.060		---	25.30	43.50	11.93	37.23	-6.27	QP
! 110.060		26.70	---	43.50	11.93	38.63	-4.87	Peak
! 115.060		29.60	---	43.50	12.15	41.75	-1.75	Peak

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



PHILIPS

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

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	VERTICAL dBuV/m	dBuV/m	
! 115.060	---	28.82	43.50	12.15	40.97	-2.53	QP
120.060	24.60	---	43.50	12.38	36.98	-6.52	Peak
125.060	22.40	---	43.50	12.50	34.90	-8.60	Peak
130.060	17.70	---	43.50	12.69	30.39	-13.11	Peak
135.060	18.39	---	43.50	12.89	31.28	-12.22	Peak
140.060	17.90	---	43.50	13.06	30.96	-12.54	Peak
145.060	17.29	---	43.50	13.24	30.53	-12.97	Peak
150.070	20.60	---	43.50	13.41	34.01	-9.49	Peak
155.070	16.30	---	43.50	13.55	29.85	-13.65	Peak
160.070	17.10	---	43.50	13.71	30.81	-12.69	Peak
165.070	15.50	---	43.50	13.83	29.33	-14.17	Peak
180.080	22.10	---	43.50	14.40	36.50	-7.00	Peak
185.080	15.70	---	43.50	14.91	30.61	-12.89	Peak
190.080	15.40	---	43.50	15.41	30.81	-12.69	Peak
195.080	14.70	---	43.50	15.86	30.56	-12.94	Peak
210.100	16.00	---	43.50	17.22	33.22	-10.28	Peak
240.100	14.30	---	46.00	19.71	34.01	-11.99	Peak
245.100	14.70	---	46.00	20.11	34.81	-11.19	Peak
275.100	13.30	---	46.00	21.90	35.20	-10.80	Peak
310.120	16.90	---	46.00	16.69	33.59	-12.41	Peak
345.150	16.40	---	46.00	17.41	33.81	-12.19	Peak
370.150	17.90	---	46.00	17.88	35.78	-10.22	Peak
375.160	20.50	---	46.00	17.95	38.45	-7.55	Peak
385.160	15.90	---	46.00	18.14	34.04	-11.96	Peak
390.160	20.80	---	46.00	18.24	39.04	-6.96	Peak
405.160	20.10	---	46.00	18.46	38.56	-7.44	Peak
410.170	17.10	---	46.00	18.54	35.64	-10.36	Peak
420.170	15.90	---	46.00	18.69	34.59	-11.41	Peak
435.170	16.50	---	46.00	18.90	35.40	-10.60	Peak
440.180	18.90	---	46.00	18.96	37.86	-8.14	Peak
455.180	17.70	---	46.00	19.16	36.86	-9.14	Peak
475.190	18.80	---	46.00	19.41	38.21	-7.79	Peak
485.210	16.60	---	46.00	19.53	36.13	-9.87	Peak
500.210	15.50	---	46.00	19.70	35.20	-10.80	Peak
505.210	19.20	---	46.00	19.79	38.99	-7.01	Peak
515.210	15.70	---	46.00	19.96	35.66	-10.34	Peak
520.220	16.20	---	46.00	20.05	36.25	-9.75	Peak
550.220	14.80	---	46.00	20.51	35.31	-10.69	Peak
570.250	15.60	---	46.00	20.80	36.40	-9.60	Peak
635.260	16.80	---	46.00	22.09	38.89	-7.11	Peak
650.270	15.30	---	46.00	22.40	37.70	-8.30	Peak
! 730.290	16.10	---	46.00	23.91	40.01	-5.99	Peak
730.290	---	12.87	46.00	23.91	36.78	-9.22	QP
735.300	15.10	---	46.00	23.98	39.08	-6.92	Peak

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

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

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



PHILIPS

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

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
	MHz	dBuV	dBuV	dBuV/m	dB/m	VERTICAL dBuV/m	dBuV/m
	745.300	14.20	---	46.00	24.12	38.32	-7.68 Peak
!	780.320	15.50	---	46.00	24.56	40.06	-5.94 Peak
	780.320	---	12.46	46.00	24.56	37.02	-8.98 QP

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

Tested by : C C.Wu