



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.: TYR87-2049 Date : 01 July, 2003 Page : Page 1 of 37
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. : A3KM123 Model Name : 109B50 Serial Number : TY0304232 Description : 19" SXGA color monitor, Max. resolution 1920x1440/60Hz		
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 : 24 Jun. 2003 Date of performance of test : 25 Jun., 2003 to 26 Jun., 2003		
 C.C. Wu - EMC Test Engineer  Ronnie Yang - EMC Manager		

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, 19" color monitor :

Model No. : 109B50
FCC ID : A3KM123
Brand : PHILIPS

The color monitor automatically scans horizontal frequencies between 30KHz and 97KHz , and vertical frequencies between 50Hz and 160Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1920x1440 pixels.

The monitor has 7 factory-preset modes as indicated in the following table:

Item	Resolution	Freq. V x H	Pixel rate(Mhz)	Remark
1	800x600	85(53.674k)	56.250	VESA
2	1024x768	75(60.000k)	78.750	VESA
3	1024x768	85(68.677k)	94.500	VESA
4	1152x864	85(77.100k)	121.500	VESA/P
5	1280x1024	75(79.976k)	135.000	VESA
6	1600x1200	75(93.750k)	202.500	VESA
7	1920x1440	60(90.000k)	234.000	VESA/P

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	09/15-2002	09/15/2003

- For Radiated Emissions Test:

Test Equipment	Model No.	Serial No.	Last Calibrate	Next 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

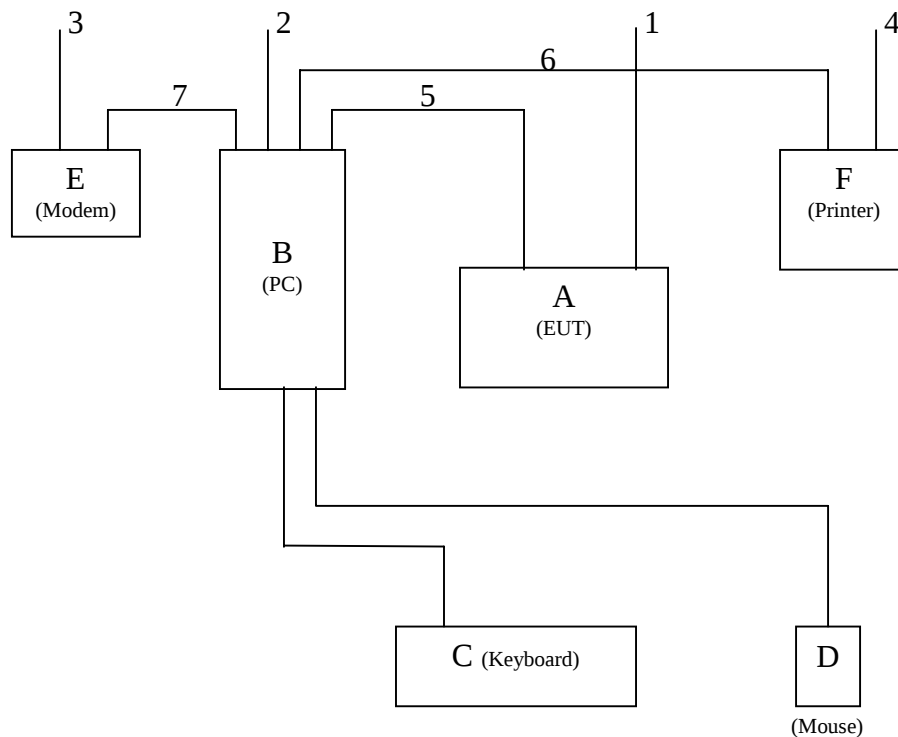
The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT “109B50” were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	Philips 109B50	TY0304232	A3KM123	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	EMI03-028-C	1600x1200	93.8KHz/75Hz	D-sub
		1920x1440	90KHz/60Hz	D-sub
Radiated	EMI03-028-R	1600x1200	93.8KHz/75Hz	D-sub
		1920x1440	90KHz/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

: 25 Jun., 2003 to 26 Jun., 2003

Test Engineer

: C.C.Wu

For detail measurement results see next pages.

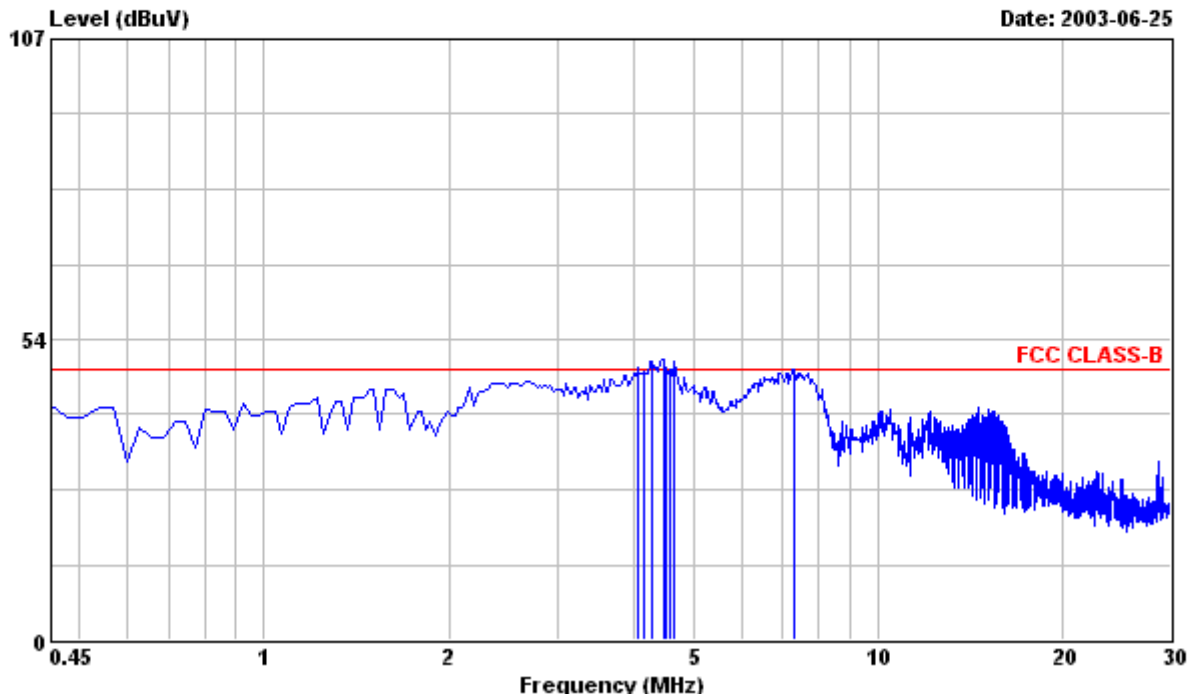


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Data#: 1

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1600x1200/75Hz 93.8KHz MODE WITH
: COMPAQ ENC/P866/20E/8/128A TAI PC,ATI
: RADEON VE DDR VIDEO CAR WAS TESTED.

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

4.060	---	43.26	48.00	0.39	43.65	-4.35	QP
4.060	48.30	---	48.00	0.39	48.69	0.69	Peak
4.170	---	43.12	48.00	0.38	43.50	-4.50	QP
4.170	47.60	---	48.00	0.38	47.98	-0.02	Peak
4.290	49.40	---	48.00	0.37	49.77	1.77	Peak
4.290	---	43.40	48.00	0.37	43.77	-4.23	QP
4.470	49.80	---	48.00	0.35	50.15	2.15	Peak
4.470	---	43.69	48.00	0.35	44.04	-3.96	QP
4.530	48.40	---	48.00	0.34	48.74	0.74	Peak
4.530	---	43.34	48.00	0.34	43.68	-4.32	QP
4.590	48.00	---	48.00	0.34	48.34	0.34	Peak
4.590	---	43.14	48.00	0.34	43.48	-4.52	QP

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



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Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
4.650	---	43.69	48.00	0.33	44.02	-3.98	QP
4.650	49.60	---	48.00	0.33	49.93	1.93	Peak
7.310	48.00	---	48.00	0.40	48.40	0.40	Peak
7.310	---	43.06	48.00	0.40	43.46	-4.54	QP

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

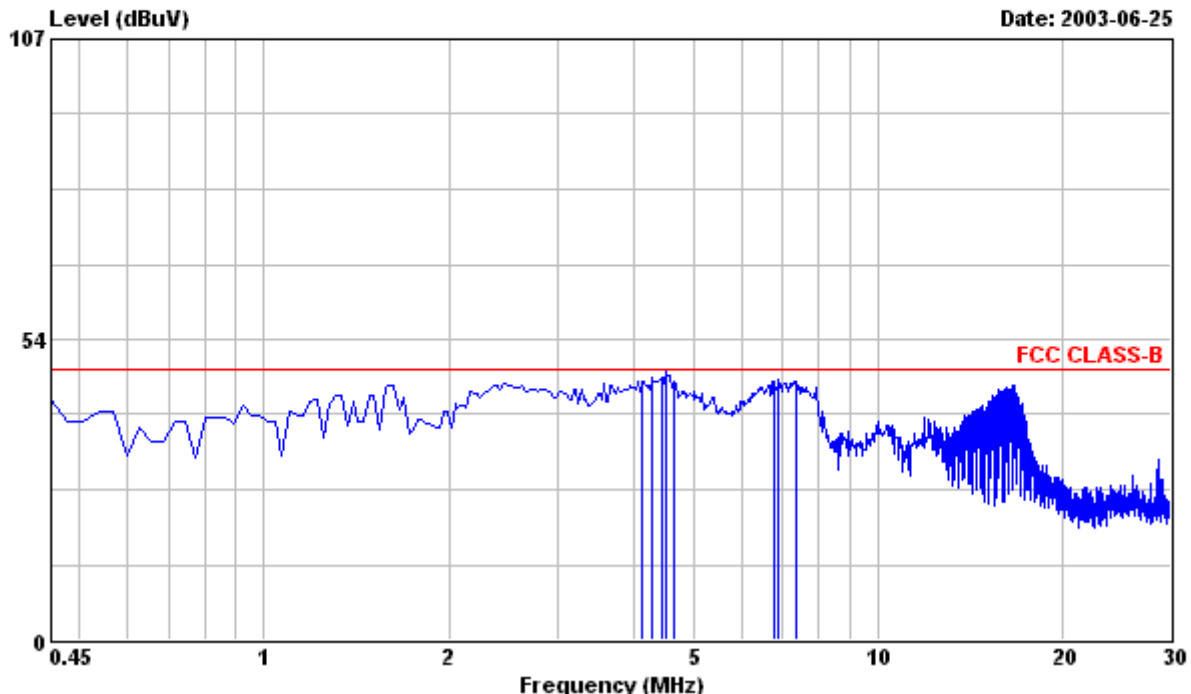


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Data#: 2

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1600x1200/75Hz 93.8KHz MODE WITH
: COMPAQ ENC/P866/20E/8/128A TAI PC,ATI
: RADEON VE DDR VIDEO CAR WAS TESTED.

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

4.114	45.70	---	48.00	0.39	46.09	-1.91	Peak
4.292	46.20	---	48.00	0.37	46.57	-1.43	Peak
4.439	46.30	---	48.00	0.35	46.65	-1.35	Peak
4.528	47.41	---	48.00	0.34	47.75	-0.25	Peak
4.646	45.70	---	48.00	0.33	46.03	-1.97	Peak
6.774	45.60	---	48.00	0.40	46.00	-2.00	Peak
6.892	45.90	---	48.00	0.40	46.30	-1.70	Peak
7.365	45.50	---	48.00	0.40	45.90	-2.10	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

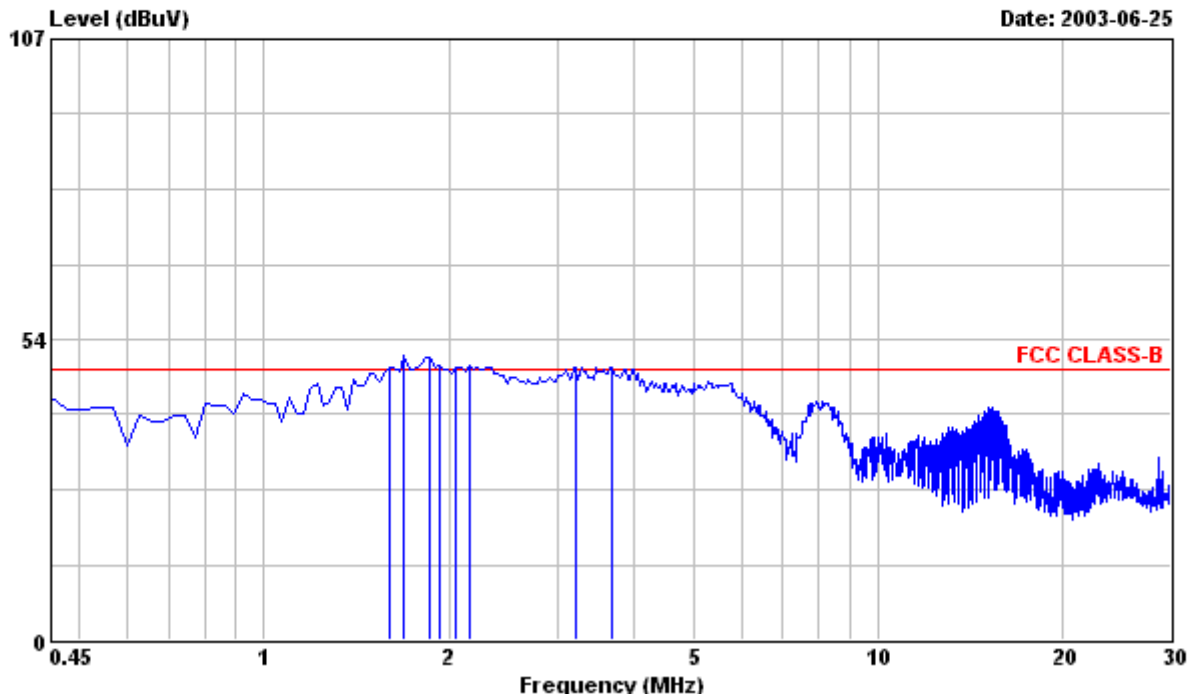


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Data#: 3

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1600x1200/75Hz 93.8KHz MODE WITH
: COMPAQ ENC/P866/20E/8/128A TAI PC,ATI
: RADEON VE DDR VIDEO CAR WAS TESTED.

Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
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1.602	---	43.41	48.00	0.40	43.81	-4.19	QP
1.602	48.20	---	48.00	0.40	48.60	0.60	Peak
1.691	---	44.45	48.00	0.40	44.85	-3.15	QP
1.691	50.30	---	48.00	0.40	50.70	2.70	Peak
1.868	---	44.12	48.00	0.40	44.52	-3.48	QP
1.868	49.90	---	48.00	0.40	50.30	2.30	Peak
1.928	48.40	---	48.00	0.40	48.80	0.80	Peak
1.928	---	43.46	48.00	0.40	43.86	-4.14	QP
2.046	48.20	---	48.00	0.40	48.60	0.60	Peak
2.046	---	43.39	48.00	0.40	43.79	-4.21	QP
2.164	48.60	---	48.00	0.40	49.00	1.00	Peak
2.164	---	43.59	48.00	0.40	43.99	-4.01	QP

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



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Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
3.228	48.10	---	48.00	0.40	48.50	0.50	Peak
3.228	---	43.39	48.00	0.40	43.79	-4.21	QP
3.701	48.20	---	48.00	0.40	48.60	0.60	Peak
3.701	---	43.40	48.00	0.40	43.80	-4.20	QP

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

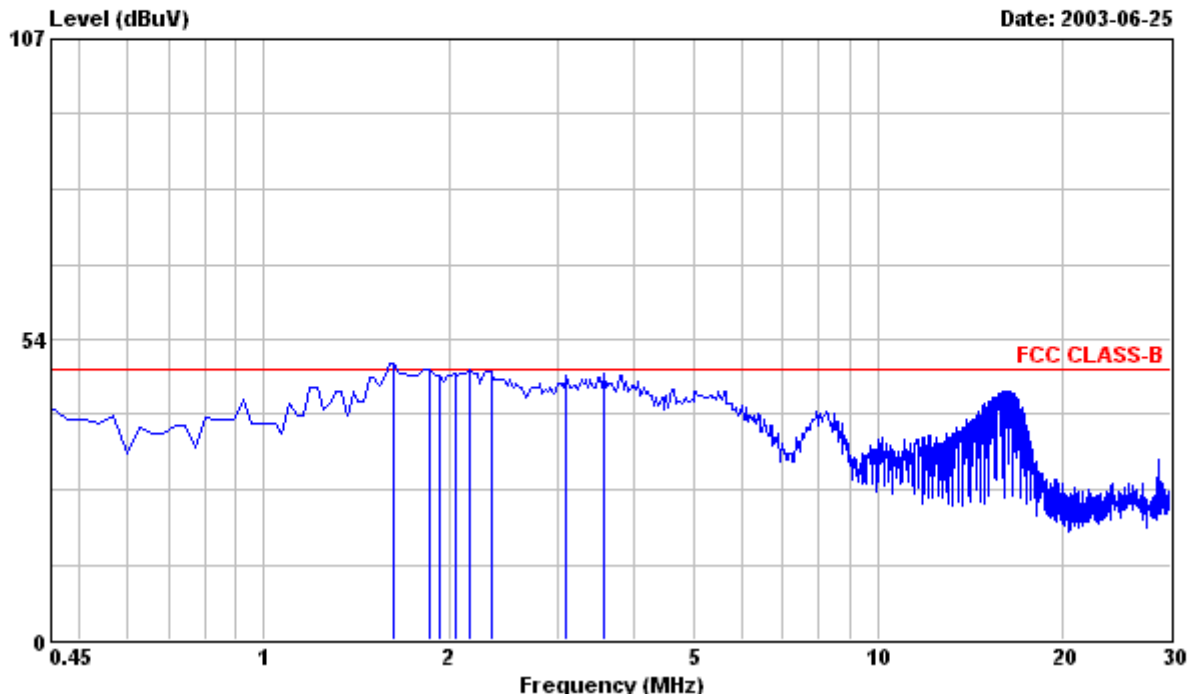


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Data#: 4

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1600x1200/75Hz 93.8KHz MODE WITH
: COMPAQ ENC/P866/20E/8/128A TAI PC,ATI
: RADEON VE DDR VIDEO CAR WAS TESTED.

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

1.632	48.70	---	48.00	0.40	49.10	1.10	Peak
1.632	---	44.39	48.00	0.40	44.79	-3.21	QP
1.868	---	43.67	48.00	0.40	44.07	-3.93	QP
1.868	47.80	---	48.00	0.40	48.20	0.20	Peak
1.928	46.80	---	48.00	0.40	47.20	-0.80	Peak
2.046	47.10	---	48.00	0.40	47.50	-0.50	Peak
2.164	47.60	---	48.00	0.40	48.00	0.00	Peak
2.164	---	42.72	48.00	0.40	43.12	-4.88	QP
2.341	---	42.42	48.00	0.40	42.82	-5.18	QP
2.341	47.50	---	48.00	0.40	47.90	-0.10	Peak
3.110	46.80	---	48.00	0.40	47.20	-0.80	Peak
3.582	47.20	---	48.00	0.40	47.60	-0.40	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

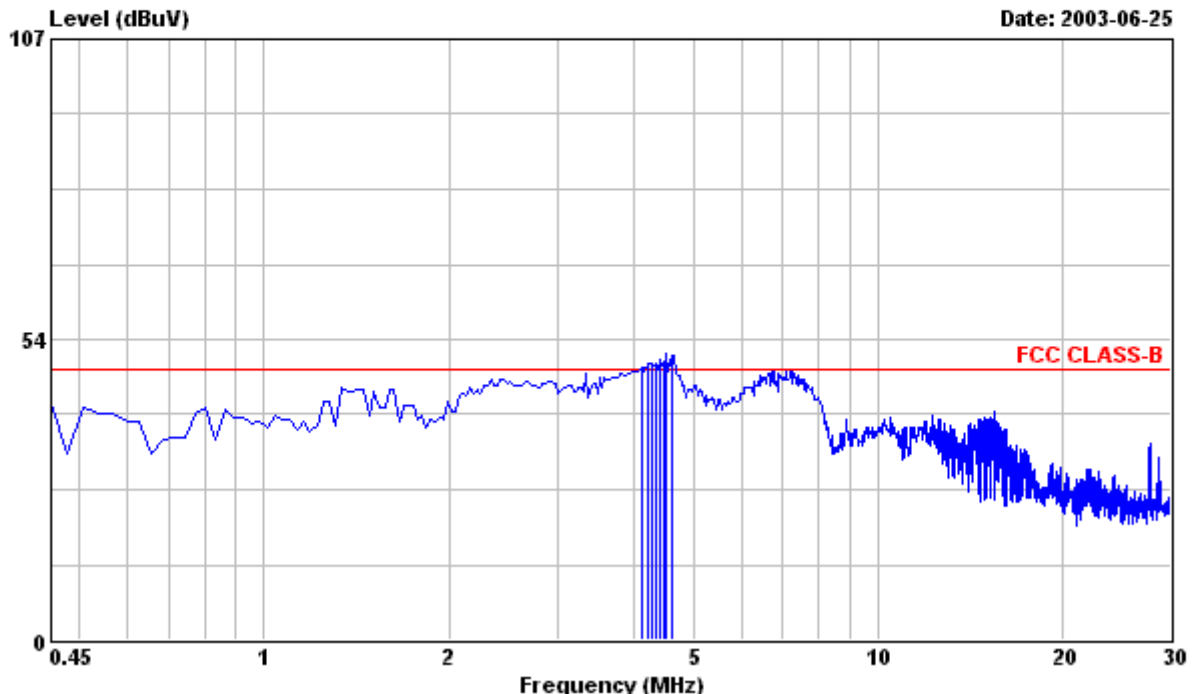


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Data#: 5

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1920x1440/60Hz 90KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

4.114	---	43.32	48.00	0.39	43.71	-4.29	QP
4.114	48.20	---	48.00	0.39	48.59	0.59	Peak
4.232	---	43.47	48.00	0.37	43.84	-4.16	QP
4.232	49.01	---	48.00	0.37	49.38	1.38	Peak
4.292	48.90	---	48.00	0.37	49.27	1.27	Peak
4.292	---	43.36	48.00	0.37	43.73	-4.27	QP
4.351	49.00	---	48.00	0.36	49.36	1.36	Peak
4.351	---	43.42	48.00	0.36	43.78	-4.22	QP
4.410	49.40	---	48.00	0.36	49.76	1.76	Peak
4.410	---	43.53	48.00	0.36	43.89	-4.11	QP
4.469	48.50	---	48.00	0.35	48.85	0.85	Peak
4.469	---	43.44	48.00	0.35	43.79	-4.21	QP

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)

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Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
4.528	50.51	---	48.00	0.34	50.85	2.85	Peak
4.528	---	43.63	48.00	0.34	43.97	-4.03	QP
4.617	50.40	---	48.00	0.34	50.74	2.74	Peak
4.617	---	43.55	48.00	0.34	43.89	-4.11	QP

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

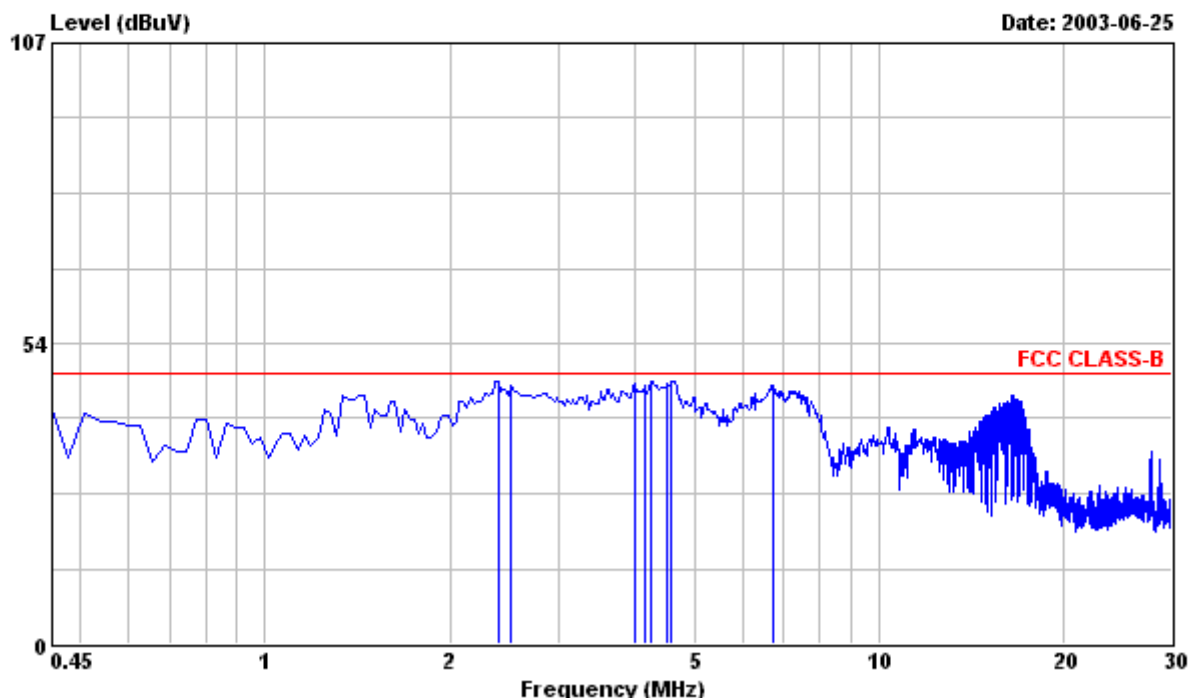


PHILIPS

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Data#: 6

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1920x1440/60Hz 90KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

2.400	46.30	---	48.00	0.40	46.70	-1.30	Peak
2.519	45.70	---	48.00	0.40	46.10	-1.90	Peak
3.996	46.00	---	48.00	0.40	46.40	-1.60	Peak
4.144	45.60	---	48.00	0.38	45.98	-2.02	Peak
4.262	46.30	---	48.00	0.37	46.67	-1.33	Peak
4.528	45.91	---	48.00	0.34	46.25	-1.75	Peak
4.587	46.50	---	48.00	0.34	46.84	-1.16	Peak
6.715	45.70	---	48.00	0.40	46.10	-1.90	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

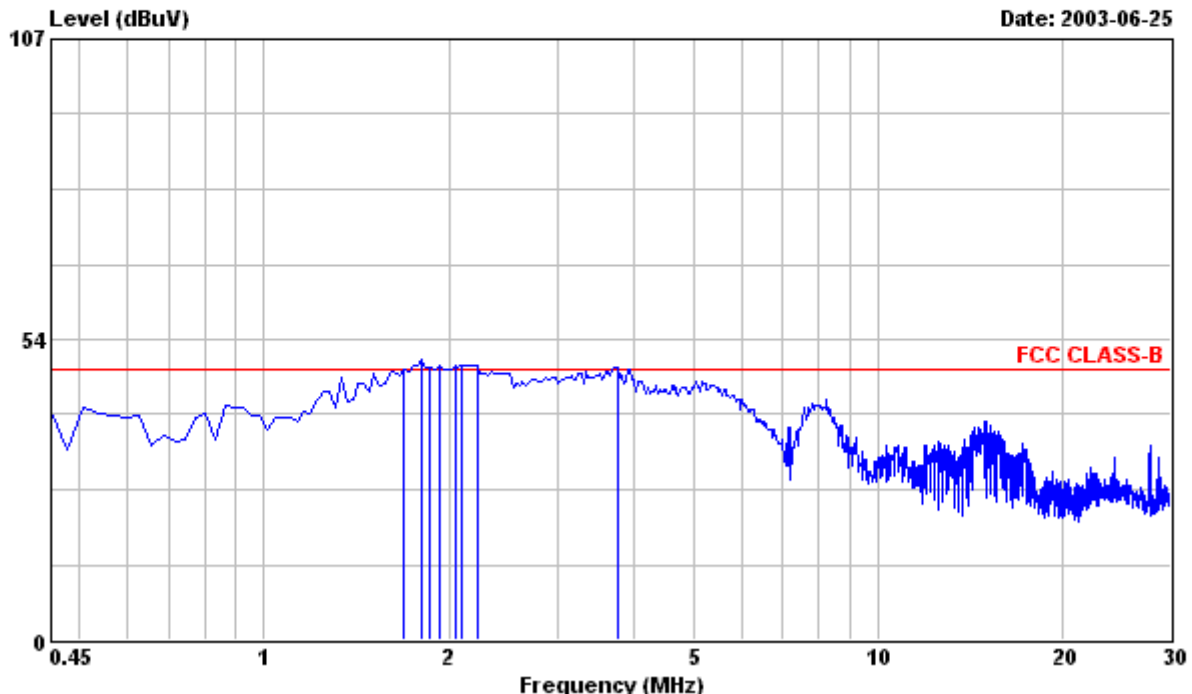


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Data#: 7

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L1 LINE
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1920x1440/60Hz 90KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

1.691	---	42.23	48.00	0.40	42.63	-5.37	QP
1.691	47.80	---	48.00	0.40	48.20	0.20	Peak
1.809	---	44.66	48.00	0.40	45.06	-2.94	QP
1.809	49.40	---	48.00	0.40	49.80	1.80	Peak
1.868	---	43.17	48.00	0.40	43.57	-4.43	QP
1.868	48.20	---	48.00	0.40	48.60	0.60	Peak
1.928	48.40	---	48.00	0.40	48.80	0.80	Peak
1.928	---	43.32	48.00	0.40	43.72	-4.28	QP
2.046	48.50	---	48.00	0.40	48.90	0.90	Peak
2.046	---	43.18	48.00	0.40	43.58	-4.42	QP
2.105	48.50	---	48.00	0.40	48.90	0.90	Peak
2.105	---	43.18	48.00	0.40	43.58	-4.42	QP

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



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Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
LINE							
2.223	48.60	---	48.00	0.40	49.00	1.00	Peak
2.223	---	44.15	48.00	0.40	44.55	-3.45	QP
3.760	48.00	---	48.00	0.40	48.40	0.40	Peak
3.760	---	42.49	48.00	0.40	42.89	-5.11	QP

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

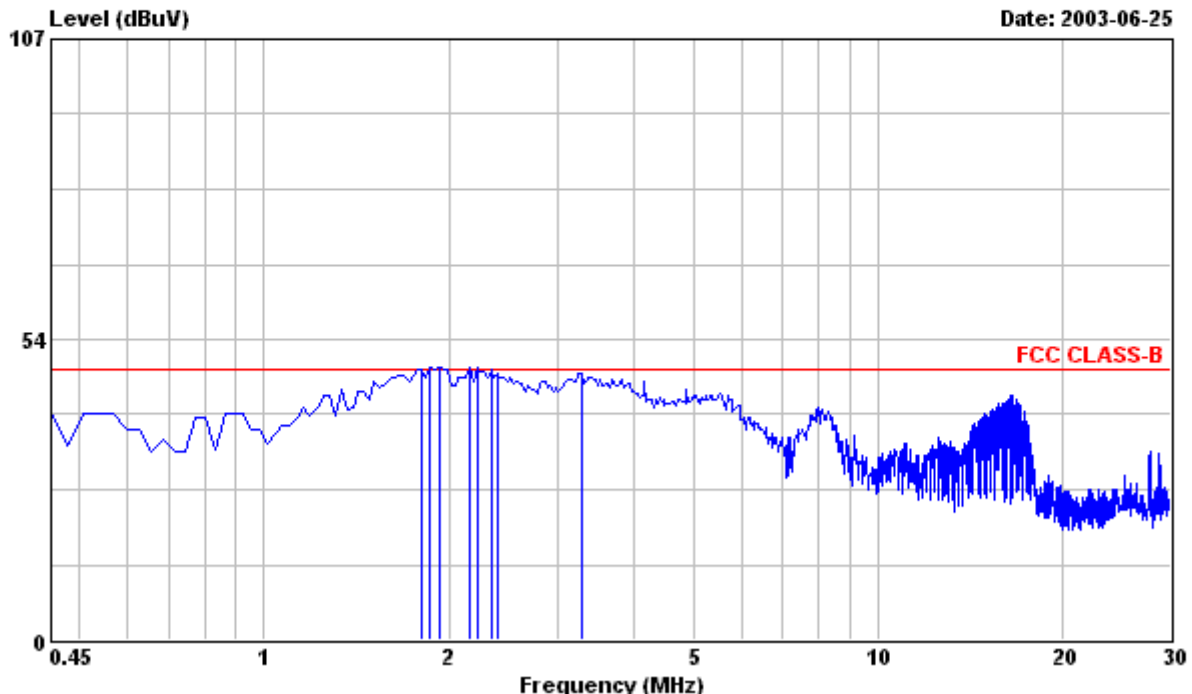


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Data#: 8

File#: C:\Program Files\em3\EMI03-028-C(109B50 SDI).emi



Site : PHILIPS EMI Shielding Room
Condition : FCC CLASS-B FCC_LCI_L2 NEUTRAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 220VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 14 ARIAL "H" PATTERN.
: 3. 1920x1440/60Hz 90KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

1.809	---	42.96	48.00	0.40	43.36	-4.64	QP
1.809	47.90	---	48.00	0.40	48.30	0.30	Peak
1.868	---	43.06	48.00	0.40	43.46	-4.54	QP
1.868	48.00	---	48.00	0.40	48.40	0.40	Peak
1.928	48.10	---	48.00	0.40	48.50	0.50	Peak
1.928	---	43.22	48.00	0.40	43.62	-4.38	QP
2.164	48.10	---	48.00	0.40	48.50	0.50	Peak
2.164	---	43.22	48.00	0.40	43.62	-4.38	QP
2.223	---	43.14	48.00	0.40	43.54	-4.46	QP
2.223	48.00	---	48.00	0.40	48.40	0.40	Peak
2.341	---	42.69	48.00	0.40	43.09	-4.91	QP
2.341	47.90	---	48.00	0.40	48.30	0.30	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



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Frequency	Peak Reading	QP Reading	Limit	Factor	Emission Level	Over Limit	Remark
NEUTRAL							
2.400	46.90	---	48.00	0.40	47.30	-0.70	Peak
3.287	47.00	---	48.00	0.40	47.40	-0.60	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

Radiated Emissions FCC Part 15																				
Operating conditions EUT: EUT powered on with scrolling “H” pattern.																				
Limits: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Frequency range (MHz)</th> <th style="width: 33%;">Class A at 10m (dBuv) QP</th> <th style="width: 33%;">Class B at 3m (dBuv) QP</th> </tr> </thead> <tbody> <tr> <td>30.0 – 88.0</td> <td>39.0</td> <td>40.0</td> </tr> <tr> <td>88.0 – 216.0</td> <td>43.5</td> <td>43.5</td> </tr> <tr> <td>216.0 – 960.0</td> <td>46.5</td> <td>46.0</td> </tr> <tr> <td>960.0 – 1000.0</td> <td>49.5</td> <td>54.0</td> </tr> <tr> <td>Above 1000.0</td> <td>49.5</td> <td>54.0 Average</td> </tr> </tbody> </table>			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
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	: 25 Jun., 2003 to 26 Jun., 2003 : C.C.Wu																			
For detail measurement results see next pages.																				

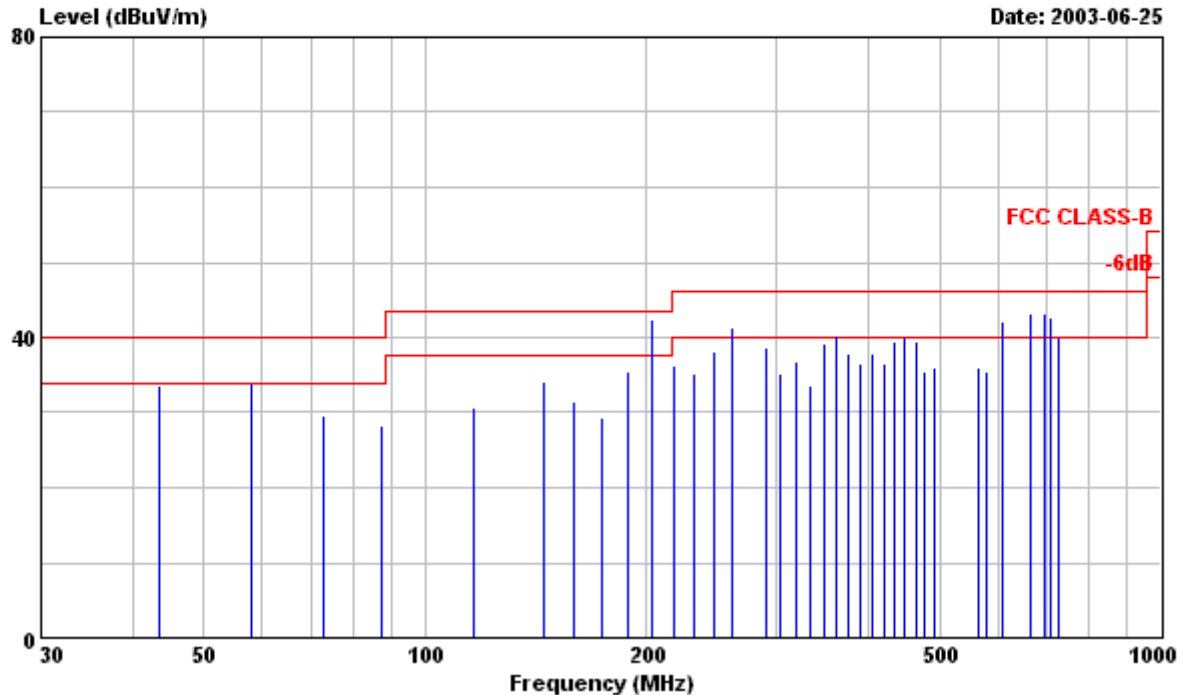


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Data#: 1

File#: C:\Program Files\em3\EMI03-028-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 16 ARIAL "H" PATTERN.
: 3. 1600x1200/75Hz 93.8KHz MODE WITH
: COMPAQ ENC/P866/20E/8/128A TAI PC,ATI
: RADEON VE DDR VIDEO CAR WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
43.500	21.80	---	40.00	11.68	33.48	-6.52	Peak
57.980	23.90	---	40.00	10.07	33.97	-6.03	Peak
72.500	19.60	---	40.00	10.11	29.71	-10.29	Peak
86.980	17.50	---	40.00	10.76	28.26	-11.74	Peak
115.980	18.40	---	43.50	12.21	30.61	-12.89	Peak
145.000	20.90	---	43.50	13.24	34.14	-9.36	Peak
159.480	17.80	---	43.50	13.68	31.48	-12.02	Peak
173.970	15.20	---	43.50	14.07	29.27	-14.23	Peak
188.470	20.30	---	43.50	15.22	35.52	-7.98	Peak
! 202.970	25.80	---	43.50	16.56	42.36	-1.14	Peak

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



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
HORIZONTAL							
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
! 202.970	---	24.20	43.50	16.56	40.76	-2.74	QP
217.470	18.29	---	46.00	17.88	36.17	-9.83	Peak
231.970	16.20	---	46.00	19.06	35.26	-10.74	Peak
246.470	17.90	---	46.00	20.24	38.14	-7.86	Peak
! 260.950	20.10	---	46.00	21.12	41.22	-4.78	Peak
260.950	---	18.13	46.00	21.12	39.25	-6.75	QP
289.950	15.90	---	46.00	22.68	38.58	-7.42	Peak
304.450	18.70	---	46.00	16.57	35.27	-10.73	Peak
318.930	19.90	---	46.00	16.88	36.78	-9.22	Peak
333.430	16.30	---	46.00	17.18	33.48	-12.52	Peak
347.930	21.70	---	46.00	17.46	39.16	-6.84	Peak
362.430	---	21.00	46.00	17.74	38.74	-7.26	QP
! 362.430	22.40	---	46.00	17.74	40.14	-5.86	Peak
376.930	19.80	---	46.00	18.00	37.80	-8.20	Peak
391.430	18.20	---	46.00	18.26	36.46	-9.54	Peak
405.920	19.40	---	46.00	18.48	37.88	-8.12	Peak
420.390	17.80	---	46.00	18.69	36.49	-9.51	Peak
434.900	20.70	---	46.00	18.90	39.60	-6.40	Peak
449.400	---	19.85	46.00	19.08	38.93	-7.07	QP
! 449.400	21.00	---	46.00	19.08	40.08	-5.92	Peak
463.900	20.20	---	46.00	19.27	39.47	-6.53	Peak
478.400	16.10	---	46.00	19.45	35.55	-10.45	Peak
492.900	16.40	---	46.00	19.62	36.02	-9.98	Peak
565.390	15.30	---	46.00	20.71	36.01	-9.99	Peak
579.890	14.60	---	46.00	20.94	35.54	-10.46	Peak
! 608.870	---	19.08	46.00	21.46	40.54	-5.46	QP
! 608.870	20.60	---	46.00	21.46	42.06	-3.94	Peak
! 666.850	20.30	---	46.00	22.77	43.07	-2.93	Peak
! 666.850	---	17.87	46.00	22.77	40.64	-5.36	QP
! 695.850	19.70	---	46.00	23.45	43.15	-2.85	Peak
! 695.850	---	18.00	46.00	23.45	41.45	-4.55	QP
! 710.350	19.40	---	46.00	23.64	43.04	-2.96	Peak
! 710.350	---	17.43	46.00	23.64	41.07	-4.93	QP
! 724.850	16.20	---	46.00	23.84	40.04	-5.96	Peak

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

Tested by : C C.Wu

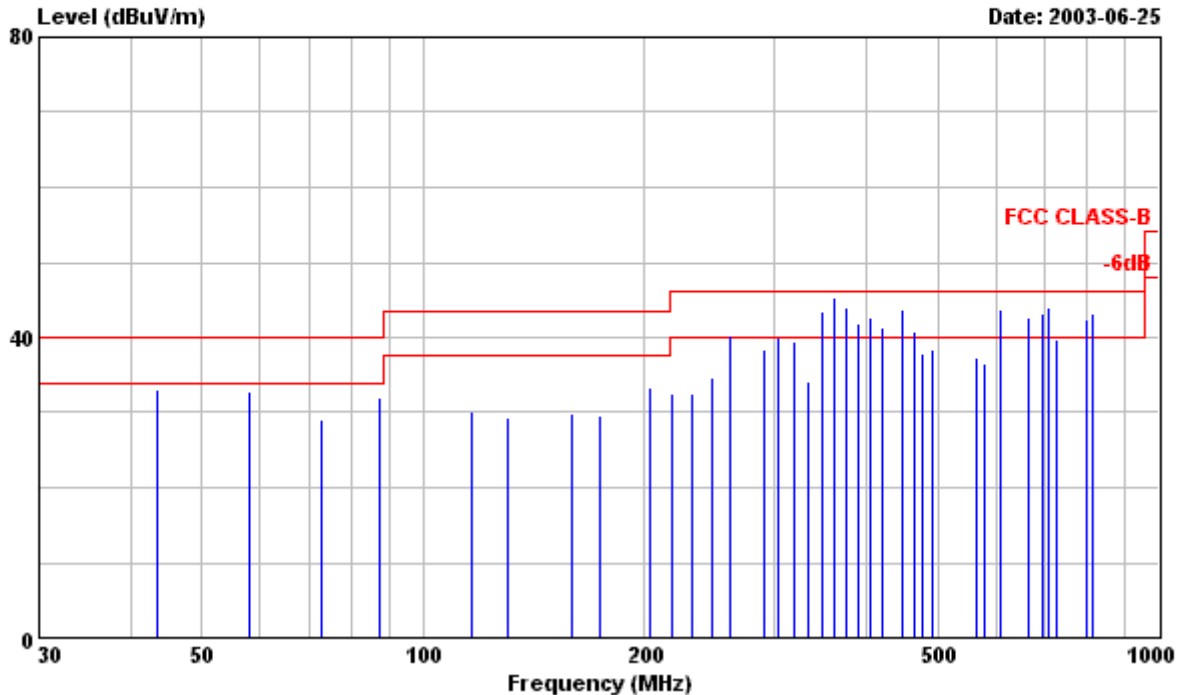


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Data#: 2

File#: C:\Program Files\em3\EMI03-028-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 16 ARIAL "H" PATTERN.
: 3. 1600x1200/75Hz 93.8KHz MODE WITH
: COMPAQ ENC/P866/20E/8/128A TAI PC,ATI
: RADEON VE DDR VIDEO CAR WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
43.500	21.30	---	40.00	11.68	32.98	-7.02	Peak
57.980	22.80	---	40.00	10.07	32.87	-7.13	Peak
72.500	18.90	---	40.00	10.11	29.01	-10.99	Peak
86.980	21.30	---	40.00	10.76	32.06	-7.94	Peak
115.980	17.90	---	43.50	12.21	30.11	-13.39	Peak
130.480	16.70	---	43.50	12.71	29.41	-14.09	Peak
159.480	16.20	---	43.50	13.68	29.88	-13.62	Peak
173.970	15.60	---	43.50	14.07	29.67	-13.83	Peak
202.970	16.70	---	43.50	16.56	33.26	-10.24	Peak
217.470	14.70	---	46.00	17.88	32.58	-13.42	Peak

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



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	VERTICAL dBuV/m	dBuV/m	
231.970	13.60	---	46.00	19.06	32.66	-13.34	Peak
246.470	14.40	---	46.00	20.24	34.64	-11.36	Peak
! 260.950	19.20	---	46.00	21.12	40.32	-5.68	Peak
260.950	---	17.45	46.00	21.12	38.57	-7.43	QP
289.950	15.60	---	46.00	22.68	38.28	-7.72	Peak
304.450	23.40	---	46.00	16.57	39.97	-6.03	Peak
318.930	22.70	---	46.00	16.88	39.58	-6.42	Peak
333.430	17.30	---	46.00	17.18	34.48	-11.52	Peak
! 347.930	---	24.74	46.00	17.46	42.20	-3.80	QP
! 347.930	26.10	---	46.00	17.46	43.56	-2.44	Peak
! 362.430	---	26.28	46.00	17.74	44.02	-1.98	QP
! 362.430	27.70	---	46.00	17.74	45.44	-0.56	Peak
! 376.930	25.90	---	46.00	18.00	43.90	-2.10	Peak
! 376.930	---	24.07	46.00	18.00	42.07	-3.93	QP
! 391.430	23.50	---	46.00	18.26	41.76	-4.24	Peak
391.430	---	21.53	46.00	18.26	39.79	-6.21	QP
! 405.920	24.10	---	46.00	18.48	42.58	-3.42	Peak
! 405.920	---	22.19	46.00	18.48	40.67	-5.33	QP
420.390	---	20.85	46.00	18.69	39.54	-6.46	QP
! 420.390	22.70	---	46.00	18.69	41.39	-4.61	Peak
! 449.400	24.60	---	46.00	19.08	43.68	-2.32	Peak
! 449.400	---	22.78	46.00	19.08	41.86	-4.14	QP
! 463.900	21.50	---	46.00	19.27	40.77	-5.23	Peak
463.900	---	20.38	46.00	19.27	39.65	-6.35	QP
478.400	18.30	---	46.00	19.45	37.75	-8.25	Peak
492.900	18.70	---	46.00	19.62	38.32	-7.68	Peak
565.390	16.60	---	46.00	20.71	37.31	-8.69	Peak
579.890	15.70	---	46.00	20.94	36.64	-9.36	Peak
! 608.870	---	20.30	46.00	21.46	41.76	-4.24	QP
! 608.870	22.30	---	46.00	21.46	43.76	-2.24	Peak
! 666.850	19.80	---	46.00	22.77	42.57	-3.43	Peak
! 666.850	---	17.50	46.00	22.77	40.27	-5.73	QP
! 695.850	19.70	---	46.00	23.45	43.15	-2.85	Peak
! 695.850	---	17.84	46.00	23.45	41.29	-4.71	QP
! 710.350	---	18.19	46.00	23.64	41.83	-4.17	QP
! 710.350	20.30	---	46.00	23.64	43.94	-2.06	Peak
724.850	15.80	---	46.00	23.84	39.64	-6.36	Peak
797.340	---	14.83	46.00	24.77	39.60	-6.40	QP
! 797.340	17.60	---	46.00	24.77	42.37	-3.63	Peak
! 811.830	18.30	---	46.00	25.02	43.32	-2.68	Peak
! 811.830	---	16.38	46.00	25.02	41.40	-4.60	QP

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

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

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

Tested by : C C.Wu

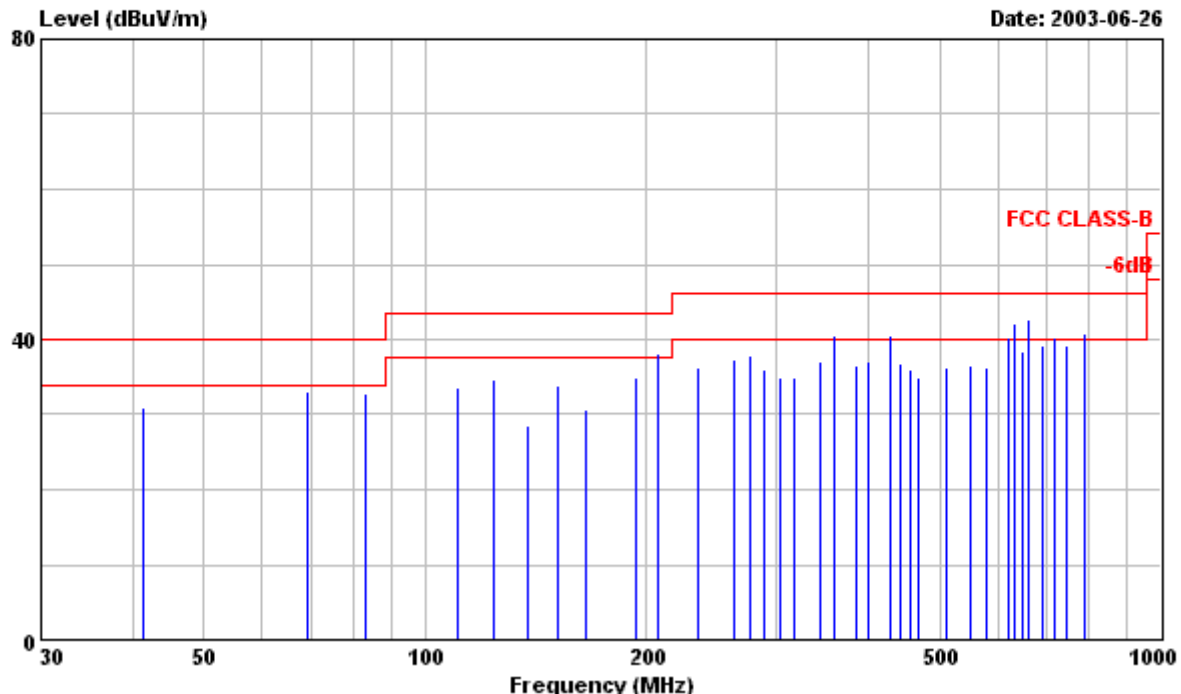


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Data#: 3

File#: C:\Program Files\em3\EMI03-028-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 18 ARIAL "H" PATTERN.
: 3. 1920x1440/60Hz 90KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
41.370	19.00	---	40.00	11.92	30.92	-9.08	Peak
68.970	23.10	---	40.00	9.99	33.09	-6.91	Peak
82.760	22.30	---	40.00	10.54	32.84	-7.16	Peak
110.340	21.70	---	43.50	11.93	33.63	-9.87	Peak
124.120	22.10	---	43.50	12.48	34.58	-8.92	Peak
137.910	15.60	---	43.50	12.99	28.59	-14.91	Peak
151.720	20.50	---	43.50	13.46	33.96	-9.54	Peak
165.510	16.80	---	43.50	13.85	30.65	-12.85	Peak
193.080	19.40	---	43.50	15.67	35.07	-8.43	Peak
! 206.870	21.10	---	43.50	16.96	38.06	-5.44	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

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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
HORIZONTAL							
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
206.870	---	19.94	43.50	16.96	36.90	-6.60	QP
234.460	17.10	---	46.00	19.25	36.35	-9.65	Peak
262.060	16.10	---	46.00	21.17	37.27	-8.73	Peak
275.850	15.80	---	46.00	21.95	37.75	-8.25	Peak
289.640	13.20	---	46.00	22.68	35.88	-10.12	Peak
303.420	18.50	---	46.00	16.55	35.05	-10.95	Peak
317.210	18.10	---	46.00	16.85	34.95	-11.05	Peak
344.790	19.80	---	46.00	17.39	37.19	-8.81	Peak
358.590	---	21.07	46.00	17.67	38.74	-7.26	QP
! 358.590	22.90	---	46.00	17.67	40.57	-5.43	Peak
386.170	18.30	---	46.00	18.17	36.47	-9.53	Peak
399.980	18.70	---	46.00	18.40	37.10	-8.90	Peak
! 427.540	21.80	---	46.00	18.79	40.59	-5.41	Peak
427.540	---	20.03	46.00	18.79	38.82	-7.18	QP
441.330	17.70	---	46.00	18.98	36.68	-9.32	Peak
455.120	16.80	---	46.00	19.16	35.96	-10.04	Peak
468.910	15.70	---	46.00	19.33	35.03	-10.97	Peak
510.310	16.40	---	46.00	19.87	36.27	-9.73	Peak
551.680	16.10	---	46.00	20.51	36.61	-9.39	Peak
579.250	15.40	---	46.00	20.91	36.31	-9.69	Peak
620.620	---	16.28	46.00	21.72	38.00	-8.00	QP
! 620.620	18.50	---	46.00	21.72	40.22	-5.78	Peak
634.410	---	17.26	46.00	22.04	39.30	-6.70	QP
! 634.410	20.00	---	46.00	22.04	42.04	-3.96	Peak
648.210	16.10	---	46.00	22.35	38.45	-7.55	Peak
! 662.000	20.30	---	46.00	22.66	42.96	-3.04	Peak
! 662.000	---	17.52	46.00	22.66	40.18	-5.82	QP
689.580	15.90	---	46.00	23.29	39.19	-6.81	Peak
! 717.170	16.60	---	46.00	23.74	40.34	-5.66	Peak
717.170	---	14.31	46.00	23.74	38.05	-7.95	QP
744.750	15.10	---	46.00	24.12	39.22	-6.78	Peak
! 786.120	16.20	---	46.00	24.63	40.83	-5.17	Peak
786.120	---	12.82	46.00	24.63	37.45	-8.55	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

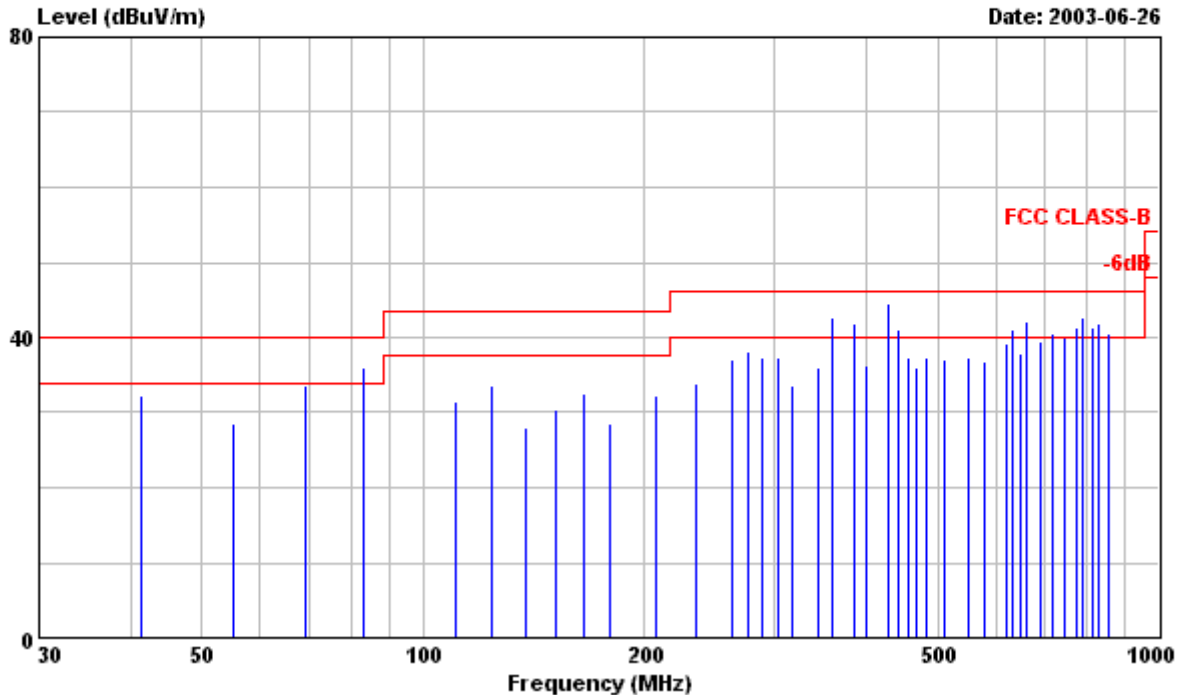


PHILIPS

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Data#: 4

File#: C:\Program Files\em3\EMI03-028-R.emi



Site : PHILIPS EMI 3M open site
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL
EUT : PHILIPS 109B50 Serial No:TY0304232
Power : 120-240VAC
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.
: 2. 2ND MODEL SAMSUNG TUBE,RUN IBM
: V1.8 FONT 18 ARIAL "H" PATTERN.
: 3. 1920x1440/60Hz 90KHz MODE WITH COMPAQ
: ENC/P866/2OE/8/128A TAI PC,ATI RADEON
: VE DDR VIDEO CAR WAS TESTED.

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

MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
41.370	20.30	---	40.00	11.92	32.22	-7.78	Peak
55.160	18.30	---	40.00	10.32	28.62	-11.38	Peak
68.970	23.70	---	40.00	9.99	33.69	-6.31	Peak
! 82.760	25.50	---	40.00	10.54	36.04	-3.96	Peak
! 82.760	---	23.88	40.00	10.54	34.42	-5.58	QP
110.340	19.50	---	43.50	11.93	31.43	-12.07	Peak
124.120	21.20	---	43.50	12.48	33.68	-9.82	Peak
137.910	15.00	---	43.50	12.99	27.99	-15.51	Peak
151.720	16.90	---	43.50	13.46	30.36	-13.14	Peak
165.510	18.70	---	43.50	13.85	32.55	-10.95	Peak

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



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Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit	Remark
MHz	dBuV	dBuV	dBuV/m	dB/m	VERTICAL dBuV/m	dBuV/m	
179.280	14.30	---	43.50	14.36	28.66	-14.84	Peak
206.870	15.20	---	43.50	16.96	32.16	-11.34	Peak
234.460	14.70	---	46.00	19.25	33.95	-12.05	Peak
262.060	15.80	---	46.00	21.17	36.97	-9.03	Peak
275.850	16.20	---	46.00	21.95	38.15	-7.85	Peak
289.640	14.60	---	46.00	22.68	37.28	-8.72	Peak
303.420	20.80	---	46.00	16.55	37.35	-8.65	Peak
317.210	16.70	---	46.00	16.85	33.55	-12.45	Peak
344.780	18.70	---	46.00	17.39	36.09	-9.91	Peak
! 358.590	---	23.62	46.00	17.67	41.29	-4.71	QP
! 358.590	25.30	---	46.00	17.67	42.97	-3.03	Peak
! 386.170	23.70	---	46.00	18.17	41.87	-4.13	Peak
386.170	---	21.75	46.00	18.17	39.92	-6.08	QP
399.980	17.90	---	46.00	18.40	36.30	-9.70	Peak
! 427.540	25.70	---	46.00	18.79	44.49	-1.51	Peak
! 427.540	---	24.44	46.00	18.79	43.23	-2.77	QP
! 441.330	22.10	---	46.00	18.98	41.08	-4.92	Peak
455.120	18.10	---	46.00	19.16	37.26	-8.74	Peak
468.910	16.80	---	46.00	19.33	36.13	-9.87	Peak
482.720	17.90	---	46.00	19.49	37.39	-8.61	Peak
510.310	17.20	---	46.00	19.87	37.07	-8.93	Peak
551.680	16.70	---	46.00	20.51	37.21	-8.79	Peak
579.250	15.80	---	46.00	20.91	36.71	-9.29	Peak
620.620	17.60	---	46.00	21.72	39.32	-6.68	Peak
634.410	---	16.05	46.00	22.04	38.09	-7.91	QP
! 634.410	18.90	---	46.00	22.04	40.94	-5.06	Peak
648.210	15.60	---	46.00	22.35	37.95	-8.05	Peak
662.000	---	16.83	46.00	22.66	39.49	-6.51	QP
! 662.000	19.40	---	46.00	22.66	42.06	-3.94	Peak
689.580	16.30	---	46.00	23.29	39.59	-6.41	Peak
717.170	---	14.67	46.00	23.74	38.41	-7.59	QP
! 717.170	16.90	---	46.00	23.74	40.64	-5.36	Peak
744.750	15.80	---	46.00	24.12	39.92	-6.08	Peak
! 772.330	16.90	---	46.00	24.46	41.36	-4.64	Peak
772.330	---	13.07	46.00	24.46	37.53	-8.47	QP
786.120	---	15.24	46.00	24.63	39.87	-6.13	QP
! 786.120	18.30	---	46.00	24.63	42.93	-3.07	Peak
! 813.700	16.20	---	46.00	25.02	41.22	-4.78	Peak
813.700	---	12.07	46.00	25.02	37.09	-8.91	QP
827.490	---	12.85	46.00	25.24	38.09	-7.91	QP
! 827.490	16.70	---	46.00	25.24	41.94	-4.06	Peak
! 855.070	14.90	---	46.00	25.64	40.54	-5.46	Peak
855.070	---	10.96	46.00	25.64	36.60	-9.40	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)