



# 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.: TYR87-2011 Date : 22 May, 2002 Page : 1 of 48
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. : A3KM110 Model Name : 200P3 Serial Number : TY0205219 Description : 20" UXGA LCD color monitor, Max. resolution 1600x1200/75Hz		
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 : 24 Apr. 2002		
Date of performance of test : 26 Apr., 2002 to 27 Apr., 2002		
 C.C. Wu - EMC Test Engineer	 Ronnie Yang - EMC Manager NVLAP Signatory	

Philips Electronics Industries (Taiwan) Ltd

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## 1. Summary of test results

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

Remark:

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

## 2. General Information of EUT

The EUT, 20" color monitor :

Model No. : 200P3  
 FCC ID : A3KM110  
 Brand : Philips

The color monitor automatically scans horizontal frequencies between 30KHz and 94KHz , and vertical frequencies between 56Hz and 85Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1600x1200 pixels.

The monitor has 19 factory-preset modes as indicated in the following table:

Item	H.Freq. (KHz)	Mode	Resolution	V.Freq. (Hz)
1	31.469	IBM VGA 10H	640x350	70.086
2	31.469	IBM VGA 3H	720x400	70.087
3	31.469	IBM VGA 12H	640x480	59.940
4	35.000	MACINTOSH	640x480	67.000
5	37.500	VESA	640x480	75.000
6	35.156	VESA	800x600	56.250
7	37.879	VESA	800x600	60.317
8	46.875	VESA	800x600	75.000
9	49.700	MACINTOSH	832x624	75.000
10	48.363	VESA	1024x768	60.004
11	60.023	VESA	1024x768	75.029
12	68.700	MACINTOSH	1152x870	75.000
13	71.810	SUN WS	1152x900	76.150
14	63.981	VESA	1280x1024	60.020
15	79.976	VESA	1280x1024	75.025
16	91.1	VESA	1280x1024	85
17	75.0	VESA	1600x1200	60
18	93.8	VESA	1600x1200	75
19	31.250	TV-PAL	688x556	50.

### 3. Test Equipment

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

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

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

- For Conducted Emissions Test:

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

- For Radiated Emissions Test:

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

#### 4. Test Configuration of EUT and Peripherals

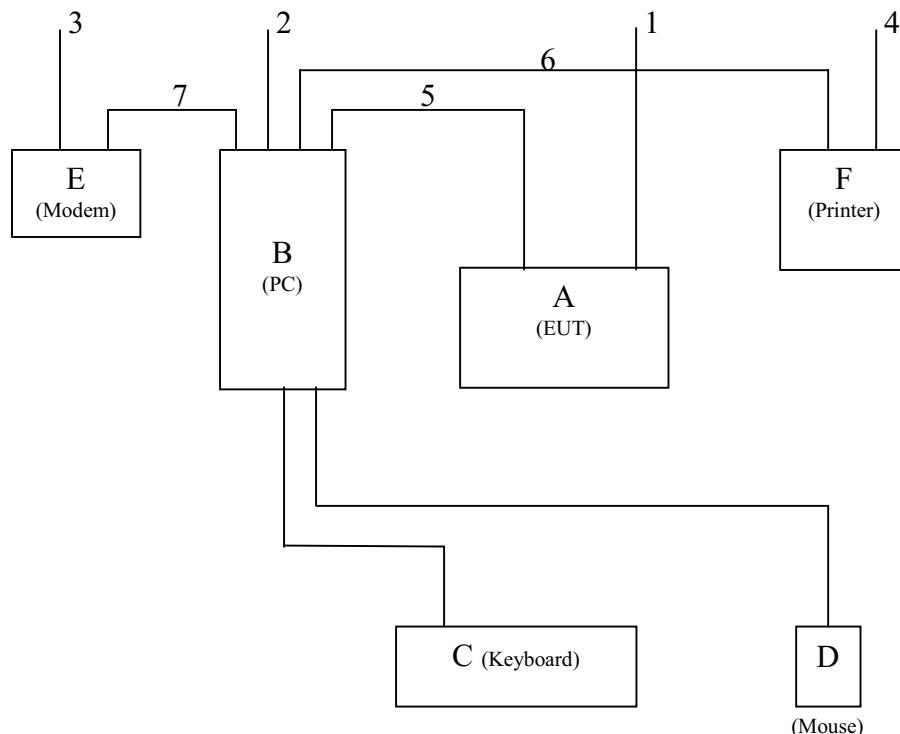
The system was configured for testing in a typical fashion ( as a customer would normally use it ) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT “200P3” were connected to:

	Description	Brand/ Model No.	Serial No.	FCC ID	Remark
A	Monitor	Philips 200P3	TY0205219	A3KM110	EUT
B	PC	Compaq ENC P866	5K15FXHZ2013	FCC Logo	
C	Keyboard	Compaq KB-9963	B26950GGALP13Q	FCC Logo	
D	Mouse	Compaq M-S48a		JNZ201213	
E	Modem	USRobotics 268	2680559278575	CJE-0318	
F	Printer	HP 2225C	3145S02419	DSI6XU2225	

#### Connected Cables

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

#### System Block Diagram of Test Configuration



## 5. Test Procedure

Test was performed by:

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

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

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

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

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

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

Unshielded power cord was used during test.

D-sub I/F cable with two ferrite cores was used.  
DVI I/F cable with two ferrite cores was used.  
Audio cable with one ferrite core was used.

Tested and reported modes as following:

Test Item	File No.	Resolution	Frequencies	I/F Cable
Conducted	<a href="#">EMI02-019-C</a>	1600x1200	93.7KHz/75Hz	D-sub
		1600x1200	75KHz/60Hz	DVI
		1280x1024	91.1KHz/85Hz	D-sub & DVI
Radiated	<a href="#">EMI02-019-R</a>	1600x1200	93.7KHz/75Hz	D-sub
		1600x1200	75KHz/60Hz	DVI
		1280x1024	91.1KHz/85Hz	D-sub & DVI

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	: 26 Apr., 2002 to 27 Apr., 2002
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Test Engineer	: C.C.Wu
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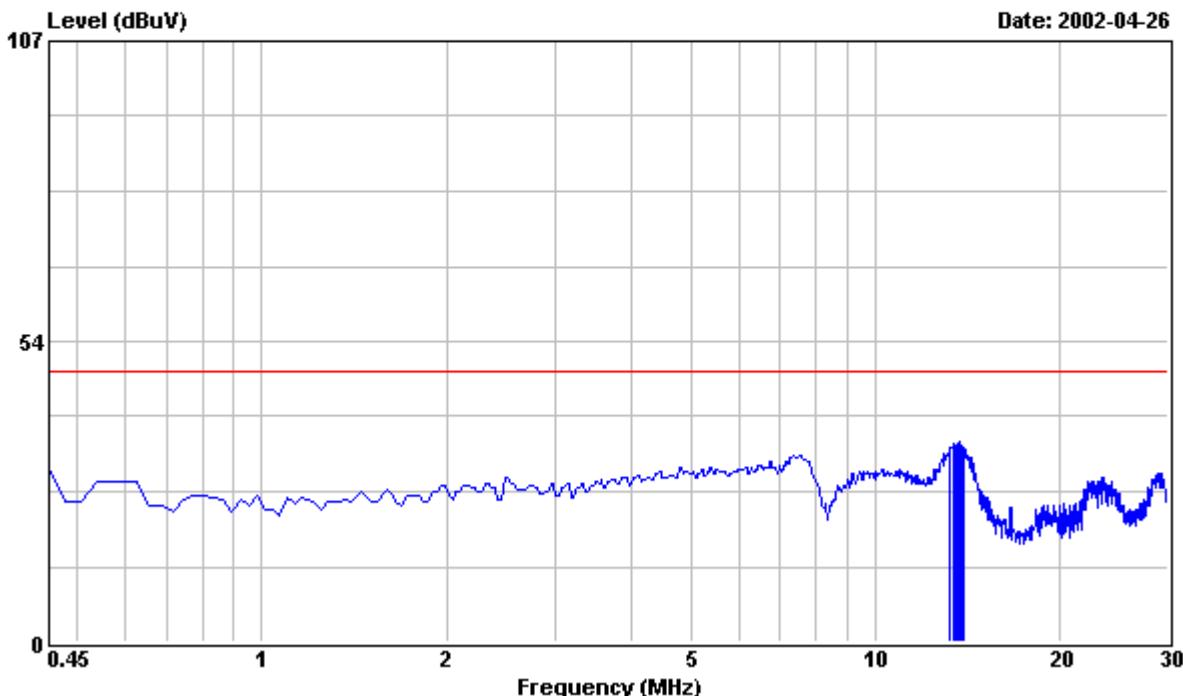
For detail measurement results see next pages.
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Data#: 1 File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/75Hz 93.7KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
13.216	33.80	48.00	0.67	34.47	-13.53	
13.452	34.50	48.00	0.67	35.17	-12.83	
13.570	34.30	48.00	0.68	34.98	-13.02	
13.629	34.50	48.00	0.68	35.18	-12.82	
13.688	35.10	48.00	0.68	35.78	-12.22	
13.748	34.90	48.00	0.68	35.58	-12.42	
13.866	34.10	48.00	0.68	34.78	-13.22	
13.925	33.80	48.00	0.68	34.48	-13.52	

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

Tested by : C.C.Wu

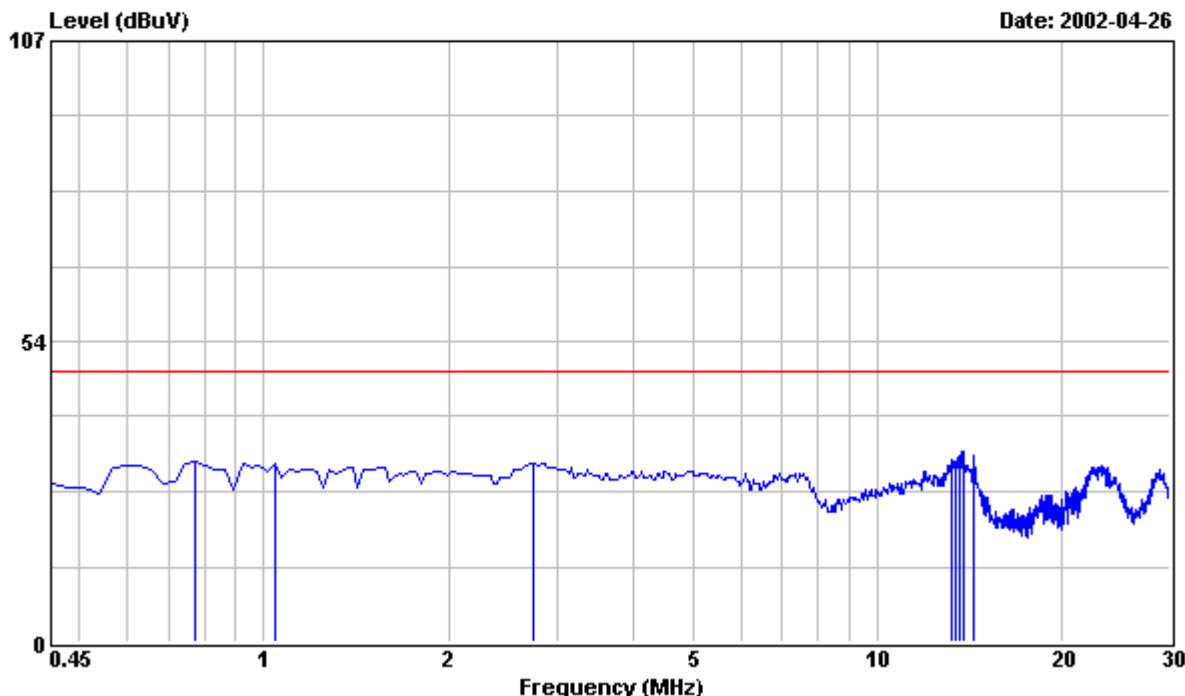


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Data#: 2

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/75Hz 93.7KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Lavel dBuV	Over Limit dBuV	※ NEUTRAL
0.775	31.60	48.00	0.34	31.94	-16.06	
1.041	31.40	48.00	0.40	31.80	-16.20	
2.755	31.50	48.00	0.40	31.90	-16.10	
13.216	31.80	48.00	0.67	32.47	-15.53	
13.393	31.40	48.00	0.67	32.07	-15.93	
13.629	32.40	48.00	0.68	33.08	-14.92	
13.807	33.10	48.00	0.68	33.78	-14.22	
14.398	32.50	48.00	0.69	33.19	-14.81	

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

Tested by : C.C.Wu

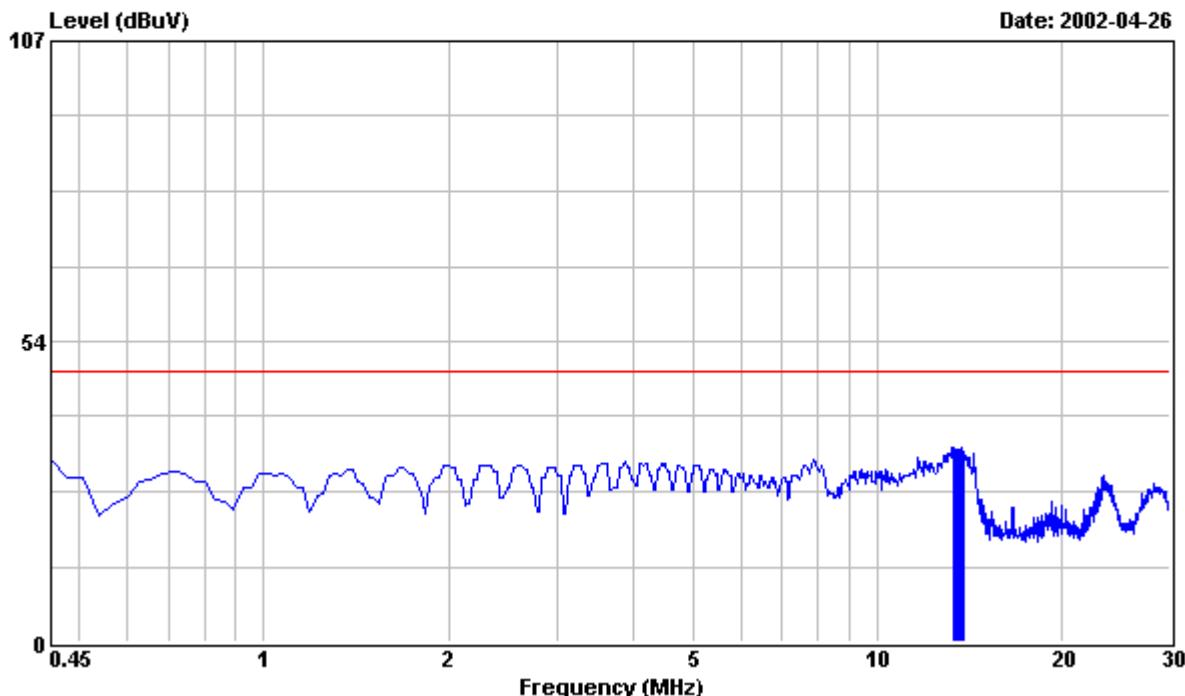


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Data#: 3

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/75Hz 93.7KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
13.334	34.10	48.00	0.67	34.77	-13.23	
13.393	33.60	48.00	0.67	34.27	-13.73	
13.452	33.70	48.00	0.67	34.37	-13.63	
13.511	33.40	48.00	0.67	34.07	-13.93	
13.629	33.60	48.00	0.68	34.28	-13.72	
13.688	33.60	48.00	0.68	34.28	-13.72	
13.748	33.90	48.00	0.68	34.58	-13.42	
13.807	33.30	48.00	0.68	33.98	-14.02	

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

Tested by : C.C.Wu

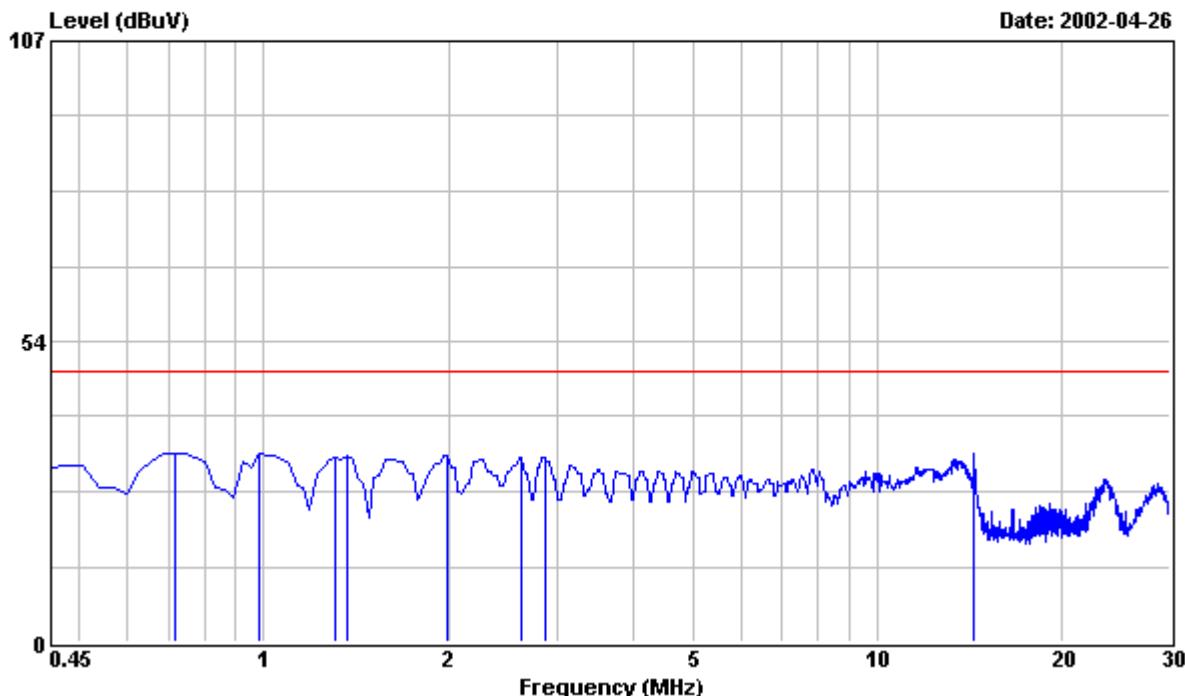


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Data#: 4

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/75Hz 93.7KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ NEUTRAL
0.716	33.30	48.00	0.32	33.62	-14.38	
0.982	33.00	48.00	0.40	33.40	-14.60	
1.307	32.30	48.00	0.40	32.70	-15.30	
1.366	32.60	48.00	0.40	33.00	-15.00	
1.987	32.60	48.00	0.40	33.00	-15.00	
2.637	32.40	48.00	0.40	32.80	-15.20	
2.873	32.50	48.00	0.40	32.90	-15.10	
14.398	32.90	48.00	0.69	33.59	-14.41	

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

Tested by : C.C.Wu

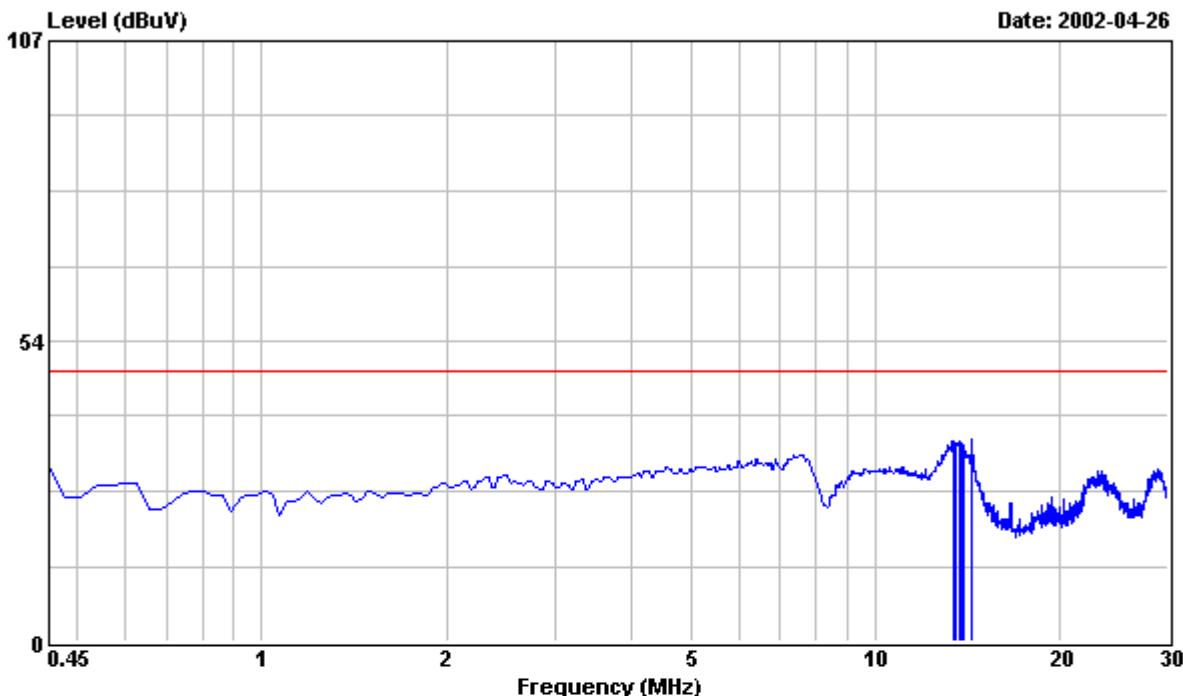


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Site : PHILIPS EMI Shielding Room  
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 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
13.393	35.10	48.00	0.67	35.77	-12.23	
13.452	35.00	48.00	0.67	35.67	-12.33	
13.570	34.70	48.00	0.68	35.38	-12.62	
13.688	35.00	48.00	0.68	35.68	-12.32	
13.748	34.60	48.00	0.68	35.28	-12.72	
13.807	34.60	48.00	0.68	35.28	-12.72	
13.925	34.40	48.00	0.68	35.08	-12.92	
14.398	35.30	48.00	0.69	35.99	-12.01	

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

Tested by : C.C.Wu

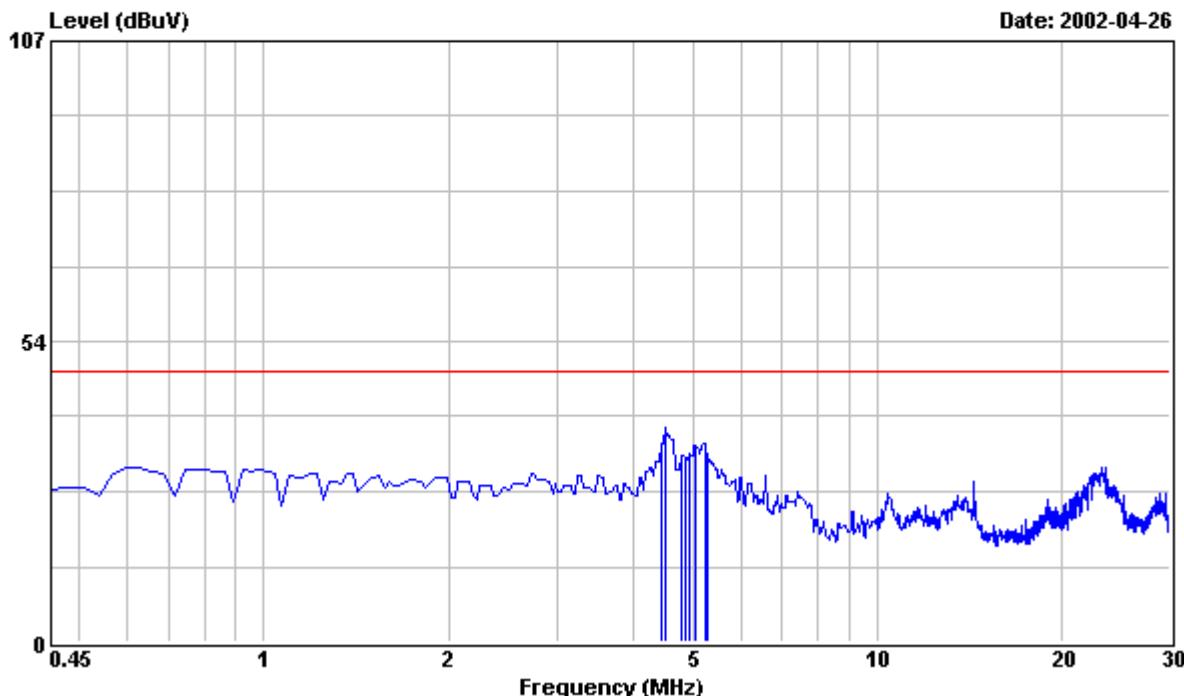


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Data#: 6

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ NEUTRAL
4.439	35.00	48.00	0.35	35.35	-12.65	
4.528	37.91	48.00	0.34	38.25	-9.75	
4.794	32.80	48.00	0.32	33.12	-14.88	
4.883	32.50	48.00	0.31	32.81	-15.19	
4.942	33.21	48.00	0.30	33.51	-14.49	
5.060	34.70	48.00	0.31	35.01	-12.99	
5.237	35.09	48.00	0.33	35.42	-12.58	
5.296	33.20	48.00	0.33	33.53	-14.47	

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

Tested by : C.C.Wu

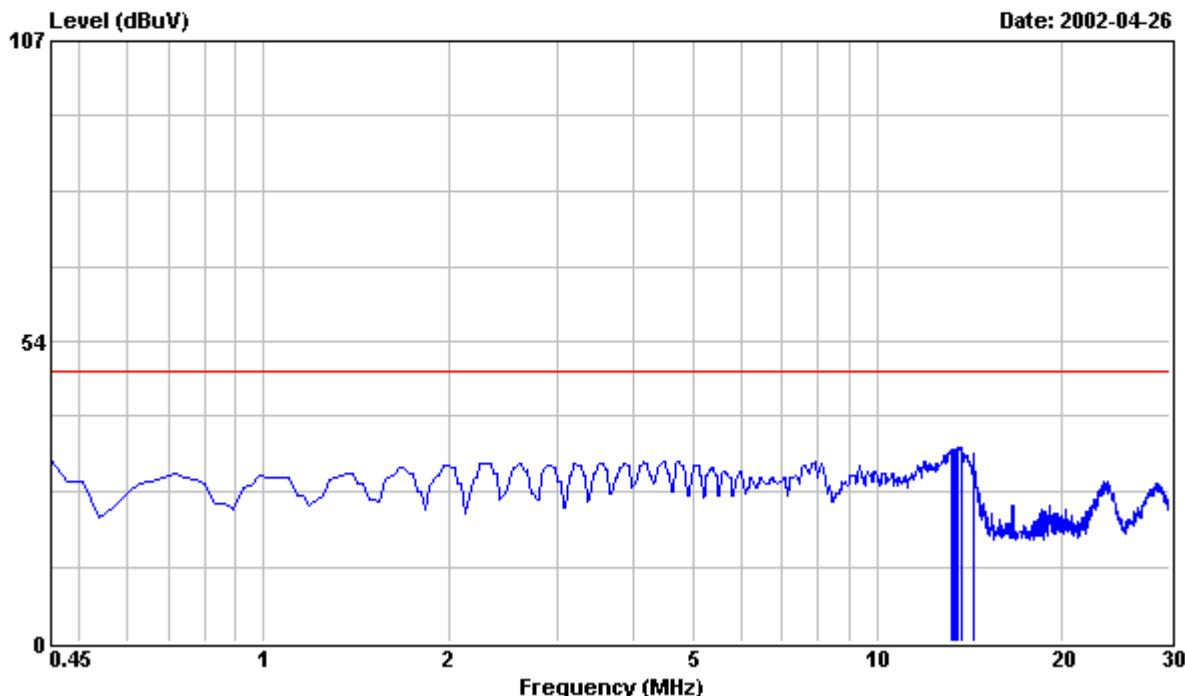


# PHILIPS

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Data#: 7

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
13.216	33.10	48.00	0.67	33.77	-14.23	
13.275	33.50	48.00	0.67	34.17	-13.83	
13.334	33.60	48.00	0.67	34.27	-13.73	
13.393	33.70	48.00	0.67	34.37	-13.63	
13.511	33.80	48.00	0.67	34.47	-13.53	
13.688	34.00	48.00	0.68	34.68	-13.32	
13.748	33.40	48.00	0.68	34.08	-13.92	
14.398	33.00	48.00	0.69	33.69	-14.31	

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

Tested by : C.C.Wu

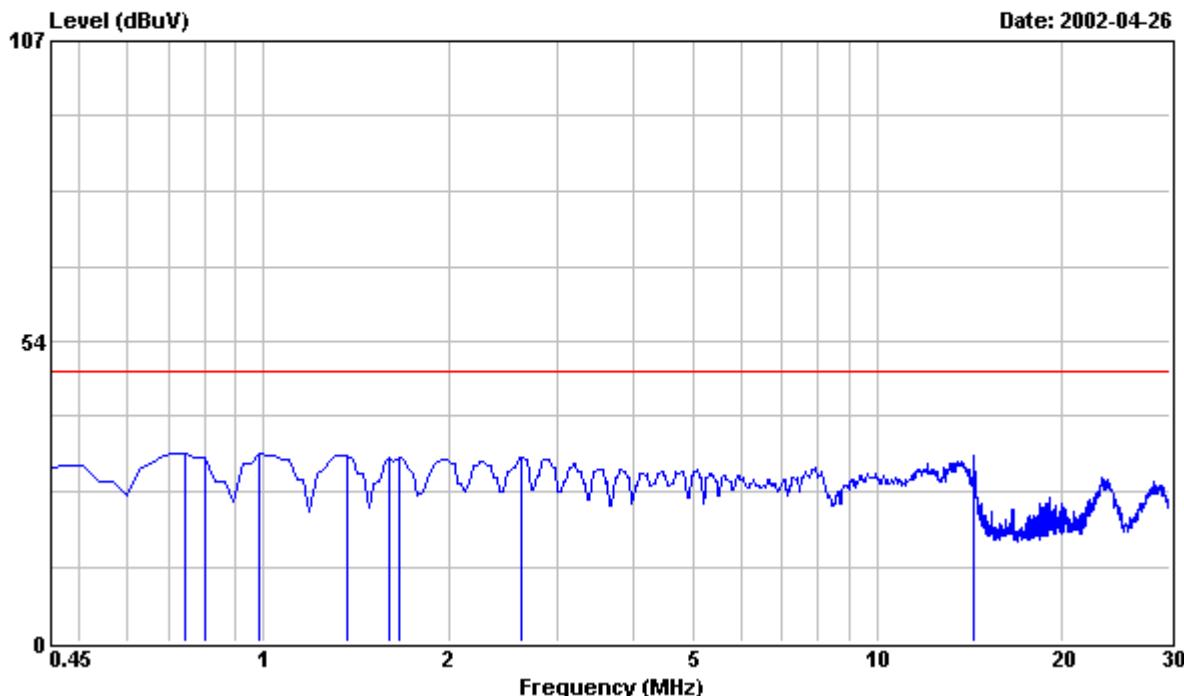


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Data#: 8

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Lavel dBuV	Over Limit dBuV	※ NEUTRAL
0.746	33.20	48.00	0.33	33.53	-14.47	
0.805	32.60	48.00	0.35	32.95	-15.05	
0.982	33.00	48.00	0.40	33.40	-14.60	
1.366	32.60	48.00	0.40	33.00	-15.00	
1.602	32.30	48.00	0.40	32.70	-15.30	
1.662	32.50	48.00	0.40	32.90	-15.10	
2.637	32.30	48.00	0.40	32.70	-15.30	
14.398	32.50	48.00	0.69	33.19	-14.81	

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

Tested by : C.C.Wu

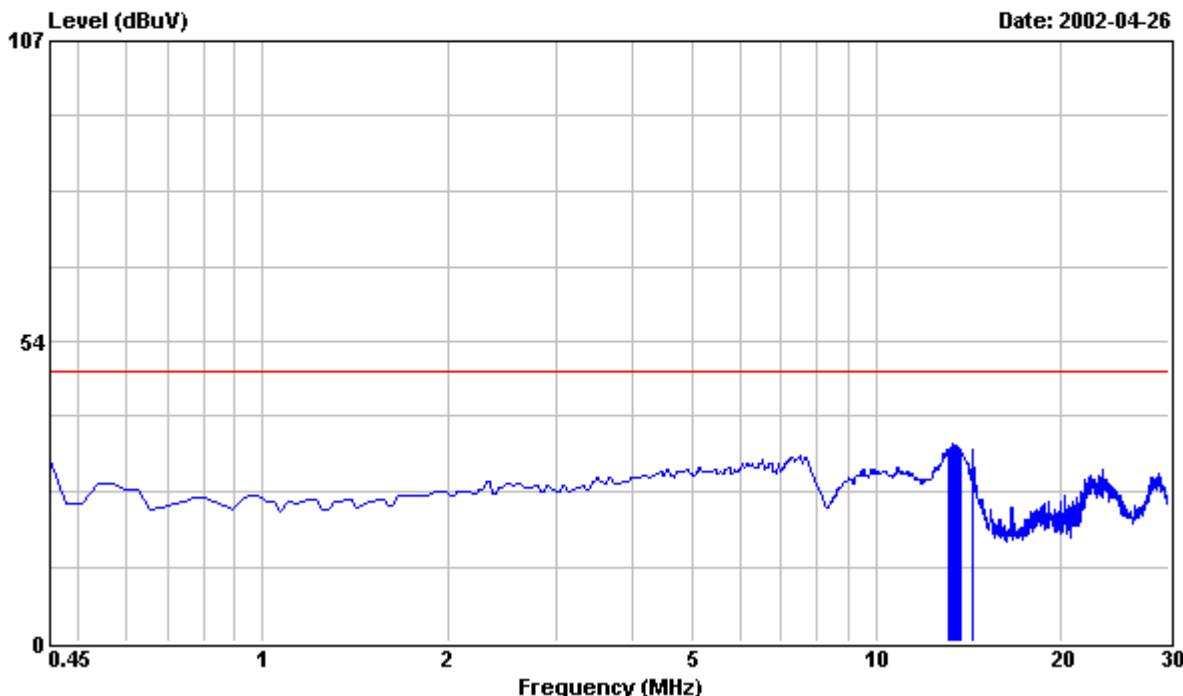


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Data#:

File#: C:\Program Files\e3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       & MICROPHONE.  
       : 3. 1600x1200/60Hz 75KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & DVI I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
13.097	33.40	48.00	0.67	34.07	-13.93	
13.275	34.10	48.00	0.67	34.77	-13.23	
13.334	34.50	48.00	0.67	35.17	-12.83	
13.452	34.40	48.00	0.67	35.07	-12.93	
13.511	34.40	48.00	0.67	35.07	-12.93	
13.629	33.90	48.00	0.68	34.58	-13.42	
13.748	33.50	48.00	0.68	34.18	-13.82	
14.398	33.60	48.00	0.69	34.29	-13.71	

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

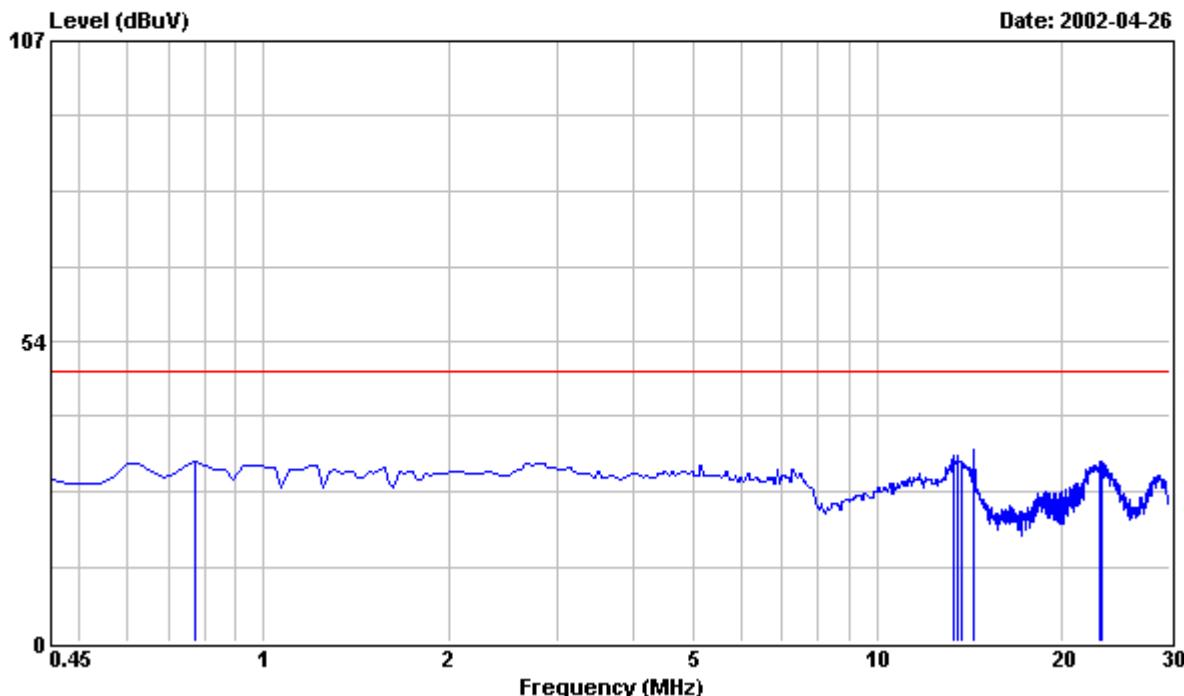
Tested by : C.C.Wu



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Data#: 10 File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/60Hz 75KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & DVI I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit	※ NEUTRAL
MHz	dBuV	dBuV	dB	dBuV	dBuV	
0.775	31.90	48.00	0.34	32.24	-15.76	
13.334	32.50	48.00	0.67	33.17	-14.83	
13.511	32.40	48.00	0.67	33.07	-14.93	
13.570	31.80	48.00	0.68	32.48	-15.52	
13.688	31.50	48.00	0.68	32.18	-15.82	
14.398	33.40	48.00	0.69	34.09	-13.91	
23.144	31.31	48.00	0.96	32.27	-15.73	
23.263	31.10	48.00	0.97	32.07	-15.93	

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

Tested by : C.C.Wu

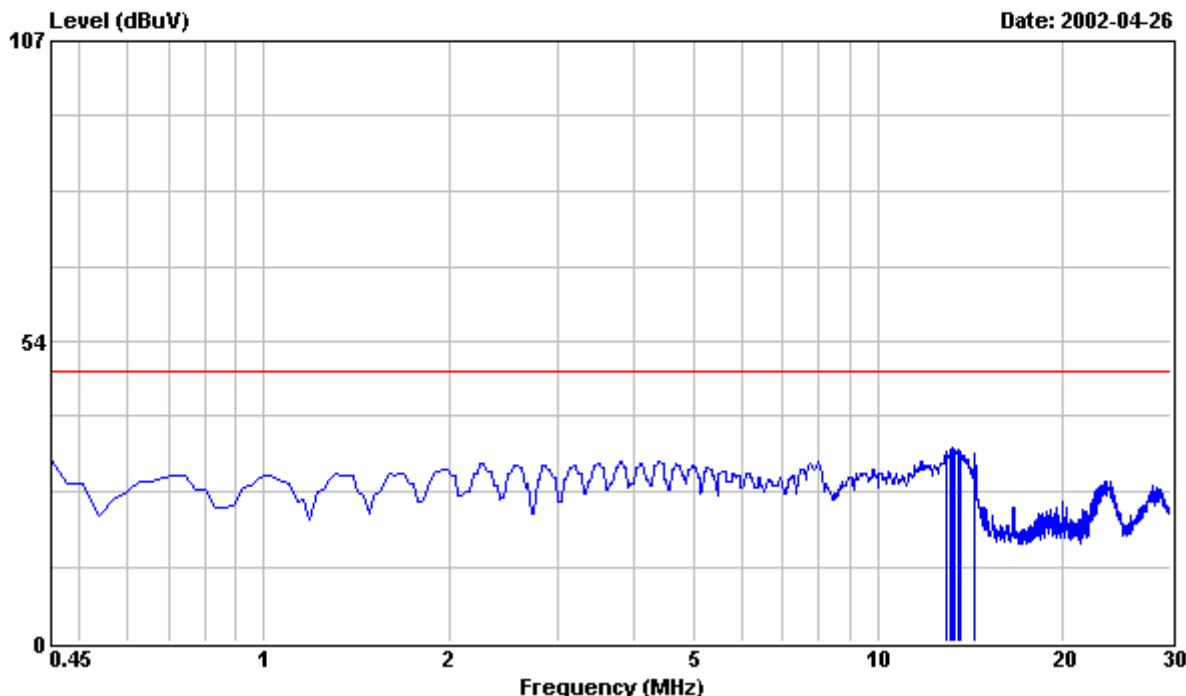


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Data#: 11

File#: C:\Program Files\e3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       :     I/P CABLE WERE CONNECTED WITH 4  
       :     DUMMY LOAD & AUDIO WITH HEADPHONE  
       :     & MICROPHONE.  
       : 3. 1600x1200/60Hz 75KHz MODE W/CP  
       :     CORP. AR6S VIDEO CARD & DVI I/F  
       :     CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
12.920	33.10	48.00	0.66	33.76	-14.24	
13.157	33.40	48.00	0.67	34.07	-13.93	
13.216	33.30	48.00	0.67	33.97	-14.03	
13.275	33.80	48.00	0.67	34.47	-13.53	
13.334	33.60	48.00	0.67	34.27	-13.73	
13.570	33.40	48.00	0.68	34.08	-13.92	
13.629	33.30	48.00	0.68	33.98	-14.02	
14.398	33.00	48.00	0.69	33.69	-14.31	

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

Tested by : C.C.Wu

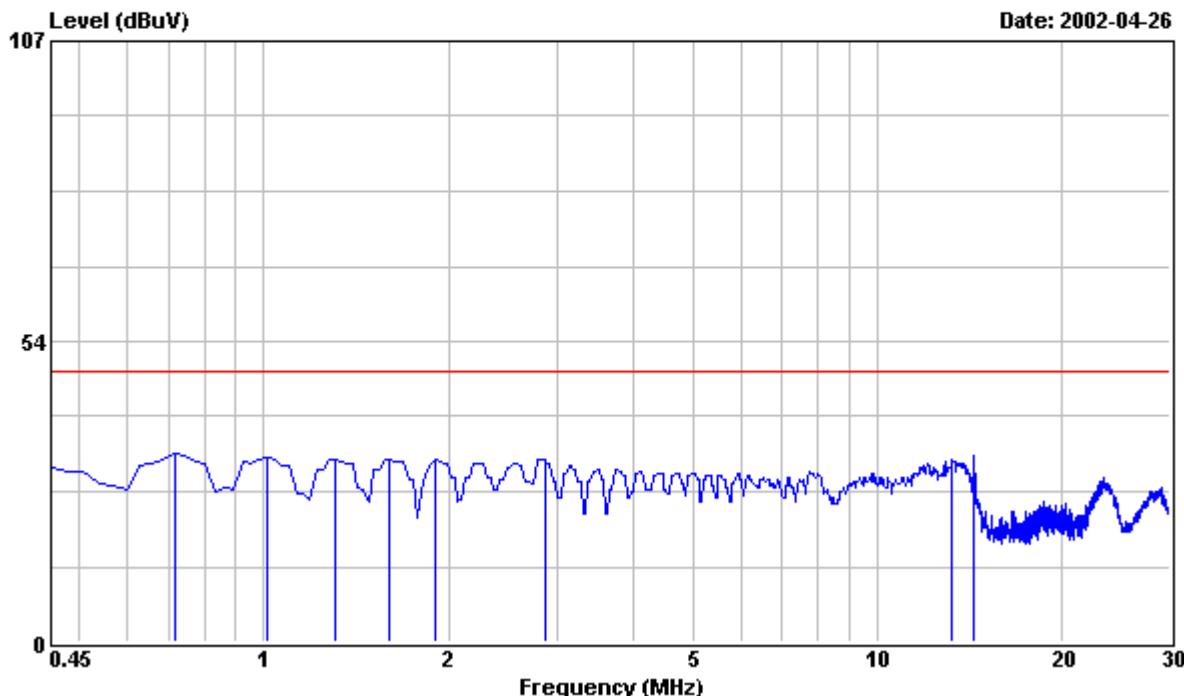


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Data#: 12

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/60Hz 75KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & DVI I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	Limit	Factor	Emission Level	Over Limit	※ NEUTRAL
MHz	dBuV	dBuV	dB	dBuV	dBuV	
0.716	33.10	48.00	0.32	33.42	-14.58	
1.011	32.50	48.00	0.40	32.90	-15.10	
1.307	32.20	48.00	0.40	32.60	-15.40	
1.602	31.90	48.00	0.40	32.30	-15.70	
1.898	32.10	48.00	0.40	32.50	-15.50	
2.873	32.00	48.00	0.40	32.40	-15.60	
13.275	31.70	48.00	0.67	32.37	-15.63	
14.398	32.50	48.00	0.69	33.19	-14.81	

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

Tested by : C.C.Wu

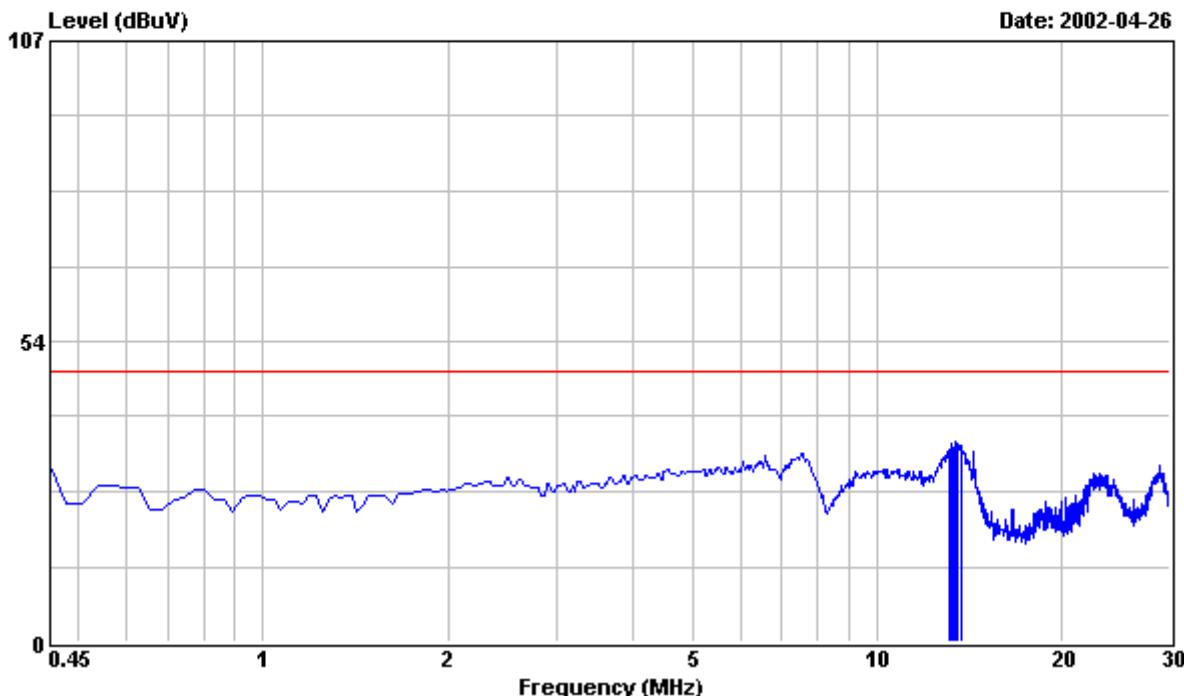


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Data#: 13

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       :     I/P CABLE WERE CONNECTED WITH 4  
       :     DUMMY LOAD & AUDIO WITH HEADPHONE  
       :     & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       :     CORP. AR6S VIDEO CARD & DVI I/F  
       :     CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
13.097	33.60	48.00	0.67	34.27	-13.73	
13.157	33.30	48.00	0.67	33.97	-14.03	
13.275	34.80	48.00	0.67	35.47	-12.53	
13.334	34.10	48.00	0.67	34.77	-13.23	
13.452	34.90	48.00	0.67	35.57	-12.43	
13.511	34.50	48.00	0.67	35.17	-12.83	
13.570	33.80	48.00	0.68	34.48	-13.52	
13.688	34.20	48.00	0.68	34.88	-13.12	

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

Tested by : C.C.Wu

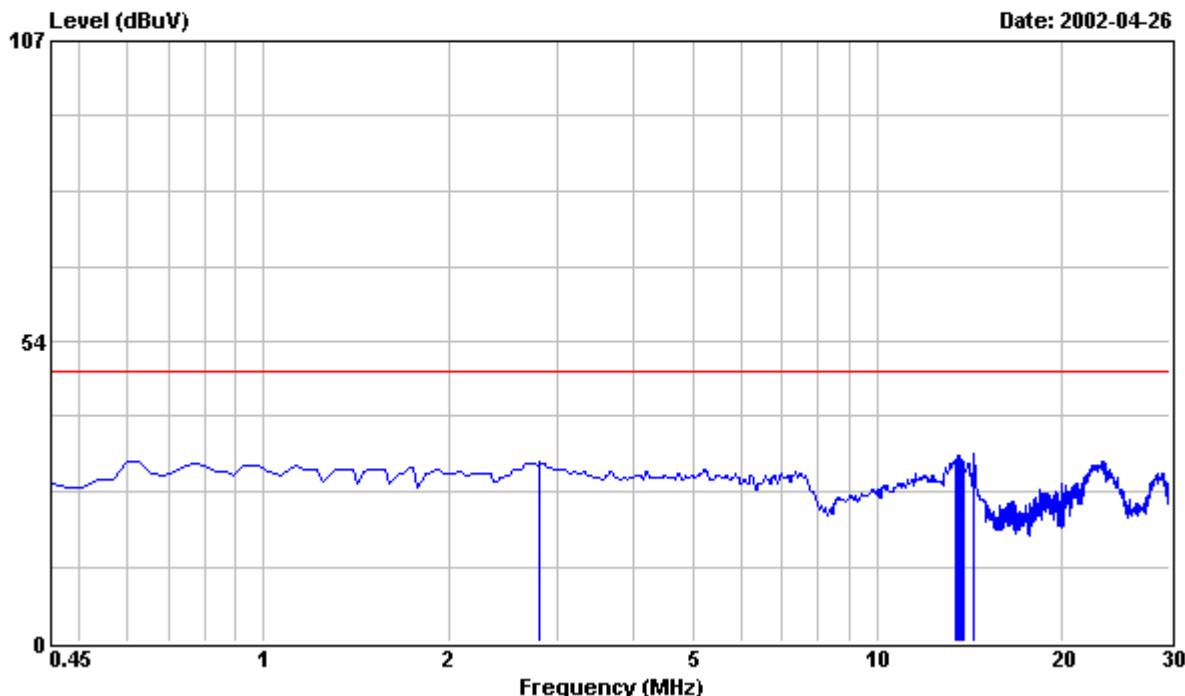


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Data#: 14

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & DVI I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ NEUTRAL
2.814	31.60	48.00	0.40	32.00	-16.00	
13.393	31.60	48.00	0.67	32.27	-15.73	
13.511	32.60	48.00	0.67	33.27	-14.73	
13.570	31.90	48.00	0.68	32.58	-15.42	
13.629	32.60	48.00	0.68	33.28	-14.72	
13.688	31.90	48.00	0.68	32.58	-15.42	
13.807	31.40	48.00	0.68	32.08	-15.92	
14.398	32.80	48.00	0.69	33.49	-14.51	

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

Tested by : C.C.Wu

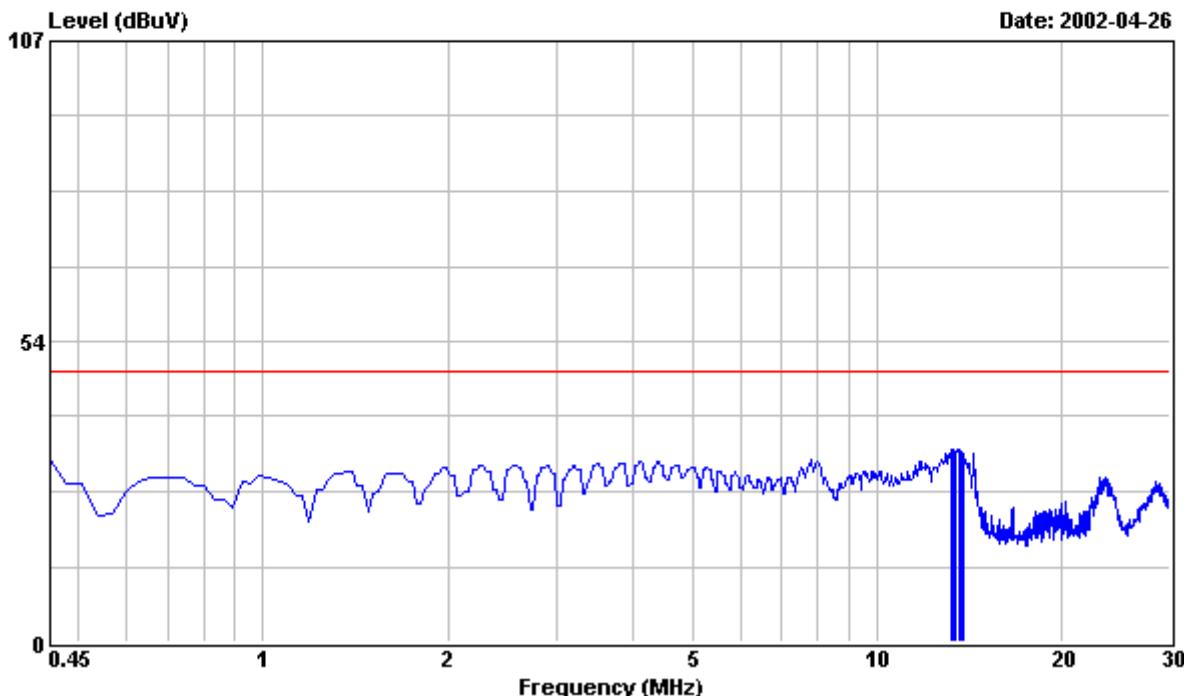


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Data#: 15

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       :     I/P CABLE WERE CONNECTED WITH 4  
       :     DUMMY LOAD & AUDIO WITH HEADPHONE  
       :     & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       :     CORP. AR6S VIDEO CARD & DVI I/F  
       :     CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Level dBuV	Over Limit dBuV	※ LINE
13.275	33.60	48.00	0.67	34.27	-13.73	
13.334	33.40	48.00	0.67	34.07	-13.93	
13.393	33.30	48.00	0.67	33.97	-14.03	
13.452	33.30	48.00	0.67	33.97	-14.03	
13.600	33.40	48.00	0.68	34.08	-13.92	
13.748	33.10	48.00	0.68	33.78	-14.22	
13.807	33.00	48.00	0.68	33.68	-14.32	
13.866	33.00	48.00	0.68	33.68	-14.32	

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

Tested by : C.C.Wu

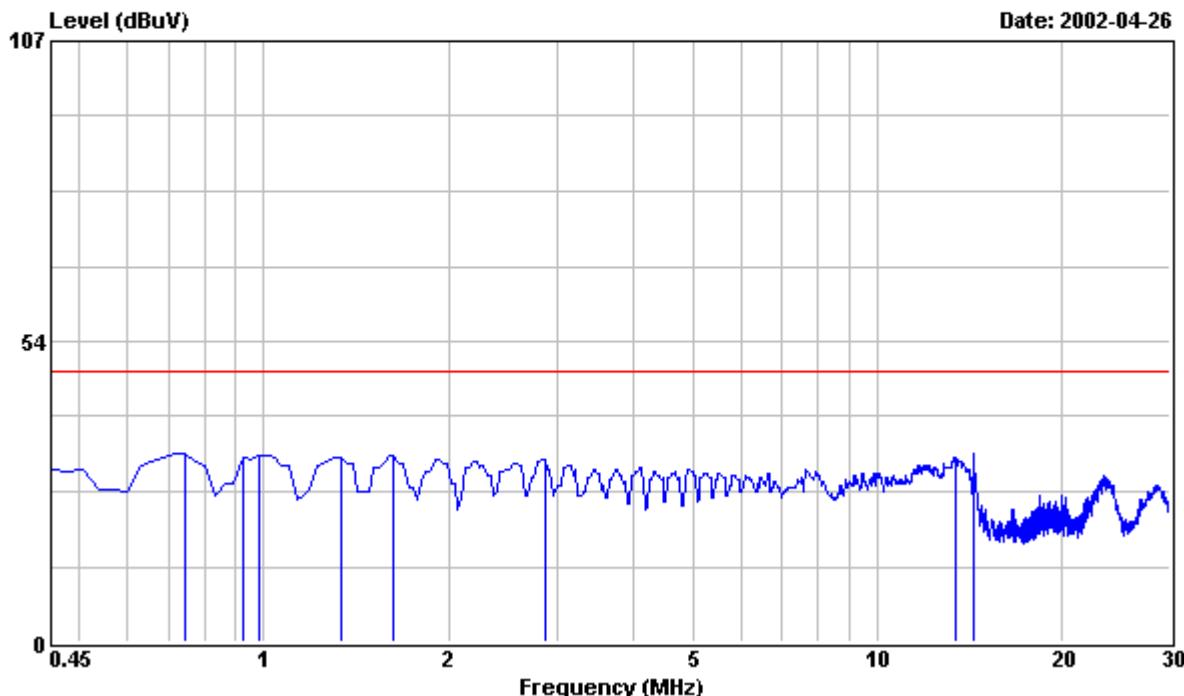


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Data#: 16

File#: C:\Program Files\em3\EMI02-019-C.emi



Site : PHILIPS EMI Shielding Room  
 Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 220VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & DVI I/F  
       : CABLE WAS TESTED.

Frequency MHz	Peak Reading dBuV	Limit dBuV	Factor dB	Emission Lavel dBuV	Over Limit dBuV	※ NEUTRAL
0.746	33.30	48.00	0.33	33.63	-14.37	
0.923	32.30	48.00	0.38	32.68	-15.32	
0.982	32.90	48.00	0.40	33.30	-14.70	
1.337	32.40	48.00	0.40	32.80	-15.20	
1.632	32.60	48.00	0.40	33.00	-15.00	
2.873	32.20	48.00	0.40	32.60	-15.40	
13.393	32.00	48.00	0.67	32.67	-15.33	
14.398	32.80	48.00	0.69	33.49	-14.51	

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

Tested by : C.C.Wu

## 8. Radiated Emission Test

### Radiated Emissions

#### FCC Part 15

##### Operating conditions EUT:

EUT powered on with scrolling "H" pattern.

##### Limits:

Frequency range (MHz)	Class A at 10m (dBuv) QP	Class B at 3m (dBuv) QP
30.0 – 88.0	39.0	40.0 Quasi-Peak
88.0 – 216.0	43.5	43.5 Quasi-Peak
216.0 – 960.0	46.5	46.0 Quasi-Peak
960.0 – 1000.0	49.5	54.0 Quasi-Peak
Above 1000.0	49.5	54.0 Average

##### Test Result :

Passed FCC Class B Limits

##### Remark:

Date of Test

: 26 Apr., 2002 to 27 Apr., 2002

Test Engineer

: C.C.Wu

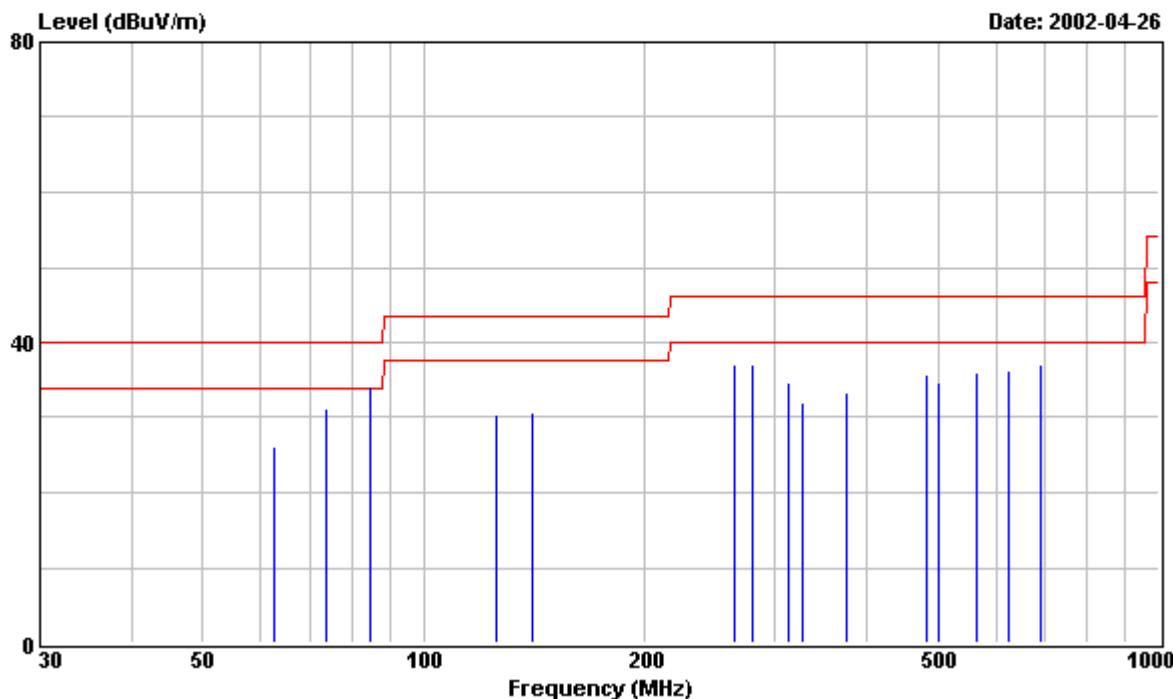
For detail measurement results see next pages.



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Data#: 1 File#: C:\Program Files\em3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/75Hz 93.7KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit
					HORIZONTAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
62.650	16.10	---	40.00	9.93	26.03	-13.97
73.550	21.10	---	40.00	10.15	31.25	-8.75
84.300	23.80	---	40.00	10.63	34.43	-5.57
84.300	---	19.50	40.00	10.63	30.13	-9.87
125.300	17.80	---	43.50	12.52	30.32	-13.18
140.050	17.50	---	43.50	13.06	30.56	-12.94
265.340	15.60	---	46.00	21.38	36.98	-9.02
280.620	14.90	---	46.00	22.21	37.11	-8.89
313.230	17.90	---	46.00	16.76	34.66	-11.34
327.980	14.90	---	46.00	17.06	31.96	-14.04

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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
HORIZONTAL						
375.870	15.40	---	46.00	17.98	33.38	-12.62
483.576	16.30	---	46.00	19.51	35.81	-10.19
501.160	15.00	---	46.00	19.73	34.73	-11.27
563.790	15.40	---	46.00	20.71	36.11	-9.89
626.440	14.30	---	46.00	21.88	36.18	-9.82
689.050	13.70	---	46.00	23.29	36.99	-9.01

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

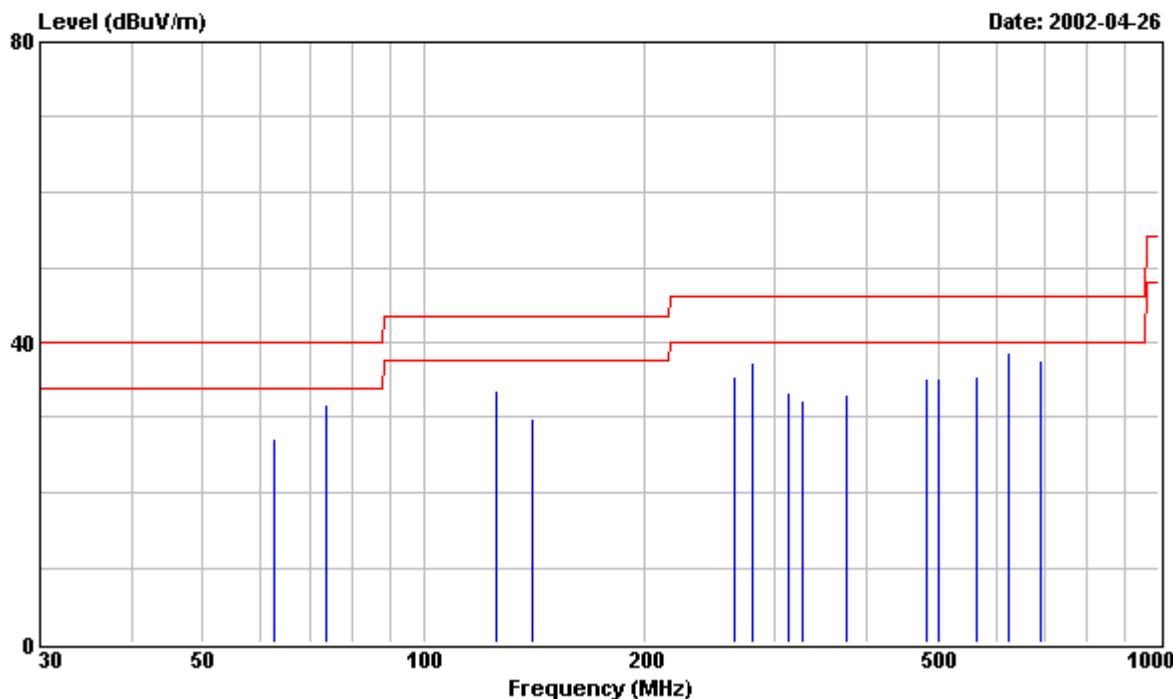
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Data#: 2 File#: C:\Program Files\em3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/75Hz 93.7KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit
					VERTICAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
62.650	17.20	---	40.00	9.93	27.13	-12.87
73.550	21.70	---	40.00	10.15	31.85	-8.15
125.300	21.00	---	43.50	12.52	33.52	-9.98
140.050	16.80	---	43.50	13.06	29.86	-13.64
265.340	14.20	---	46.00	21.38	35.58	-10.42
280.620	15.00	---	46.00	22.21	37.21	-8.79
313.230	16.60	---	46.00	16.76	33.36	-12.64
327.980	15.10	---	46.00	17.06	32.16	-13.84
375.870	15.00	---	46.00	17.98	32.98	-13.02
483.576	15.60	---	46.00	19.51	35.11	-10.89

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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
VERTICAL						
501.160	15.50	---	46.00	19.73	35.23	-10.77
563.790	14.80	---	46.00	20.71	35.51	-10.49
626.440	16.90	---	46.00	21.88	38.78	-7.22
689.050	14.40	---	46.00	23.29	37.69	-8.31

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

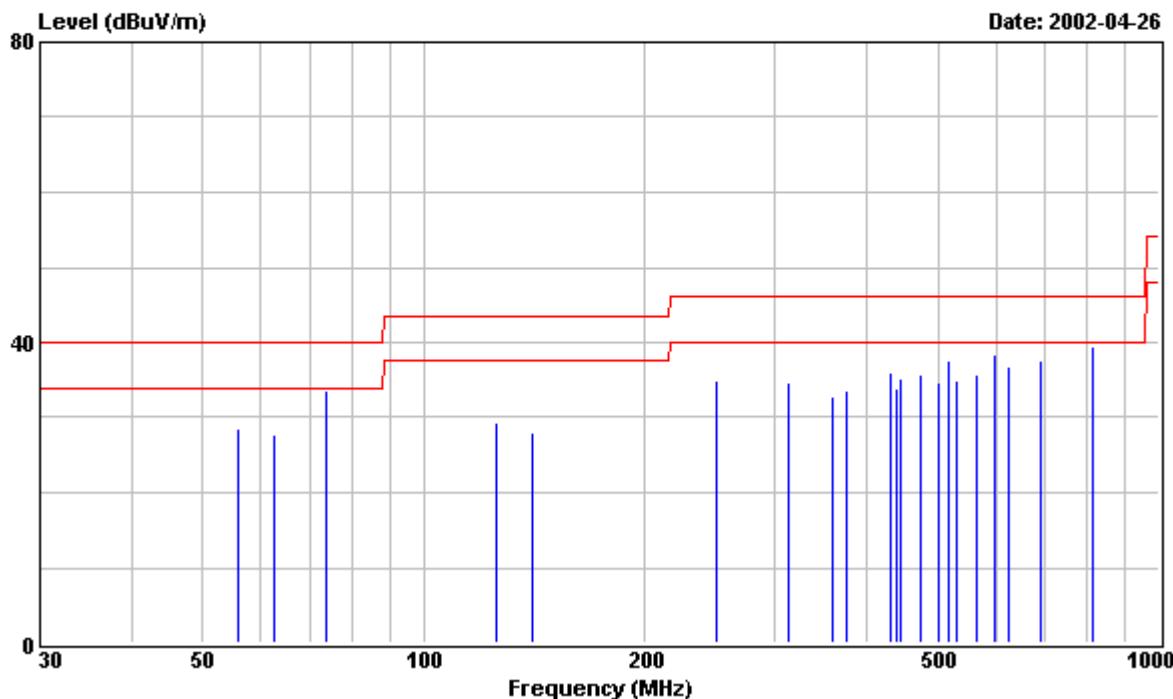
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Data#: 3 File#: C:\Program Files\em3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit
					HORIZONTAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
55.720	18.30	---	40.00	10.26	28.56	-11.44
62.650	17.80	---	40.00	9.93	27.73	-12.27
73.550	23.50	---	40.00	10.15	33.65	-6.35
125.300	16.90	---	43.50	12.52	29.42	-14.08
140.050	14.90	---	43.50	13.06	27.96	-15.54
250.580	14.30	---	46.00	20.50	34.80	-11.20
313.220	17.80	---	46.00	16.76	34.56	-11.44
360.590	15.00	---	46.00	17.70	32.70	-13.30
375.870	15.50	---	46.00	17.98	33.48	-12.52
431.570	17.30	---	46.00	18.83	36.13	-9.87

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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
HORIZONTAL						
438.510	14.80	---	46.00	18.94	33.74	-12.26
445.460	16.20	---	46.00	19.02	35.22	-10.78
473.250	16.40	---	46.00	19.39	35.79	-10.21
501.160	14.90	---	46.00	19.73	34.63	-11.37
518.340	17.60	---	46.00	20.02	37.62	-8.38
529.590	14.70	---	46.00	20.19	34.89	-11.11
563.790	15.10	---	46.00	20.71	35.81	-10.19
597.200	17.30	---	46.00	21.17	38.47	-7.53
626.420	14.90	---	46.00	21.88	36.78	-9.22
689.050	14.20	---	46.00	23.29	37.49	-8.51
814.360	14.50	---	46.00	25.02	39.52	-6.48

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

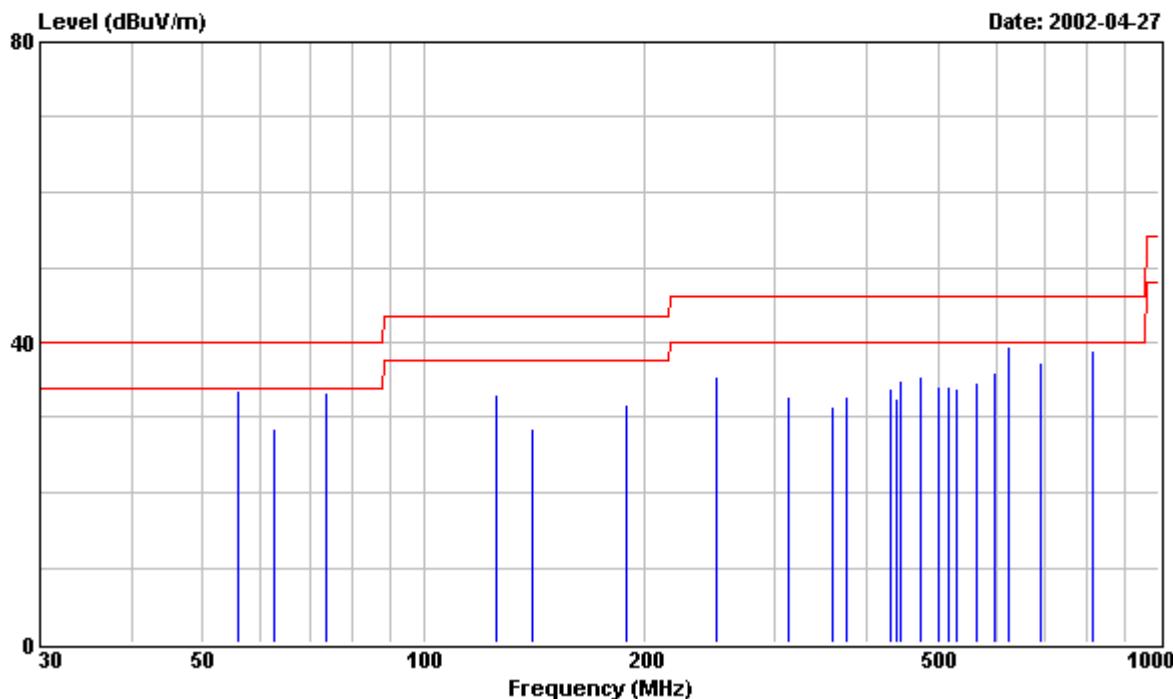
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Data#: 4 File#: C:\Program Files\em3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & D-SUB I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit
					VERTICAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
55.720	23.30	---	40.00	10.26	33.56	-6.44
62.650	18.70	---	40.00	9.93	28.63	-11.37
73.550	23.20	---	40.00	10.15	33.35	-6.65
125.300	20.60	---	43.50	12.52	33.12	-10.38
140.050	15.60	---	43.50	13.06	28.66	-14.84
187.940	16.50	---	43.50	15.16	31.66	-11.84
250.580	15.10	---	46.00	20.50	35.60	-10.40
313.220	16.10	---	46.00	16.76	32.86	-13.14
360.590	13.70	---	46.00	17.70	31.40	-14.60
375.870	14.80	---	46.00	17.98	32.78	-13.22

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



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Frequency MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
431.570	15.10	---	46.00	18.83	33.93	-12.07
438.510	13.50	---	46.00	18.94	32.44	-13.56
445.460	16.00	---	46.00	19.02	35.02	-10.98
473.250	16.10	---	46.00	19.39	35.49	-10.51
501.160	14.60	---	46.00	19.73	34.33	-11.67
518.340	14.10	---	46.00	20.02	34.12	-11.88
529.590	13.60	---	46.00	20.19	33.79	-12.21
563.790	14.00	---	46.00	20.71	34.71	-11.29
597.200	14.90	---	46.00	21.17	36.07	-9.93
626.420	17.70	---	46.00	21.88	39.58	-6.42
689.050	14.10	---	46.00	23.29	37.39	-8.61
814.360	13.90	---	46.00	25.02	38.92	-7.08

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

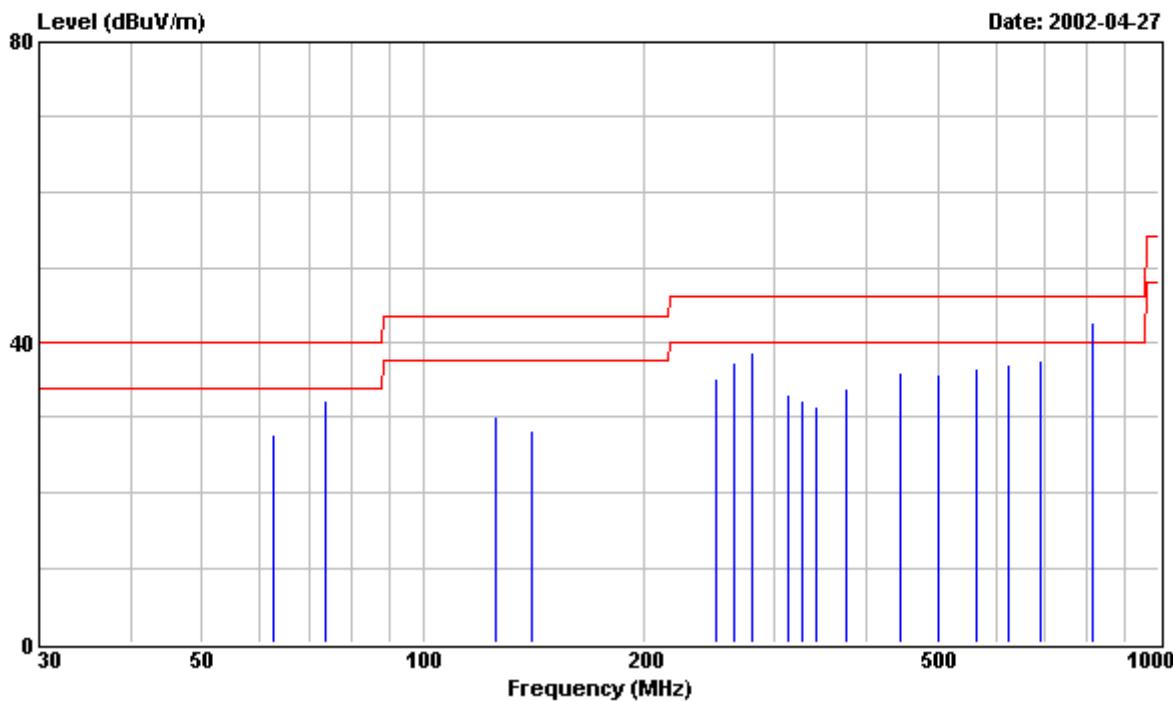
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Data#: 5 File#: C:\Program Files\em3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       :     I/P CABLE WERE CONNECTED WITH 4  
       :     DUMMY LOAD & AUDIO WITH HEADPHONE  
       :     & MICROPHONE.  
       : 3. 1600x1200/60Hz 75KHz MODE W/CP CORP.  
       :     AR6S VIDEO CARD & DVI I/F CABLE WAS  
       :     TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level		Over Limit
					HORIZONTAL	dBuV/m	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m	
62.650	17.80	---	40.00	9.93	27.73	-12.27	
73.550	22.10	---	40.00	10.15	32.25	-7.75	
125.300	17.60	---	43.50	12.52	30.12	-13.38	
140.050	15.10	---	43.50	13.06	28.16	-15.34	
250.580	14.60	---	46.00	20.50	35.10	-10.90	
265.340	15.90	---	46.00	21.38	37.28	-8.72	
280.030	16.40	---	46.00	22.16	38.56	-7.44	
313.230	16.20	---	46.00	16.76	32.96	-13.04	
327.980	15.20	---	46.00	17.06	32.26	-13.74	
342.700	14.00	---	46.00	17.37	31.37	-14.63	

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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
HORIZONTAL						
375.870	15.80	---	46.00	17.98	33.78	-12.22
445.460	17.00	---	46.00	19.02	36.02	-9.98
501.160	16.10	---	46.00	19.73	35.83	-10.17
563.790	15.70	---	46.00	20.71	36.41	-9.59
626.440	15.30	---	46.00	21.88	37.18	-8.82
689.050	14.20	---	46.00	23.29	37.49	-8.51
811.240	17.70	---	46.00	24.98	42.68	-3.32
811.240	---	14.42	46.00	24.98	39.40	-6.60

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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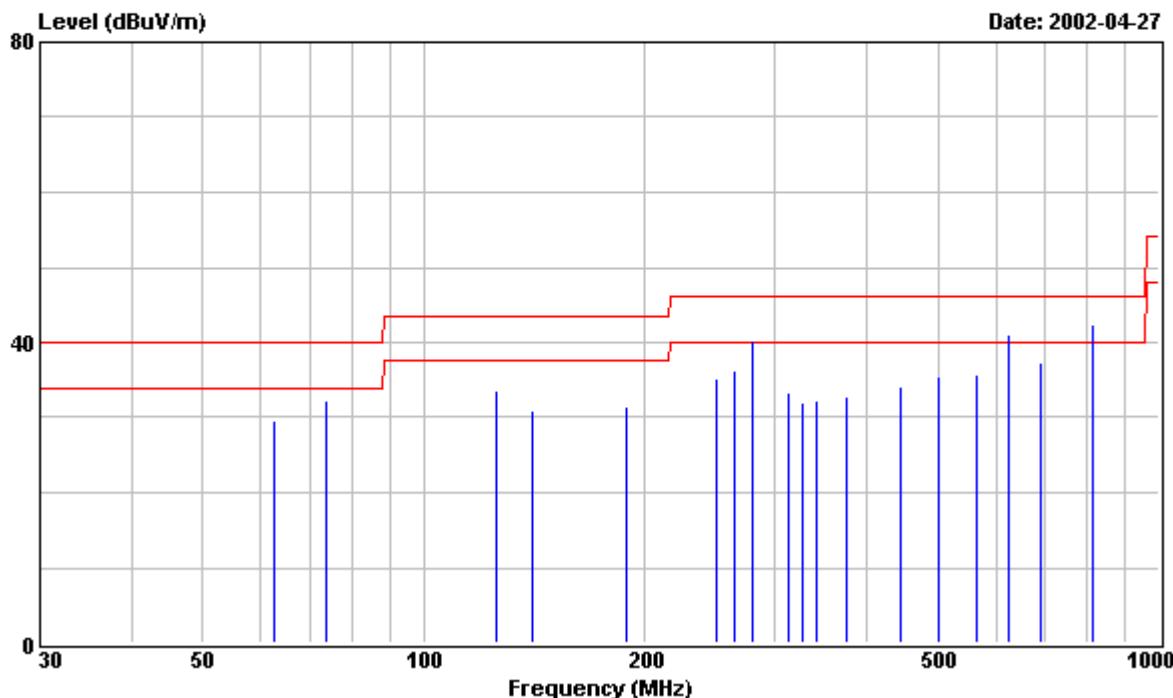


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Tel:+886-3-4549862 Fax:+886-3-4549887

Data#: 6

File#: C:\Program Files\e3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1600x1200/60Hz 75KHz MODE W/CP CORP.  
       : AR6S VIDEO CARD & DVI I/F CABLE WAS  
       : TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit
					VERTICAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
62.650	19.80	---	40.00	9.93	29.73	-10.27
73.550	22.10	---	40.00	10.15	32.25	-7.75
125.300	21.10	---	43.50	12.52	33.62	-9.88
140.050	17.90	---	43.50	13.06	30.96	-12.54
187.940	16.20	---	43.50	15.16	31.36	-12.14
250.580	14.60	---	46.00	20.50	35.10	-10.90
265.340	14.90	---	46.00	21.38	36.28	-9.72
280.030	---	16.40	46.00	22.16	38.56	-7.44
280.030	18.10	---	46.00	22.16	40.26	-5.74
313.230	16.50	---	46.00	16.76	33.26	-12.74

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



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Frequency MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
327.980	14.90	---	46.00	17.06	31.96	-14.04
342.700	15.00	---	46.00	17.37	32.37	-13.63
375.870	14.70	---	46.00	17.98	32.68	-13.32
445.460	15.10	---	46.00	19.02	34.12	-11.88
501.160	15.80	---	46.00	19.73	35.53	-10.47
563.790	14.90	---	46.00	20.71	35.61	-10.39
626.440	---	17.80	46.00	21.88	39.68	-6.32
626.440	19.10	---	46.00	21.88	40.98	-5.02
689.050	14.00	---	46.00	23.29	37.29	-8.71
811.240	17.50	---	46.00	24.98	42.48	-3.52
811.240	---	14.20	46.00	24.98	39.18	-6.82

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

Tested by : C C.Wu

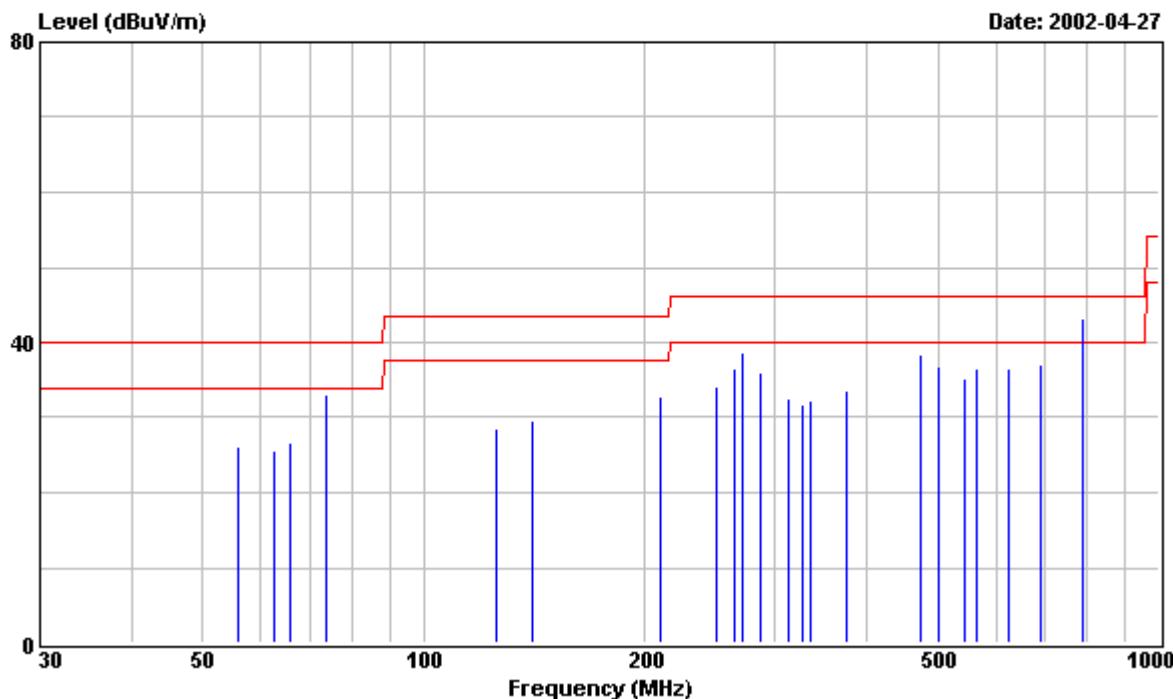
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Data#: 7 File#: C:\Program Files\em3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & DVI I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit
					HORIZONTAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
55.720	15.80	---	40.00	10.26	26.06	-13.94
62.650	15.90	---	40.00	9.93	25.83	-14.17
65.760	16.70	---	40.00	9.96	26.66	-13.34
73.550	22.80	---	40.00	10.15	32.95	-7.05
125.300	16.10	---	43.50	12.52	28.62	-14.88
140.050	16.50	---	43.50	13.06	29.56	-13.94
209.430	15.60	---	43.50	17.15	32.75	-10.75
250.580	14.00	---	46.00	20.50	34.50	-11.50
264.910	15.10	---	46.00	21.33	36.43	-9.57
272.070	16.80	---	46.00	21.75	38.55	-7.45

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



# 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 MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
HORIZONTAL						
286.390	13.60	---	46.00	22.47	36.07	-9.93
313.230	15.90	---	46.00	16.76	32.66	-13.34
327.550	14.60	---	46.00	17.06	31.66	-14.34
334.700	15.10	---	46.00	17.20	32.30	-13.70
375.870	15.70	---	46.00	17.98	33.68	-12.32
473.250	18.90	---	46.00	19.39	38.29	-7.71
501.160	17.00	---	46.00	19.73	36.73	-9.27
543.370	14.90	---	46.00	20.39	35.29	-10.71
563.790	15.80	---	46.00	20.71	36.51	-9.49
626.430	14.70	---	46.00	21.88	36.58	-9.42
689.050	13.70	---	46.00	23.29	36.99	-9.01
788.740	18.60	---	46.00	24.66	43.26	-2.74
788.740	---	16.19	46.00	24.66	40.85	-5.15

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

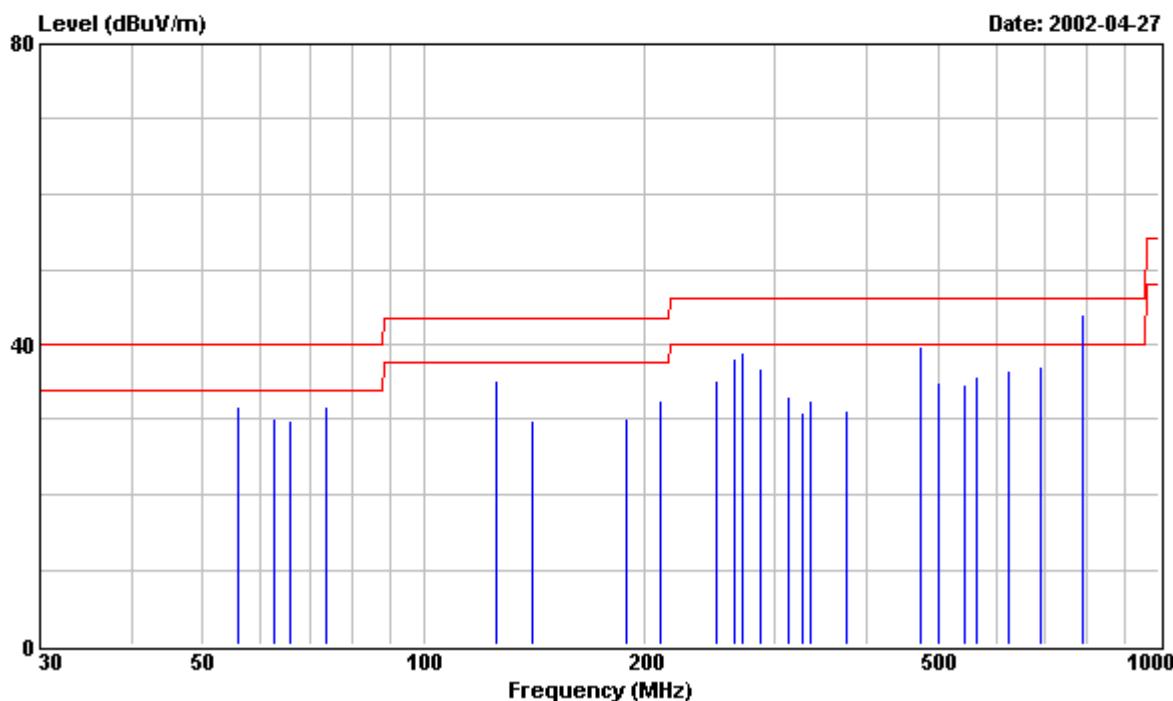
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Data#: 8 File#: C:\Program Files\em3\EMI02-019-R.emi



Site : PHILIPS EMI 3M open site  
 Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL  
 EUT : PHILIPS 200P3 Serial No:TY0205219  
 Power : 120-240VAC  
 Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
       : 2. EXTRA S-VIDEO , CVBS , AUDIO2(VIDEO)  
       : I/P CABLE WERE CONNECTED WITH 4  
       : DUMMY LOAD & AUDIO WITH HEADPHONE  
       : & MICROPHONE.  
       : 3. 1280x1024/85Hz 91.1KHz MODE W/CP  
       : CORP. AR6S VIDEO CARD & DVI I/F  
       : CABLE WAS TESTED.

Frequency	Peak Reading	QP reading	Limit	Factor	Emission Level	Over Limit
					VERTICAL	
MHz	dBuV	dBuV	dBuV/m	dB/m	dBuV/m	dBuV/m
55.720	21.40	---	40.00	10.26	31.66	-8.34
62.650	20.10	---	40.00	9.93	30.03	-9.97
65.760	20.00	---	40.00	9.96	29.96	-10.04
73.550	21.60	---	40.00	10.15	31.75	-8.25
125.300	22.70	---	43.50	12.52	35.22	-8.28
140.050	16.70	---	43.50	13.06	29.76	-13.74
187.940	15.10	---	43.50	15.16	30.26	-13.24
209.430	15.30	---	43.50	17.15	32.45	-11.05
250.580	14.60	---	46.00	20.50	35.10	-10.90
264.910	16.90	---	46.00	21.33	38.23	-7.77

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



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Frequency MHz	Peak Reading dBuV	QP reading dBuV	Limit dBuV/m	Factor dB/m	Emission Level dBuV/m	Over Limit dBuV/m
272.070	17.30	---	46.00	21.75	39.05	-6.95
286.390	14.30	---	46.00	22.47	36.77	-9.23
313.230	16.20	---	46.00	16.76	32.96	-13.04
327.550	13.80	---	46.00	17.06	30.86	-15.14
334.700	15.20	---	46.00	17.20	32.40	-13.60
375.870	13.10	---	46.00	17.98	31.08	-14.92
473.250	20.30	---	46.00	19.39	39.69	-6.31
501.160	15.30	---	46.00	19.73	35.03	-10.97
543.370	14.20	---	46.00	20.39	34.59	-11.41
563.790	15.00	---	46.00	20.71	35.71	-10.29
626.430	14.60	---	46.00	21.88	36.48	-9.52
689.050	13.80	---	46.00	23.29	37.09	-8.91
788.740	19.30	---	46.00	24.66	43.96	-2.04
788.740	---	17.17	46.00	24.66	41.83	-4.17

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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