TEST REPORT FOR CERTIFICATION On Behalf for Philips Electronics Industries (Taiwan) Ltd. Flat Panel Color Monitor Model No.: 200W6 FCC ID. : A3KM142 Brand : PHILIPS

Prepared for : Philips Electronics Industries (Taiwan) Ltd. 5, Tze Chiang 1 Road, Chungli Industrial Park Chungli, Taoyuan, Taiwan, R.O.C.

Prepared By : Audix Corporation Technical Division EMC Department No. 53-11, Tin-Fu Tsun, Lin-Kou, Taipei County, Taiwan, R.O.C.

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File Number	:	EM940206
Report Number	:	EM-F940053
Date of Test	:	Mar. 01 ~ 03, 2005
Date of Report	:	Mar. 09, 2005
1		,

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APPENDIX I (Radiated Emission Test at Simple Anechoic Chamber)

## **TEST REPORT CERTIFICATION**

Applicant	:	Philips Electronics Industries (Taiwan) Ltd.
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd.
Factory #1	:	Skyway (Dong Guan) monitor Factory
Factory #2	:	Philips Consumer Electronics Co., of Suzhou Ltd.
Factory #3	:	Philips Ltd. Assembly Centre Hungary
EUT Description	:	Flat Panel Color Monitor
FCC ID.	:	A3KM142
		(A) MODEL NO. : 200W6
		(B) SERIAL NO. : (1) TY0405001 (2) TY0405026
		(C) BRAND : PHILIPS
		(D) POWER SUPPLY : AC 100V-240V~, 60-50Hz
		(E) TEST VOLTAGE : AC 120V/60Hz

Measurement Procedure Used:

FCC CFR 47 Part15 Subpart B/ July 2004 and CISPR 22/1997 ANSI C63.4-2003

The device described above was tested by AUDIX Corporation to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15 Subpart B with the provisions of section \$15.107 (a) and \$15.109 (a)(g) Class B limits both conducted and radiated emission.

The measurement results are contained in this test report and AUDIX Corporation is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX Corporation.

Date of Test :	Mar. 01 ~ 03, 2005	
Prepared by :	herry Ward Section N	<u>10 - 201</u> Ianager)
Test Engineer :_	(Allen Wang/Mar	ager) Mar. 11'05
Approved & Au	thorized Signer :	Lon Kin Mar. 11 2005 (Leon Liu/Senior Manager)

## **1. GENERAL INFORMATION**

# 1.1. Description of Device

Description	:	Flat Panel Color Monitor
FCC ID	:	A3KM142
Model Number	:	200W6
Serial Number	:	<ul><li>(1) TY0405001 (LPL Panel, Silver Appearance)</li><li>(2) TY0405026 (AUO Panel, Black Appearance)</li></ul>
Brand	:	PHILIPS
Applicant	:	Philips Electronics Industries (Taiwan) Ltd. 5, Tze Chiang 1 Road, Chungli Industrial Park Chungli, Taoyuan, Taiwan, R.O.C.
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd. 5, Tze Chiang 1 Road, Chungli Industrial Park P.O. Box 123, Chungli, Taoyuan, Taiwan, R.O.C
Factory #1	:	Skyway (Dong Guan) Monitor Factory Industrial Zone, Da Ling Shan Town, Dong Guan City, Guang Dong, China
Factory #2	:	Philips Consumer Electronics Co., of Suzhou Ltd. No. 161, Zhujiang Road, New District, Suzhou 215011, China
Factory #3	:	Philips Ltd. Assembly Centre Hungary Holland Fasor 6. PF 204, H-8002 Szekesfehervar, Hungary
LCD Panel	:	(1)LPL, M/N LM201W01 (2)AUO, M/N M201EW01
Scanning Frequency	:	Horizontal: 30-93kHz (Analog) Vertical: 56-85Hz
Max Resolution	:	Analog: 1680*1050/75Hz Digital: 1680*1050/60Hz

D-Sub Data Cable	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
DVI Data Cable	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
USB Data Cable	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Audio Cable	:	Non-Shielded, Detachable, 1.8m Bonded a ferrite core
Power Cord	:	Non-Shielded, Detachable, 1.8m (3 pin)
Date of Receipt of Sample	:	Feb. 17, 2005
Date of Test	:	Mar 01 ~ 03, 2005

# 1.2. Tested Supporting System Details

1.2.1. PC SYSTEM

	Model Number Serial Number FCC ID BSMI ID Manufacturer VGA Card Power Cord	: : : : :	D510 N/A By DoC 3912Q007 COMPAQ ATI 9800 Non-Shielded, Detachable, 1.8m
1.2.2.	KEYBOARD Model Number Serial Number BSMI ID FCC ID Manufacturer Data Cable	::	KB-0133 N/A R31310 by DoC COMPAQ Non-Shielded, Undetachable, 1.8m
1.2.3.	MODEM Model Number Serial Number FCC ID Manufacturer Data Cable Power Adapter	: : : :	DM-1414 980034385 IFAXDM1414 Accex Shielded, Detachable, 1.2m Amigo, M/N AM-91000A Non-Shielded, Undetachable, 1.8m

1.2.4. PS2 MOUSE

Model Number	:	M-S69
Serial Number	:	N/A
FCC ID	:	JNZ211443
BSMI ID	:	3892D101
Manufacturer	:	COMPAQ
Data Cable	:	Non-Shielded, Undetachable, 1.8m

#### 1.2.5. DOT MATRIX PRINTER

Model Number	:	KX-P2135
Serial Number	:	8DMCNC02139
BSMI ID	:	3872A371
FCC ID	:	ACJ5Z6KX-P2135
Brand	:	Panasonic
Manufacturer	:	Matsushita
Data Cable	:	Non-Shielded, Detachable, 1.5m
Power Cord	:	Non-Shielded, Undetachable, 1.8m

#### 1.2.6. MICROPHONE

	Model Number	:	HD-303
	Serial Number	:	N/A
	Manufacturer	:	Multimedia Microphone System
	Data Cable	:	Non-Shielded, Undetachable, 2.2m
1.2.7.	WALKMAN		

Model Number	:	RQ-P35LT-K
Serial Number	:	HA08623
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Detachable, 1.8m

### 1.2.8. USB STORAGE MEDIA (LINK TO EUT)

Model Number	:	505332
Serial Number	:	N/A
Manufacturer	:	Genuine
Capacity	:	256M
Data Cable	:	Shielded, Detachable, 1.0m
		Bonded two ferrite core

### 1.2.9. EARPHONE (LINK TO EUT)

Model Number	:	GO-440
Manufacturer	:	Labtec
Earphone Cable	:	Non-Shielded, Undetachable, 1.2m

1.3. Description of Test Facility

Name of Firm :	Audix Corporation Technical Division EMC Department No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei County 24443, Taiwan, R.O.C.
Test Location:(C4/R4/Simple Chamber)	<b>No. 4 Shielded Room</b> No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei County 24443, Taiwan, R.O.C.
	<b>No. 4 Open Area Test Site</b> No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei County 24443, Taiwan, R.O.C.
	Feb. 03, 2003 Re-File on Federal Communication Commission Registration Number: 90991
	<b>Simple Anechoic Chamber</b> No. 67-4, Tin-Fu Tsun, Lin-Kou, Taipei County, Taiwan, R.O.C.
NVLAP Lab. Code : (NVLAP is a NATA accredited be	200077-0 ody under Mutual Recognition Agreement)

DAR-Registration No. : DAT-P-145/03-01

1.4. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conduction Test	150kHz~30MHz	±1.73dB
Radiation Test	30MHz~300MHz	±2.99dB
(Distance: 10m)	300MHz~1000MHz	±2.73dB
Radiation Test	30MHz~300MHz	±2.91dB
(Distance: 3m)	300MHz~1000MHz	±2.94dB

Remark : Uncertainty =  $ku_c(y)$ 

## 2. CONDUCTED EMISSION MEASUREMENT

### 2.1. Test Equipment

The following test equipment was used during the conducted emission measurement :

Item	Туре	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESHS10	844591/015	Mar.04, 04'	Mar.03, 05'
2.	L.I.S.N. # 1	Kyoritsu	KNW-407	8-1430-5	Oct.06, 04'	Oct.05, 05'
3.	L.I.S.N. # 2	Kyoritsu	KNW-407	8-1430-6	Oct.06, 04'	Oct.05, 05'
4.	Pulse Limiter	R & S	ESH3-Z2	004	Apr.28, 04'	Apr.27, 05'

### 2.2. Block Diagram of Test Setup



2.3. Limits for Conducted Emission (§15.107(a), Class B)

Frequency	Maximum RF Line Voltage				
	Quasi-Peak Level	Average Level			
$150 \mathrm{kHz} \sim 500 \mathrm{kHz}$	$66 \sim 56 \ dB\mu V$	$56 \sim 46 \; dB \mu V$			
500kHz ~ 5MHz	56 dBµV	46 dBµV			
$5 MHz \sim 30 MHz$	60 dBµV	50 dBµV			

Remark1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.

2.: The lower limit applies at the band edges.

## 2.4. EUT's Configuration during Compliance Measurement

The following equipment were installed on RF LINE VOLTAGE measurement to meet the Commission requirement and operating in a manner which tended to maximize its emission characteristics in a normal application.

### 2.4.1. Flat Panel Color Monitor (EUT #1)

	Model Number Serial No. Brand FCC ID. Manufacturer Scanning Frequency Max Resolution LCD Panel D-Sub Data Cable DVI Data Cable USB Data Cable		200W6 TY0405001 PHILIPS A3KM142 Philips Electronics Industries (Taiwan) Ltd. Horizontal : 30kHz-93kHz (Analog) Vertical : 56Hz-85Hz Analog: 1680*1050/75Hz Digital: 1680*1050/60Hz LPL, M/N LM201W01 Shielded, Detachable, 1.8m Bonded two ferrite cores Shielded, Detachable, 1.8m Bonded two ferrite cores					
	Audio Cable	:	Non-Shielded, Detachable, 1.8m Bonded a ferrite core					
		•	Non-Sineided, Detachable, 1.8in (5 pin)					
2.4.2.	Flat Panel Color Monitor (EUT #2)							
	Model Number Serial No. Brand FCC ID. Manufacturer Scanning Frequency Max Resolution LCD Panel D-Sub Data Cable DVI Data Cable USB Data Cable Audio Cable Power Cord		200W6 TY0405026 PHILIPS A3KM142 Philips Electronics Industries (Taiwan) Ltd. Horizontal : 30kHz-93kHz (Analog) Vertical : 56Hz-85Hz Analog: 1680*1050/75Hz Digital: 1680*1050/60Hz AUO, M/N M201EW01 Shielded, Detachable, 1.8m Bonded two ferrite cores Shielded, Detachable, 1.8m Bonded two ferrite cores Shielded, Detachable, 1.8m Bonded two ferrite cores Non-Shielded, Detachable, 1.8m Bonded a ferrite core Non-Shielded Detachable, 1.8m					
2.4.3.	Supporting System	:	As In Section 1.2.					
	· - · ·							

### 2.5. Operating Condition of EUT

- 2.5.1. Setup the EUT and simulator as shown on 2.2.
- 2.5.2. Turned on the power of all equipment.
- 2.5.3. The PC system read data from disk.
- 2.5.4. The PC system running the EMI self-test program "IBM Pattern V1.8" by windows XP and sent "H" character to Flat Panel Color Monitor (EUT) through VGA card, the screen displayed and filled with "H" pattern by EUT's resolution via D-Sub or DVI input.
- 2.5.5. The PC system played a CD-music disk and sent the sound to earphone link to EUT.
- 2.5.6. The PC system read data from USB Storage Media and write data into USB Storage Media through the USB port of Flat Panel Color Monitor (EUT).
- 2.5.7. Repeat the above procedures from 2.5.3 to 2.5.6.
- 2.5.8. The other peripheral devices were driven and operated in turn during all testing.

### 2.6. Test Procedure

The EUT was put on table which was above the ground by 80cm and its power cord was connected to the power mains through a line impedance stabilization network (L.I.S.N. #1) and the other peripheral devices power cord were connected to the power mains through a line impedance stabilization network (L.I.S.N. #2) This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions simulators of the interface cables were manipulated according to FCC ANSI C63.4-2003 during conducted measurement.

The bandwidth of the R&S Test Receiver ESHS10 was set at 10kHz.

The frequency range from 0.15MHz to 30MHz was pre-scanned with a peak detector.

The all final readings from test receiver were measured with Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

### 2.7. Conducted Emission Measurement Results

**PASSED.** All the emissions not reported are below too low against the prescribed limits.

EUT with following test modes were performed during conducted testing and all the test results are attached in next pages.

EUT: Flat Panel Color Monitor

M/N: 200W6

Test Date: Mar. 03, 2005 Temperature: 16°C Humidity: 69%

	G : 1N				Reference Test Data No.		
Mode	Serial No.	LCD Panel	Input Port	Resolution/ Frequency	Neutral	Line	
1.				640*480/60Hz, 31kHz	# 26.	# 25.	
2.			DSuk	1024*768/75Hz, 60kHz	# 27.	# 28.	
3.			D-300	1680*1050/60Hz, 66kHz	# 30.	# 29.	
4.	TV0405001	LPL		1600*1200/75Hz, 94kHz	# 31.	# 32.	
5.	1 Y 0405001	(LM204W01)		640*480/60Hz, 31kHz	# 23.	# 24.	
6.			DVI	1024*768/60Hz, 48kHz	# 22.	# 21.	
7.				1680*1050/60Hz, 66kHz	# 19.	# 20.	
8.				1600*1200/60Hz, 75kHz	# 18.	# 17.	
9.				640*480/60Hz, 31kHz	# 39.	# 40.	
10.			DSuk	1024*768/75Hz, 60kHz	# 38.	# 37.	
11.			D-Sub	1680*1050/60Hz, 66kHz	# 35.	# 36.	
12.	TV0405076	AUO		1600*1200/75Hz, 94kHz	# 34.	# 33.	
13.	I Y 0405026	(M201EW01)		640*480/60Hz, 31kHz	# 42.	# 41.	
14.			DVI	1024*768/60Hz, 48kHz	# 43.	# 44.	
15.			DVI	1680*1050/60Hz, 66kHz	# 46.	# 45.	
16.				1600*1200/60Hz, 75kHz	# 47.	# 48.	

The details of test modes are as follows:





: NO.4 Shielded Room	Data :	26
: KNW-407	Phase :	NEUTRAL
: FCC 15B-B		
: 16*C ; 69% / ESHS10	Engineer:	Alex Yen
: Flat Panel Color Monitor M/	N:200W6	
: 120Vac/60Hz		
: 640*480 / 60Hz 31kHz(D-SUB S/N:TY0405001	)	
	: NO.4 Shielded Room : KNW-407 : FCC 15B-B : 16*C ; 69% / ESHS10 : Flat Panel Color Monitor M/ : 120Vac/60Hz : 640*480 / 60Hz 31kHz(D-SUB S/N:TY0405001	: NO.4 Shielded Room Data : : KNW-407 Phase : : FCC 15B-B : 16*C ; 69% / ESHS10 Engineer: : Flat Panel Color Monitor M/N:200W6 : 120Vac/60Hz : 640*480 / 60Hz 31kHz(D-SUB) S/N:TY0405001

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB <i>µ</i> V)	Margin (dB)	Remark
1	0.182	0.23	0.21	47.01	47.45	64.42	16.96	QP
2	0.365	0.11	0.25	43.06	43.43	58.61	15.18	QP
3	0.546	0.10	0.29	41.94	42.34	56.00	13.66	QP
4	0.904	0.10	0.38	39.28	39.76	56.00	16.24	QP
5	2.962	0.10	0.53	29.54	30.17	56.00	25.83	QP
6	13.127	0.20	0.70	36.87	37.77	60.00	22.24	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition Limit	:	NO.4 Shielded Room KNW-407 FCC 15B-B	Data Phase	:	25 LINE
Env. / Ins. EUT	:	16*C; 69% / ESHS10 Flat Panel Color Monitor M/M	Engineer M:200W6	:	Alex Yen
Power Rating Test Mode	:	120Vac/60Hz 640*480 / 60Hz 31kHz(D-SUB) S/N:TY0405001			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.183	0.23	0.21	46.79	47.23	64.33	17.10	QP
2	0.363	0.11	0.25	43.32	43.69	58.65	14.97	QP
3	0.724	0.10	0.34	43.58	44.02	56.00	11.98	QP
4	1.359	0.10	0.42	41.72	42.25	56.00	13.76	QP
5	3.901	0.10	0.59	39.97	40.66	56.00	15.34	QP
6	13.768	0.18	0.70	35.64	36.51	60.00	23.49	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition	:	NO.4 Shielded Room KNW-407		Data Phase	:	27 NEUTRAL
Limit	:	FCC 15B-B				
Env. / Ins.	:	16*C ; 69% / ESHS10		Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor	M/N	:200₩6		
Power Rating	:	120Vac/60Hz				
Test Mode	:	1024*768 / 75Hz 60kHz(D- s/N:TY0405001	-SUB	)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.180	0.24	0.21	46.41	46.86	64.50	17.65	QP
3	0.365 0.546	0.11	0.25 0.29	43.70 42.36	44.07 42.76	58.61 56.00	14.54 13.24	QP QP
4 5	0.904 2.334	0.10 0.10	0.38 0.49	39.51 32.05	39.99 32.64	56.00 56.00	16.01 23.36	QP QP
6	13.267	0.20	0.70	34.06	34.96	60.00	25.04	 QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition Limit	:	NO.4 Shielded Room KNW-407 FCC 15B-B	Data Phase	:	28 LINE
Env. / Ins. EUT	:	16*C ; 69% / ESHS10 Flat Panel Color Monitor M/D	Engineer N:200W6	:	Alex Yen
Power Rating Test Mode	:	120Vac/60Hz 1024*768 / 75Hz 60kHz(D-SU S/N:TY0405001	3)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.183	0.23	0.21	46.74	47.18	64.33	17.15	QP
2	0.365 0.724	U.11 0.10	0.25 0.34	42.38 43.40	42.75 43.84	58.61 56.00	15.86 12.16	QP OP
4	1.359	0.10	0.42	41.78	42.31	56.00	13.70	QP
5	3.901	0.10	0.59	40.01	40.70	56.00	15.30	QP
6	10.452	U.11	U.70	38.05	38.86	60.00	21.14	QP 

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	30
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	::	Alex Yen
EUT	:	Flat Panel Color Monitor M/	/N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1680*1050 / 60Hz 66kHz(D-8 s/N:TY0405001	BUB)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.182	0.23	0.21	46.83	47.27	64.42	17.14	QP
2	0.365	0.11	0.25	42.92	43.29	58.61	15.32	QP
3	0.546	0.10	0.29	40.88	41.28	56.00	14.72	QP
4	0.904	0.10	0.38	39.70	40.18	56.00	15.82	QP
5	2.178	0.10	0.48	40.49	41.07	56.00	14.93	QP
6	10.452	0.20	0.70	37.36	38.26	60.00	21.74	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	29
Condition	:	KNW-407	Phase	:	LINE
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	::	Alex Yen
EUT	:	Flat Panel Color Monitor M/	N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1680*1050 / 60Hz 66kHz(D-8 s/N:TY0405001	UB)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1	0.180	0.24	0.21	46.89	47.34	64.50	17.17	QP
2	0.363	0.11	0.25	43.26	43.63	58.65	15.03	QP
3	0.546	0.10	0.29	41.43	41.83	56.00	14.17	QP
4	0.724	0.10	0.34	43.46	43.90	56.00	12.10	QP
5	2.358	0.10	0.49	40.65	41.24	56.00	14.76	QP
6	6.454	0.10	0.64	38.94	39.68	60.00	20.32	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	31
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer		Alex Yen
EUT	:	Flat Panel Color Monitor M/	N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1600*1200 / 75Hz 94kHz(D-S S/N:TY0405001	UB)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB <i>µ</i> V)	Margin (dB)	Remark
1	0.184	0.23	0.21	45.71	46.15	64.28	18.14	QP
2	0.363	0.11	0.25	44.42	44.79	58.65	13.87	QP
3	0.546	0.10	0.29	42.61	43.01	56.00	12.99	QP
4	0.914	0.10	0.38	34.29	34.77	56.00	21.23	QP
5	1.374	0.10	0.43	30.23	30.76	56.00	25.24	QP
6	6.698	0.16	0.65	36.13	36.93	60.00	23.07	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition Limit	:	NO.4 Shielded Room KNW-407 FCC 15B-B	Data Phase	:	32 LINE
Env. / Ins. EUT	:	16*C ; 69% / ESHS10 Flat Panel Color Monitor M/M	Engineer M:200W6	:	Alex Yen
Power Rating Test Mode	:	120Vac/60Hz 1600*1200 / 75Hz 94kHz(D-SU S/N:TY0405001	JB)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1 2 3 4 5	0.183 0.363 0.724 1.725 3.759	0.23 0.11 0.10 0.10 0.10	0.21 0.25 0.34 0.45 0.58	46.68 43.34 43.44 40.86 32 73	47.12 43.71 43.88 41.41 33.41	64.33 58.65 56.00 56.00	17.21 14.95 12.12 14.59 22.59	QP QP QP QP
6	13.623	0.18	0.30	31.02	31.90	60.00	28.10	QP 

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	23
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor M/H	N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	640*480 / 60Hz 31kHz(DVI) s/n:TY0405001			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.183	0.23	0.21	46.45	46.89	64.33	17.44	QP
2	0.360	0.12	0.25	42.84	43.21	58.74	15.53	QP
3	0.546	0.10	0.29	41.82	42.22	56.00	13.78	QP
4	0.904	0.10	0.38	39.54	40.02	56.00	15.98	QP
5	2.540	0.10	0.50	39.62	40.22	56.00	15.78	QP
6	5.805	0.14	0.63	38.74	39.51	60.00	20.49	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	: NO.4 Shielded Room	Data :	24
Condition	: KNW-407	Phase :	LINE
Limit	: FCC 15B-B		
Env. / Ins.	: 16*C ; 69% / ESHS10	Engineer:	Alex Yen
EUT	: Flat Panel Color Monitor M/	N:200W6	
Power Rating	: 120Vac/60Hz		
Test Mode	: 640*480 / 60Hz 31kHz(DVI) s/N:TY0405001		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.184	0.23	0.21	46.49	46.93	64.28	17.36	QP
Z	0.360	0.12	0.25	41.68	42.05	58.74	16.69	QP
3	0.724	0.10	0.34	43.54	43.98	56.00	12.02	QP
4	1.359	0.10	0.42	41.68	42.21	56.00	13.80	QP
5	2.993	0.10	0.53	40.14	40.77	56.00	15.23	QP
6	7.368	0.10	0.66	33.14	33.90	60.00	26.10	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room		Data	:	22
Condition	:	KNW-407		Phase	:	NEUTRAL
Limit	:	FCC 15B-B				
Env. / Ins.	:	16*C ; 69% / ESHS10		Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor	M/N	:200₩6		
Power Rating	:	120Vac/60Hz				
Test Mode	:	1024*768 / 60Hz 48kHz(DV s/N:TY0405001	VI)			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.183	0.23	0.21	45.92	46.36	64.33	17.97	QP
2	0.360	0.12	0.25	43.46	43.83	58.74	14.91	QP
3	0.546	0.10	0.29	41.87	42.27	56.00	13.73	QP
4	0.914	0.10	0.38	36.76	37.24	56.00	18.76	QP
5	2.358	0.10	0.49	40.49	41.08	56.00	14.92	QP
6	7.137	0.16	0.65	34.81	35.63	60.00	24.37	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room		Data	:	21
Condition	:	KNW-407		Phase	:	LINE
Limit	:	FCC 15B-B				
Env. / Ins.	:	16*C ; 69% / ESHS10		Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monito	r M/I	N:200W6		
Power Rating	:	120Vac/60Hz				
Test Mode	:	1024*768 / 60Hz 48kHz( s/N:TY0405001	DVI)			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.182	0.23	0.21	47.55	47.99	64.42	16.42	QP
2	0.363	0.11	0.25	43.28	43.65	58.65	15.01	QP
3	0.724	0.10	0.34	43.54	43.98	56.00	12.02	QP
4	1.535	0.10	0.44	35.32	35.86	56.00	20.14	QP
5	3.922	0.10	0.59	32.42	33.12	56.00	22.89	QP
6	7.213	0.10	0.65	34.84	35.59	60.00	24.41	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	: NO.4 Shielded Room	Data :	19
Condition	: KNW-407	Phase :	NEUTRAL
Limit	: FCC 15B-B		
Env. / Ins.	: 16*C ; 69% / ESHS10	Engineer:	Alex Yen
EUT	: Flat Panel Color Monitor M/	N:200W6	
Power Rating	: 120Vac/60Hz		
Test Mode	: 1680*1050 / 60Hz 66kHz(DVI s/N:TY0405001	)	

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1 2 3 4 5	0.180 0.360 0.546 1.359 2.824	0.24 0.12 0.10 0.10 0.10	0.21 0.25 0.29 0.42	46.25 43.24 41.70 42.42 34.61	46.70 43.61 42.10 42.95 35.23	64.50 58.74 56.00 56.00 56.00	17.81 15.13 13.90 13.06 20.77	QP QP QP QP
6	7.290	0.10	0.66	37.29	38.11	60.00	21.89	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	20
Condition	:	KNW-407	Phase	:	LINE
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor M/M	1:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1680*1050 / 60Hz 66kHz(DVI) s/N:TY0405001			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.183	0.23	0.21	46.78	47.22	64.33	17.11	QP
2	0.363	0.11	0.25	43.32	43.69	58.65	14.97	QP
3	0.546	0.10	0.29	41.06	41.45	56.00	14.55	QP
4	0.918	0.10	0.38	33.39	33.86	56.00	22.14	QP
5	1.359	0.10	0.42	41.64	42.17	56.00	13.84	QP
6	5.683	0.10	0.63	35.74	36.47	60.00	23.53	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	18
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor M/	N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1600*1200 / 60Hz 75KHz(DVI s/N:TY0405001	)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1	0.184	0.23	0.21	46.75	47.19	64.28	17.10	QP
2	0.363	0.11	0.25	44.28	44.65	58.65	14.01	QP
3	0.546	0.10	0.29	42.72	43.12	56.00	12.88	QP
4	0.724	0.10	0.34	43.08	43.52	56.00	12.48	QP
5	3.009	0.10	0.53	35.86	36.50	56.00	19.51	QP
6	7.213	0.16	0.65	33.25	34.07	60.00	25.93	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition Limit	::	NO.4 Shielded Room KNW-407 FCC 15B-B	Data Phase	:	17 LINE
Env. / Ins. EUT	:	16*C ; 69% / ESHS10 Flat Panel Color Monitor M/M	Engineer M:200W6	:	Alex Yen
Power Rating Test Mode	:	120Vac/60Hz 1600*1200 / 60Hz 75KHz(DVI) s/N:TY0405001			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1	0.182	0.23	0.21	47.61	48.05	64.42	16.36	QP
2	0.360	0.12	0.25	41.92	42.29	58.74	16.45	QP
3	0.546	0.10	0.29	41.77	42.17	56.00	13.83	QP
4	0.731	0.10	0.34	40.00	40.44	56.00	15.56	QP
5	2.993	0.10	0.53	41.56	42.19	56.00	13.81	QP
6	6.454	0.10	0.64	40.82	41.56	60.00	18.44	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	39
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer		Alex Yen
EUT	:	Flat Panel Color Monitor M/1	N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	640*480 / 60Hz 31kHz(D-SUB) s/n:TY0405026	)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1 2 3 4 5	0.183 0.365 0.546 1.191 2.692	0.23 0.11 0.10 0.10 0.10	0.21 0.25 0.29 0.41 0.51	45.88 44.96 41.67 42.49 32.03	46.32 45.33 42.06 43.00 32.64	64.33 58.61 56.00 56.00 56.00	18.01 13.28 13.94 13.00 23.36	QP QP QP QP QP
6	7.213	0.16	0.65	42.78	43.60	60.00	16.40	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	40
Condition	:	KNW-407	Phase	:	LINE
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Enginee	r:	Alex Yen
EUT	:	Flat Panel Color Monitor M,	/N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	640*480 / 60Hz 31kHz(D-SU s/N:TY0405026	B)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1	0.183	0.23	0.21	46.86	47.30	64.33	17.03	QP
2	0.369	0.11	0.25	43.68	44.04	58.52	14.47	QP
3	0.552	0.10	0.29	41.92	42.32	56.00	13.68	QP
4	1.191	0.10	0.41	42.81	43.32	56.00	12.68	QP
5	3.759	0.10	0.58	35.21	35.89	56.00	20.11	QP
6	7.368	0.10	0.66	39.00	39.76	60.00	20.24	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	: NO.4 Shielded Room	Data : 38	
Condition	: KNW-407	Phase : NEUTRAL	
Limit	: FCC 15B-B		
Env. / Ins.	: 16*C ; 69% / ESHS10	Engineer: Alex Yen	
EUT	: Flat Panel Color Monitor M/	N:200W6	
Power Rating	: 120Vac/60Hz		
Test Mode	: 1280*1024 / 75Hz 60kHz(D-S S/N:TY0405026	UB)	

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark	
1	L 0.184	0.23	0.21	46.37	46.81	64.28	17.48	QP	
2	2 0.363	0.11	0.25	41.80	42.17	58.65	16.49	QP	
3	3 0.546	0.10	0.29	43.14	43.54	56.00	12.46	QP	
- 4	ł 1.191	0.10	0.41	42.51	43.02	56.00	12.98	QP	
5	5 2.487	0.10	0.50	35.28	35.88	56.00	20.13	QP	
6	5 7.213	0.16	0.65	43.24	44.06	60.00	15.94	QP	

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition Limit	:	NO.4 Shielded Room KNW-407 FCC 15B-B	Data Phase	:	37 LINE
Env. / Ins. EUT	:	16*C ; 69% / ESHS10 Flat Panel Color Monitor M/M	Engineer N:200W6	:	Alex Yen
Power Rating Test Mode	:	120Vac/60Hz 1280*1024 / 75Hz 60kHz(D-SU S/N:TY0405026	JB)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1	0.183	0.23	0.21	47.13	47.57	64.33	16.76	QP
2	0.369	0.11	0.25	43.92	44.28	58.52	14.23	QP
3	0.552	0.10	0.29	42.76	43.16	56.00	12.84	QP
4	1.191	0.10	0.41	41.55	42.06	56.00	13.94	QP
5	4.006	0.10	0.60	36.49	37.19	56.00	18.81	QP
6	8.916	0.10	0.68	35.34	36.12	60.00	23.88	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	35
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	::	Alex Yen
EUT	:	Flat Panel Color Monitor M/	N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1680*1050 / 60Hz 66kHz(D-S S/N:TY0405026	UB)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB <i>µ</i> V)	Margin (dB)	Remark
1	0.184	0.23	0.21	46.33	46.77	64.28	17.52	QP
2	0.365	0.11	0.25	44.82	45.19	58.61	13.42	QP
3	0.552	0.10	0.29	44.16	44.56	56.00	11.44	QP
4	1.197	0.10	0.41	41.53	42.04	56.00	13.96	QP
5	7.100	0.16	0.65	36.91	37.72	60.00	22.28	QP
6	11.807	0.20	0.70	37.00	37.90	60.00	22.10	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition Limit	:	NO.4 Shielded Room KNW-407 FCC 15B-B	Data Phase	:	36 LINE	
Env. / Ins. EUT	:	16*C ; 69% / ESHS10 Flat Panel Color Monitor M/M	Engineer N:200W6	:	Alex Yen	
Power Rating	:	120Vac/60Hz				
Test Mode : 1680*1050 / 60Hz 66kHz(D-SUB) s/N:TY0405026						

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB <i>µ</i> V)	Margin (dB)	Remark
1	0.186	0.22	0.21	46.71	47.14	64.20	17.05	QP
2	0.365	0.11	0.25	43.94	44.31	58.61	14.30	QP
3	0.552	0.10	0.29	43.02	43.42	56.00	12.58	QP
4	1.210	0.10	0.41	31.76	32.27	56.00	23.73	QP
5	5.221	0.10	0.62	33.97	34.69	60.00	25.31	QP
6	11.807	0.14	0.70	34.41	35.25	60.00	24.75	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	: NO.4 Shielded Room	Data :	34
Condition	: KNW-407	Phase :	NEUTRAL
Limit	: FCC 15B-B		
Env. / Ins.	: 16*C ; 69% / ESHS10	Engineer:	Alex Yen
EUT	: Flat Panel Color Monitor M/	'N:200W6	
Power Rating	: 120Vac/60Hz		
Test Mode	: 1600*1200 / 75Hz 94kHz(D-s	BUB)	
	5/N:T10403026		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.184	0.23	0.21	47.07	47.51	64.28	16.78	QP
Z	0.369	0.11	0.25	45.35	45.71	58.52	12.80	QP
3	0.552	0.10	0.29	44.50	44.90	56.00	11.10	QP
4	0.739	0.10	0.34	39.35	39.79	56.00	16.21	QP
5	1.197	0.10	0.41	41.77	42.28	56.00	13.72	QP
6	7.810	0.17	0.66	36.10	36.94	60.00	23.06	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	33	
Condition	:	KNW-407	Phase	:	LINE	
Limit	:	FCC 15B-B				
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen	
EUT	:	Flat Panel Color Monitor M/M	J:200W6			
Power Rating	:	120Vac/60Hz				
Fest Mode : 1600*1200 / 75Hz 94kHz(D-SUB) S/N:TY0405026						

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1	0.183	0.23	0.21	48.08	48.52	64.33	15.81	QP
2	0.369	0.11	0.25	44.34	44.70	58.52	13.81	QP
3	0.552	0.10	0.29	44.16	44.56	56.00	11.44	QP
4	0.792	0.10	0.35	27.03	27.48	56.00	28.52	QP
5	1.210	0.10	0.41	31.60	32.11	56.00	23.89	QP
6	7.566	0.10	0.66	35.75	36.51	60.00	23.49	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	42
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor M/M	√:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	640*480 / 60Hz 31kHz(DVI) s/n:TY0405026			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.182	0.23	0.21	45.77	46.21	64.42	18.20	QP
2	0.363	0.11	0.25	43.72	44.09	58.65	14.57	QP
3	0.546	0.10	0.29	43.55	43.95	56.00	12.05	QP
4	1.191	0.10	0.41	43.11	43.62	56.00	12.38	QP
5	2.931	0.10	0.53	39.86	40.49	56.00	15.51	QP
6	8.916	0.19	0.68	40.22	41.09	60.00	18.91	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.




Site	:	NO.4 Shielded Room	Data	:	41
Condition	:	KNW-407	Phase	:	LINE
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor M/M	1:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	640*480 / 60Hz 31kHz(DVI) s/N:TY0405026			

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB <i>µ</i> V)	Margin (dB)	Remark
1	0.184	0.23	0.21	46.89	47.33	64.28	16.96	QP
2	0.365	0.11	0.25	44.06	44.43	58.61	14.18	QP
3	0.546	0.10	0.29	42.81	43.21	56.00	12.79	QP
4	1.191	0.10	0.41	43.21	43.72	56.00	12.28	QP
5	2.931	0.10	0.53	40.64	41.27	56.00	14.73	QP
6	9.809	0.10	0.70	41.06	41.86	60.00	18.14	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	D	ata	:	43	
Condition	:	KNW-407	F	hase	:	NEUTRAL	
Limit	:	FCC 15B-B					
Env. / Ins.	:	16*C ; 69% / ESHS10	E	ngineer	:	Alex Yen	
EUT	:	Flat Panel Color Monitor 1	M/N:	200₩6			
Power Rating	:	120Vac/60Hz					
Test Mode	:	1024*768 / 60Hz 48kHz(DV s/N:TY0405026	I)				

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.186	0.22	0.21	43.96	44.39	64.20	19.81	QP
2	0.363	0.11	0.25	42.20	42.57	58.65	16.09	QP
3	0.546	0.10	0.29	43.46	43.86	56.00	12.14	QP
4	0.724	0.10	0.34	39.50	39.94	56.00	16.06	QP
5	2.900	0.10	0.53	28.65	29.28	56.00	26.72	QP
6	9.603	0.20	0.69	33.89	34.78	60.00	25.22	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Roo	om	Data	:	44
Condition	:	KNW-407		Phase	:	LINE
Limit	:	FCC 15B-B				
Env. / Ins.	:	16*C ; 69% / ESH	HS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color	Monitor M/N	1:200W6		
Power Rating	:	120Vac/60Hz				
Test Mode	:	1024*768 / 60Hz	48kHz(DVI)			
		S/N:TY0405026				

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.184	0.23	0.21	46.87	47.31	64.28	16.98	QP
2	0.369	0.11	0.25	41.72	42.08	58.52	16.43	QP
3	0.552	0.10	0.29	41.10	41.50	56.00	14.50	QP
4	1.654	0.10	0.44	35.75	36.29	56.00	19.71	QP
5	4.407	0.10	0.61	36.82	37.52	56.00	18.48	QP
6	7.137	0.10	0.65	37.09	37.84	60.00	22.16	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site Condition	:	NO.4 Shielded Room KNW-407	Data Phase	:	46 NEUTRAL				
Limit	:	'CC 15B-B							
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen				
EUT	:	Flat Panel Color Monitor M/M	√:200W6						
Power Rating	:	120Vac/60Hz							
Test Mode	:	1680*1050 / 60Hz 66kHz(DVI) s/N:TY0405026	I						

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.182	0.23	0.21	46.49	46.93	64.42	17.48	QP
2	0.365	0.11	0.25	44.92	45.29	58.61	13.32	QP
3	0.555	0.10	0.29	33.95	34.34	56.00	21.66	QP
4	0.731	0.10	0.34	43.68	44.12	56.00	11.88	QP
5	3.258	0.10	0.55	28.58	29.23	56.00	26.77	QP
6	10.564	0.20	0.70	36.15	37.05	60.00	22.95	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	45			
Condition	:	KNW-407	Phase	:	LINE			
Limit	:	CC 15B-B						
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen			
EUT	:	Flat Panel Color Monitor M/M	1:200W6					
Power Rating	:	120Vac/60Hz						
Test Mode	:	1680*1050 / 60Hz 66kHz(DVI) s/N:TY0405026						

Freq. Factor Loss Reading Level Limits Margin Remark (MHz) (dB) (dB) (dB $\mu$ V) (dB $\mu$ V) (dB $\mu$ V) (dB)	
1 0.183 0.23 0.21 46.64 47.08 64.33 17.25 QP	
2 0.365 0.11 0.25 43.90 44.27 58.61 14.34 QP	
3 0.552 0.10 0.29 40.12 40.52 56.00 15.48 QP	
4 1.191 0.10 0.41 43.21 43.72 56.00 12.28 QP	
5 4.247 0.10 0.60 40.27 40.97 56.00 15.03 QP	
6 10.847 0.12 0.70 34.88 35.69 60.00 24.31 QP	

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	47
Condition	:	KNW-407	Phase	:	NEUTRAL
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor M/	N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1600*1200 / 60Hz 75KHz(DVI s/n:TY0405026	)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dB	Margin (dB)	Remark
1	0.184	0.23	0.21	45.85	46.29	64.28	18.00	QP
2	0.369	0.11	0.25	44.04	44.40	58.52	14.11	QP
3	0.546	0.10	0.29	44.16	44.56	56.00	11.44	QP
4	0.720	0.10	0.34	34.56	35.00	56.00	21.00	QP
5	2.962	0.10	0.53	33.57	34.20	56.00	21.80	QP
6	7.290	0.17	0.66	35.53	36.35	60.00	23.65	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.





Site	:	NO.4 Shielded Room	Data	:	48
Condition	:	KNW-407	Phase	:	LINE
Limit	:	FCC 15B-B			
Env. / Ins.	:	16*C ; 69% / ESHS10	Engineer	:	Alex Yen
EUT	:	Flat Panel Color Monitor M,	/N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1600*1200 / 60Hz 75KHz(DV s/n:TY0405026	I)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.183	0.23	0.21	46.53	46.97	64.33	17.36	QP
2	0.363	0.11	0.25	43.00	43.37	58.65	15.29	QP
3	0.546	0.10	0.29	42.88	43.28	56.00	12.72	QP
4	1.645	0.10	0.44	43.20	43.74	56.00	12.26	OP
5	4.247	0.10	0.60	39.49	40.19	56.00	15.81	QP
6	7.137		0.65	36.97	37.72	60.00	22.28	QP

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

### **3. RADIATED EMISSION MEASUREMENT**

The following test equipment was used during the radiated emission measurement :

Item	Туре	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Anritsu	MS2601B	MT73069	Jul. 27, 04'	Jul. 26,05'
2.	Pre-Amplifier	HP	8447D	2944A06669	Jul. 27, 04'	Jul. 26, 05'
3.	Bilog Antenna (30-2000MHz)	Schwarzbeck	CBL6112B	2818	May 18, 04'	May 17, 05'

3.1.1. For 30MHz~1000MHz Frequency (At Simple Anechoic Chamber)

3.1.2.	For 30MHz~1000MHz Fi	requency (At No.	4 Open Area	Test Site)
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Item	Туре	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESVS10	845165/018	Jun. 14, 04'	Jun. 13, 05'
2.	Biconical Antenna	Chase	VBA6106A	1231	Nov. 15, 04'	Nov. 14, 05'
3.	Log Periodic Antenna	Chase	UPA6109	1020	Nov. 15, 04'	Nov. 14, 05'

3.1.3. For 1GHz~2GHz Frequency (At No. 4 Open Area Test Site)

Item	Туре	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00272	Jun.07, 04'	Jun 06, 05'
2.	Amplifier	HP	8449B	3008A01284	Jul. 02, 04'	Jul. 01, 05'
3.	Horn Antenna	EMCO	3115	9609-4927	Jul. 06, 04'	Jul. 05, 05'

#### 3.2. Block Diagram of Test Setup

#### 3.2.1. Block Diagram of connection between EUT and simulators



a: D-Sub Cable b: DVI Cable c: USB Cable d:Audio Cable

3.2.2. Simple Anechoic Chamber (3m) & Open Area Test Site (10m) Setup Diagram for 30-1000MHz



3.2.3. Open Area Test Site Setup Diagram (3m) for 1-2GHz



#### 3.3. Radiation Limit (§15.109/CISPR 22, Class B)

All emanations from a class B computing devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMITS
(MHz)	(Meters)	(dBµV/m)
30~230	10 (3)	30 (40)
230 ~ 1000	10 (3)	37 (47)
Above 1GHz	3	74.0 (Peak)
Above 1GHz	3	54.0 (Average)

Note: (1) The tighter limit applies at the edge between two frequency bands.

(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the E.U.T.

- (3) There is no over 1GHz limits in CISPR 22 standard. Therefor, a FCC limit is used based on CFR 47 Part 15.35 (b) and Part 15.109 (a), (g).
- (4) The 3m limit apply relation: L2 = L1(d1/d2)

#### 3.4. EUT's Configuration during Compliance Measurement

The configuration of EUT and its supporting system were same as those used in conducted measurement. Please refer to section 2.4.

#### 3.5. Operating Condition of EUT

Same as conducted measurement which is listed in 2.5., except the test set up replaced by section 3.2.

#### 3.6. Test Procedure

3.6.1. For frequency range 30MHz-1000MHz measurement at distance of 10m at open area test site and 3m at simple anechoic chamber:

The EUT and its simulators were placed on a turn table which was 0.8 meter above ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT was set 10 meters (or 3 meters) away from the receiving antenna which was mounted on a antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna at open area test site, bilog antenna at simple anechoic chamber) and dipole antenna were used as receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4-2003 and CISPR 22 on radiated measurement.

The bandwidth of the R&S Test Receiver ESVS10 was set at 120kHz. The frequency range from 30MHz to 1000MHz was pre-scanned with Peak detector at simple anechoic chamber and all final readings of measurement were with Quasi-Peak detector at open area test site. 3.6.2. For frequency range 1GHz-2GHz measurement at distance of 3m at open area test site:

The EUT and its simulators were placed on a turn table which was 0.8 meter above ground. The turn table rotated 360 degrees to determine the position of the maximum emission level, EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. The antenna was fixed at 1 meter high (maximum emission level receiving position) above the ground. A calibrated Horn Antenna was used as a receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement, and both average and peak emission level were recorded form spectrum analyzer. In order to find the maximum emission level, all the interface cables were manipulated according to ANSI C63.4-2003 on radiated measurement.

The resolution bandwidth of spectrum analyzer 8593EM was set at 1MHz.

The frequency range from 1GHz to 2GHz was pre-scanned and all final readings of measurement were with Peak detector and Average detector at open area test.

3.7. Radiated Emission Measurement Results

**PASSED.** All emissions not reported below are too low against the prescribed limits.

EUT: Flat Panel Color Monitor M/N: 200W6

#### For 30MHz~1000MHz Frequency Range:

EUT with the following test modes were measured within Simple Anechoic Chamber and all the scanning waveform were attached within Appendix I, which include:

Test Date: Mar. 01, 2005 Temperature: 23°C Humidity: 51%

The details of test modes are as follows:

N 1	do Sorial No. I CD Panal Input Port Possibilition/			Reference Test Data No		
Mode	Serial No.	LCD Panel	Input Port	Input Port Resolution/ Frequency		Vertical
1.				640*480/60Hz, 31kHz	# 23.	# 24.
2.			D Sub	1024*768/75Hz, 60kHz	# 22.	# 21.
3.			D-Sub	1680*1050/60Hz, 66kHz	# 19.	# 20.
4.	TY0405001	LPL		1600*1200/75Hz, 94kHz	# 18.	# 17.
5.	110405001	(LM204W01)		640*480/60Hz, 31kHz	# 26.	# 25.
6.			DVI	1024*768/60Hz, 48kHz	# 27.	# 28.
7.			DVI	1680*1050/60Hz, 66kHz	# 30.	# 29.
8.				1600*1200/60Hz, 75kHz	# 31.	# 32.

			I D		Reference Test Data No.		
Mode	Serial No.	LCD Panel	Input Port Resolution/ Frequency		Horizontal	Vertical	
9.			D-Sub	640*480/60Hz, 31kHz	# 7.	# 8.	
10.		AUO		1024*768/75Hz, 60kHz	# 10.	# 9.	
11.				1680*1050/60Hz, 66kHz	# 14.	# 13.	
12.	TV0405076			1600*1200/75Hz, 94kHz	# 11.	# 12.	
13.	1 1 0403020	(M201EW01)		640*480/60Hz, 31kHz	# 6.	# 5.	
14.			DVI	1024*768/60Hz, 48kHz	# 3.	# 4.	
15.			DVI	1680*1050/60Hz, 66kHz	# 15.	# 16.	
16.				1600*1200/60Hz, 75kHz	# 2.	# 1.	

Finally, re-measured the test modes [Mode 8 & 16] at No. 4 open area test site and all the test results are attached in section 3.7.1.

Test Date : Mar. 02, 2005 Temperature : 17°C Humidity : 65%

The details of test modes are as follows: (maximum detected emission)

	G . 1 M		Lunut Dart Dart http://Engrand		Reference Test Data No.			
Mode	Serial No.	LCD Panel	Input Port	Resolution/ Frequency	Horizontal	Vertical		
8.	TY0405001	LPL (LM204W01)	DVI	1600*1200/60Hz, 75kHz	# 1.	# 2.		
16.	TY0405026	AUO (M201EW01)	DVI	1600*1200/60Hz, 75kHz	# 4.	# 3.		

#### For 1GHz~2GHz Frequency Range:

To selected the worst test modes [Mode 8 & 16] performed measurement at No. 4 open area test site from 1GHz to 2GHz frequency range and all the test results are attached in section 3.7.2.

Test Date : Mar. 02, 2005 Temperature : 17°C Humidity : 65%

The details of test modes are as follows:

					Reference Test Data No.			
Mode Serial No.	LCD Panel	Input Port	Resolution/ Frequency	Horiz	zontal	Vertical		
		Peak	AV	Peak	AV			
8.	TY0405001	LPL (LM204W01)	DVI	1600*1200/60Hz, 75kHz	# 13.	# 14.	# 16.	# 15.
16.	TY0405026	AUO (M201EW01)	DVI	1600*1200/60Hz, 75kHz	# 12.	# 11.	# <b>9</b> .	# 10.

#### 3.7.1. 30MHz to 1000MHz Frequency Range Measurement Results



AUDIX Corp. EMC Laboratory No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443 Tel:+886-2-26092133 Fax:+886-2-26099303 Email:ttemc@ttemc.com.tw



SICC HO.	•	NO.I VILM SIIL	paca no.	•	-	
Dis. / Ant.	:	10m VBA6106A/UPA6109	Ant. pol.	:	HORIZONTAL	
Limit	:	CISPR 22 CLASS-B				
Env. / Ins.	:	17*C/65% ESVS10	Engineer	:	Tim	
EUT	:	Flat Panel Color Monitor	M/N:200W6			
Power Rating	:	120Vac/60Hz				
Test Mode	:	1600*1200/60Hz 75KHz(DVI)	)			
		S/N:TY0405001				

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	59.999	13.59	0.85	8.20	22.64	30.00	7.36	
2	120.127	18.97	1.11	3.60	23.68	30.00	6.32	
3	127.296	19.60	1.15	1.60	22.35	30.00	7.65	
4	168.249	21.11	1.37	-1.40	21.07	30.00	8.93	
5	189.066	21.06	1.64	0.20	22.91	30.00	7.09	
6	240.033	22.77	1.62	2.60	26.99	37.00	10.01	
7	357.820	15.37	2.11	11.76	29.23	37.00	7.77	
8	430.105	16.63	2.29	9.70	28.62	37.00	8.38	
9	480.044	17.95	2.42	9.25	29.62	37.00	7.38	
10	625.092	20.75	2.83	5.30	28.88	37.00	8.12	
11	669.416	22.11	2.96	3.77	28.84	37.00	8.16	
12	720.350	21.49	3.10	7.30	31.89	37.00	5.11	
13	756.739	23.11	3.20	3.16	29.47	37.00	7.53	
14	810.003	23.02	3.31	6.30	32.63	37.00	4.37	
15	826.288	23.95	3.34	1.43	28.72	37.00	8.28	
16	972.014	25.00	3.49	4.72	33.21	37.00	3.79	*
Remar	ks: 1. Em 2. Th 1i:	ission ) e emiss: mit are	Level= ion lev not re	Antenna vels that ported.	Factor + ( are 20dB	Cable Loss below the	8 + Read e offic:	ding. ial
	3. Th	e worst	emissi	on was de	tected at	972.014MHz	with c	orrected
	si	gnal leve	el of 33	.21dBµV/m	(limitis 3	7.0dBµV/m)	when the	e antenna

was at horizontal polarization and was at 1.5m high and the turn table was at 90°.

 0°was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna.





SICC HO.	. NO.I OLEM SILE	baca no.	
Dis. / Ant.	: 10m VBA6106A/UPA6109	Ant. pol.	: VERTICAL
Limit	: CISPR 22 CLASS-B		
Env. / Ins.	: 17*C/65% ESVS10	Engineer	: Tim
EUT	: Flat Panel Color Monitor M/	N:200W6	
Power Rating	: 120Vac/60Hz		
Test Mode	: 1600*1200/60Hz 75KHz(DVI)		
	S/N:TY0405001		

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	59.998	14.02	0.85	7.34	22.21	30.00	7.79	
2	120.102	18.21	1.11	1.57	20.90	30.00	9.10	
3	127.291	18.86	1.15	0.42	20.43	30.00	9.57	
4	168.287	21.40	1.37	-1.00	21.76	30.00	8.24	
5	189.051	22.12	1.64	2.02	25.78	30.00	4.22	
6	240.027	22.57	1.62	2.69	26.88	37.00	10.12	
7	357.895	15.29	2.11	13.55	30.95	37.00	6.05	
8	430.153	17.20	2.29	10.17	29.65	37.00	7.35	
9	480.063	18.40	2.42	7.58	28.40	37.00	8.60	
10	625.153	20.05	2.83	6.51	29.39	37.00	7.61	
11	669.614	21.73	2.96	5.18	29.86	37.00	7.14	
12	720.063	21.70	3.10	7.50	32.30	37.00	4.70	
13	756.756	23.44	3.20	3.22	29.86	37.00	7.14	
14	810.003	23.56	3.31	3.60	30.47	37.00	6.53	
15	826.256	24.10	3.34	1.12	28.56	37.00	8.44	
16	972.015	25.02	3.49	4.70	33.22	37.00	3.78	*
Remar	cks: 1. Em 2. The lin 3. The	ission 1 e emiss: mit are <b>e worst</b>	Level= ion lev not re emission	Antenna zels that eported. on was de	Factor + C are 20dB	Cable Loss below the 972.015MHz	+ Read offic: with c	ding. ial orrected
	si wa: tal	gnalleve s at ver ble was	elof24 tical p at 145	.76dBµV/m olarizat:	n (limitis 3 ion and was	7.0dBµV/m) at 2.5m h: -	when the igh and	eantenna the turn

 0°was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna.





Dis. / Ant.	:	10m VBA6106A/UPA6109	Ant. pol.	:	HORIZONTAL
Limit	:	CISPR 22 CLASS-B			
Env. / Ins.	:	17*C/65% ESVS10	Engineer	:	Tim
EUT	:	Flat Panel Color Monitor	M/N:200W6		
Power Rating	:	120Vac/60Hz			
Test Mode	:	1600*1200/60Hz 75KHz(DVI)	)		
		S/N:TY0405026			

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dB# V/m)	Limits (dB# V/m)	Margin Remark (dB)
							·
1	120.008	18.97	1.11	2.18	22.26	30.00	7.74
2	149.978	20.81	1.35	1.31	23.47	30.00	6.53
3	162.002	20.89	1.36	0.70	22.95	30.00	7.05
4	167.970	21.07	1.37	-1.12	21.31	30.00	8.69
5	180.029	21.10	1.48	-0.15	22.43	30.00	7.57
6	246.500	22.99	1.65	4.40	29.04	37.00	7.96
7	312.519	14.18	1.88	11.66	27.72	37.00	9.28
8	480.076	17.95	2.42	12.00	32.37	37.00	4.63 *
9	540.083	18.66	2.52	8.51	29.69	37.00	7.31
10	666.328	21.83	2.95	4.63	29.41	37.00	7.59
11	750.632	23.09	3.18	4.35	30.62	37.00	6.38
12	810.013	23.02	3.31	3.90	30.23	37.00	6.77
13	945.089	25.55	3.44	0.59	29.58	37.00	7.42
14	972.015	25.00	3.49	2.41	30.90	37.00	6.10
		 		·			

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- The emission levels that are 20dB below the official limit are not reported.
- 3. The worst emission was detected at 480.076MHz with corrected signal level of 32.37dB $\mu$ V/m (limitis 37.0dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 1.5m high and the turn table was at 160°.
- O°was the table front facing the antenna. Degree is calculated from O°clockwise facing the antenna.





Dis. / Ant.	: 10m VBA6106A/UPA6109	Ant. pol.	:	VERTICAL
Limit	: CISPR 22 CLASS-B			
Env. / Ins.	: 17*C/65% ESVS10	Engineer	:	Tim
EUT	: Flat Panel Color Monitor	M/N:200W6		
Power Rating	: 120Vac/60Hz			
Test Mode	: 1600*1200/60Hz 76KHz(DVI)			
	S/N:TY0405026			

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	$(dB \mu V)$	$(dB \mu V/m)$	$(dB  \mu  V/m)$	(dB)	
1	120.035	18.21	1.11	5.20	24.52	30.00	5.48	
2	149.955	20.48	1.35	0.50	22.33	30.00	7.67	
3	162.007	20.92	1.36	-1.00	21.28	30.00	8.72	
4	179.955	21.47	1.48	0.80	23.74	30.00	6.26	
5	245.950	23.13	1.65	4.10	28.88	37.00	8.12	
6	372.454	15.44	2.12	10.36	27.92	37.00	9.08	
7	480.074	18.40	2.42	8.57	29.39	37.00	7.61	
8	540.098	19.45	2.52	5.54	27.51	37.00	9.49	
9	674.852	22.12	2.96	3.65	28.73	37.00	8.27	
10	809.904	23.56	3.31	0.95	27.82	37.00	9.18	
11	945.001	25.39	3.44	0.63	29.46	37.00	7.54	
12	972.011	25.02	3.49	3.20	31.72	37.00	5.28	*

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

 The emission levels that are 20dB below the official limit are not reported.

- 3. The worst emission was detected at 972.011MHz with corrected signal level of 31.72dB $\mu$ V/m (limitis 37.0dB $\mu$ V/m) when the antenna was at vertical polarization and was at 2.5m high and the turn table was at 225°.
- 0°was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna.

#### 3.7.2. 1GHz to 2GHz Frequency Range Measurement Results



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	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1019.000	24.66	2.00	34.47	61.14	74.00	12.86	Peak
2	1347.000	25.54	2.05	35.67	63.26	74.00	10.74	Peak
3	1597.000	26.09	2.08	32.78	60.95	74.00	13.05	Peak
4	1631.000	26.15	2.08	29.80	58.03	74.00	15.97	Peak
5	1721.000	26.32	2.09	29.84	58.25	74.00	15.75	Peak
6	1928.000	26.68	2.11	31.91	60.70	74.00	13.30	Peak





	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Remark
1	1019.000	24.66	2.00	15.47	42.14	54.00	11.86	Average
2	1347.000	25.54	2.05	18.67	46.26	54.00	7.74	Average
3	1597.000	26.09	2.08	11.78	39.95	54.00	14.05	Average
4	1631.000	26.15	2.08	15.80	44.03	54.00	9.97	Average
5	1721.000	26.32	2.09	15.84	44.25	54.00	9.75	Average
6	1928.000	26.68	2.11	13.91	42.70	54.00	11.30	Average





	Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading $(dB \mu V)$	Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Remark
1	1122.000	24.97	2.02	32.54	59.53	74.00	14.47	Peak
2	1211.000	25.21	2.03	34.59	61.83	74.00	12.17	Peak
3	1438.000	25.76	2.06	31.71	59.53	74.00	14.47	Peak
4	1591.000	26.08	2.08	34.78	62.94	74.00	11.06	Peak
5	1722.000	26.32	2.09	33.84	62.25	74.00	11.75	Peak
6	1931.000	26.69	2.11	27.92	56.72	74.00	17.28	Peak





	freq. (MHz)	factor (dB/m)	Loss (dB)	(dB $\mu$ V)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1122.000	24.97	2.02	15.54	42.53	54.00	11.47	Average
2	1211.000	25.21	2.03	18.59	45.83	54.00	8.17	Average
3	1438.000	25.76	2.06	14.71	42.53	54.00	11.47	Average
4	1591.000	26.08	2.08	16.78	44.94	54.00	9.06	Average
5	1722.000	26.32	2.09	14.84	43.25	54.00	10.75	Average
6	1931.000	26.69	2.11	13.92	42.72	54.00	11.28	Average





2	1439.000	25.76	2.06	31.71	59.53	74.00	14.47	Peak
3	1529.000	25.95	2.07	28.75	56.77	74.00	17.23	Peak
4	1648.000	26.19	2.08	30.81	59.08	74.00	14.92	Peak
5	1821.000	26.50	2.10	28.87	57.47	74.00	16.53	Peak
6	1938.000	26.70	2.11	30.92	59.73	74.00	14.27	Peak





1	1123.000	24.97	2.02	12.54	39.53	54.00	14.47	Average
2	1439.000	25.76	2.06	15.71	43.53	54.00	10.47	Average
3	1529.000	25.95	2.07	12.75	40.77	54.00	13.23	Average
4	1648.000	26.19	2.08	13.81	42.08	54.00	11.92	Average
5	1821.000	26.50	2.10	14.87	43.47	54.00	10.53	Average
6	1938.000	26.70	2.11	14.92	43.73	54.00	10.27	Average





-	1000.000		0.01	00.10	001		20112	1	
2	1125.000	24.98	2.02	35.54	62.54	74.00	11.46	Peak	
3	1314.000	25.46	2.05	32.65	60.16	74.00	13.84	Peak	
4	1524.000	25.94	2.07	28.75	56.76	74.00	17.24	Peak	
5	1722.000	26.32	2.09	30.84	59.25	74.00	14.75	Peak	
6	1921.000	26.67	2.11	32.91	61.69	74.00	12.31	Peak	





Freq. Fa	ctor Loss	Reading	Level	Limits	Margin	Remark
(MHz) (d	B/m) (dB)	(dBµV) (	dB	dB µ V/m)	(dB)	
1 1039.000 24 2 1125.000 24 3 1314.000 25 4 1524.000 25 5 1722.000 26 6 1921.000 26	.72 2.01 .98 2.02 .46 2.05 .94 2.07 .32 2.09 .67 2.11	11.49 14.54 11.65 11.75 14.84 12.91	38.21 41.54 39.16 39.76 43.25 41.69	54.00 54.00 54.00 54.00 54.00 54.00 54.00	15.79 12.46 14.84 14.24 10.75 12.31	Average Average Average Average Average Average

## 4. DEVIATION TO TEST SPECIFICATIONS

During 1GHz to 2GHz frequency range measurement, due to low loss cable length limitation, the horn antenna couldn't move up and down between 1 to 4 meters. But the test result was not affected due to the worst receiving condition of horn antenna should be at 1 meter high for above 1 GHz radiation measurement.

## 5. PHOTOGRAPHS

5.1. Photos of Conducted Eemission Measurement Test Mode: LPL Panel



FRONT VIEW OF CONDUCTED MEASUREMENT



BACK VIEW OF CONDUCTED MEASUREMENT



FRONT VIEW OF CONDUCTED MEASUREMENT



BACK VIEW OF CONDUCTED MEASUREMENT



5.2. Photos of Radiated Measurement at Simple Anechoic Chamber (30-1000MHz) Test Mode: LPL Panel

FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT



5.3. Photos of Radiated Measurement at Open Area Test Site (30-1000MHz) Test Mode: LPL Panel

FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT



Test Mode: LPL Panel, 1600\*1200/60Hz, 75kHz (DVI)

SETUP WITH MAXIMUM DETECTED EMISSION AT HORIZONTAL POLARIZATION



SETUP WITH MAXIMUM DETECTED EMISSION AT VERTICAL POLARIZATION



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

## Test Mode: AUO Panel



Test Mode: AUO Panel, 1600\*1200/60Hz, 75kHz (DVI)

SETUP WITH MAXIMUM DETECTED EMISSION AT HORIZONTAL POLARIZATION



SETUP WITH MAXIMUM DETECTED EMISSION AT VERTICAL POLARIZATION



5.4. Photos of Radiated Measurement at Open Area Test Site (1-2GHz) Test Mode: LPL Panel

FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

APPENDIX I

# APPENDIX I

## (Radiated Emission Test Data at Simple Anechoic Chamber)

Total Pages: 16 Pages
























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