

HYUNDAI CALIBRATION & CERTIFICATION TECH. CO., LTD.

Product Compliance Division, EMC Team
SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI, KYOUNKI-DO, 467-701, KOREA
TEL : +82 31 639 8518 FAX : +82 31 639 8525

TEST REPORT

Manufacture;
HYUNDAI IMAGEQUEST CO., LTD.

**SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI,
KYOUNKI-DO, 467-701, KOREA**

HYUNDAI IMAGEQUEST FRN : 0005-8664-39

Date of Issue : February 16, 2006

Test Report No.: HCT-F06-0208

**Test Site: HYUNDAI CALIBRATION & CERTIFICATION
TECHNOLOGIES CO., LTD.**

HCT FRN : 0005-8664-21

FCC ID :

PJIL19A00000

Type No.:

L19A00000

Rule Part(s):	Part 15 & 2
Equipment Class:	FCC Class B Peripheral Device (JBP)
Standard(s):	FCC Class B: (CISPR 22)
EUT Type:	19" LCD Monitor
Max. Resolution(s):	1280 X 1024 (@/75Hz), 1280 X 1024 (@/60Hz)
Type No.:	L19A00000
Port/Connector(s)	15-pin D-sub DVI, Audio in, Audio out
LCD Panel	HANNSTAR(HSD190ME13-A02)

This equipment has been shown to be in compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2003

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.



Report prepared by
: Gyeong Seon KIM
Test engineer of EMC Tech.Part



Approved by
: Sang Jun LEE
Manager of EMC Tech.Part



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MEASUREMENT REPORT

1.Scope

Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission.

Applicant Name:	HYUNDAI IMAGEQUEST
Address:	SAN 136-1, AMI-RI , BUBAL-EUP, ICHEON-SI, KYOUNKI-DO, 467-701,KOREA

- **FCC ID : PJIL19A00000**
- Equipment Class: FCC Class B Peripheral Device (JBP)
- EUT Type: 19" LCD MONITOR
- Type No.: L19A00000
- Max. Resolution: 1280 X 1024 (@75Hz), 1280 X 1024 (@60Hz)
- Power Cord: Unshielded
- Rule Part(s): FCC Part 15 Subpart B
- Test Procedure(s): ANSI C63.4 (2003)
- Dates of Tests: January 26, 2006 ~ February 01, 2006
- Place of Tests: 254-1,MAEKOK-RI,HOBUP-MYUN,ICHON-SI,KYOUNGKI-DO,467-701,KOREA

2.1 INTRODUCTION

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (ANSI C63.4-2003) was used in determining radiated and conducted emissions emanating from **HYUNDAI IMAGEQUEST CO.,LTD. 19-inch LCD Monitor FCC ID: PJIL19A00000**

The open area test site and conducted measurement facility used to collect the radiated data are located at the 254-1, MAEKOK-RI, HOBUP-MYUN, ICHON-SI, KYOUNGKI-DO, 467-701, KOREA. The site is constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated July 23, 2003 (Confirmation Number: EA90661)

3.1 PRODUCT INFORMATION

3.2 Equipment Description

Equipment Under Test (EUT) is the **HYUNDAI IMAGEQUEST CO.,Ltd. (Type : L19A00000)**
19-inch LCD Monitor

FCC ID: **PJIL19A00000**

Maximum Resolution(s): 1280 X 1024 (@75Hz), 1280 X 1024 (@60Hz)

Dimensions: **374mm(W) x 401mm(H) x 200mm(D)**

Power Supply: **DC 12 V — 3.0 A**

Port(s)/Input Connector(s): 15-pin D-sub DVI, Audio in

Cable(s): Shielded D-Sub (with ferrite on both ends), Audio cable(with ferrite on both ends)
DVI(with ferrite on both ends), Audio cable(with ferrite on both ends)

Dimensions (WxHxD): 396x414x200mm (WxHxD)

Weight (Net):3.7Kg unpacked

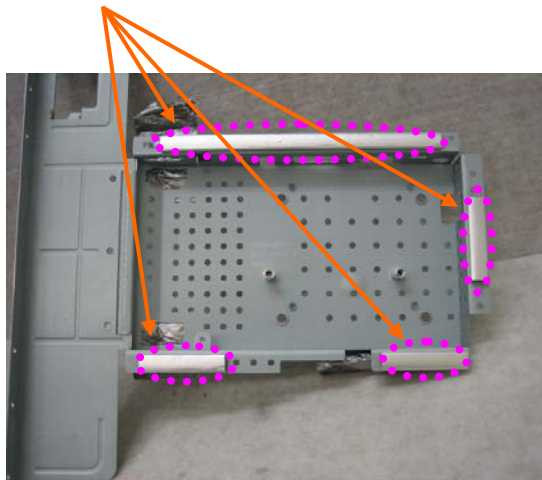
Power Consumption : **35Watts**

Weight (Net): **3.2Kg**

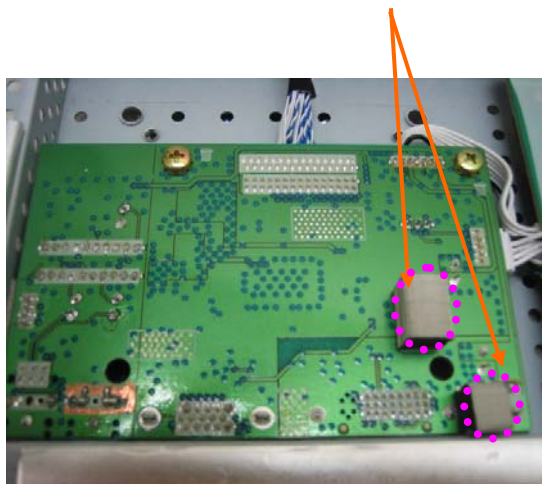
EMI Suppression Devices:

Modifications were made to the device. Please refer to the next page.

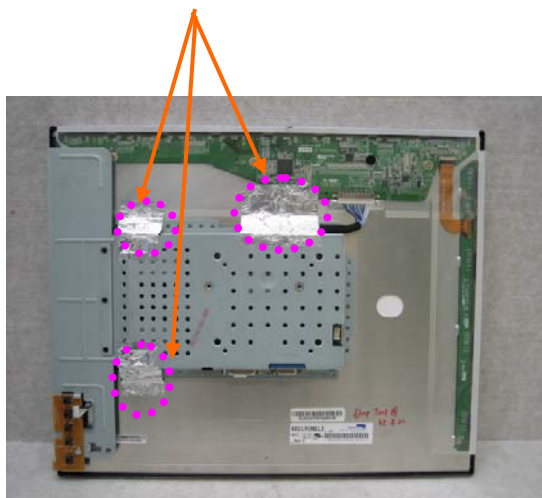
1. Attach a gasket on the main frame to contact the lcd panel



2. Attach a gasket on the main board to contact the main frame



3. Attach aluminum tape on the Rear frame.



4.1 Description of Tests(Conducted)

4.2 Powerline Conducted RFI (150kHz- 30MHz)

The power line conducted RFI measurements were performed according to CISPR 22.

The EUT was placed on a non-conducting 1.0 by 1.5 meter table which is 0.8 meters in height and 0.40 meters away from the vertical wall of the shielded enclosure. Power to the EUT is provided through a Rohde & Schwarz 50 Ω / 50 μ H Line Impedance Stabilization Network (LISN) and the support equipment through a separate Solar 50 Ω / 50 μ H Line- Conducted Test Facility LISN. Sufficient time for the EUT, support equipment, and test equipment were allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer to determine the frequency producing the maximum EME. The spectrum was scanned from 150kHz to 30 MHz. Each maximum EME was remeasured using an EMI receiver. The detector function of the receiver was set to CISPR quasi- peak and average mode with the bandwidth set to 9 kHz. Each emission was maximized consistent with the typical applications by varying the configuration of the test sample. Interface cables were connected to the available interface ports of the test unit. The effect of varying the position of cables was investigated to find the configuration that produces maximum Diagram emission. Excess cable lengths were bundled at the center with 30- 40cm. in length. The worst-case configuration is noted in the test report and the photographs are attached.

RFI CONDUCTED	CISPR 22 CLASS B	
	Limits dB(uV/m)	
Freq. Range	CISPR 22 Quasi-Peak	CISPR 22 Average
150kHz - 0.5MHz	66-56**	56-46**
0.5MHz - 5MHz	56	46
5MHz - 30MHz	60	50
**Limits decreases linearly with the logarithm of frequency		

Table 1. RFI Conducted Limits

4.3 Description of Tests(Radiated)

Radiated Emissions

Preliminary measurements were made indoors at 1 meter using broadband antennas, broadband amplifier, and spectrum analyzer to determine the frequency producing the maximum EME. Appropriate precaution was taken to ensure that all EME from the EUT were maximized and investigated. The spectrum was scanned from 30 to 300 MHz using biconical antenna, 300 to 1000 MHz using log- periodic antenna, and above 1 GHz using linearly polarized horn antennas. Final measurements were made outdoors at 10-meter test range using Dipole antennas and EMI receiver. For frequencies above 1 GHz, horn antennas were used. Sufficient time for the EUT, support equipment, and test equipment were allowed in order for them to warm up to their normal operating condition. The EMI receiver detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 120 kHz. The EUT, support equipment, and interconnecting cables were arranged to the configuration that produces the maximum EME emission found during preliminary scan. The turntable containing the system was rotated; the antenna height was varied 1 to 4 meters and stopped at the azimuth or height producing the maximum emission. Horizontal and vertical antenna polarizations were checked. Each emission was maximized by: varying the mode of operation or resolution; clock or data exchange speed; scrolling H pattern to the EUT and/ or support equipment, and powering the monitor the computer aux AC outlet, if applicable; and changing the polarity of the antenna, whichever determined the worst-case emission.

ITE Radiated Limits			
Frequency (MHz)	FCC Limit @ 3m. Quasi-Peak dB[μV/m]	FCC Limit @ 10m.* Quasi – Peak dB [μV/m]	CISPR Limit @ 10m. Quasi-Peak dB [μV/m]
30-88	40.0	29.5	30.0
88-216	43.5	33.0	30.0
216-230	46.0	35.6	30.0
230-960	46.0	35.6	37.0
960-1000	54.0	43.5	37.0
> 1000	54.0	43.5	No Specified Limit
* Limit extrapolated 20 dB/decade			

Table 2. Radiated Class B limits @ 10-meters

5.1 Support Equipment Used

DEVICE TYPE	MANUFACTURER	Type NUMBER	FCC ID / DoC	CONNECTED TO
MONITOR (EUT)	HYUNDAI IMAGEQUEST CO., LTD.	L19A00000	PJIL19A00000	P.C

DEVICE TYPE	MANUFACTURER	MODEL NUMBER	FCC ID / DoC	CONNECTED TO
P.C	DELL	OPTIPLEXGX620	DoC	EUT
Mouse	DELL	MO56U0	DoC	P.C
Serial Mouse	LOGITECH	M-M28	DoC	P.C
Key Board	DELL	SK-8115	DoC	P.C
Printer	H/P	C4569A	DoC	P.C
Head-Set	HYUNDAI	JPC-914MV	DoC	EUT

5.2 Cable Description

		Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (M)
LCD Monitor (EUT)	Power	N	N/A	1.8(P)
	D Sub	N/A	Y	1.8(D)
	DVI	N/A	Y	1.8(D)
	Audio In	N/A	Y	1.8(D)
	Audio Out	N/A	Y	2.8(D)
PC		N	N/A	1.8(P)
Key Board		N/A	Y	1.8(D)
Mouse		N/A	Y	1.8(D)
Serial Mouse		N/A	Y	1.8(D)
Printer		N	Y	1.8(P,D)

The marked "(D)" means the Data Cable and "(P)" means the Power Cable.

5.3 Noise Suppression Parts on Cable. (I/O CABLE)

		Ferrite Bead (Y/N)	Location	Metal Hood (Y/N)	Location
LCD Monitor (EUT)	D Sub	Y	BOTH END	Y	BOTH END
	DVI	Y	BOTH END	Y	BOTH END
	Audio In	Y	BOTH END	Y	BOTH END
	Audio Out	N	N/A	Y	EUT END
	Power	N	EUT END	Y	EUT END
PC		N	N/A	N	N/A
Key Board		N	N/A	Y	PC END
Mouse		N	N/A	Y	PC END
Serial Mouse		N	N/A	Y	PC END
Printer		N	N/A	Y	BOTH END

6.1 LINE-CONDUCTED TEST DATA

[Analog]

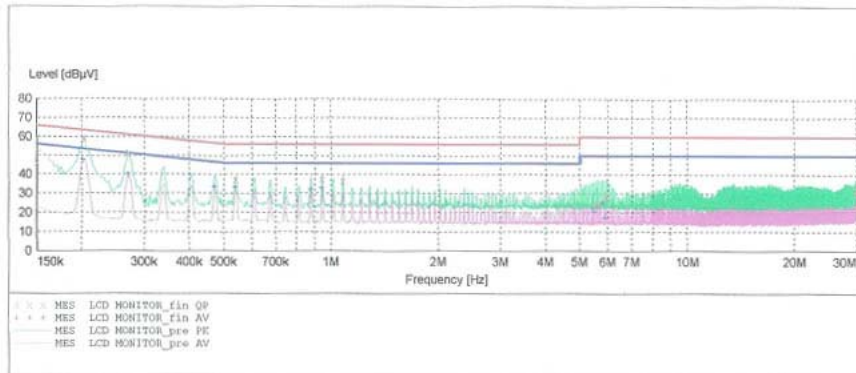
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EMC TEST LAB

EUT: L19A00000
Manufacturer: HYUNDAI IMAGEQUEST CO., LTD.
Operating Condition: 1280 X 1024 75Hz (A)
Test Site: SHIELD ROOM
Operator: GS-KIM
Test Specification: CISPR 22 CLASS B
Comment: H

SCAN TABLE: "CISPR 22 Voltage"

Short Description:			CISPR 22 Voltage			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency	Frequency	Width				
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			
500.0 kHz	5.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None
			Average			



MEASUREMENT RESULT: "LCD MONITOR_fin QP"

2/2/2006 10:16AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150100	46.30	10.1	66	19.7	---	---
0.202600	59.40	10.1	64	4.1	---	---
0.270100	51.50	10.1	61	9.6	---	---
0.540000	37.50	10.1	56	18.5	---	---
0.945000	37.80	10.1	56	18.2	---	---
1.080000	36.70	10.1	56	19.3	---	---
5.610000	24.50	10.3	60	35.5	---	---
5.950000	28.30	10.3	60	31.7	---	---
29.905000	31.30	10.6	60	28.7	---	---

MEASUREMENT RESULT: "LCD MONITOR_fin AV"

2/2/2006 10:16AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.202600	47.50	10.1	54	6.0	---	---
0.270100	40.10	10.1	51	11.0	---	---
0.472600	33.60	10.1	47	12.9	---	---
0.540000	33.30	10.1	46	12.7	---	---
0.880000	31.80	10.1	46	14.2	---	---
0.945000	32.60	10.1	46	13.4	---	---
5.475000	20.80	10.3	50	29.2	---	---
5.815000	25.20	10.3	50	24.8	---	---
5.880000	17.40	10.3	50	32.6	---	---

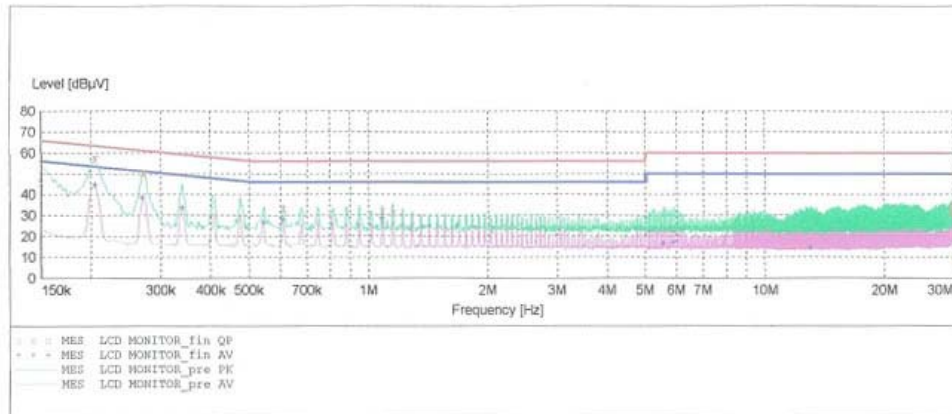
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EMC TEST LAB

EUT: L19A00000
Manufacturer: HYUNDAI IMAGEQUEST CO., LTD.
Operating Condition: 1280 X 1024 75Hz (A)
Test Site: SHIELD ROOM
Operator: GS-KIM
Test Specification: CISPR 22 CLASS B
Comment: N

SCAN TABLE: "CISPR 22 Voltage"

Short Description:		CISPR 22 Voltage					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
Frequency	Frequency	Width					
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
500.0 kHz	5.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				



MEASUREMENT RESULT: "LCD MONITOR_fin QP"

2/2/2006 10:19AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150100	46.10	10.1	66	19.9	---	---
0.205100	57.40	10.1	63	6.0	---	---
0.270100	50.60	10.1	61	10.6	---	---
0.610000	33.50	10.2	56	22.5	---	---
1.085000	32.20	10.1	56	23.8	---	---
1.155000	31.50	10.1	56	24.5	---	---
29.665000	31.40	10.6	60	28.6	---	---
29.805000	34.60	10.6	60	25.4	---	---
29.945000	35.10	10.6	60	24.9	---	---

MEASUREMENT RESULT: "LCD MONITOR_fin AV"

2/2/2006 10:19AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.205100	44.50	10.1	53	8.9	---	---
0.270100	38.50	10.1	51	12.6	---	---
0.340100	33.70	10.1	49	15.5	---	---
0.545000	26.60	10.1	46	19.4	---	---
0.610000	28.00	10.2	46	18.0	---	---
1.085000	28.50	10.1	46	17.5	---	---
5.560000	16.40	10.3	50	33.6	---	---
5.900000	17.00	10.3	50	33.0	---	---
13.025000	14.60	10.5	50	35.4	---	---

[Digital]

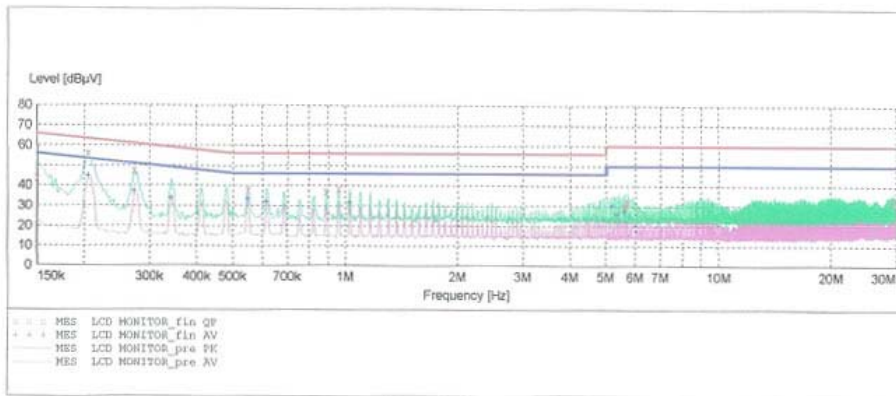
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EMC TEST LAB

EUT: L19A00000
 Manufacturer: HYUNDAI IMAGEQUEST CO., LTD.
 Operating Condition: 1280 X 1024 60Hz (D)
 Test Site: SHIELD ROOM
 Operator: GS-KIM
 Test Specification: CISPR 22 CLASS B
 Comment: H

SCAN TABLE: "CISPR 22 Voltage"

Short Description:		CISPR 22 Voltage					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
Frequency	Frequency	Width					
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
500.0 kHz	5.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				



MEASUREMENT RESULT: "LCD MONITOR_fin QP"

2/2/2006 10:34AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150100	44.00	10.1	66	22.0	---	---
0.205100	56.20	10.1	63	7.2	---	---
0.272600	47.90	10.1	61	13.2	---	---
0.550000	38.00	10.1	56	18.0	---	---
0.890000	37.10	10.1	56	18.9	---	---
0.960000	38.70	10.1	56	17.3	---	---
5.625000	30.60	10.3	60	29.4	---	---
5.695000	32.70	10.3	60	27.3	---	---
29.310000	32.40	10.6	60	27.6	---	---

MEASUREMENT RESULT: "LCD MONITOR_fin AV"

2/2/2006 10:34AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.205100	44.80	10.1	53	8.6	---	---
0.272600	37.30	10.1	51	13.7	---	---
0.342600	33.80	10.1	49	15.3	---	---
0.550000	33.40	10.1	46	12.6	---	---
0.615000	32.20	10.2	46	13.8	---	---
1.030000	31.70	10.1	46	14.3	---	---
5.215000	30.70	10.3	50	19.3	---	---
5.350000	26.10	10.3	50	23.9	---	---
5.625000	27.50	10.3	50	22.5	---	---

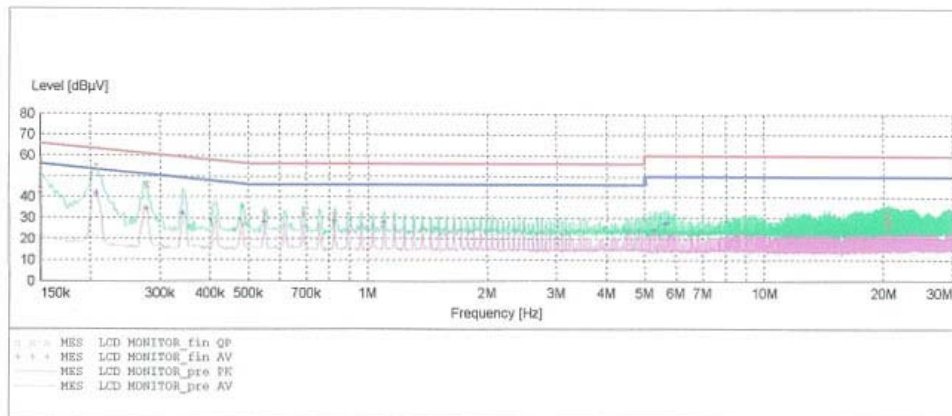
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EMC TEST LAB

EUT: L19A00000
Manufacturer: HYUNDAI IMAGEQUEST CO., LTD.
Operating Condition: 1280 X 1024 60Hz (D)
Test Site: SHIELD ROOM
Operator: GS-KIM
Test Specification: CISPR 22 CLASS B
Comment: N

SCAN TABLE: "CISPR 22 Voltage"

Short Description:		CISPR 22 Voltage					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
Frequency	Frequency	Width					
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
500.0 kHz	5.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				



MEASUREMENT RESULT: "LCD_MONITOR_fin_QP"

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Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150100	43.80	10.1	66	22.2	---	---
0.207600	54.80	10.1	63	8.5	---	---
0.277600	46.20	10.1	61	14.7	---	---
0.550000	32.20	10.1	56	23.8	---	---
0.690000	32.30	10.2	56	23.7	---	---
0.825000	31.40	10.2	56	24.6	---	---
20.485000	29.80	10.5	60	30.2	---	---
20.625000	32.70	10.5	60	27.3	---	---
20.690000	27.40	10.5	60	32.6	---	---

MEASUREMENT RESULT: "LCD MONITOR_fin AV"

2/2/2006 10:37AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.207600	41.70	10.1	53	11.6	---	---
0.277600	34.20	10.1	51	16.7	---	---
0.342600	32.30	10.1	49	16.8	---	---
0.550000	28.10	10.1	46	17.9	---	---
0.825000	28.50	10.2	46	17.5	---	---
1.100000	28.00	10.1	46	18.0	---	---
5.290000	24.40	10.3	50	25.6	---	---
5.635000	27.20	10.3	50	22.8	---	---
5.705000	27.60	10.3	50	22.4	---	---

NOTES:

1. All modes of operation were investigated and the worst-case emissions are reported.
2. The CISPR RFI conducted limits are listed on Table 1 (Page 7).
3. Line H = Phase Line N = Neutral Line

** Measurements using CISPR quasi-peak mode.

7.1 RADIATED TEST DATA

[Analog]

Frequency MHz	Reading dBuV	Ant. Factor dB/m	Cable Loss dB	ANT POL (H/V)	Total dBuV/m	Limit dBuV/m	Margin dB
108.0	10.4	10.1	2.3	V	22.8	30.0	7.2
162.0	7.2	12.8	2.9	H	22.9	30.0	7.1
229.0	12.3	10.6	3.4	V	26.3	30.0	3.7
269.0	14.2	12.0	3.8	V	30.0	37.0	7.0
310.1	11.6	13.2	4.1	H	28.9	37.0	8.1
364.0	12.8	14.2	4.4	V	31.4	37.0	5.6

[Digital]

Frequency MHz	Reading dBuV	Ant. Factor dB/m	Cable Loss dB	ANT POL (H/V)	Total dBuV/m	Limit dBuV/m	Margin dB
38.2	13.9	11.5	1.3	V	26.7	30.0	3.3
108.0	9.7	10.1	2.3	H	22.1	30.0	7.9
180.0	7.8	11.2	3.0	H	22.0	30.0	8.0
263.2	14.5	11.7	3.7	V	29.9	37.0	7.1
302.7	14.0	13.1	4.0	V	31.1	37.0	5.9
432.0	8.8	16.2	4.8	H	29.8	37.0	7.2

Radiated Measurements at 10-meters.
 1280 X 1024 (@75Hz), 1280 X 1024 (@60Hz)

NOTES:

1. All modes of operation were investigated, and the worst-case emissions are reported.
2. The radiated limits are listed on Table 2 (Page 8).

*** Measurements using CISPR quasi-peak mode. Above 1GHz, peak detector function mode is used using a resolution bandwidth of 1MHz and a video bandwidth of 1MHz. The peak level complies with the average limit. Peak mode is used with linearly polarized horn antenna and low-loss microwave cable.

8.1 Sample Calculations

$$\text{dB } \mu\text{V} = 20 \log_{10} (\mu\text{V/m})$$

8.2 Example 1:

@ 0.2026 MHz

Class B limit	= 63.5 dB μV
Reading	= 59.4 dB μV (calibrated level)

Margin	= 59.4 – 63.5 = - 4.1 dB μV
	= 4.1 dB below limit

8.3 Example 2:

@38.2 MHz

Class B limit	= 30 dB $\mu\text{V/m}$
Reading	= 13.9 dB $\mu\text{V/m}$ (calibrated level)
Antenna Factor + Cable Loss	= 12.8 dB
Total	= 26.7 dB $\mu\text{V/m}$

Margin	= 26.7 – 30.0 = - 3.3 dB $\mu\text{V/m}$
	= 3.3 dB below limit

9.1 Test Equipment

<u>Type</u>	<u>Manufacture</u>	<u>Model Number</u>	<u>CAL Due Date</u>
EMI Test Receiver	Rohde & Schwarz	ESVS30	2006.07.01
EMI Test Receiver	Rohde & Schwarz	ESCI	2006.09.13
LISN	Rohde & Schwarz	ESH2-Z5	2006.04.26
LISN	EMCO	703125	2006.04.26
TRILOG Antenna	Schwarzbeck	9160	2006.03.31
Antenna Position Tower	HD	MA240	N/A
Turn Table	EMCO	1050	N/A
Power Analyzer	Voltech	PM 3300	2006.03.22
Reference Network Impedance	Voltech	IEC 555	N/A
AC Power Source	PACIFIC	Magnetic Module	N/A
AC Power Source	PACIFIC	360-AMX	2006.11.25
Controller	HD GmbH	HD 100	N/A
SlideBar	HD GmbH	KMS 560	N/A
PULSE LIMITER	Rohde & Schwarz	ESH3-Z2	2006.11.16

10.1 Test Software Used

The EUT exercise program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software, contained on a 3-1/2 inch disc, was inserted into drive A and is auto starting on power-up. Once loaded, the program sequentially exercises each system component in turn. The sequence used is : (1) Display test, (2) RS 232 test (3) Key board test, (4) Printer test, (5) FDD test, (6) HDD test. The complete cycle takes about 20 seconds and is repeated continuously. As the keyboard and mouse are strictly input devices, no data is transmitted to them during test. They are however, continuously scanned for data input activity. The video resolution modes setup and change program was used during the radiated and conducted emission testing.

NOTE: This is a sample of the basic program used during the test. However, during testing, a different software program may be used; whichever determines the worst-case condition. In addition, the program used also depends on the number and type of devices being tested.

Actual program used is the "H" pattern in Notepad under Windows environment. All resolution modes (1280x1024, 1024x768, 800x600, 640x480, 720x400) were investigated and tested

11.1 Conclusion

The data collected shows that the HYUNDAI IMAGEQUEST CO., LTD. 19-inch LCD Monitor
FCC ID: PJIL19A00000 complies with §15.107 and §15.109 of the FCC Rules.