

EMI Test Report

On Model Name: TFT- LCD Monitor

Model Number: W24*S*

FCC ID Number: WNEW24XXS

Prepared for

SHENZHEN KTC COMPUTER TECHNOLOGY CO., LTD.

According to FCC Part 15:2007, Class B

Test Report #: SHE-0808-10047-FCC ID

Prepared by: Jawen Yin
Reviewed by: Ivan Wen

QC Manager: Paul Chen

Test Report Released by:

Paul J. de

2008, Sep. 15

Paul Chen

Date

Test Location

Tests performed at ECMG Worldwide Certification Solution Inc. (China) in a Certified ANSI Semi-Anechoic Chamber and Shielded Room performed testing.

Test Site Location: Shenzhen Academy of Metrology and Quality

Inspection.

Bldg. of Metrology & Quality Inspection, Longzhu Road, Shenzhen, Guangdong, China.

Tel: 86-755-26941617

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FCC Registration Number: 274801

CNAS Nunber: L0579

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Opinions and Interpretations

This test report relates to the abovementioned equipment under test (EUT). Without the permission of ECMG Worldwide Certification Solution Inc. Test Lab this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark on this or similar products. The manufacturer has sole responsibility of continued compliance of the device.

Statement of Measurement Uncertainty

The data and results referenced in the document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities that can account for a nominal measurement error. Furthermore, component and process variability of devices similar to that tested may result in additional deviation.

Administrative Data

Test Sample : TFT-LCD MONITOR

Model Number : W24*S*

Model Tested : W2408S

Date Tested : 2008, Sep. 3

Applicant : SHENZHEN KTC COMPUTER TECHNOLOGY CO.,LTD

Northern Wuhe road, Banxuegang Industry Area, Buji,

Shenzhen, China

Telephone : 86-755-33615330

Fax : 86-755-33615329

EUT Description

SHENZHEN KTC COMPUTER TECHNOLOGY CO.,LTD model tested W2408S (referred to as the EUT in this report) is a TFT-LCD MONITOR. Detailed descriptions as below:

Specification:

Monitor type: TFT LCD

Max. resolution: 1920*1200 60Hz(VGA,DVI)

Power supply: 100V-240Vac, 60Hz

Max.consumption: 90W

The EUT is a LCD Monitor which input/output ports as follows:

(1) One VGA Port: Connected with PC (unshided, with 2 cores)

(2) One DVI Port: Connected with PC (unshided, with 2 cores)

(3) One AC In Port: Connected with Power

Derive of EUT

W24*S* (where the first * can be 00 to 20, indicate the product design of year; the second * can be 1 to 100 or blank, indicate the shape of enclosure (Input: $100-240V \sim 60/50$ Hz, 1.0A)

They are the same products except for model name and shape of enclosure, only for market purpose, for example they have the same circuit function and power and PCB.

Model of W2408S is used for all testing.

Operating Mode of EUT

Let the EUT worked in test mode (Running "H" Pattern 640*480 60Hz / Running "H" Pattern 1024*768 60Hz/ Running "H" Pattern 1920*1200 60Hz) and measured it.

The EUT's Max. resolution bandwidth is 1920*1200 60Hz VGA and 1920*1200 60Hz DVI, the highest frequency which the EUT operates is between 108-500MHz, so the Upper frequency of radiated emission measurement range is up to 2GHz, other resolution bandwidth that operates frequency is below 108MHz, so the Upper frequency of radiated emission measurement range is up to 1GHz.

Test Summary

The Electromagnetic Compatibility requirements on model W2408S for this test are stated below. All results listed in this report relate exclusively to this above-mentioned model as the Equipment Under Test. This report confers no approval or endorsement upon any other component, host or subsystem used in the test set-up.

	Emission Tests				
Specifications	Description	Test Results	Test Point	Remark	
FCC Part 15.107 Class B per ANSI C63.4 2003	Conducted Emission	Passed	AC Input Port	Attachment 1	
FCC Part 15.109 Class B per ANSI C63.4 2003	Radiated Emission	Passed	Enclosure	Attachment 2	

Test Mode Justification

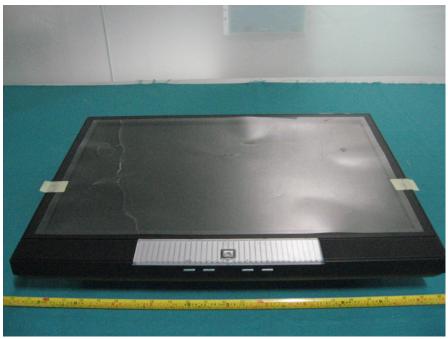
This device complies with Part 15 of the FCC rules. Operations is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Equipment Modification

Any modifications installed previous to testing by SHENZHEN KTC COMPUTER TECHNOLOGY CO.,LTD will be incorporated in each production model sold or leased in United States.

There were no modifications installed by ECMG Worldwide Certification Solution Inc. (China) test personnel.

EUT Sample Photos For Mode W2408S



Front View



Rear View



Side View



I/O Ports View



Pedestal View



Inside View#1



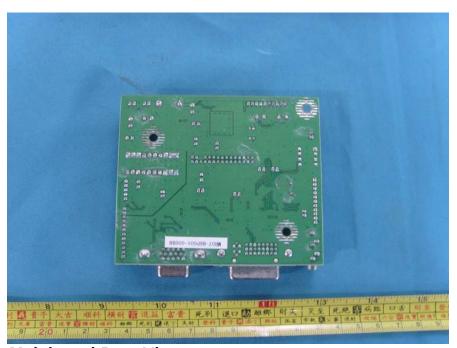
Inside View#2



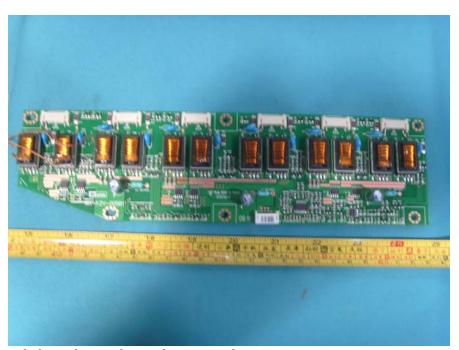
Inside View#3



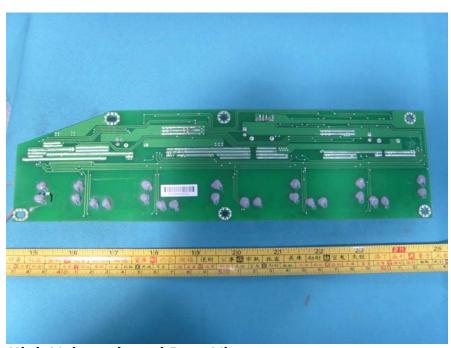
Mainboard Front View



Mainboard Rear View



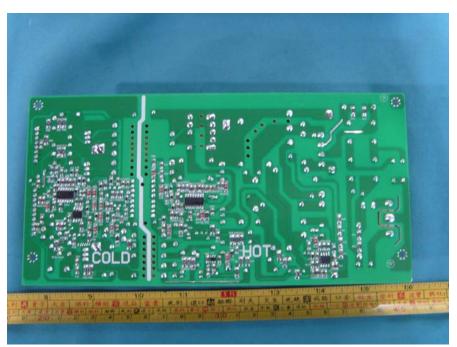
High Voltage board Front View



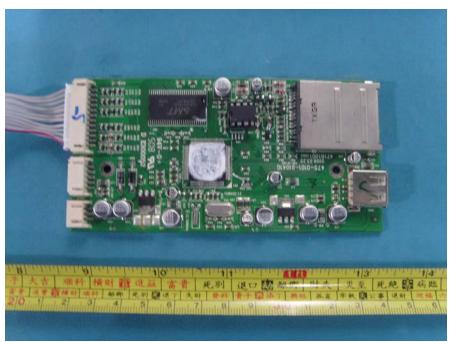
High Voltage board Rear View



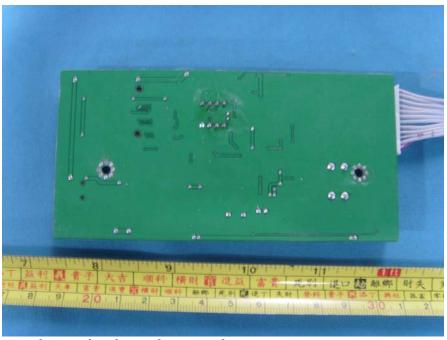
Power board Front View



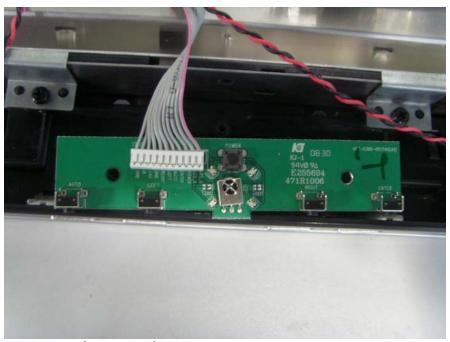
Power board Rear View



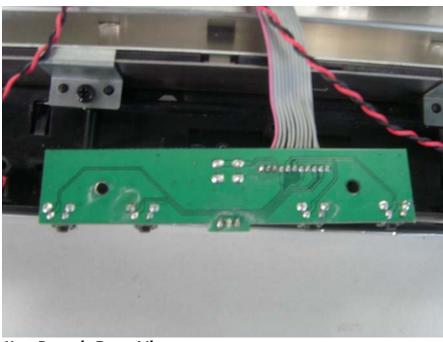
Card-reader Board Front View



Card- Reader baord Rear View



Key-Board Front View



Key-Board Rear View



Power cord View



VAG Cord View



DVI Cord View

Test System Details

EUT

Model Number: W24*S*

Model Tested: W2408S

Description: TFT- LCD Monitor

Manufacture: SHENZHEN KTC COMPUTER TECHNOLOGY CO., LTD

Support Equipment

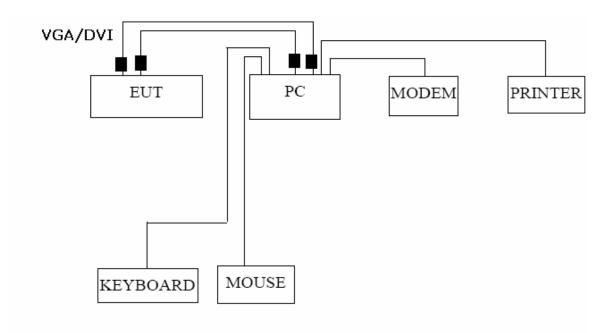
Description	Model Number	Serial Number	Manufacturer
Host PC	P9111A	CN31104336	HP
Printer	PIXMA iP1180	N/A	canon
Modem	TL-R410	N/A	TP-Link
PS/2 Keyboard	5219	BN44300510	HP
Mouse	N3+Optical	K043240960	HP

Cable Description

Description	From	То	Length (Meters)	Shielded (Y/N)	Ferrite (Y/N)
AC Power Cord	EUT	Plug	1.5	N	N
VGA Cord	EUT	Host PC	1.5	N	Υ
DVI Cord	EUT	Host PC	1.5	N	Υ
PC Power cord	PC Host	Plug	1.8	N	N
Keyboard cord	Keyboard	Host PC	1.8	У	N
Mouse Cord	Mouse	Host PC	1.8	У	N
Printer cord	Printer	Host PC	1.1	N	N
Modem cord	Modem	Host PC	1.1	N	N

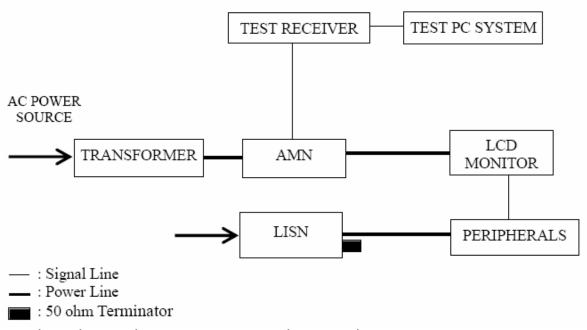
Note: The "EUT" indicated TFT-LCD Monitor.

Configuration of Tested System



: Ferrite core

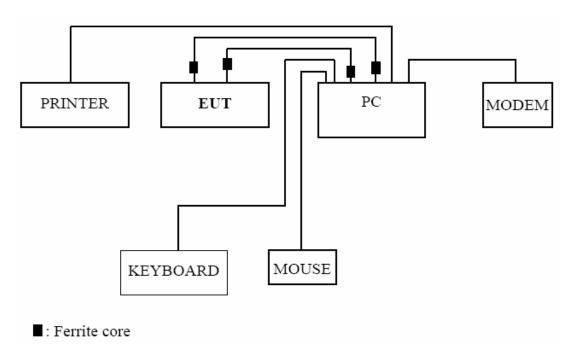
Block Diagram of Conducted Emission Test Set up



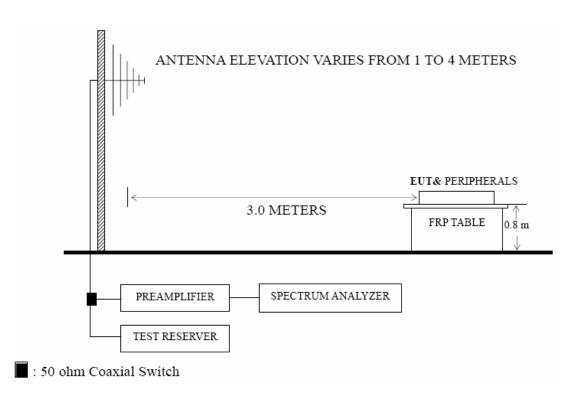
Conducted Disturbance Test Set up photograph

FCC Test Report #: SHE-0808-10047-FCCID Prepared for SHENZHEN KTC COMPUTER TECHNOLOGY CO., LTD Prepared by ECMG Worldwide Certification Solution Inc.

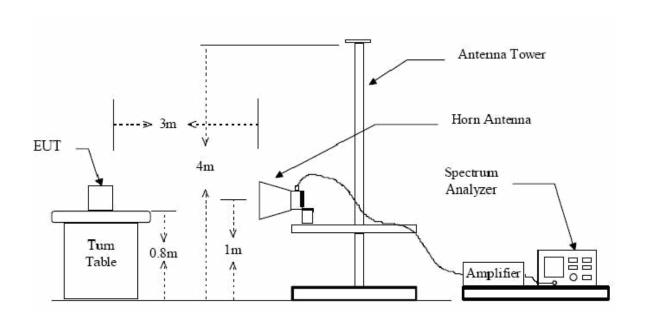
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Block diagram of Radiated Emission Test Set up



Radiated Emission Test Set up Photograph(below 1GHz)



Radiated Emission Test Set up Photograph(above 1GHz)

ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS

CLIENT:	SHENZHEN KTC COMPUTER TECHNOLOGY CO.,LTD	TEST STANDERD:	FCC Part 15: 2007, Class B		
MODEL NUMBERS:	W24*S*	PRODUCT:	TFT-LCD Monitor		
EUT MODEL:	W2408S	EUT DESIGNATION:	Information Technology Equipment		
TEMPERATURE:	23°C	HUMIDITY:	47%RH		
ATM PRESSURE:	101.0kPa	GROUNDING:	Through AC Power Cord		
TESTED BY:	Jawen Yin	DATE OF TEST:	2008, Sep. 03		
TEST REFERENCE:	ANSI C63.4: 2003				
TEST PROCEDURE:	The EUT was set up according to the guideline of ANSI C63.4: 2003 for conducted emissions. The measurement was using a AMN on each line and an EMI receiver peak scan was made at the frequency measurement range. The six highest significant peaks were then marked, and these signals were then quasi-peaked and averaged. The frequency range investigated was from 150KHz to 30MHz.				
TESTED RANGE:	150kHz to 30MHz				
TEST VOLTAGE:	120VAC / 60Hz				
RESULTS:	The EUT meets the require				
CHANGES OR MODIFICATIONS:	There were no modification Inc. (China) test personnel.	There were no modifications installed by ECMG Worldwide Certification Solution Inc. (China) test personnel.			
M. UNCERTAINTY:	Freq. ± 2x10-7 x Center Fre	eq., Amp ± 2.6 dB			

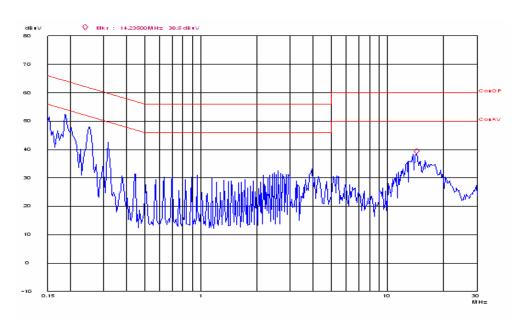
15.107 Conducted limit:

Except for Class A digital devices, for equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

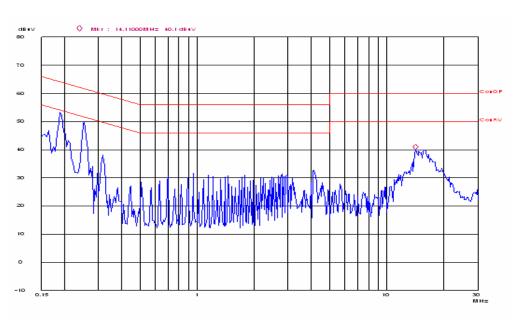
Frequency of Emission		ted Limit (uV)
(MHz)	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

¹⁾ The lower limit shall apply at the transition frequencies.

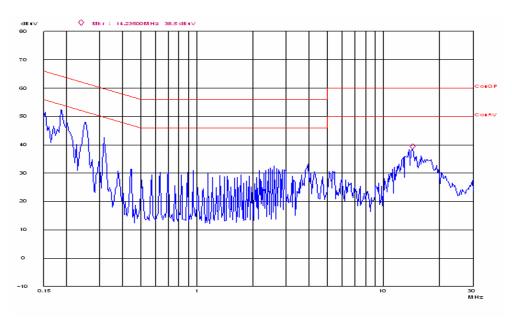
²⁾ The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz \sim 0.50 MHz



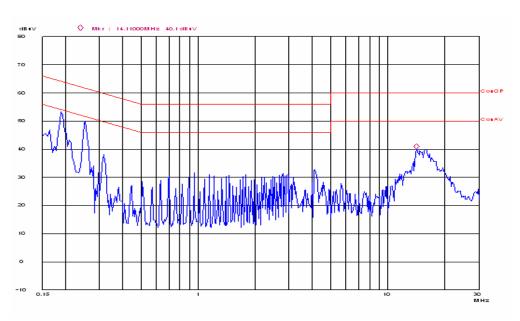
Line L Conducted Emission Graph(VGA Mode 640*480 60Hz)



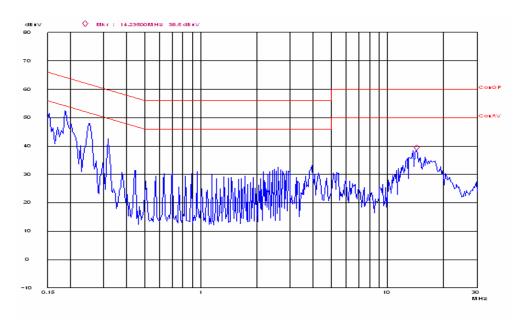
Line N Conducted Emission Graph(VGA Mode 640*480 60Hz)



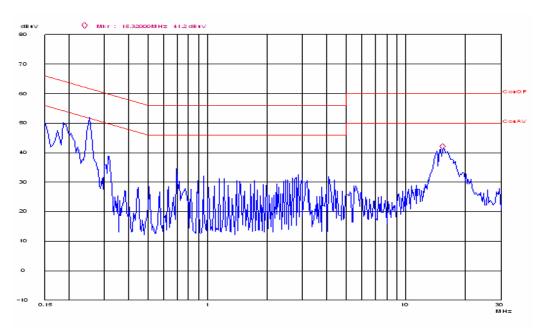
Line L Conducted Emission Graph(DVI Mode 640*480 60Hz)



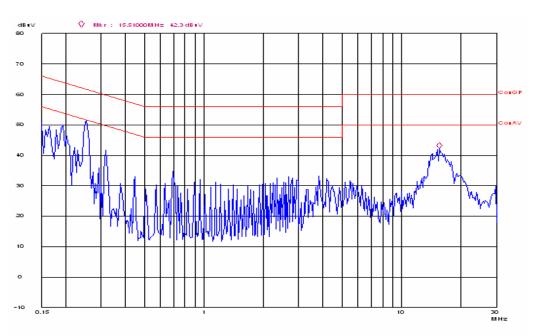
Line N Conducted Emission Graph(DVI Mode 640*480 60Hz)



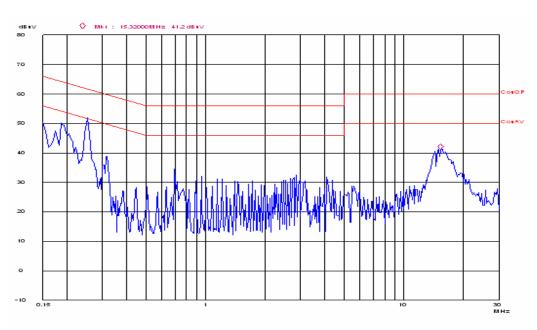
Line L Conducted Emission Graph(VGA Mode 1024*768 60Hz)



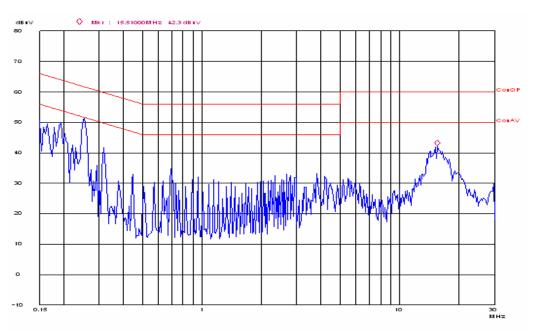
Line N Conducted Emission Graph(VGA Mode 1024*768 60Hz)



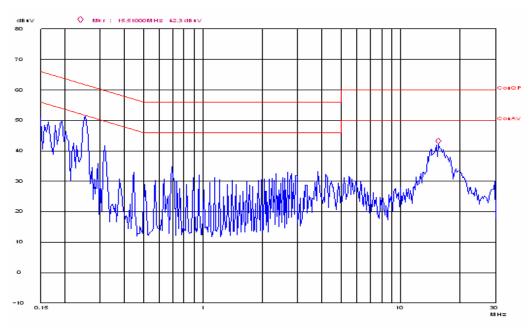
Line L Conducted Emission Graph(DVI Mode 1024*768 60Hz)



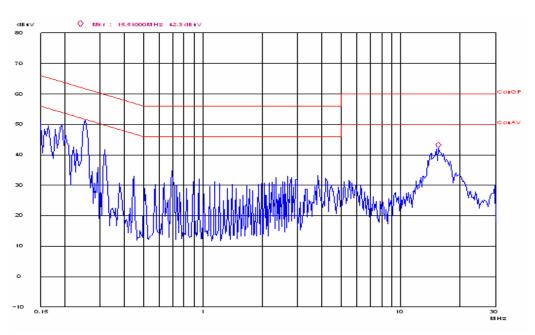
Line N Conducted Emission Graph(DVI Mode 1024*768 60Hz)



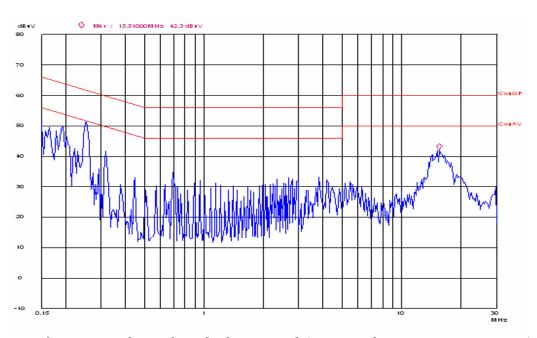
Line L Conducted Emission Graph(VGA Mode 1920*1200 60Hz)



Line N Conducted Emission Graph(VGA Mode 1920*1200 60Hz)



Line L Conducted Emission Graph(DVI Mode 1920*1200 60Hz)



Line N Conducted Emission Graph(DVI Mode 1920*1200 60Hz)

Test Data:

Line	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AV Level (dBuV)	Limits AV (dBuV)	Margin QP (dB)
VGA M	lode(640*4	80 60Hz)						
L	0.187	45.7	64.1	-18.4	0.187	35.8	54.1	-18.3
L	0.254	44.7	61.6	-16.9	0.254	33.1	51.6	-18.5
L	14.35	35.5	60.0	-24.5	14.35	28.9	50.0	-21.1
N	0.191	45.8	63.9	-18.1	0.191	35.3	53.9	-18.6
N	0.254	46.3	61.6	-15.3	0.254	36.6	51.6	-15.0
N	14.110	36.5	60.0	-23.5	14.110	28.9	50.0	-21.1
DVI M	ode(640*48	80 60Hz)						
L	0.187	45.8	64.1	-18.3	0.187	35.7	54.1	-18.4
L	0.254	45.0	61.6	-17.2	0.254	33.1	51.6	-18.5
L	14.35	35.5	60.0	-24.5	14.35	28.9	50.0	-21.1
N	0.191	45.8	63.9	-18.1	0.191	35.3	53.9	-18.6
N	0.254	46.3	61.6	-15.3	0.254	36.6	51.6	-15.0
N	14.110	36.0	60.0	-24.0	14.110	29.0	50.0	-21.0
VGA M	lode(1024*	768 60Hz)	I	•			•	•
L	0.253	48.5	61.6	-13.1	0.253	35.5	51.6	-16.1
L	0.699	31.1	56.0	-24.9	0.699	20.7	46.0	-25.3
L	15.511	39.6	60.0	-20.4	15.511	32.8	50.0	-17.2
N	0.254	47.4	62.6	-15.2	0.254	37.1	52.6	-15.5
N	0.697	30.0	56.0	-26.0	0.697	26.3	46.0	-19.7
N	15.320	38.5	60.0	-21.5	15.320	28.9	50.0	-21.1
DVI M	ode(1024*7	'68 60Hz)	1	ı				ı
L	0.253	48.0	61.6	-13.6	0.253	35.0	51.6	-16.6
L	0.699	31.1	56.0	-24.9	0.699	20.7	46.0	-25.3
L	15.511	39.6	60.0	-20.4	15.511	32.8	50.0	-17.2

47.0	62.6	-15.6	0.254	27.0	50.0	
	02.0	-13.0	0.254	37.0	52.6	-15.6
30.0	56.0	-26.0	0.697	26.9	46.0	-19.1
38.5	60.0	-21.5	15.320	28.9	50.0	-21.1
00 60Hz)					
50.3	65.5	-15.2	0.158	40.3	55.5	-15.2
43.8	60.0	-16.2	12.675	33.3	50.0	-16.7
40.3	60.0	-19.7	27.000	33.9	50.0	-16.1
46.4	66.0	-19.6	0.150	46.4	56.0	-19.6
33.1	58.3	-25.2	3.375	29.1	48.3	-19.2
38.6	60.0	-21.4	27.001	28.6	50.0	-21.4
0 60Hz)						
45.7	65.7	-20.0	0.154	39.7	55.7	-16.0
26.6	57.8	-31.2	0.402	26.6	47.8	-21.2
34.4	60.0	-25.6	12.565	34.4	50.0	-15.6
46.3	66.0	-19.7	0.150	43.3	56.0	-12.7
20.2	56.0	-35.8	0.828	20.2	46.0	-35.8
33.1	58.3	-25.2	3.375	29.1	48.3	-19.2
33.8	60.0	-26.2	12.560	28.8	50.0	-21.2
	38.5 00 60Hz 50.3 43.8 40.3 46.4 33.1 38.6 0 60Hz) 45.7 26.6 34.4 46.3 20.2 33.1	38.5 60.0 00 60Hz) 50.3 65.5 43.8 60.0 40.3 60.0 46.4 66.0 33.1 58.3 38.6 60.0 0 60Hz) 45.7 65.7 26.6 57.8 34.4 60.0 46.3 66.0 20.2 56.0 33.1 58.3	38.5 60.0 -21.5 00 60Hz) 50.3 65.5 -15.2 43.8 60.0 -16.2 40.3 60.0 -19.7 46.4 66.0 -19.6 33.1 58.3 -25.2 38.6 60.0 -21.4 0 60Hz) 45.7 65.7 -20.0 26.6 57.8 -31.2 34.4 60.0 -25.6 46.3 66.0 -19.7 20.2 56.0 -35.8 33.1 58.3 -25.2	38.5 60.0 -21.5 15.320 00 60Hz) 50.3 65.5 -15.2 0.158 43.8 60.0 -16.2 12.675 40.3 60.0 -19.7 27.000 46.4 66.0 -19.6 0.150 33.1 58.3 -25.2 3.375 38.6 60.0 -21.4 27.001 0 60Hz) 45.7 65.7 -20.0 0.154 26.6 57.8 -31.2 0.402 34.4 60.0 -25.6 12.565 46.3 66.0 -19.7 0.150 20.2 56.0 -35.8 0.828 33.1 58.3 -25.2 3.375	38.5 60.0 -21.5 15.320 28.9 00 60Hz) 50.3 65.5 -15.2 0.158 40.3 43.8 60.0 -16.2 12.675 33.3 40.3 60.0 -19.7 27.000 33.9 46.4 66.0 -19.6 0.150 46.4 33.1 58.3 -25.2 3.375 29.1 38.6 60.0 -21.4 27.001 28.6 0 60Hz) 45.7 65.7 -20.0 0.154 39.7 26.6 57.8 -31.2 0.402 26.6 34.4 60.0 -25.6 12.565 34.4 46.3 66.0 -19.7 0.150 43.3 20.2 56.0 -35.8 0.828 20.2 33.1 58.3 -25.2 3.375 29.1	38.5 60.0 -21.5 15.320 28.9 50.0 0 60Hz) 50.3 65.5 -15.2 0.158 40.3 55.5 43.8 60.0 -16.2 12.675 33.3 50.0 40.3 60.0 -19.7 27.000 33.9 50.0 46.4 66.0 -19.6 0.150 46.4 56.0 33.1 58.3 -25.2 3.375 29.1 48.3 38.6 60.0 -21.4 27.001 28.6 50.0 0 60Hz) 45.7 65.7 -20.0 0.154 39.7 55.7 26.6 57.8 -31.2 0.402 26.6 47.8 34.4 60.0 -25.6 12.565 34.4 50.0 46.3 66.0 -19.7 0.150 43.3 56.0 20.2 56.0 -35.8 0.828 20.2 46.0 33.1 58.3 -25.2 3.375 29.1 48.3

¹⁾ All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.

^{2) &}quot;QP" means "Quasi-Peak" values, "AV" means "Average" values.

Test Equipment List:

Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Interval
EMI test receiver	ESCS30	R&S	830245/009	01/22/2008	01/21/2009
AMN	ESH2-Z5	R&S	100002	01/22/2008	01/21/2009

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated.

SIGNED BY:

REVIEWED BY: Jum Wen

SENIOR ENGINEER



Conducted Emission Test Set-up

ATTACHMENT 2 - RADIATED EMISSION TEST RESULTS

CLIENT:	SHENZHEN KTC COMPUTER TECHNOLOGY CO.,LTD	TEST STANDERD:	FCC Part 15, Class B	
MODEL NUMBERS:	W24*S*	PRODUCT:	TFT-LCD Monitor	
EUT MODEL:	W2408S	EUT DESIGNATION:	Information Technology Equipment	
TEMPERATURE:	23°C	HUMIDITY:	47%RH	
ATM PRESSURE:	101.0kPa	GROUNDING:	Through AC Power Cord	
TESTED BY:	Jawen Yin	DATE OF TEST:	2008, Sep 03	
TEST REFERENCE:	ANSI C63.4: 2003			
TEST PROCEDURE:	The EUT was set up according to the guidelines of ANSI C63.4: 2003 for radiated emissions. An EMI receiver peak scan was made at the frequency measurement range (pre-scan) in an Anechoic chamber. Signal discrimination was then performed and the significant peaks marked. These peaks were then quasi-peaked in the frequency range of 30 MHz to 1GHz at an Anechoic chamber. measurement are based on Peak value and Average value detector above 1GHz.,the bandwidth of Test Receiver was set at 1MHz. The following data lists the significant emission frequencies, measured levels, correction factors (including cable and antenna correction factors), and the corrected readings against the limits. Explanation of the Correction Factor are given as follows: FS= RA + AF + CF - AG Where: FS = Field Strength RA = Receiver Amplitude AF = Antenna Factor CF = Cable Attenuation Factor AG = Amplifier Gain			
TESTED RANGE:	30MHz to 2,000MHz			
TEST VOLTAGE:	120VAC / 60Hz			
RESULTS:	The EUT meets the requirements of test reference for Radiated Emission on vertical polarization by 4.7dB at 532.384MHz. the worst mode is DVI 640*480@60Hz. The test results relate only to the equipment under test provided by client.			
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Worldwide Certification Solution Inc. China) test personnel.			
	China) test personnel. req. ± 2x10-7 x Center Freq., Amp ± 2.6 dB			

15.109 Limits of Radiated Emission:

The field strength of radiated emissions at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)
30 - 88	100	40
88 -216	150	43.5
216 - 960	200	46
Above 960	500	54

¹⁾ Emission Level dB (μ V/m) = 20 log Emission Level (μ V/m)

²⁾ The tighter limit applies at the band edges.

³⁾ Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Test Data:

Below 1GHz:

Frequency [MHz]	Antenna Polarization [V/H]	Corrected Reading [dBµV/m]	Delta, QP [dB]	3 Meters Limits [dBµV/m]
GA Mode (640)*480 60Hz)			
33.398	Н	31.8	-8.2	40.0
155.922	Н	37.8	-5.7	43.5
512.525	Н	40.9	-5.1	46.0
57.973	V	34.0	-6.0	40.0
155.940	V	37.1	-6.4	43.5
532.384	V	41.1	-4.9	46.0
VI Mode(640*	480 60Hz)			
41.568	Н	33.0	-7.0	40.0
279.290	Н	41.0	-5.0	46.0
612.780	Н	41.2	-4.8	46.0
57.973	V	33.7	-6.3	40.0
155.940	V	33.9	-9.6	43.5
532.384	V	41.3	-4.7	46.0
GA Mode (102	?4*768 60Hz)			
49.187	Н	31.2	-8.8	40.0
116.180	Н	38.3	-5.2	43.5
495.375	Н	41.3	-8.2	46.0
49.187	V	30.8	-9.2	40.0
116.187	V	34.1	-9.4	43.5
595.375	٧	40.0	-6.0	46.0
VI Mode (102	4*768 60Hz)			
49.180	Н	31.5	-8.5	40.0
116.180	Н	36.1	-7.4	43.5
595.375	Н	40.7	-5.3	46.0
49.187	V	30.2	-9.8	40.0

595.375	V	39.0	-7.0	46.0				
VGA Mode (1920*1200 60Hz)								
33.398	Н	31.6	-8.4	40.0				
155.922	Н	37.0	-6.5	43.5				
512.525	Н	39.2	-6.8	46.0				
77.973	V	35.0	-5.0	40.0				
155.940	V	37.0	-6.5	43.5				
632.384	V	41.0	-5.0	46.0				
DVI Mode (1920	*1200 60Hz)							
33.398	Н	31.8	-8.2	40.0				
155.922	Н	37.8	-5.7	43.5				
512.525	Н	40.9	-5.1	46.0				
77.973	V	34.1	-5.9	40.0				
155.940	V	35.9	-7.6	43.5				
632.384	V	40.1	-5.9	46.0				

The limits shown are based on Quasi-peak value detector below or equal to 1GHz, the bandwidth of Test Receiver was set at 120 kHz below 1GHz.

²⁾ The frequency range from 1 GHz to 2 GHz was checked for VGA 1920*1200@60Hz and DVI 1920*1200@60Hz modes, 30 MHz to 1000MHz was checked for all test modes.

³⁾ The emission levels that are 20dB below the official limit are not reported.

Above 1GHz:

Frequency [MHz]	Antenna Polarization [V/H]	Corrected Reading [dBµV/m]	Delta, QP [dB]	3 Meters Limits [dBµV/m]	Remark				
VGA Mode (1920*1200 60Hz)									
1102.010	Н	42.3	-11.7	54	AV				
1404.525	Н	43.0	-11.0	54					
1621.585	Н	46.0	-8.0	54					
1102.010	V	43.5	-10.5	54					
1404.525	V	44.4	-9.6	54					
1621.585	V	44.3	-9.7	54					
1102.010	Н	45.9	-28.1	74	PK				
1404.525	Н	55.8	-18.2	74					
1621.585	Н	53.5	-20.5	74					
1102.010	V	51.2	-22.8	74					
1404.525	V	56.0	-18.0	74					
1621.585	V	57.2	-16.8	74					
DVI Mode (1920*1200 60Hz)									
1102.010	Н	42.5	-11.5	54	AV				
1404.525	Н	43.0	-11.0	54					
1621.585	Н	46.0	-7.0	54					
1102.010	V	43.5	-10.5	54					
1404.525	V	48.4	-5.6	54					
1621.585	V	44.3	-9.7	54					
1102.010	Н	45.9	-28.1	74	PK				
1404.525	Н	55.8	-18.2	74					
1621.585	Н	53.5	-20.5	74					
1102.010	V	51.2	-22.8	74					
1404.525	V	56.0	-18.0	74					
1621.585	V	57.2	-16.8	74					

- The limits shown are based on Peak value and Average value detector above 1GHz., the bandwidth
 of Test Receiver was set at 1MHz above 1GHz.
- 2) The frequency range from 1 GHz to 2 GHz was checked for VGA 1920*1200@60Hz and DVI 1920*1200@60Hz modes, 30 MHz to 1000MHz was checked for all test modes.
- 3) The emission levels that are 20dB below the official limit are not reported.

Test Equipment List:

Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Due
EMI Test Receiver	ESI26	R&S	838736/013	2008/01/25	2009/01/24
Bilog Antenna	CBL6112B	Chase	2591	2008/01/25	2009/01/24
Horn Antenna	HF906	R&S	SB4343	2008/01/25	2009/01/24
3m SEMI-ANECHOIC CHAMBER	9X6X6	Albatross projects		2008/03/21	2009/03/20

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated.

SIGNED BY:

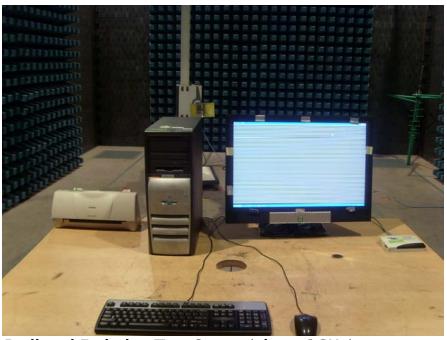
ENGINEER

REVIEWED RY:

SENIOR ENGINEER



Radiated Emission Test Set-up (below 1GHz)



Radiated Emission Test Set-up (above 1GHz)