Test Report
For

SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.

LCD Monitor

Model No.: G22S+, G22SP+, G31S+, G21S+, G2*S+, G2*SP+, C22S+, C22SP+, C2*S+, C2*SP+

FCC ID: Z5QLCDG22C22

Prepared for	:	SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.
Address	:	Room 201, Incubator Building, CASTD, High-tech South Street NO.1, Nanshan District, Shenzhen 518057, China
Prepared by	:	SHENZHEN EMTEK CO., LTD.
Address	:	Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Tel: (0755) 26954280 Fax: (0755) 26954282

Report Number	:	ES140224105E
Date of Test	:	February 25, 2014 to March 12, 2014
Date of Report	:	April 8, 2014

TABLE OF CONTENT

TEST REPORT DESCRIPTION

Applicant	:	SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.
Manufacturer	:	SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.
Trade Mark	:	N/A
EUT	:	LCD Monitor
Model No.	:	G22S+, G22SP+, G31S+, G21S+, G2*S+, G2*SP+, C22S+, C22SP+, C2*S+, C2*SP+
Power Supply	:	DC 12V from Adapter

Measurement Procedure Used:

FCC Rules and Regulations Part 15: 2013 Subpart B Class B & FCC / ANSI C63.4-2009

The device described above is tested by SHENZHEN EMTEK CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and SHENZHEN EMTEK CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of SHENZHEN EMTEK CO., LTD.

Date of Test	:	February 25, 2014 to March 12, 2014
Prepared by	:	Jack Li/Editor
Reviewer	:	June Xie/Supervisor
Approved & Authorized Signer	:	Lisa Wang/Manager

Modified History

Rev.	Summary	Date of Rev.	Report No.
V1.0	Original Report	2014-4-8	ES140224105E

1. SUMMARY OF TEST RESULT

EMISSION		
Description of Test Item	Standard & Limits	Results
Conducted Disturbance at Mains Terminals	FCC Part 15, Subpart B, Class B ANSI C63.4: 2009	Pass
Radiated Disturbance	FCC Part 15, Subpart B, Class B ANSI C63.4: 2009	Pass
Note: N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT	:	LCD Monitor
Model Number	:	G22S+, G22SP+, G31S+, G21S+, G2*S+, G2*SP+, C22S+, C22SP+, C2*S+, C2*SP+ All models are almost the same, G and C stands for different power for LED Panel, P means with front protection glass with brightness sensor, * stands for 0-9 for different client. We take G22SP+ and C22SP+ to test.
Adapter	:	Model: MENB1080A1249F01 Input: AC 100-240V,50-60Hz, 1.5A Output: DC 12V, 6.5A
Test Voltage	:	AC 120V/60Hz
Applicant	:	SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.
Address	:	Room 201, Incubator Building, CASTD, High-tech South Street NO.1, Nanshan District, Shenzhen 518057, China
Manufacturer	:	SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.
Address	:	Room 201, Incubator Building, CASTD, High-tech South Street NO.1, Nanshan District, Shenzhen 518057, China
Date of Received	:	February 25, 2014
Date of Test	:	February 25, 2014 to March 12, 2014

2.2. Description of Test Facility

Site Description EMC Lab.	:	Accredited by CNAS, 2013.10.29 The certificate is valid until 2016.10.28 The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2005) The Certificate Registration Number is L2291. Accredited by TUV Rheinland Shenzhen 2010.5.25 The Laboratory has been assessed according to the requirements ISO/IEC 17025. Accredited by FCC, April 17, 2013 The Certificate Registration Number is 709623. Accredited by Industry Canada, November 15, 2010 The Certificate Registration Number is 46405-4480.
Name of Firm	:	SHENZHEN EMTEK CO., LTD.
Site Location	:	Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

2.3. Description of Support Device

PC	:	Manufacturer: LENOVO M/N: 9702 S/N: L3C4410 CE, FCC: DOC
Keyboard	:	Manufacturer: LENOVO M/N: KU-0225 S/N:0585494 CE, FCC: DOC
Mouse	:	Manufacturer: LENOVO M/N: MO28UOL S/N:44G7862 068 CE, FCC: DOC
Printer	:	Manufacturer: HP M/N: C89520 S/N: CN25S182N6 CE, FCC: DOC

2.4. Measurement Uncertainty

Test Item		Uncertainty
Conducted Emission Uncertainty	:	2.96dB(9k~150kHz Conduction 1#) 2.74dB(150k-30MHzConduction 1#)
Radiated Emission Uncertainty (3m Chamber)	:	3.78dB (30M~1GHz Polarize: H) 4.27dB (30M~1GHz Polarize: V) 4.46dB (1~6GHz) 4.96dB (6~18GHz)

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. For Power Line Conducted Emission Measurement

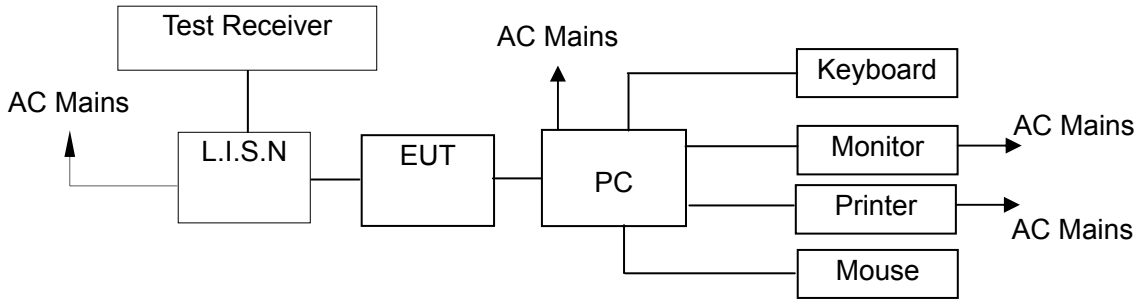
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☑	Test Receiver	Rohde & Schwarz	ESCS30	828985/018	May 29, 2013	1 Year
☑	L.I.S.N.	Schwarzbeck	NNLK8129	8129-203	May 29, 2013	1 Year
☐	L.I.S.N.	ROHDE & SCHWARZ	ESH3-Z6	100011	May 29, 2013	1 Year
☐	L.I.S.N.	ROHDE & SCHWARZ	ESH3-Z6	100253	May 29, 2013	1 Year
☑	L.I.S.N.	ROHDE & SCHWARZ	ESH3-Z5	100191	May 29, 2013	1 Year
☑	50Ω Coaxial Switch	Anritsu	MP59B	M20531	N/A	N/A
☐	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	May 29, 2013	1 Year
☐	Current probe	Rohde & Schwarz	EZ-17	0816.2063.02	May 29, 2013	1 Year

3.2. For Radiated Emission Measurement

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☑	EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 29, 2013	1 Year
☑	Pre-Amplifier	HP	8447D	2944A07999	May 29, 2013	1 Year
☑	Bilog Antenna	Schwarzbeck	VULB9163	142	May 11, 2013	1 Year
☐	Loop Antenna	Schwarzbeck	FMZB 1519	012	May 11, 2013	1 Year
☐	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	May 11, 2013	1 Year
☑	Horn Antenna	Schwarzbeck	BBHA 9120	D143	May 11, 2013	1 Year
☑	Cable	Schwarzbeck	AK9513	ACRX1	May 29, 2013	1 Year
☑	Cable	Rosenberger	N/A	FP2RX2	May 29, 2013	1 Year
☑	Cable	Schwarzbeck	AK9513	CRPX1	May 29, 2013	1 Year
☑	Cable	Schwarzbeck	AK9513	CRRX2	May 29, 2013	1 Year
☑	Pre-Amplifier	A.H.	PAM-0126	1415261	May 29, 2013	1 Year

4. POWER LINE CONDUCTED EMISSION MEASUREMENT

4.1. Block Diagram of Test Setup



(EUT: LCD Monitor)

4.2. Measuring Standard

FCC Part 15, Subpart B, Class B ANSI C63.4: 2009

4.3. Power Line Conducted Emission Limits (Class B)

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *
0.50 ~ 5.00	56.0	46.0
5.00 ~ 30.00	60.0	50.0
NOTE1-The lower limit shall apply at the transition frequencies. NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.		

4.4. EUT Configuration on Measurement

The following equipments are installed on Conducted Emission Measurement to meet FCC requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

EUT	:	LCD Monitor
Model Number	:	G22SP+, C22SP+

4.5. Operating Condition of EUT

4.5.1. Setup the EUT as shown on Section 4.1.

4.5.2. Turn on the power of all equipments.

4.5.3. Let the EUT work in measuring mode (VGA mode 1600*1200, DP mode 1600*1200, DVI mode 1600*1200) and measure it.

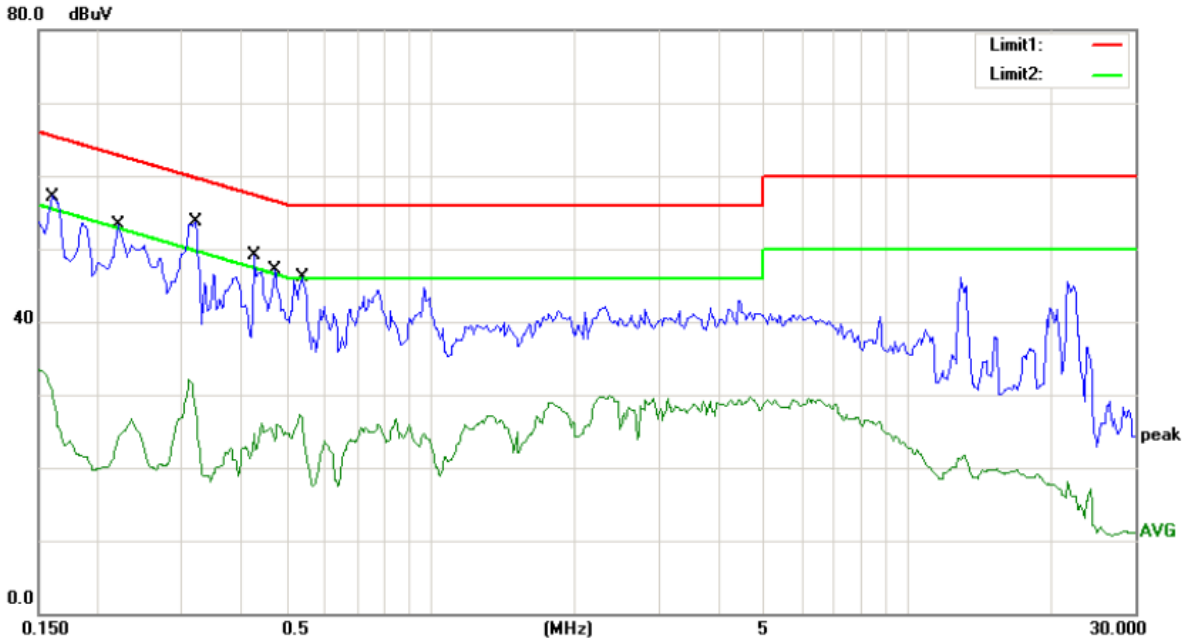
4.6. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and connected to the AC mains through Line Impedance Stability Network (L.I.S.N). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are investigated to find out the maximum conducted emission according to the FCC regulations during conducted emission measurement.
The bandwidth of the field strength meter (R&S Test Receiver ESCS30) is set at 9kHz in 150kHz~30MHz and 200Hz in 9kHz~150kHz.
The frequency range from 150kHz to 30MHz is investigated.
All the modes were tested and the data are attached the following pages.

4.7. Measuring Results

PASS.

Please refer to following pages.



Site Conduction #2 Phase: *L1* Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

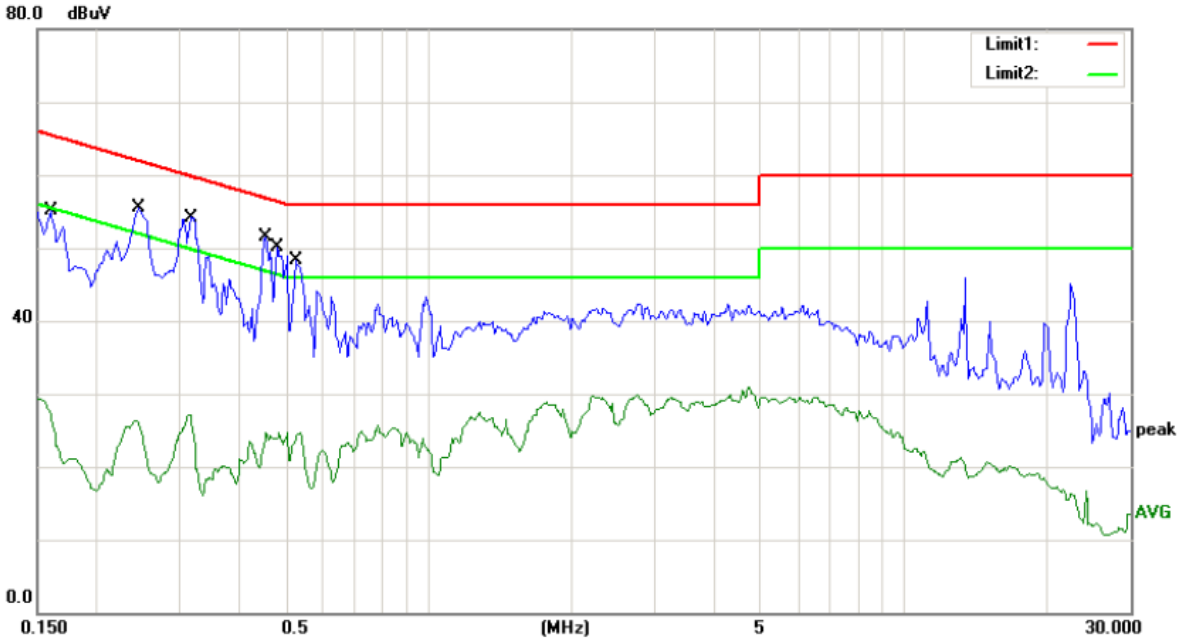
M/N: G22SP+

Mode: DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1600	57.20	0.00	57.20	65.46	-8.26	QP	
2		0.1600	32.62	0.00	32.62	55.46	-22.84	AVG	
3		0.2200	53.21	0.00	53.21	62.82	-9.61	QP	
4		0.2200	25.54	0.00	25.54	52.82	-27.28	AVG	
5		0.3200	50.30	0.00	50.30	59.71	-9.41	QP	
6		0.3200	32.14	0.00	32.14	49.71	-17.57	AVG	
7	*	0.4250	49.11	0.00	49.11	57.35	-8.24	QP	
8		0.4250	24.61	0.00	24.61	47.35	-22.74	AVG	
9		0.4700	47.17	0.00	47.17	56.51	-9.34	QP	
10		0.4700	25.97	0.00	25.97	46.51	-20.54	AVG	
11		0.5350	46.10	0.00	46.10	56.00	-9.90	QP	
12		0.5350	27.26	0.00	27.26	46.00	-18.74	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: N Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

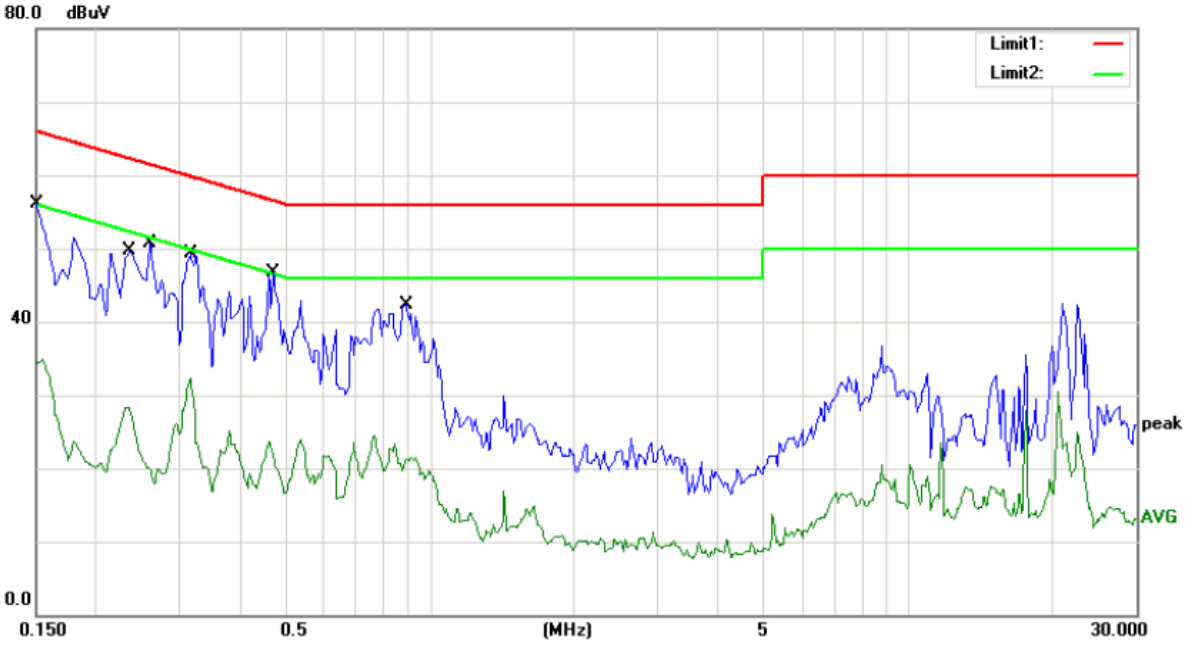
M/N: G22SP+

Mode: DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1600	55.01	0.00	55.01	65.46	-10.45	QP	
2		0.1600	27.63	0.00	27.63	55.46	-27.83	AVG	
3		0.2450	55.53	0.00	55.53	61.92	-6.39	QP	
4		0.2450	26.33	0.00	26.33	51.92	-25.59	AVG	
5		0.3150	51.20	0.00	51.20	59.84	-8.64	QP	
6		0.3150	27.09	0.00	27.09	49.84	-22.75	AVG	
7		0.4550	48.50	0.00	48.50	56.78	-8.28	QP	
8		0.4550	24.70	0.00	24.70	46.78	-22.08	AVG	
9	*	0.4800	50.02	0.00	50.02	56.34	-6.32	QP	
10		0.4800	24.64	0.00	24.64	46.34	-21.70	AVG	
11		0.5250	48.34	0.00	48.34	56.00	-7.66	QP	
12		0.5250	24.63	0.00	24.63	46.00	-21.37	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: *L1* Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

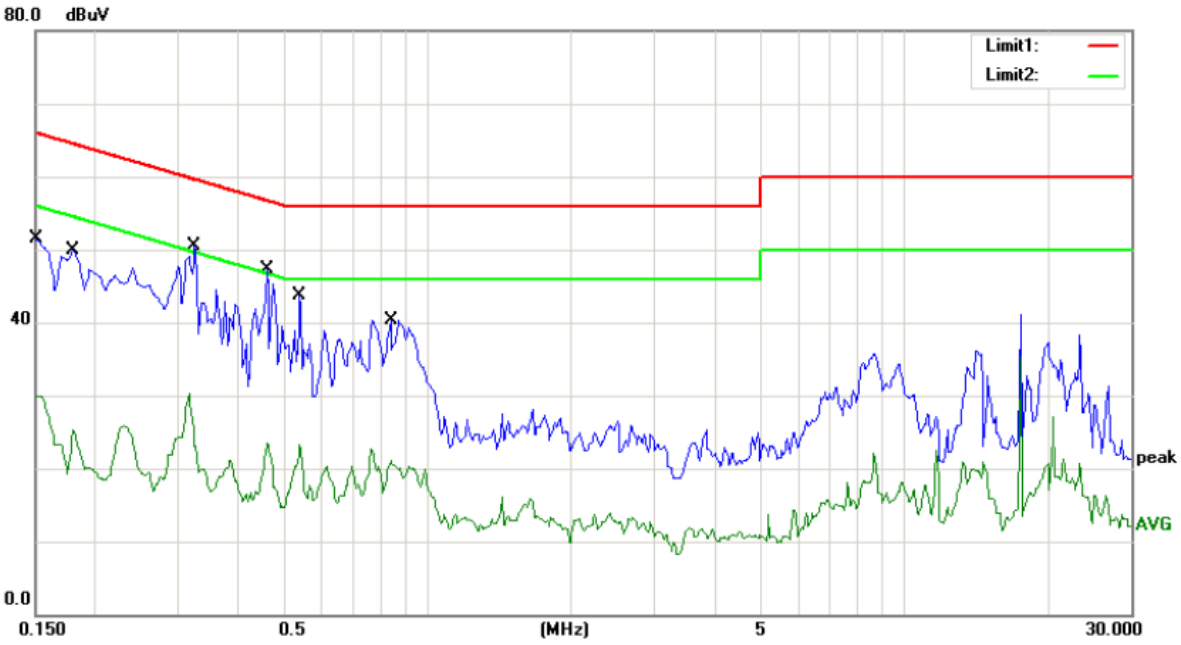
M/N: G22SP+

Mode: DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	56.14	0.00	56.14	66.00	-9.86	QP	
2		0.1500	34.85	0.00	34.85	56.00	-21.15	AVG	
3		0.2350	49.69	0.00	49.69	62.27	-12.58	QP	
4		0.2350	28.36	0.00	28.36	52.27	-23.91	AVG	
5		0.2600	50.67	0.00	50.67	61.43	-10.76	QP	
6		0.2600	20.14	0.00	20.14	51.43	-31.29	AVG	
7		0.3150	49.23	0.00	49.23	59.84	-10.61	QP	
8		0.3150	32.39	0.00	32.39	49.84	-17.45	AVG	
9	*	0.4700	46.67	0.00	46.67	56.51	-9.84	QP	
10		0.4700	22.61	0.00	22.61	46.51	-23.90	AVG	
11		0.8900	42.28	0.00	42.28	56.00	-13.72	QP	
12		0.8900	21.54	0.00	21.54	46.00	-24.46	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: N Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

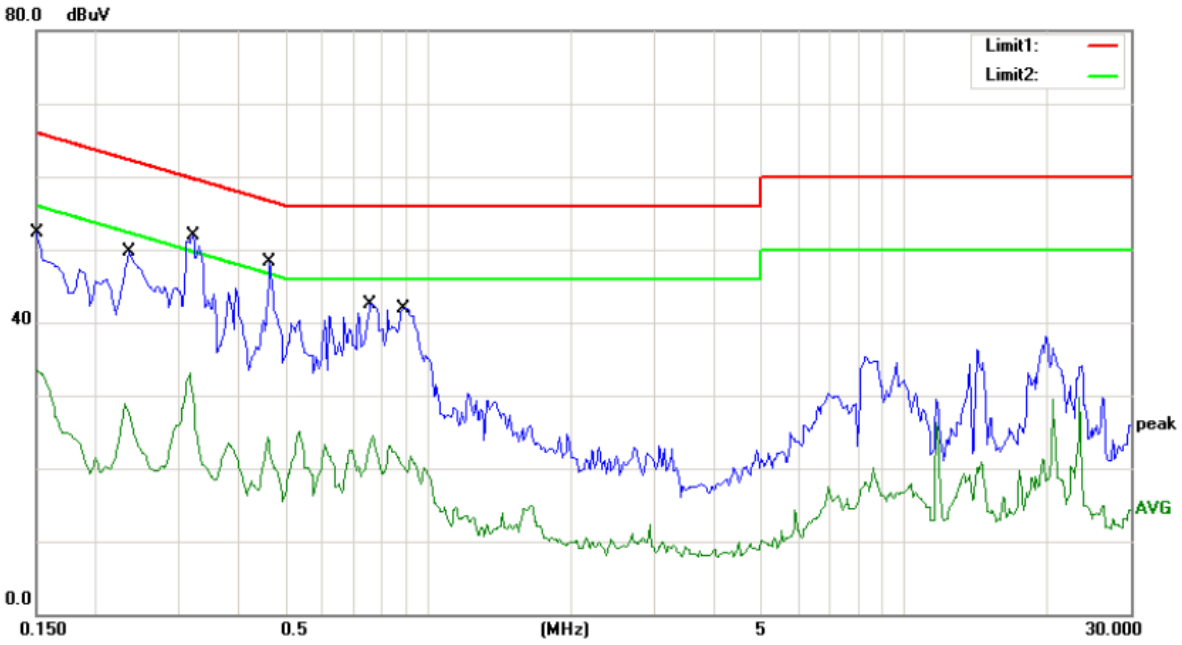
M/N: G22SP+

Mode: DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	51.56	0.00	51.56	66.00	-14.44	QP	
2		0.1500	29.97	0.00	29.97	56.00	-26.03	AVG	
3		0.1800	49.80	0.00	49.80	64.49	-14.69	QP	
4		0.1800	25.29	0.00	25.29	54.49	-29.20	AVG	
5	*	0.3250	50.47	0.00	50.47	59.58	-9.11	QP	
6		0.3250	27.84	0.00	27.84	49.58	-21.74	AVG	
7		0.4600	47.39	0.00	47.39	56.69	-9.30	QP	
8		0.4600	23.54	0.00	23.54	46.69	-23.15	AVG	
9		0.5400	43.73	0.00	43.73	56.00	-12.27	QP	
10		0.5400	23.34	0.00	23.34	46.00	-22.66	AVG	
11		0.8350	40.31	0.00	40.31	56.00	-15.69	QP	
12		0.8350	21.02	0.00	21.02	46.00	-24.98	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: L1 Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

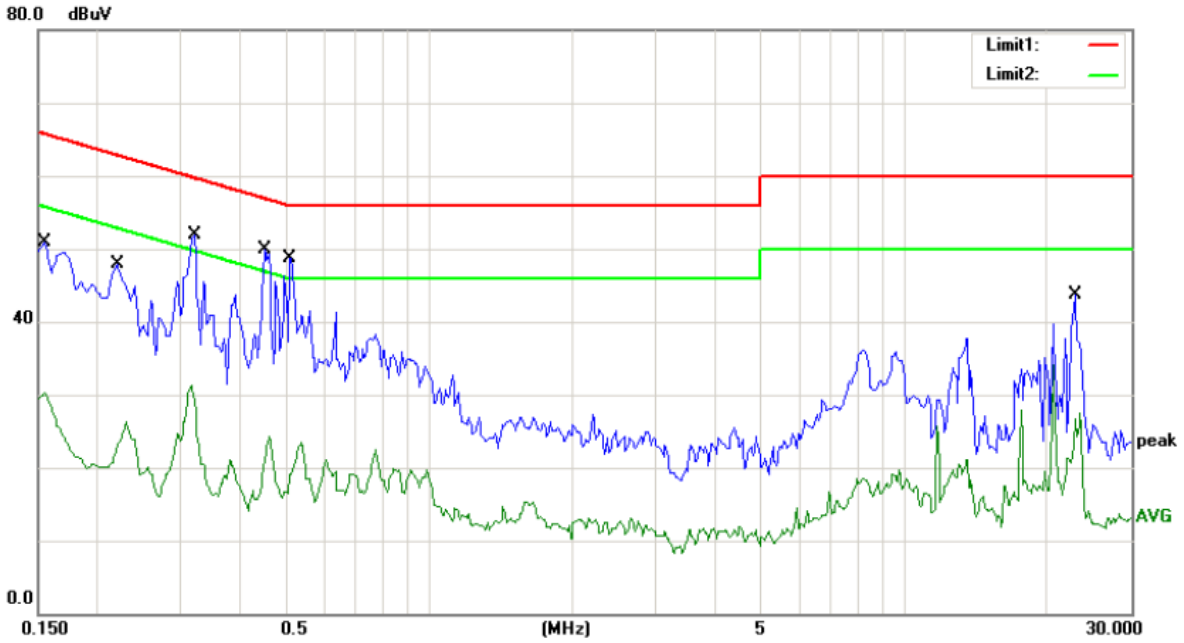
M/N: G22SP+

Mode: VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	52.34	0.00	52.34	66.00	-13.66	QP	
2		0.1500	33.48	0.00	33.48	56.00	-22.52	AVG	
3		0.2350	49.67	0.00	49.67	62.27	-12.60	QP	
4		0.2350	28.92	0.00	28.92	52.27	-23.35	AVG	
5	*	0.3200	51.93	0.00	51.93	59.71	-7.78	QP	
6		0.3200	33.04	0.00	33.04	49.71	-16.67	AVG	
7		0.4650	48.36	0.00	48.36	56.60	-8.24	QP	
8		0.4650	24.25	0.00	24.25	46.60	-22.35	AVG	
9		0.7550	42.43	0.00	42.43	56.00	-13.57	QP	
10		0.7550	24.54	0.00	24.54	46.00	-21.46	AVG	
11		0.8850	41.98	0.00	41.98	56.00	-14.02	QP	
12		0.8850	21.69	0.00	21.69	46.00	-24.31	AVG	

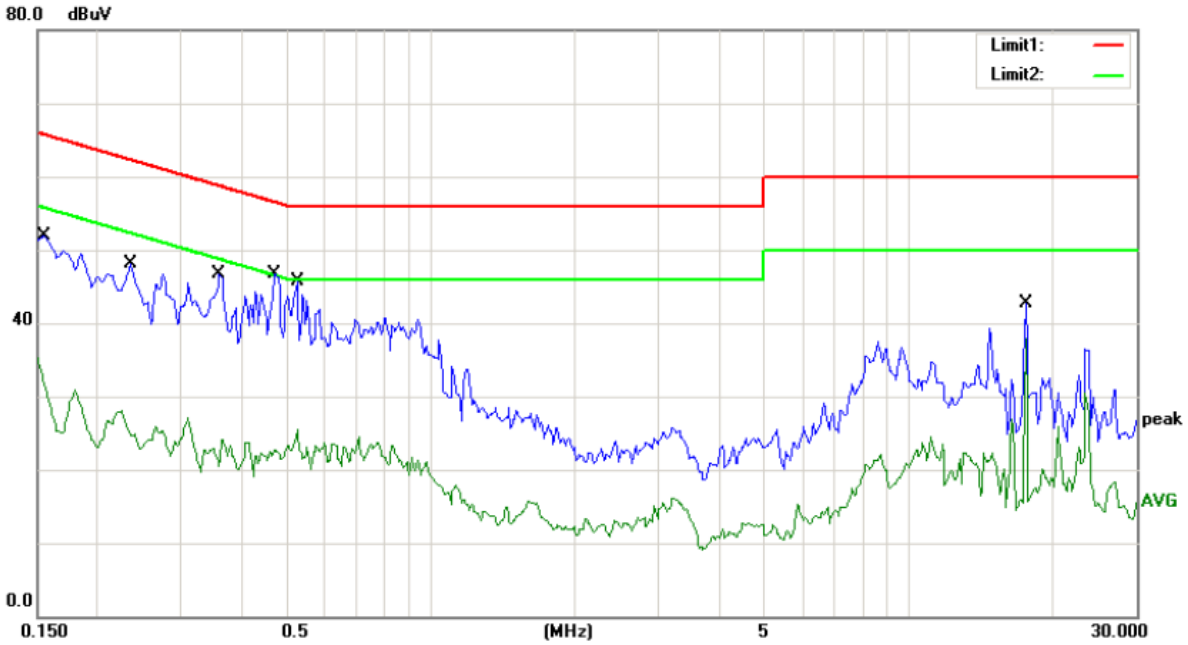
*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: N Temperature: 22
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: G22SP+
Mode: VGA(1600*1200)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	50.99	0.00	50.99	65.73	-14.74	QP	
2		0.1550	30.30	0.00	30.30	55.73	-25.43	AVG	
3		0.2200	47.82	0.00	47.82	62.82	-15.00	QP	
4		0.2200	26.36	0.00	26.36	52.82	-26.46	AVG	
5		0.3200	51.89	0.00	51.89	59.71	-7.82	QP	
6		0.3200	31.37	0.00	31.37	49.71	-18.34	AVG	
7	*	0.4500	49.87	0.00	49.87	56.88	-7.01	QP	
8		0.4500	24.31	0.00	24.31	46.88	-22.57	AVG	
9		0.5100	48.68	0.00	48.68	56.00	-7.32	QP	
10		0.5100	21.96	0.00	21.96	46.00	-24.04	AVG	
11		22.8750	43.74	0.00	43.74	60.00	-16.26	QP	
12		22.8750	27.57	0.00	27.57	50.00	-22.43	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: *L1* Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

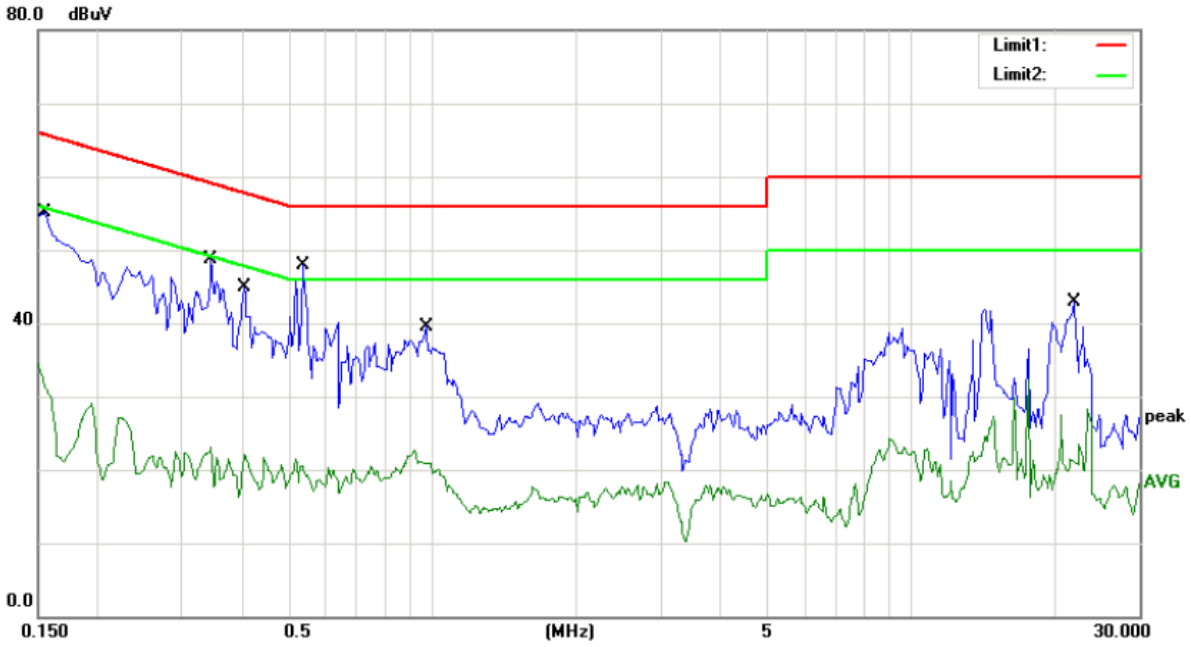
M/N: C22SP+

Mode: VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	51.95	0.00	51.95	65.73	-13.78	QP	
2		0.1550	35.37	0.00	35.37	55.73	-20.36	AVG	
3		0.2350	48.18	0.00	48.18	62.27	-14.09	QP	
4		0.2350	27.37	0.00	27.37	52.27	-24.90	AVG	
5		0.3600	46.67	0.00	46.67	58.73	-12.06	QP	
6		0.3600	24.05	0.00	24.05	48.73	-24.68	AVG	
7	*	0.4700	46.67	0.00	46.67	56.51	-9.84	QP	
8		0.4700	22.71	0.00	22.71	46.51	-23.80	AVG	
9		0.5250	45.63	0.00	45.63	56.00	-10.37	QP	
10		0.5250	25.44	0.00	25.44	46.00	-20.56	AVG	
11		17.5750	42.67	0.00	42.67	60.00	-17.33	QP	
12		17.5750	37.80	0.00	37.80	50.00	-12.20	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: N Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

M/N: C22SP+

Mode: VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	55.19	0.00	55.19	65.73	-10.54	QP	
2		0.1550	34.53	0.00	34.53	55.73	-21.20	AVG	
3		0.3450	48.65	0.00	48.65	59.08	-10.43	QP	
4		0.3450	23.04	0.00	23.04	49.08	-26.04	AVG	
5		0.4050	44.98	0.00	44.98	57.75	-12.77	QP	
6		0.4050	22.07	0.00	22.07	47.75	-25.68	AVG	
7	*	0.5350	47.86	0.00	47.86	56.00	-8.14	QP	
8		0.5350	21.47	0.00	21.47	46.00	-24.53	AVG	
9		0.9700	39.60	0.00	39.60	56.00	-16.40	QP	
10		0.9700	21.02	0.00	21.02	46.00	-24.98	AVG	
11		21.9250	42.90	0.00	42.90	60.00	-17.10	QP	
12		21.9250	23.45	0.00	23.45	50.00	-26.55	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL

Site Conduction #2 Phase: L1 Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

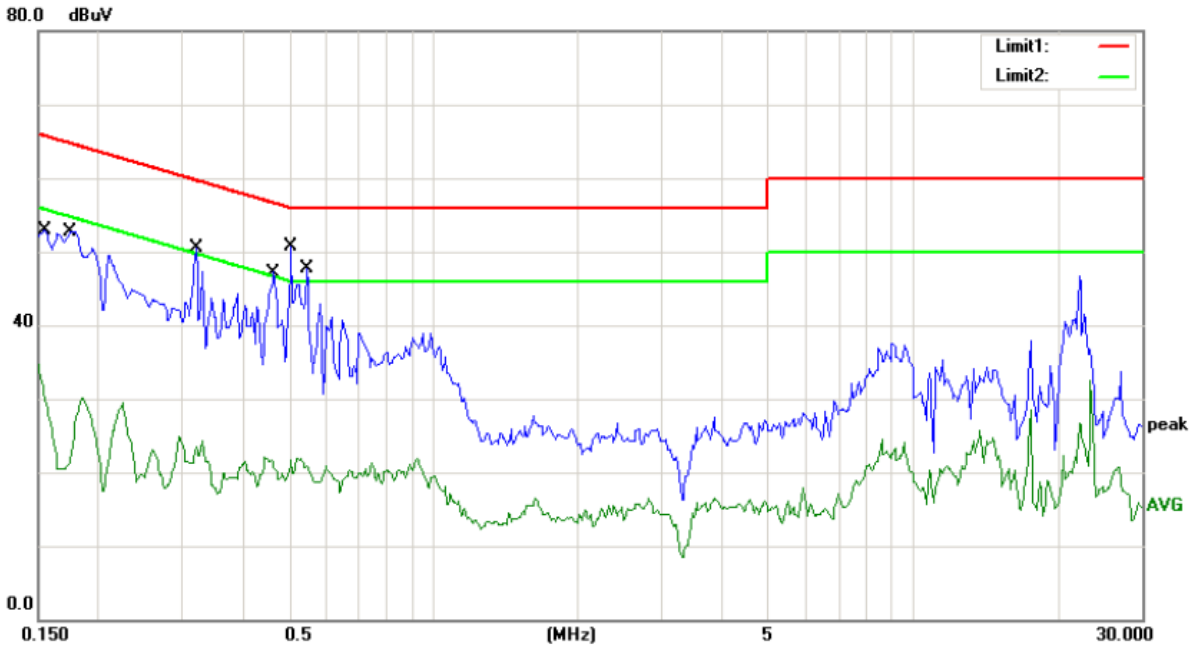
M/N: C22SP+

Mode: DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	56.60	0.00	56.60	65.73	-9.13	QP	
2		0.1550	39.93	0.00	39.93	55.73	-15.80	AVG	
3		0.2850	52.10	0.00	52.10	60.67	-8.57	QP	
4		0.2850	29.72	0.00	29.72	50.67	-20.95	AVG	
5		0.3100	49.79	0.00	49.79	59.97	-10.18	QP	
6		0.3100	27.16	0.00	27.16	49.97	-22.81	AVG	
7	*	0.4700	50.20	0.00	50.20	56.51	-6.31	QP	
8		0.4700	24.09	0.00	24.09	46.51	-22.42	AVG	
9		0.5500	48.50	0.00	48.50	56.00	-7.50	QP	
10		0.5500	24.58	0.00	24.58	46.00	-21.42	AVG	
11		1.0000	40.57	0.00	40.57	56.00	-15.43	QP	
12		1.0000	23.08	0.00	23.08	46.00	-22.92	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: N Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

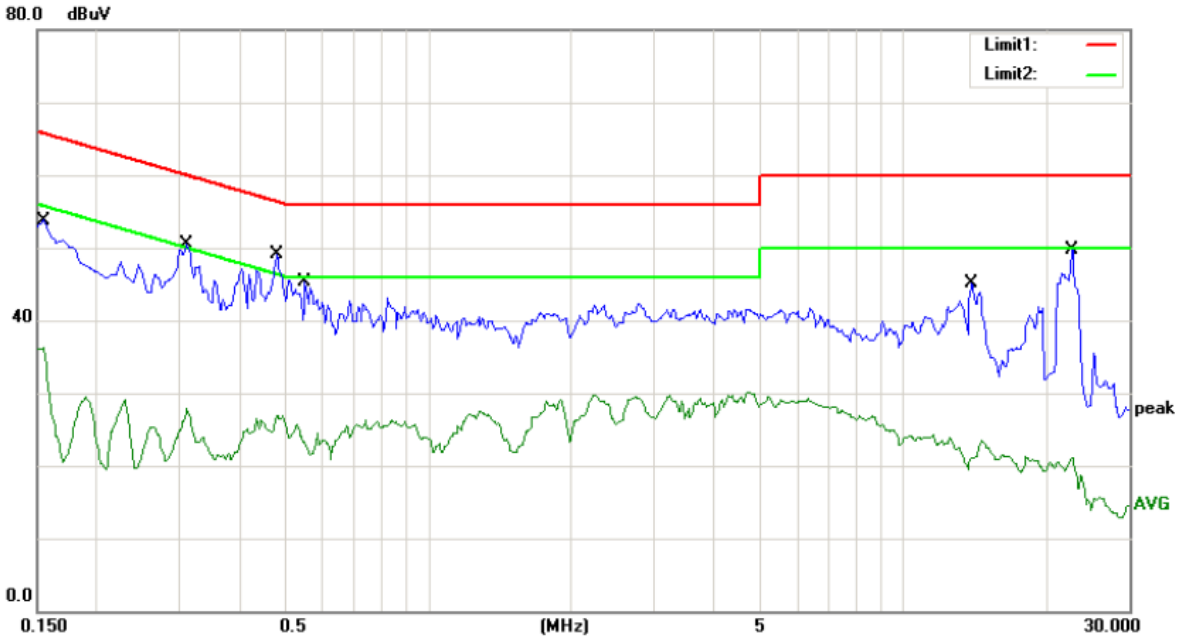
M/N: C22SP+

Mode: DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	52.96	0.00	52.96	65.73	-12.77	QP	
2		0.1550	34.67	0.00	34.67	55.73	-21.06	AVG	
3		0.1750	52.71	0.00	52.71	64.72	-12.01	QP	
4		0.1750	28.94	0.00	28.94	54.72	-25.78	AVG	
5		0.3200	50.49	0.00	50.49	59.71	-9.22	QP	
6		0.3200	24.29	0.00	24.29	49.71	-25.42	AVG	
7		0.4650	47.20	0.00	47.20	56.60	-9.40	QP	
8		0.4650	22.10	0.00	22.10	46.60	-24.50	AVG	
9		0.5050	47.20	0.00	47.20	56.00	-8.80	QP	
10		0.5050	21.89	0.00	21.89	46.00	-24.11	AVG	
11	*	0.5450	47.71	0.00	47.71	56.00	-8.29	QP	
12		0.5450	21.82	0.00	21.82	46.00	-24.18	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: *L1* Temperature: 22

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

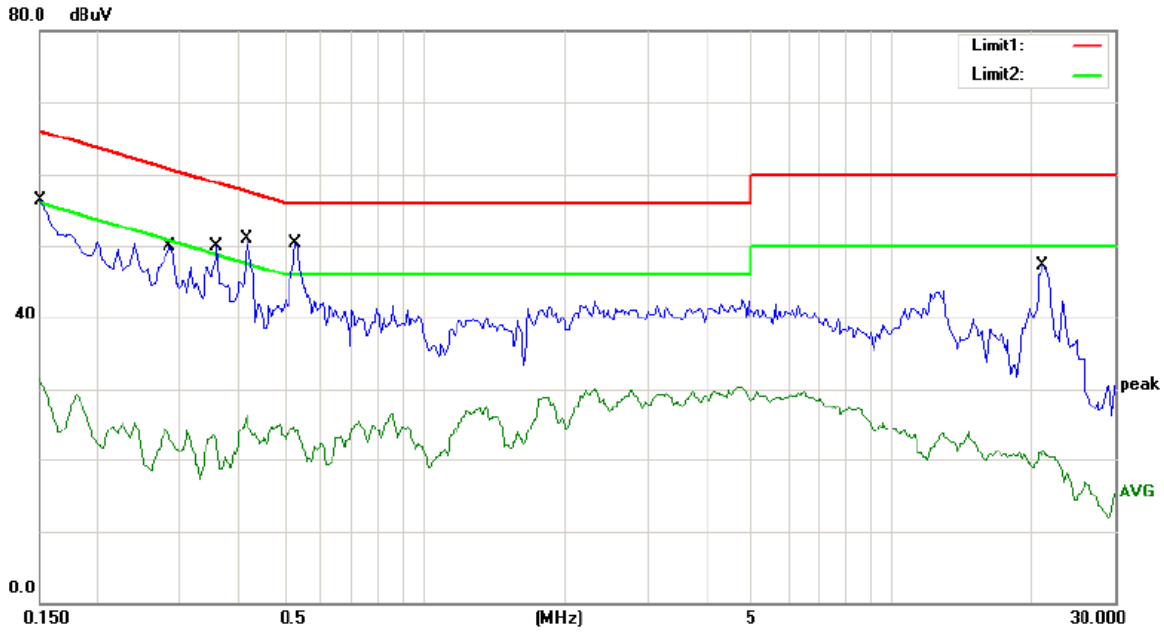
M/N: C22SP+

Mode: DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	53.80	0.00	53.80	65.73	-11.93	QP	
2		0.1550	36.21	0.00	36.21	55.73	-19.52	AVG	
3		0.3100	50.59	0.00	50.59	59.97	-9.38	QP	
4		0.3100	27.81	0.00	27.81	49.97	-22.16	AVG	
5	*	0.4800	49.10	0.00	49.10	56.34	-7.24	QP	
6		0.4800	26.96	0.00	26.96	46.34	-19.38	AVG	
7		0.5500	45.29	0.00	45.29	56.00	-10.71	QP	
8		0.5500	25.63	0.00	25.63	46.00	-20.37	AVG	
9		13.9750	45.01	0.00	45.01	60.00	-14.99	QP	
10		13.9750	22.20	0.00	22.20	50.00	-27.80	AVG	
11		22.7750	49.63	0.00	49.63	60.00	-10.37	QP	
12		22.7750	21.12	0.00	21.12	50.00	-28.88	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL



Site Conduction #2 Phase: N Temperature: 22
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: C22SP+
Mode: DP(1600*1200)
Note:

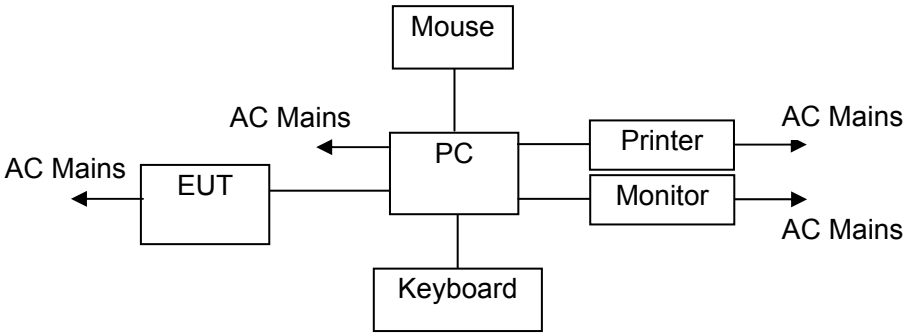
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	56.29	0.00	56.29	66.00	-9.71	QP	
2		0.1500	31.42	0.00	31.42	56.00	-24.58	AVG	
3		0.2850	50.00	0.00	50.00	60.67	-10.67	QP	
4		0.2850	24.41	0.00	24.41	50.67	-26.26	AVG	
5		0.3600	49.94	0.00	49.94	58.73	-8.79	QP	
6		0.3600	23.45	0.00	23.45	48.73	-25.28	AVG	
7	*	0.4150	50.84	0.00	50.84	57.55	-6.71	QP	
8		0.4150	26.30	0.00	26.30	47.55	-21.25	AVG	
9		0.5300	46.20	0.00	46.20	56.00	-9.80	QP	
10		0.5300	24.79	0.00	24.79	46.00	-21.21	AVG	
11		21.1000	47.37	0.00	47.37	60.00	-12.63	QP	
12		21.1000	21.38	0.00	21.38	50.00	-28.62	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL

5. RADIATED EMISSION MEASUREMENT

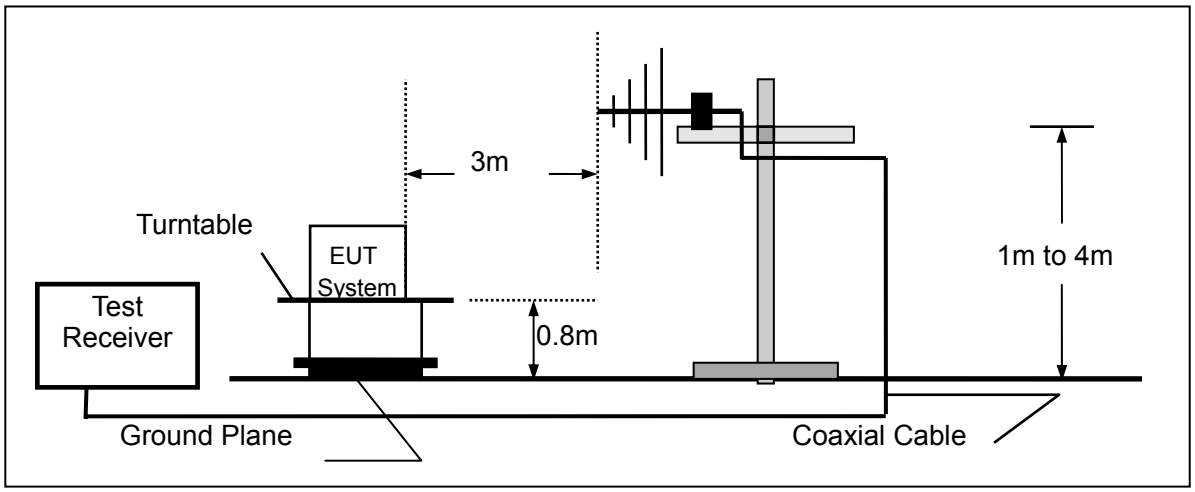
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of EUT System



(EUT: LCD Monitor)

5.1.2. Block diagram of test setup (In chamber)



(EUT: LCD Monitor)

5.2. Measuring Standard

FCC Part 15, Subpart B, Class B ANSI C63.4: 2009

5.3. Radiated Emission Limits (Class B)

Frequency MHz			Distance Meters	Field Strengths Limit	
				μV/m	dB(μV)/m
30	~	88	3	100	40.0
88	~	216	3	150	43.5
216	~	960	3	200	46.0
960	~	1000	3	500	54.0

Frequency (GHz)	Distance (Meters)	Field Strengths Limit	
		Average (dBμV/m)	Peak (dBμV/m)
1~6	3	54	74

Remark：(1) Emission level (dB)μV = 20 log Emission level μV/m
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

5.4. EUT Configuration on Measurement

The FCC Class B regulations test method must be used to find the maximum emission during radiated emission measurement.

EUT : LCD Monitor
Model Number : G22SP+, C22SP+

5.5. Operating Condition of EUT

5.5.1.Setup the EUT as shown on Section 5.1.

5.5.2.Turn on the power of all equipments.

5.5.3.Let the EUT work in measuring mode (VGA mode 1600*1200, DP mode 1600*1200, DVI mode 1600*1200) and measure it.

5.6. Test Procedure

The EUT is placed on a turn table which is 0.8 meter high above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Bilog antenna (calibrated by Dipole Antenna) is used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

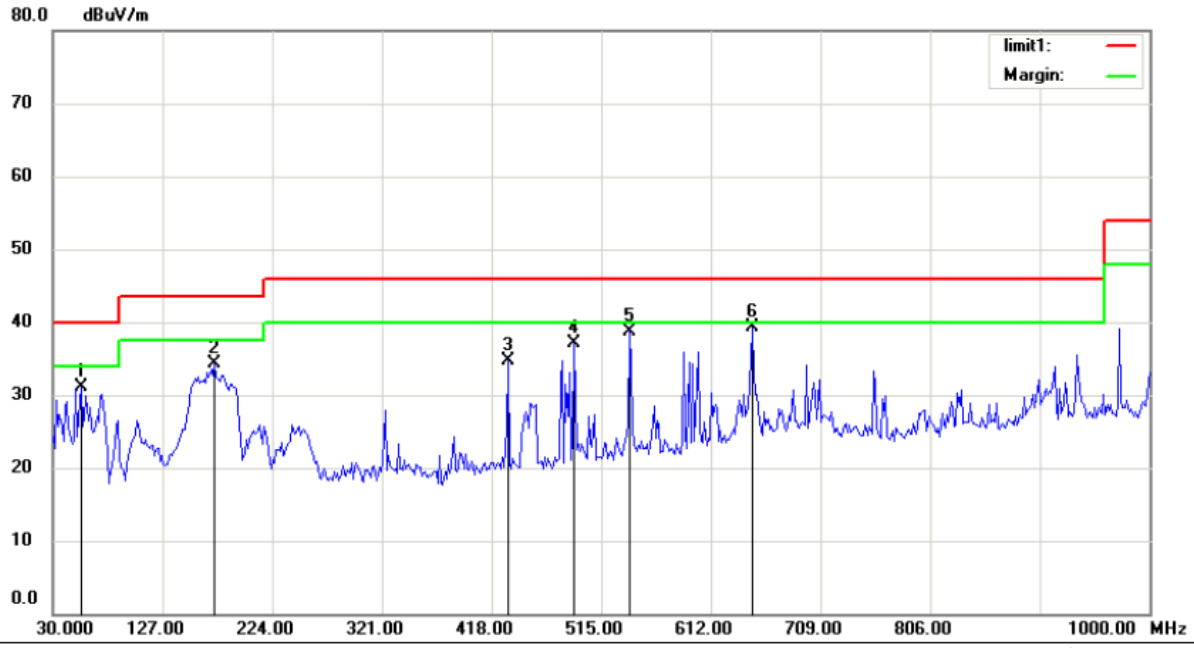
The bandwidth of the Receiver (ESU26) is set at 120kHz.
The worst scanning curves are attached in following pages.

5.7. Measuring Results

PASS.

The frequency range from 30MHz to 6000MHz is investigated.

Please refer to following pages.



Site 3m Chamber #1 Polarization: ***Horizontal*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

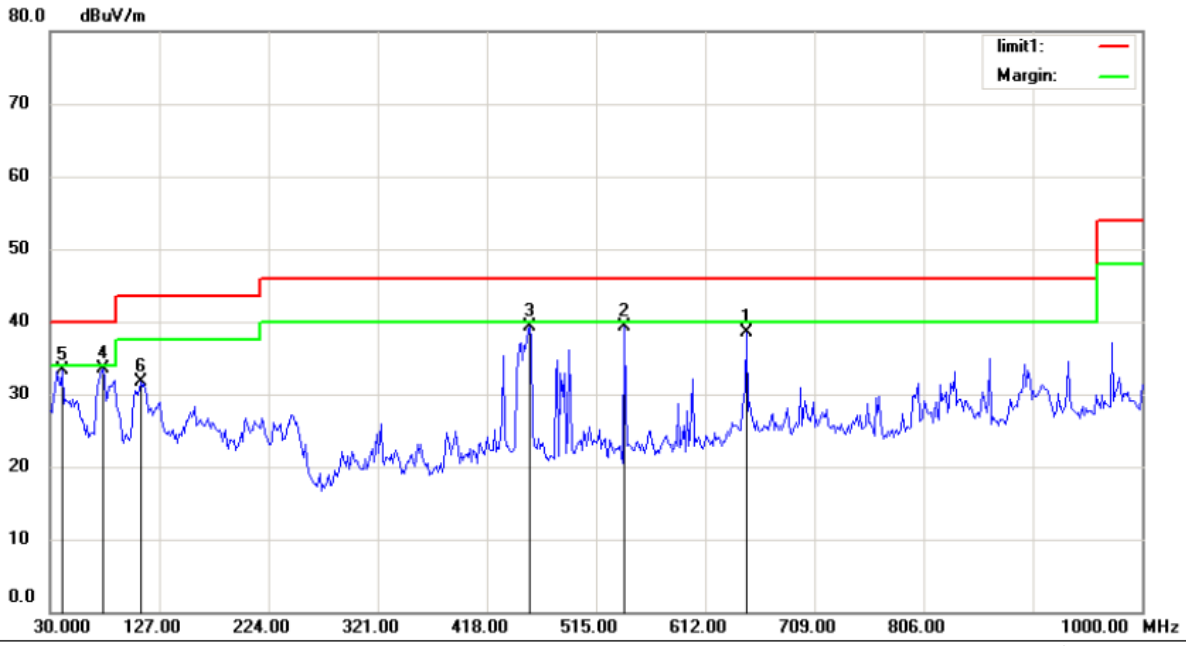
M/N: G22SP+

Mode:DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		54.8717	17.33	13.76	31.09	40.00	-8.91	QP			
2		173.0128	22.45	11.77	34.22	43.50	-9.28	QP			
3		432.6121	15.54	19.20	34.74	46.00	-11.26	QP			
4		491.6826	16.84	20.33	37.17	46.00	-8.83	QP			
5		539.8716	17.33	21.47	38.80	46.00	-7.20	QP			
6	*	648.6858	15.46	23.84	39.30	46.00	-6.70	QP			

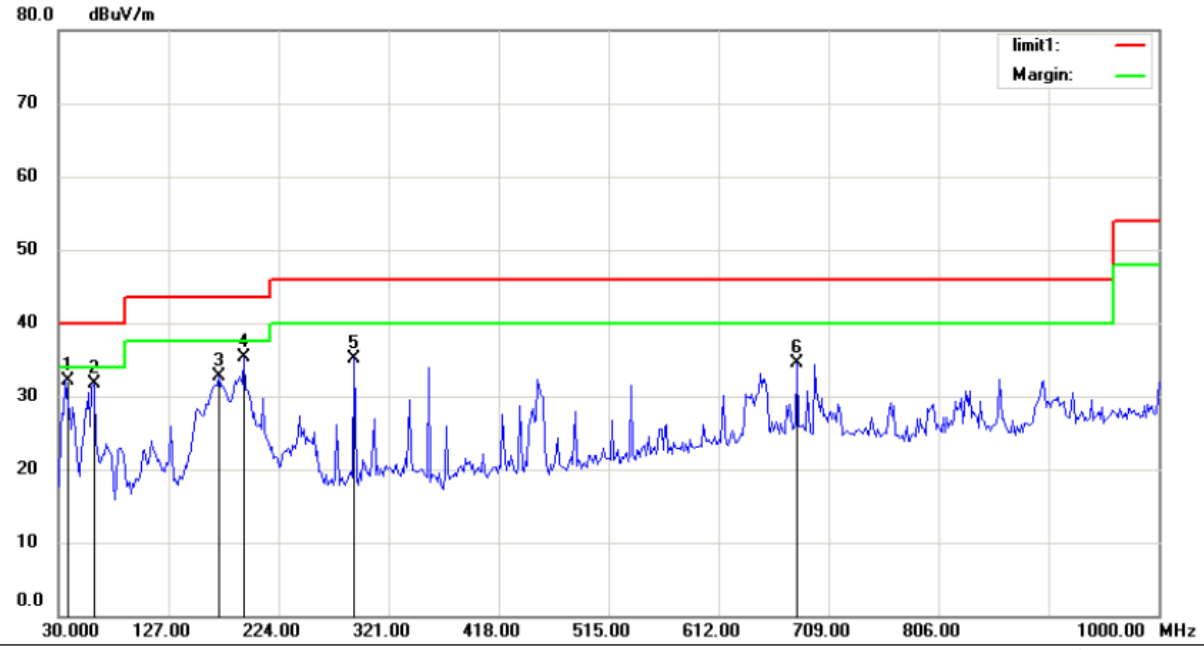
*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: G22SP+
Mode:DVI(1600*1200)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		648.6858	14.74	23.82	38.56	46.00	-7.44	QP			
2		539.8716	17.83	21.46	39.29	46.00	-6.71	QP			
3		455.9294	19.38	19.92	39.30	46.00	-6.70	QP			
4	*	76.6346	24.50	8.99	33.49	40.00	-6.51	QP			
5		40.8814	19.32	14.06	33.38	40.00	-6.62	QP			
6		110.8333	18.42	13.35	31.77	43.50	-11.73	QP			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: ***Horizontal*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

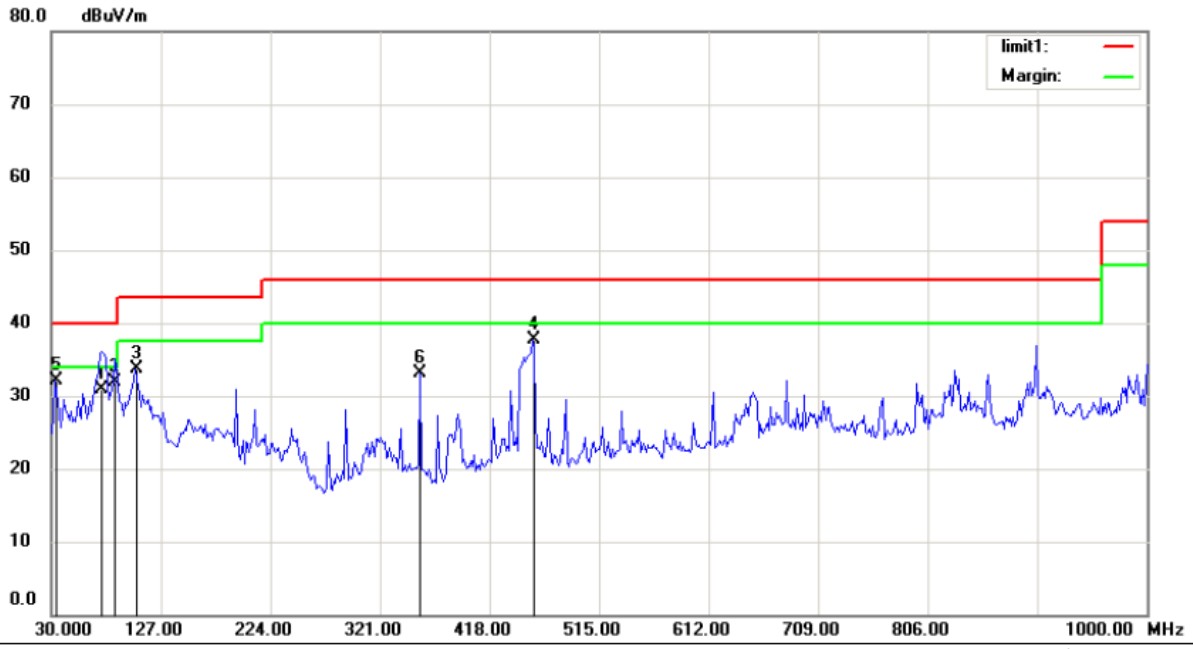
M/N: G22SP+

Mode:VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	36.2180	19.04	13.03	32.07	40.00	-7.93	QP			
2		61.0897	18.54	13.07	31.61	40.00	-8.39	QP			
3		171.4583	20.98	11.65	32.63	43.50	-10.87	QP			
4		193.2211	22.02	13.22	35.24	43.50	-8.26	QP			
5		291.1538	19.30	15.90	35.20	46.00	-10.80	QP			
6		681.3301	9.54	24.89	34.43	46.00	-11.57	QP			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: ***Vertical*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

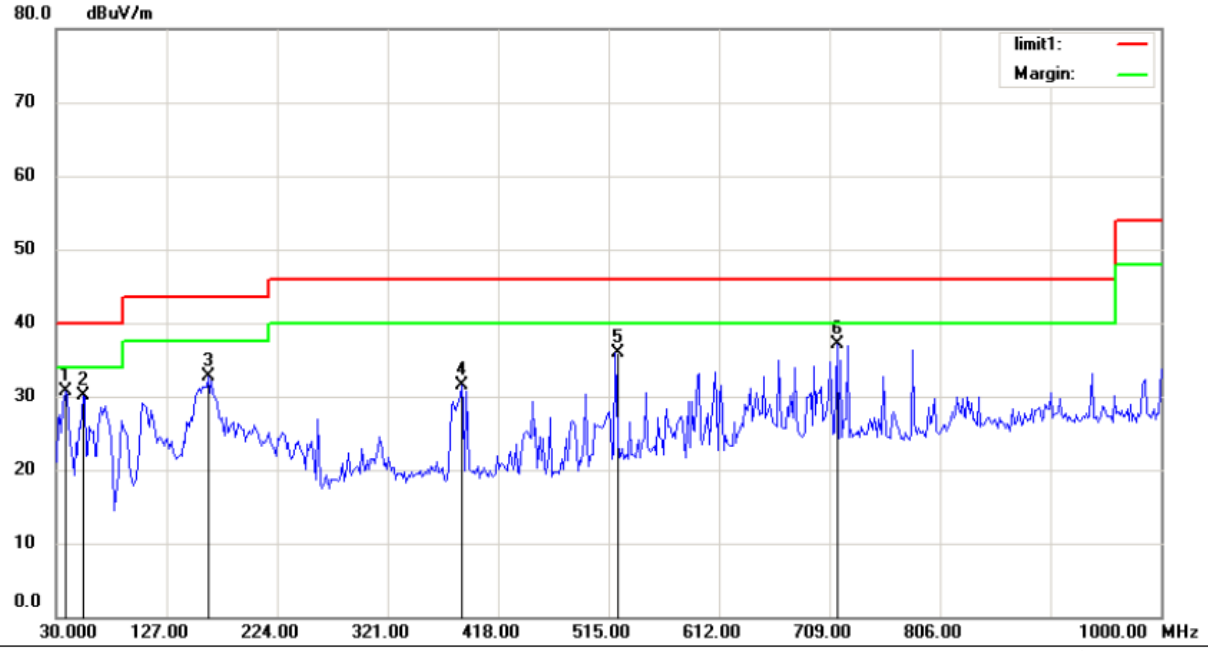
M/N: G22SP+

Mode:VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		75.0801	22.10	8.74	30.84	40.00	-9.16	QP			
2		85.9615	20.30	11.60	31.90	40.00	-8.10	QP			
3		104.6154	19.82	13.80	33.62	43.50	-9.88	QP			
4		455.9295	17.70	19.92	37.62	46.00	-8.38	QP			
5	*	33.1090	19.50	12.67	32.17	40.00	-7.83	QP			
6		356.4423	15.10	18.03	33.13	46.00	-12.87	QP			

*:Maximum data x:Over limit I:over margin Operator: KK



Site 3m Chamber #1 Polarization: ***Horizontal*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

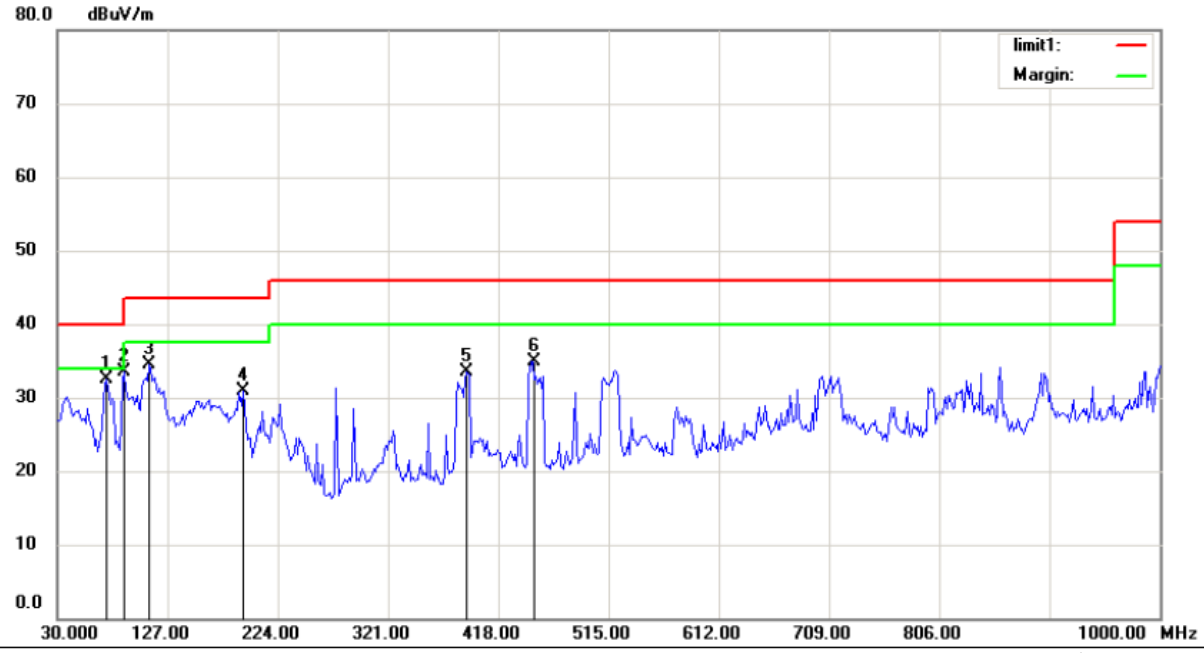
M/N: C22SP+

Mode:VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7724	17.34	13.45	30.79	40.00	-9.21	QP			
2		53.3173	16.38	13.80	30.18	40.00	-9.82	QP			
3		163.6858	21.50	11.30	32.80	43.50	-10.70	QP			
4		385.9775	13.35	18.19	31.54	46.00	-14.46	QP			
5		521.2180	14.93	21.01	35.94	46.00	-10.06	QP			
6	*	715.5288	12.98	24.20	37.18	46.00	-8.82	QP			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

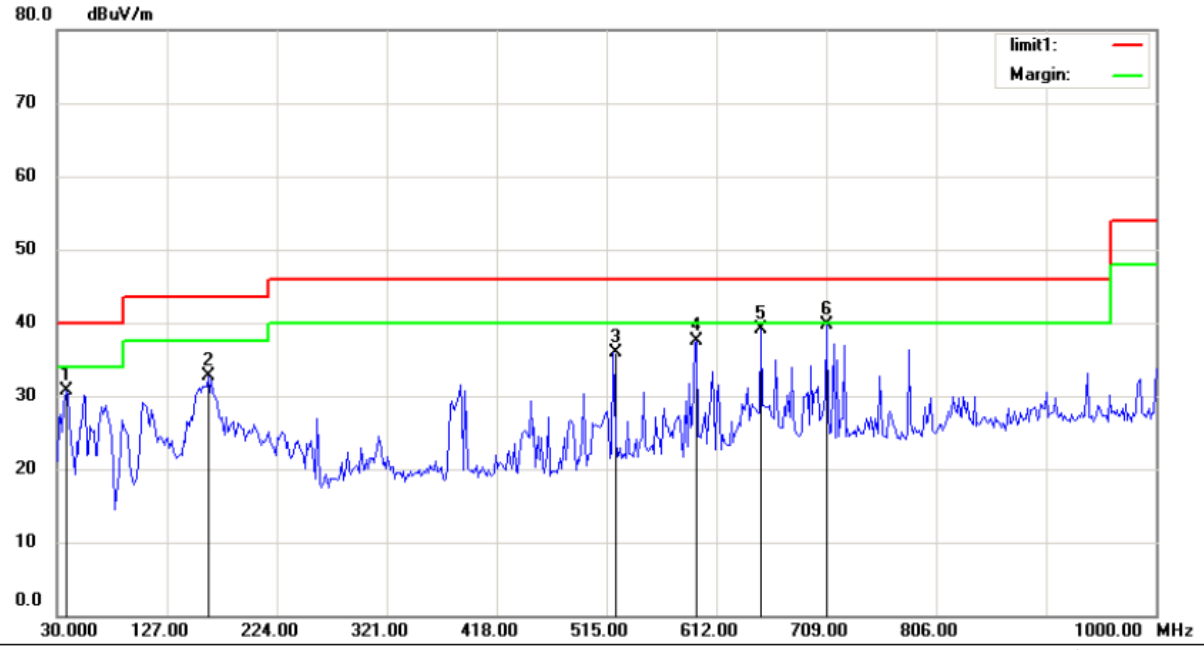
M/N: C22SP+

Mode:VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	73.5256	23.51	8.97	32.48	40.00	-7.52	QP			
2		89.0705	20.95	12.59	33.54	43.50	-9.96	QP			
3		110.8333	21.22	13.35	34.57	43.50	-8.93	QP			
4		193.2211	17.58	13.24	30.82	43.50	-12.68	QP			
5		390.6410	15.22	18.22	33.44	46.00	-12.56	QP			
6		448.1571	14.73	20.24	34.97	46.00	-11.03	QP			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: ***Horizontal*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

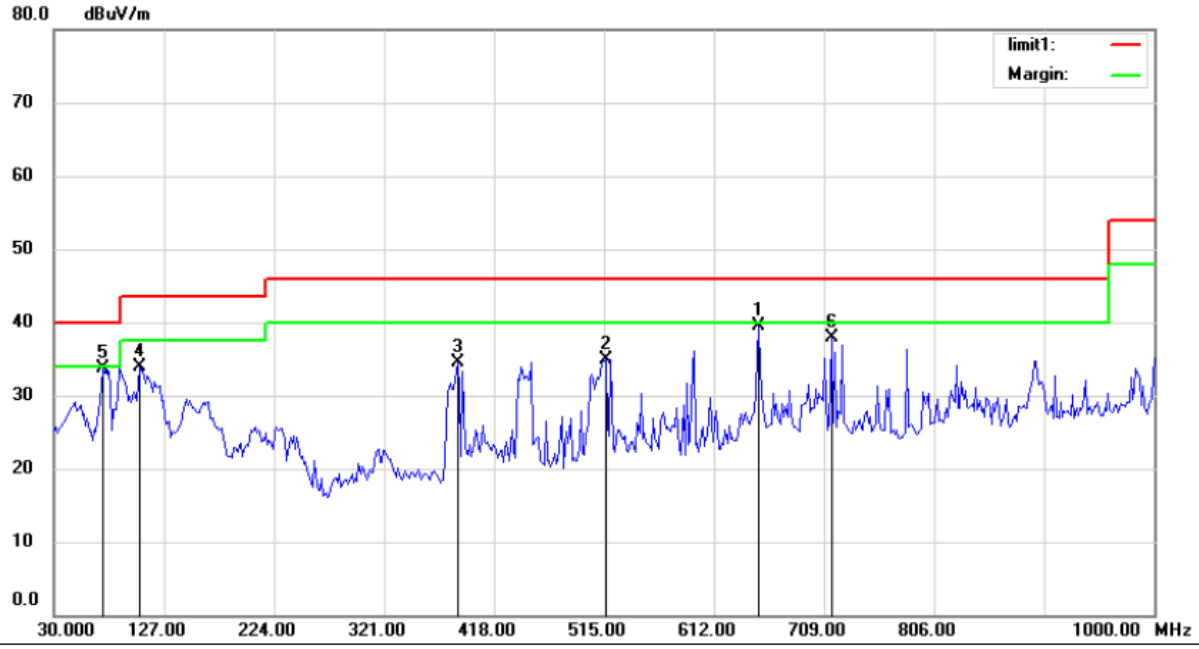
M/N: C22SP+

Mode:DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7724	17.34	13.45	30.79	40.00	-9.21	QP			
2		163.6858	21.50	11.30	32.80	43.50	-10.70	QP			
3		521.2180	14.93	21.01	35.94	46.00	-10.06	QP			
4		594.2788	15.35	22.19	37.54	46.00	-8.46	QP			
5		651.7948	15.24	23.94	39.18	46.00	-6.82	QP			
6	*	709.3108	15.45	24.22	39.67	46.00	-6.33	QP			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

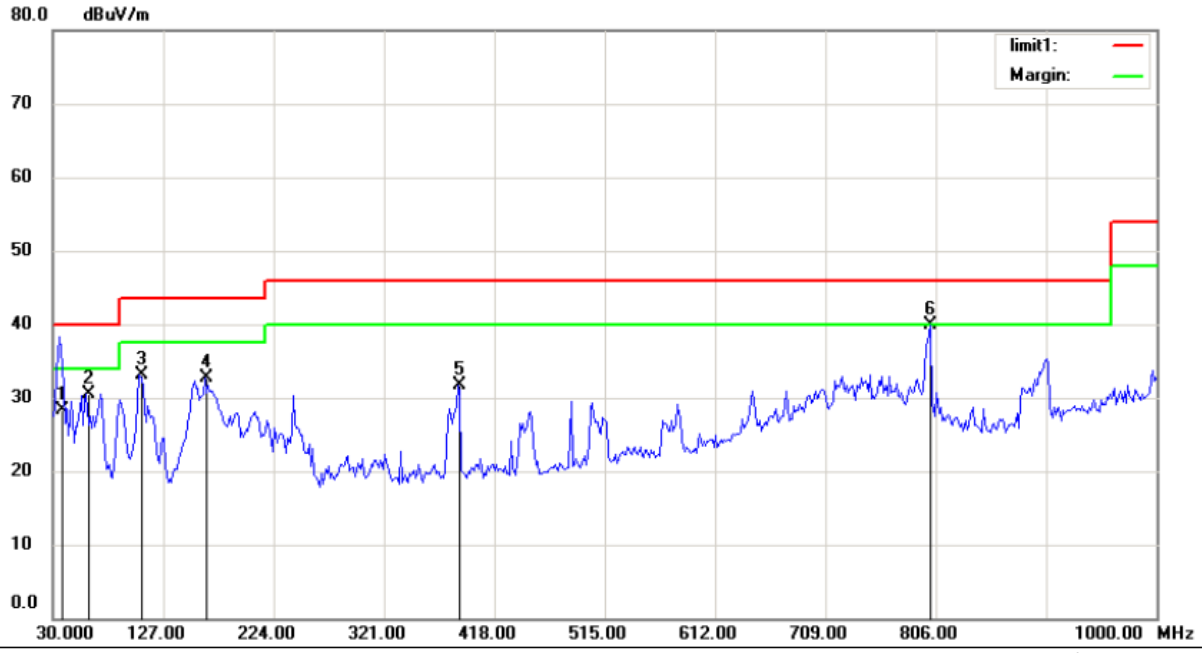
M/N: C22SP+

Mode:DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		651.7948	15.53	23.92	39.45	46.00	-6.55	QP			
2		516.5544	14.10	20.85	34.95	46.00	-11.05	QP			
3		385.9775	16.39	18.19	34.58	46.00	-11.42	QP			
4		106.1698	20.32	13.68	34.00	43.50	-9.50	QP			
5	*	73.5256	24.69	8.97	33.66	40.00	-6.34	QP			
6		715.5288	13.01	24.96	37.97	46.00	-8.03	QP			

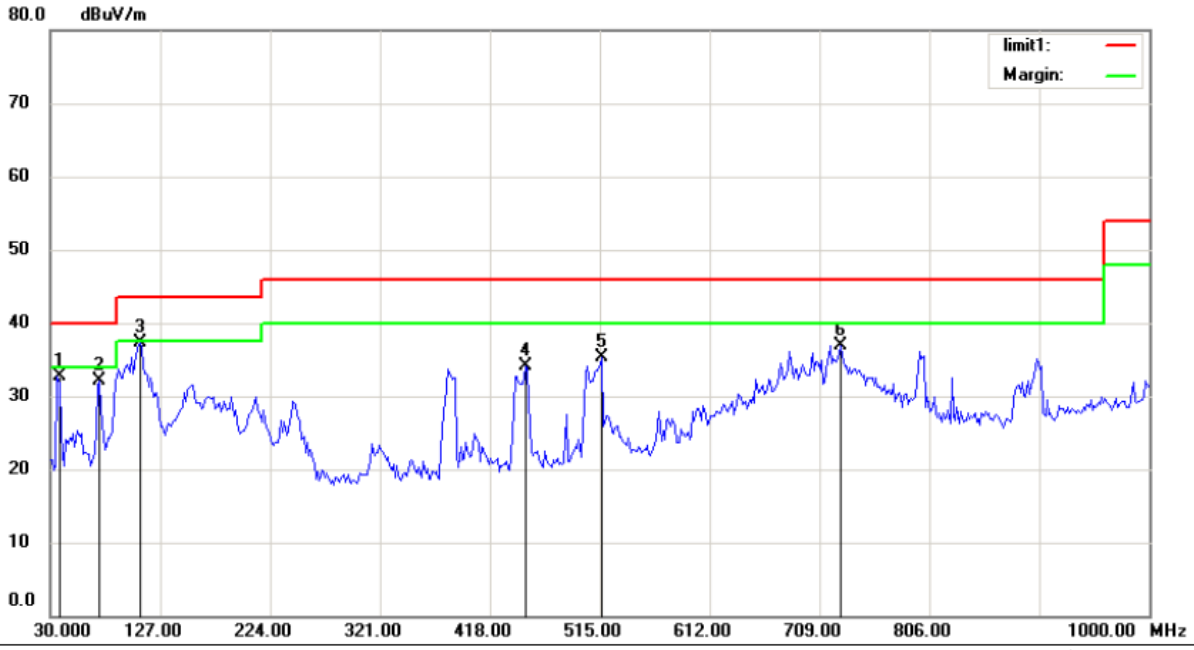
*:Maximum data x:Over limit I:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: C22SP+
Mode:DP(1600*1200)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		36.2180	15.30	13.03	28.33	40.00	-11.67	QP			
2		59.5353	17.04	13.53	30.57	40.00	-9.43	QP			
3		106.1700	19.47	13.69	33.16	43.50	-10.34	QP			
4		163.6860	21.45	11.30	32.75	43.50	-10.75	QP			
5		385.9776	13.55	18.19	31.74	46.00	-14.26	QP			
6	*	801.0256	15.37	24.62	39.99	46.00	-6.01	QP			

*:Maximum data x:Over limit I:over margin Operator: KK



Site 3m Chamber #1 Polarization: ***Vertical*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

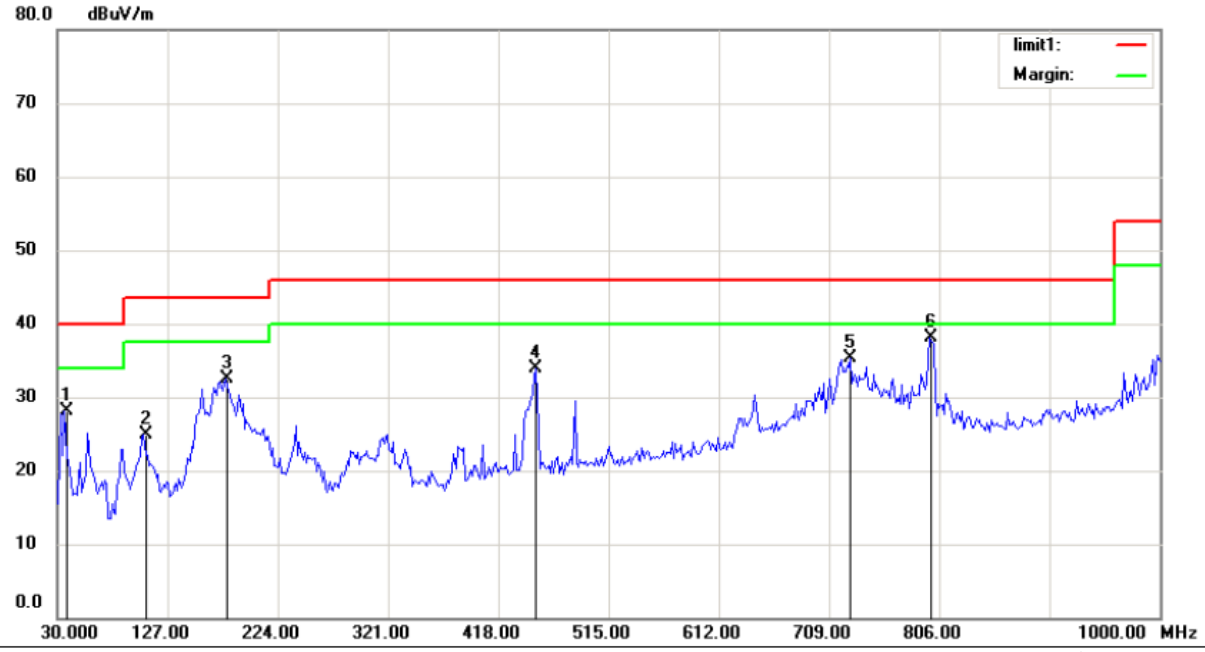
M/N: C22SP+

Mode:DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		36.2180	19.75	13.03	32.78	40.00	-7.22	QP			
2		73.5256	23.07	8.97	32.04	40.00	-7.96	QP			
3	*	109.2788	23.92	13.45	37.37	43.50	-6.13	QP			
4		449.7115	13.67	20.39	34.06	46.00	-11.94	QP			
5		516.5544	14.48	20.85	35.33	46.00	-10.67	QP			
6		727.9647	11.95	24.98	36.93	46.00	-9.07	QP			

*:Maximum data x:Over limit I:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

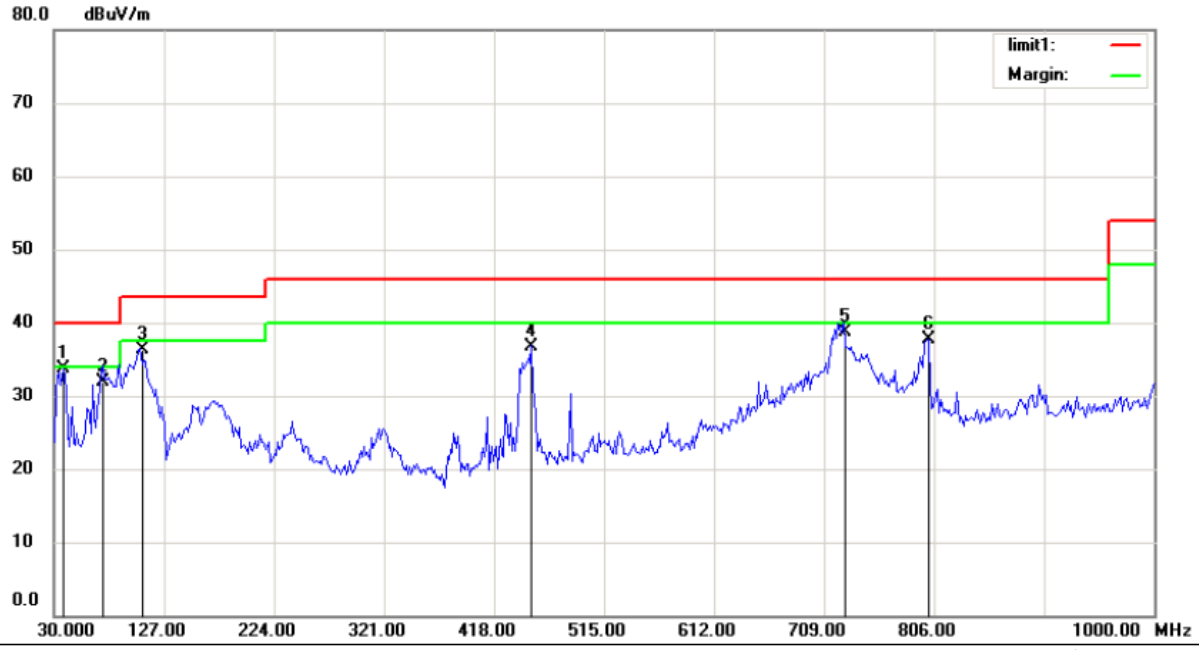
M/N: G22SP+

Mode:DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		36.2180	15.13	13.03	28.16	40.00	-11.84	QP			
2		106.1700	11.13	13.69	24.82	43.50	-18.68	QP			
3		177.6763	20.44	12.12	32.56	43.50	-10.94	QP			
4		451.2660	13.66	20.34	34.00	46.00	-12.00	QP			
5		727.9647	10.93	24.40	35.33	46.00	-10.67	QP			
6	*	797.9167	13.60	24.54	38.14	46.00	-7.86	QP			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

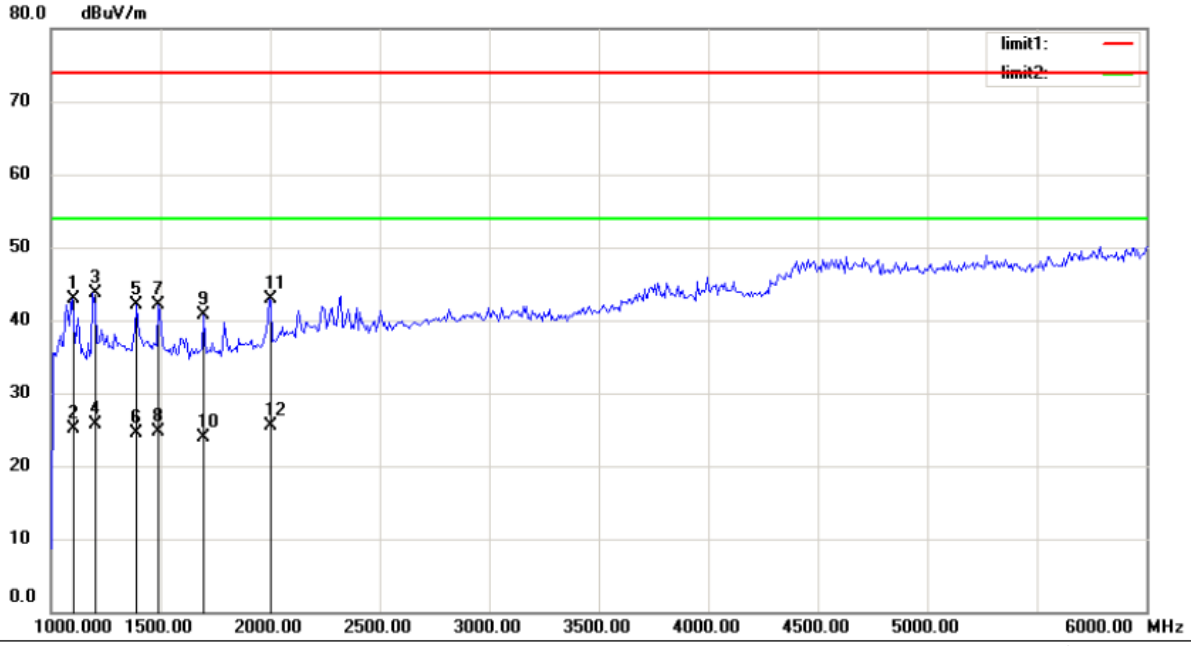
M/N: G22SP+

Mode: DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	37.7724	20.29	13.45	33.74	40.00	-6.26	QP			
2		73.5256	22.90	8.97	31.87	40.00	-8.13	QP			
3		106.1700	22.72	13.68	36.40	43.50	-7.10	QP			
4		451.2660	16.48	20.32	36.80	46.00	-9.20	QP			
5		726.4103	13.60	25.01	38.61	46.00	-7.39	QP			
6		801.0256	13.05	24.64	37.69	46.00	-8.31	QP			

*:Maximum data x:Over limit I:over margin Operator: KK



Site 3m Chamber #1 Polarization: ***Horizontal*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

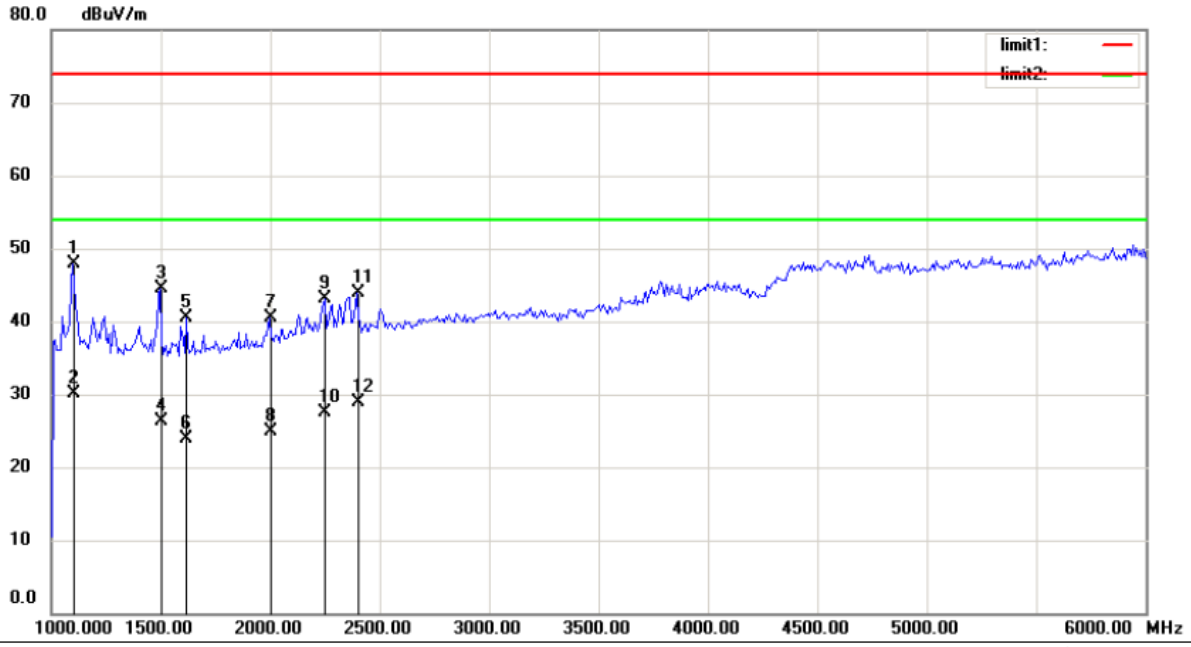
M/N: C22SP+

Mode:VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1096.154	55.61	-12.75	42.86	74.00	-31.14	peak			
2		1096.154	37.90	-12.75	25.15	54.00	-28.85	AVG			
3		1192.308	55.67	-12.04	43.63	74.00	-30.37	peak			
4	*	1192.308	37.70	-12.04	25.66	54.00	-28.34	AVG			
5		1392.628	53.77	-11.58	42.19	74.00	-31.81	peak			
6		1392.628	36.00	-11.58	24.42	54.00	-29.58	AVG			
7		1488.782	53.83	-11.73	42.10	74.00	-31.90	peak			
8		1488.782	36.40	-11.73	24.67	54.00	-29.33	AVG			
9		1697.115	52.61	-11.92	40.69	74.00	-33.31	peak			
10		1697.115	35.80	-11.92	23.88	54.00	-30.12	AVG			
11		1993.590	53.59	-10.67	42.92	74.00	-31.08	peak			
12		1993.590	36.10	-10.67	25.43	54.00	-28.57	AVG			

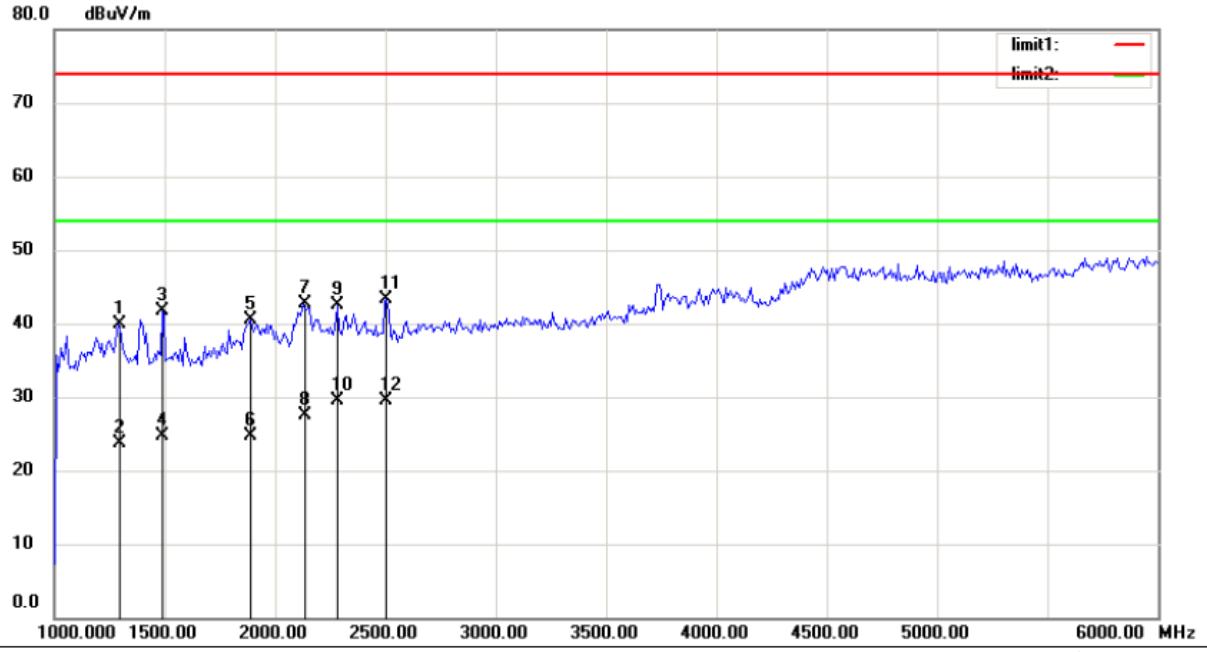
*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: C22SP+
Mode:VGA(1600*1200)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1096.154	60.67	-12.75	47.92	74.00	-26.08	peak			
2	*	1096.154	42.90	-12.75	30.15	54.00	-23.85	AVG			
3		1496.795	56.33	-11.73	44.60	74.00	-29.40	peak			
4		1496.795	38.10	-11.73	26.37	54.00	-27.63	AVG			
5		1616.987	52.41	-11.95	40.46	74.00	-33.54	peak			
6		1616.987	35.80	-11.95	23.85	54.00	-30.15	AVG			
7		1993.590	51.14	-10.67	40.47	74.00	-33.53	peak			
8		1993.590	35.50	-10.67	24.83	54.00	-29.17	AVG			
9		2250.000	51.49	-8.45	43.04	74.00	-30.96	peak			
10		2250.000	36.00	-8.45	27.55	54.00	-26.45	AVG			
11		2394.231	52.42	-8.61	43.81	74.00	-30.19	peak			
12		2394.231	37.60	-8.61	28.99	54.00	-25.01	AVG			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

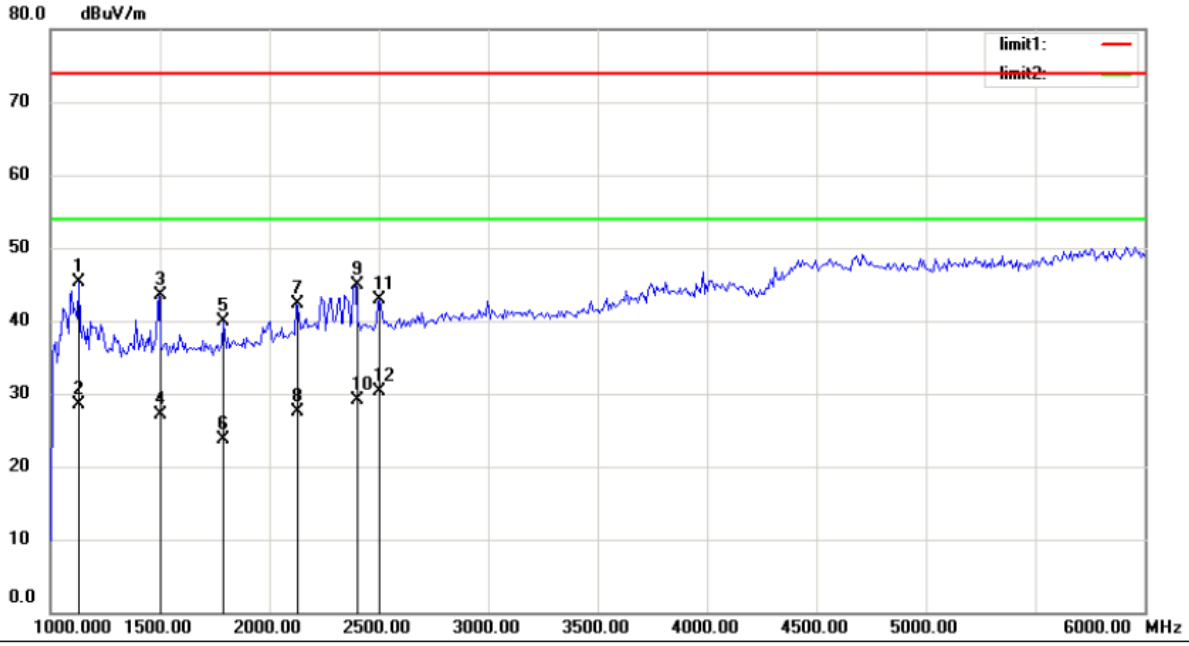
M/N: C22SP+

Mode:DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1288.462	51.42	-11.52	39.90	74.00	-34.10	peak			
2		1288.462	35.20	-11.52	23.68	54.00	-30.32	AVG			
3		1488.782	53.45	-11.73	41.72	74.00	-32.28	peak			
4		1488.782	36.40	-11.73	24.67	54.00	-29.33	AVG			
5		1889.423	51.71	-11.12	40.59	74.00	-33.41	peak			
6		1889.423	35.90	-11.12	24.78	54.00	-29.22	AVG			
7		2129.808	52.05	-9.29	42.76	74.00	-31.24	peak			
8		2129.808	36.70	-9.29	27.41	54.00	-26.59	AVG			
9		2282.051	50.83	-8.40	42.43	74.00	-31.57	peak			
10		2282.051	37.90	-8.40	29.50	54.00	-24.50	AVG			
11		2506.410	51.76	-8.49	43.27	74.00	-30.73	peak			
12	*	2506.410	38.00	-8.49	29.51	54.00	-24.49	AVG			

*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

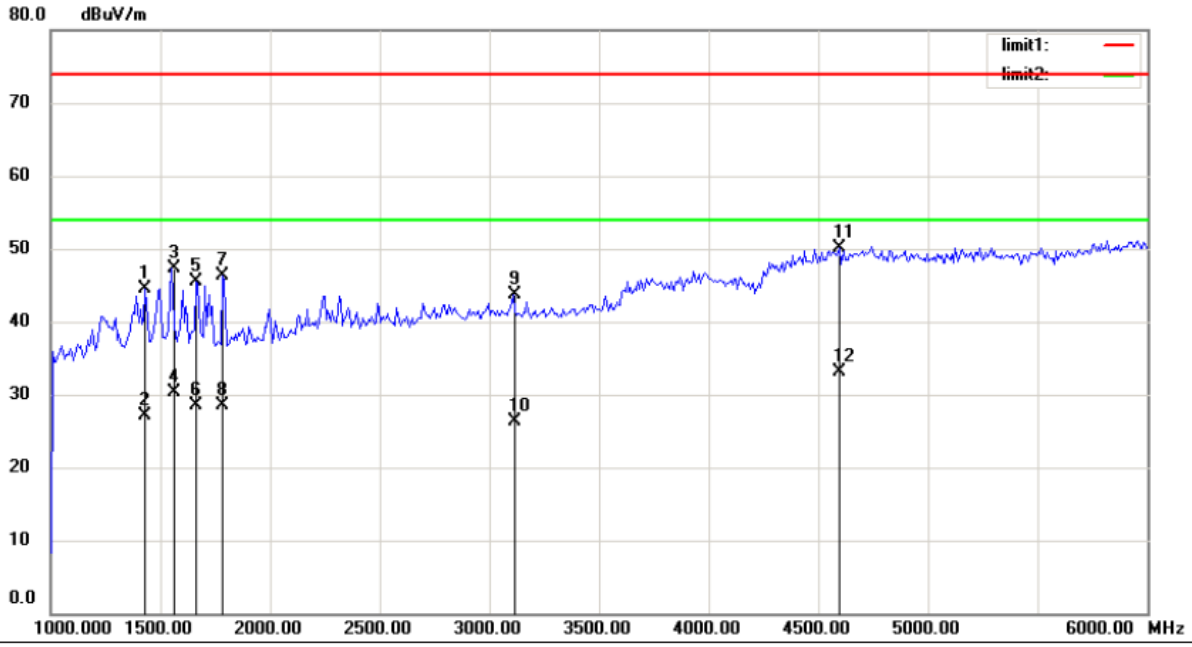
M/N: C22SP+

Mode:DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1128.205	57.74	-12.53	45.21	74.00	-28.79	peak			
2		1128.205	41.10	-12.53	28.57	54.00	-25.43	AVG			
3		1496.795	55.32	-11.73	43.59	74.00	-30.41	peak			
4		1496.795	38.90	-11.73	27.17	54.00	-26.83	AVG			
5		1793.269	51.52	-11.65	39.87	74.00	-34.13	peak			
6		1793.269	35.40	-11.65	23.75	54.00	-30.25	AVG			
7		2121.795	51.64	-9.38	42.26	74.00	-31.74	peak			
8		2121.795	36.90	-9.38	27.52	54.00	-26.48	AVG			
9		2394.231	53.54	-8.61	44.93	74.00	-29.07	peak			
10		2394.231	37.80	-8.61	29.19	54.00	-24.81	AVG			
11		2506.410	51.34	-8.49	42.85	74.00	-31.15	peak			
12	*	2506.410	38.80	-8.49	30.31	54.00	-23.69	AVG			

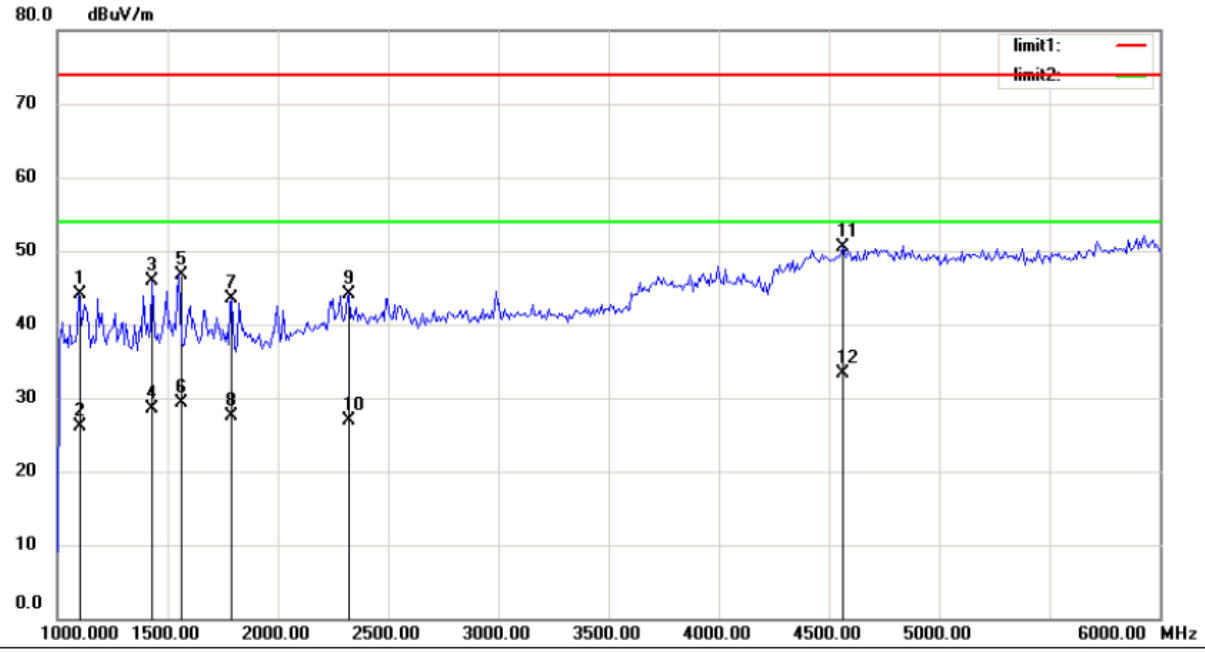
*:Maximum data x:Over limit !:over margin Operator: KK



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: C22SP+
Mode:DP(1600*1200)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1432.692	56.14	-11.64	44.50	74.00	-29.50	peak			
2		1432.692	38.80	-11.64	27.16	54.00	-26.84	AVG			
3		1552.885	59.17	-11.86	47.31	74.00	-26.69	peak			
4		1552.885	42.10	-11.86	30.24	54.00	-23.76	AVG			
5		1665.064	57.51	-11.93	45.58	74.00	-28.42	peak			
6		1665.064	40.50	-11.93	28.57	54.00	-25.43	AVG			
7		1785.256	57.96	-11.66	46.30	74.00	-27.70	peak			
8		1785.256	40.10	-11.66	28.44	54.00	-25.56	AVG			
9		3107.372	50.39	-6.72	43.67	74.00	-30.33	peak			
10		3107.372	33.10	-6.72	26.38	54.00	-27.62	AVG			
11		4597.756	53.80	-3.60	50.20	74.00	-23.80	peak			
12	*	4597.756	36.70	-3.60	33.10	54.00	-20.90	AVG			

*:Maximum data x:Over limit !:over margin Operator: DK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

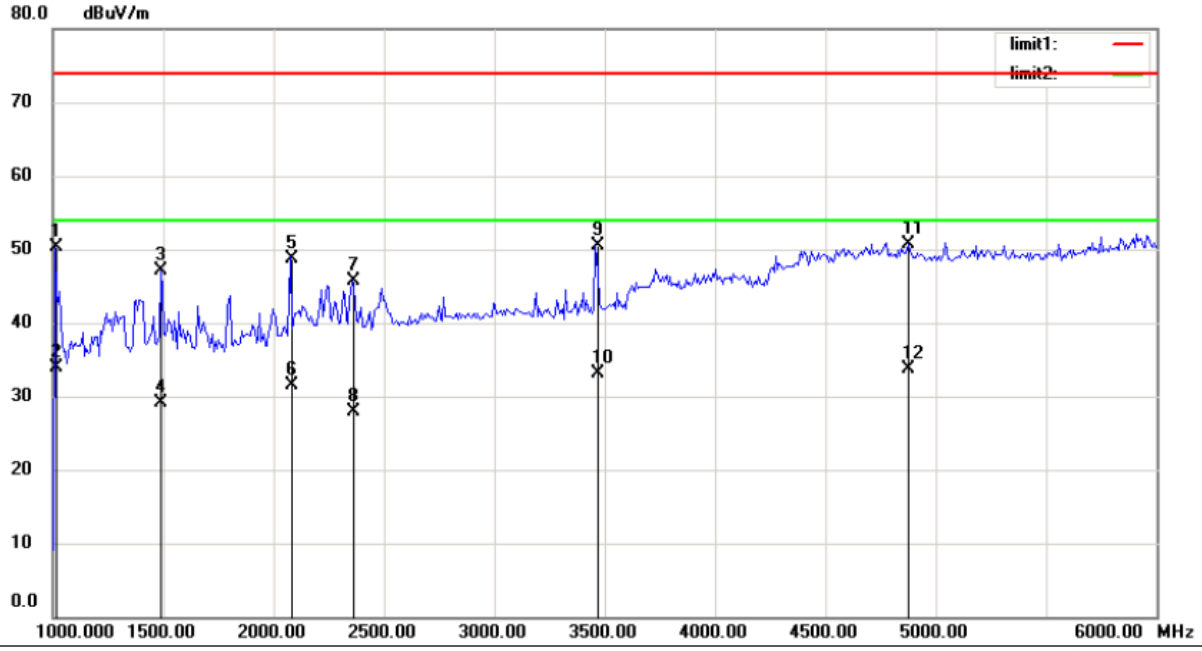
M/N: C22SP+

Mode:DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1096.154	56.92	-12.75	44.17	74.00	-29.83	peak			
2		1096.154	38.80	-12.75	26.05	54.00	-27.95	AVG			
3		1432.692	57.48	-11.64	45.84	74.00	-28.16	peak			
4		1432.692	40.10	-11.64	28.46	54.00	-25.54	AVG			
5		1552.885	58.55	-11.86	46.69	74.00	-27.31	peak			
6		1552.885	41.20	-11.86	29.34	54.00	-24.66	AVG			
7		1793.269	55.22	-11.65	43.57	74.00	-30.43	peak			
8		1793.269	39.20	-11.65	27.55	54.00	-26.45	AVG			
9		2322.115	52.54	-8.41	44.13	74.00	-29.87	peak			
10		2322.115	35.40	-8.41	26.99	54.00	-27.01	AVG			
11		4565.705	54.27	-3.72	50.55	74.00	-23.45	peak			
12	*	4565.705	37.10	-3.72	33.38	54.00	-20.62	AVG			

*:Maximum data x:Over limit !:over margin Operator: DK



Site 3m Chamber #1 Polarization: ***Horizontal*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

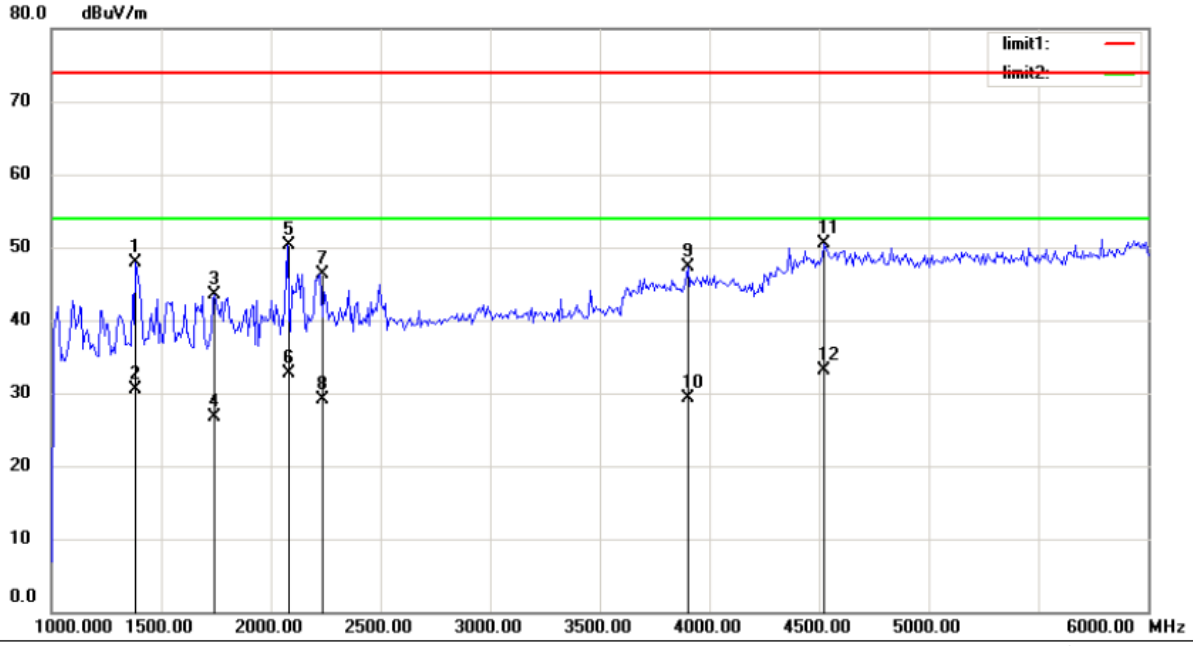
M/N: G22SP+

Mode:DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1008.013	63.22	-12.84	50.38	74.00	-23.62	peak			
2	*	1008.013	46.70	-12.84	33.86	54.00	-20.14	AVG			
3		1488.782	58.85	-11.73	47.12	74.00	-26.88	peak			
4		1488.782	40.90	-11.73	29.17	54.00	-24.83	AVG			
5		2073.718	58.70	-9.90	48.80	74.00	-25.20	peak			
6		2073.718	41.50	-9.90	31.60	54.00	-22.40	AVG			
7		2354.167	54.19	-8.50	45.69	74.00	-28.31	peak			
8		2354.167	36.50	-8.50	28.00	54.00	-26.00	AVG			
9		3459.936	56.90	-6.48	50.42	74.00	-23.58	peak			
10		3459.936	39.50	-6.48	33.02	54.00	-20.98	AVG			
11		4878.205	53.59	-2.93	50.66	74.00	-23.34	peak			
12		4878.205	36.60	-2.93	33.67	54.00	-20.33	AVG			

*:Maximum data x:Over limit I:over margin Operator: DK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

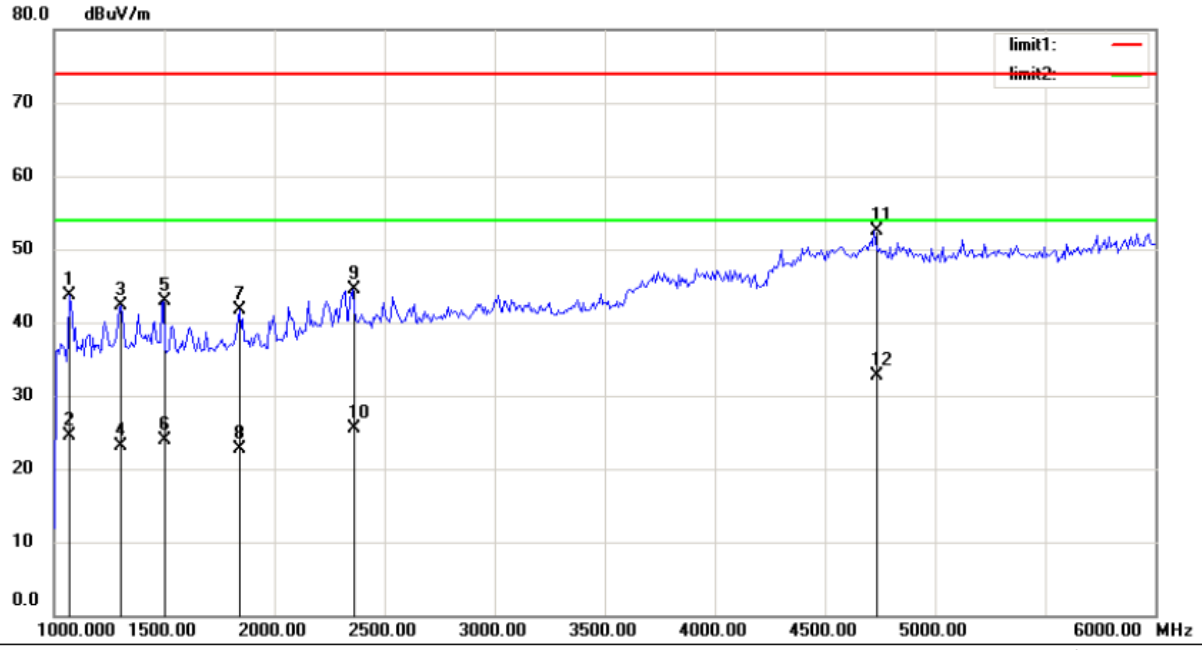
M/N: G22SP+

Mode:DP(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1384.615	59.56	-11.57	47.99	74.00	-26.01	peak			
2		1384.615	42.10	-11.57	30.53	54.00	-23.47	AVG			
3		1745.192	55.28	-11.78	43.50	74.00	-30.50	peak			
4		1745.192	38.50	-11.78	26.72	54.00	-27.28	AVG			
5		2073.718	60.18	-9.90	50.28	74.00	-23.72	peak			
6		2073.718	42.60	-9.90	32.70	54.00	-21.30	AVG			
7		2225.962	54.86	-8.48	46.38	74.00	-27.62	peak			
8		2225.962	37.60	-8.48	29.12	54.00	-24.88	AVG			
9		3900.641	52.51	-5.29	47.22	74.00	-26.78	peak			
10		3900.641	34.60	-5.29	29.31	54.00	-24.69	AVG			
11		4525.641	54.34	-3.85	50.49	74.00	-23.51	peak			
12	*	4525.641	36.90	-3.85	33.05	54.00	-20.95	AVG			

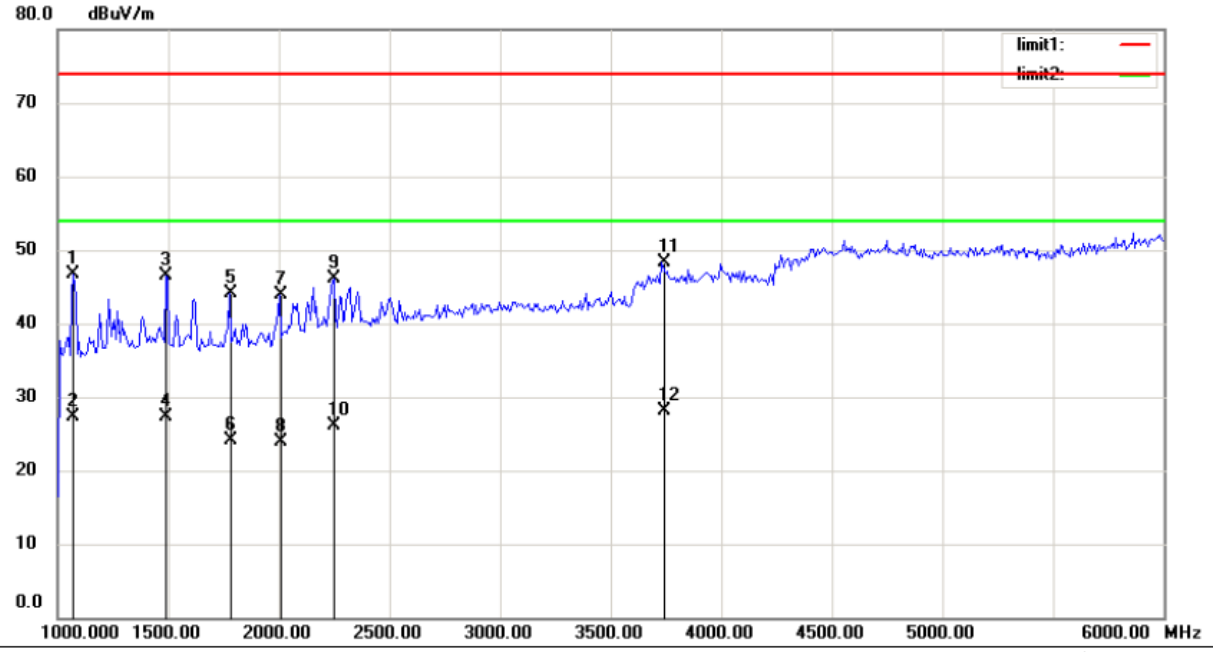
*:Maximum data x:Over limit !:over margin Operator: DK



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: G22SP+
Mode:DVI(1600*1200)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1072.115	56.41	-12.78	43.63	74.00	-30.37	peak			
2		1072.115	37.20	-12.78	24.42	54.00	-29.58	AVG			
3		1304.487	53.69	-11.48	42.21	74.00	-31.79	peak			
4		1304.487	34.50	-11.48	23.02	54.00	-30.98	AVG			
5		1496.795	54.60	-11.73	42.87	74.00	-31.13	peak			
6		1496.795	35.60	-11.73	23.87	54.00	-30.13	AVG			
7		1841.346	53.08	-11.39	41.69	74.00	-32.31	peak			
8		1841.346	34.10	-11.39	22.71	54.00	-31.29	AVG			
9		2354.167	53.09	-8.50	44.59	74.00	-29.41	peak			
10		2354.167	34.10	-8.50	25.60	54.00	-28.40	AVG			
11		4725.962	55.63	-3.18	52.45	74.00	-21.55	peak			
12	*	4725.962	35.80	-3.18	32.62	54.00	-21.38	AVG			

*:Maximum data x:Over limit !:over margin Operator: DK



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

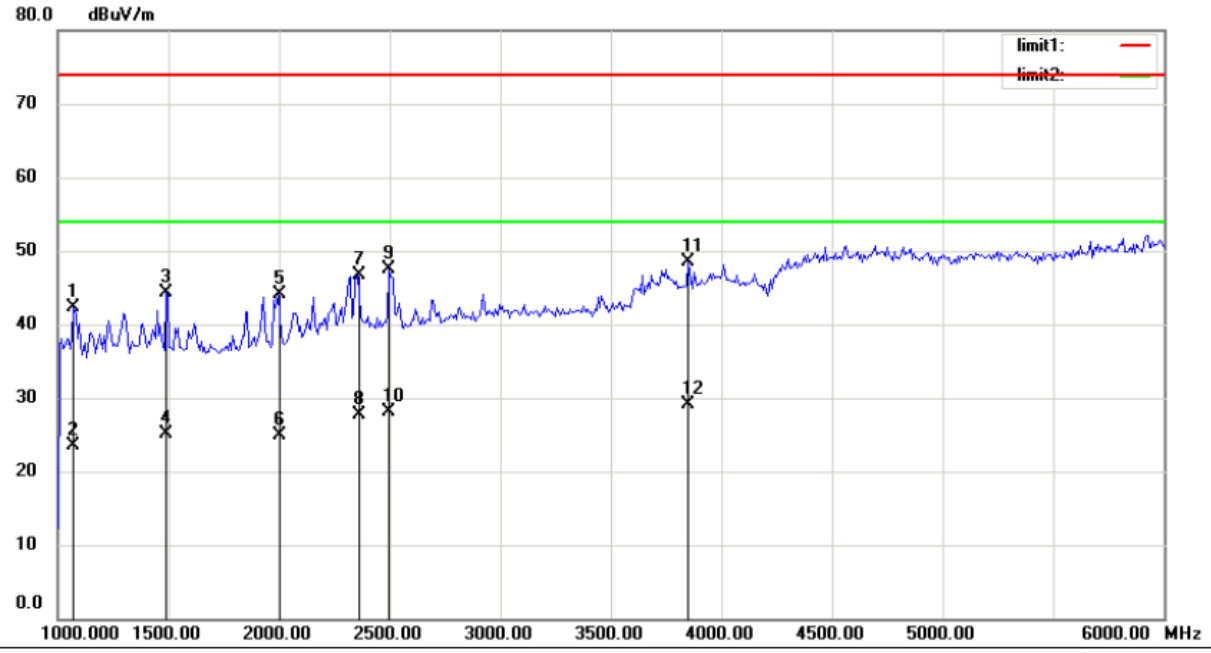
M/N: G22SP+

Mode:DVI(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1072.115	59.44	-12.78	46.66	74.00	-27.34	peak			
2		1072.115	40.10	-12.78	27.32	54.00	-26.68	AVG			
3		1488.782	58.20	-11.73	46.47	74.00	-27.53	peak			
4		1488.782	39.10	-11.73	27.37	54.00	-26.63	AVG			
5		1777.244	55.78	-11.69	44.09	74.00	-29.91	peak			
6		1777.244	35.80	-11.69	24.11	54.00	-29.89	AVG			
7		2001.603	54.55	-10.63	43.92	74.00	-30.08	peak			
8		2001.603	34.50	-10.63	23.87	54.00	-30.13	AVG			
9		2250.000	54.58	-8.45	46.13	74.00	-27.87	peak			
10		2250.000	34.60	-8.45	26.15	54.00	-27.85	AVG			
11	*	3732.372	54.08	-5.76	48.32	74.00	-25.68	peak			
12		3732.372	33.90	-5.76	28.14	54.00	-25.86	AVG			

*:Maximum data x:Over limit !:over margin Operator: DK



Site 3m Chamber #1 Polarization: ***Horizontal*** Temperature: 24

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

EUT: LCD Monitor

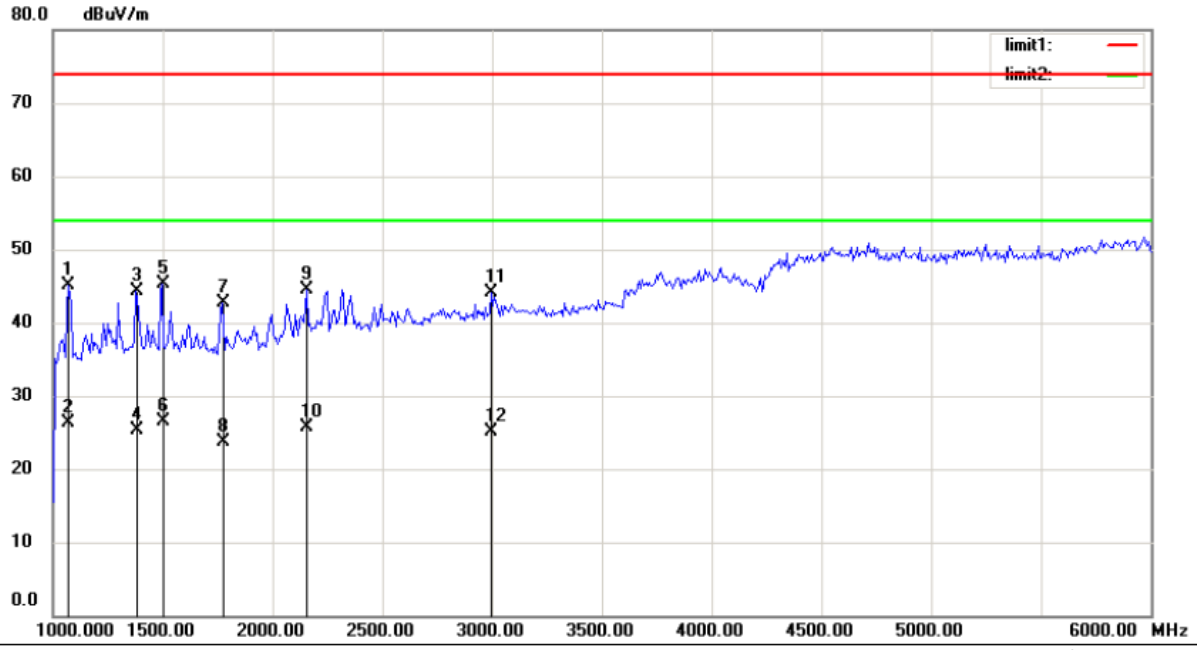
M/N: G22SP+

Mode:VGA(1600*1200)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1072.115	55.11	-12.78	42.33	74.00	-31.67	peak			
2		1072.115	36.20	-12.78	23.42	54.00	-30.58	AVG			
3		1488.782	55.95	-11.73	44.22	74.00	-29.78	peak			
4		1488.782	36.90	-11.73	25.17	54.00	-28.83	AVG			
5		1993.590	54.80	-10.67	44.13	74.00	-29.87	peak			
6		1993.590	35.50	-10.67	24.83	54.00	-29.17	AVG			
7		2354.167	55.28	-8.50	46.78	74.00	-27.22	peak			
8		2354.167	36.20	-8.50	27.70	54.00	-26.30	AVG			
9		2498.397	55.99	-8.53	47.46	74.00	-26.54	peak			
10		2498.397	36.60	-8.53	28.07	54.00	-25.93	AVG			
11		3852.564	53.87	-5.42	48.45	74.00	-25.55	peak			
12	*	3852.564	34.50	-5.42	29.08	54.00	-24.92	AVG			

*:Maximum data x:Over limit !:over margin Operator: DK



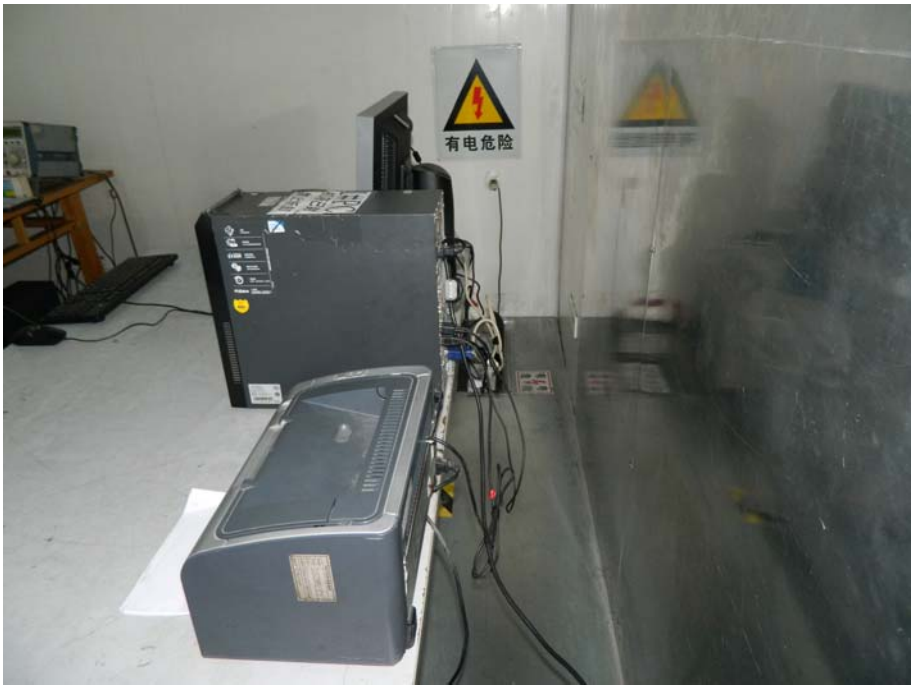
Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: LCD Monitor
M/N: G22SP+
Mode:VGA(1600*1200)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1072.115	57.96	-12.78	45.18	74.00	-28.82	peak			
2		1072.115	39.10	-12.78	26.32	54.00	-27.68	AVG			
3		1376.603	55.96	-11.56	44.40	74.00	-29.60	peak			
4		1376.603	36.90	-11.56	25.34	54.00	-28.66	AVG			
5		1496.795	57.12	-11.73	45.39	74.00	-28.61	peak			
6	*	1496.795	38.20	-11.73	26.47	54.00	-27.53	AVG			
7		1769.231	54.35	-11.71	42.64	74.00	-31.36	peak			
8		1769.231	35.50	-11.71	23.79	54.00	-30.21	AVG			
9		2153.846	53.57	-9.03	44.54	74.00	-29.46	peak			
10		2153.846	34.70	-9.03	25.67	54.00	-28.33	AVG			
11		2995.192	51.17	-7.02	44.15	74.00	-29.85	peak			
12		2995.192	32.20	-7.02	25.18	54.00	-28.82	AVG			

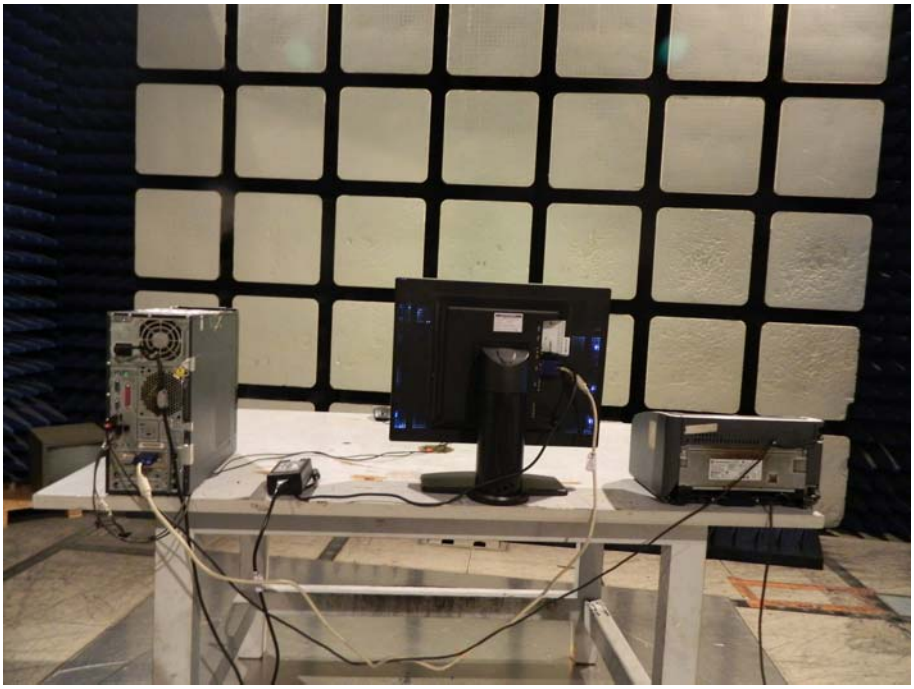
*:Maximum data x:Over limit !:over margin Operator: DK

6. PHOTOGRAPHS

6.1. Photos of Conducted Emission Measurement

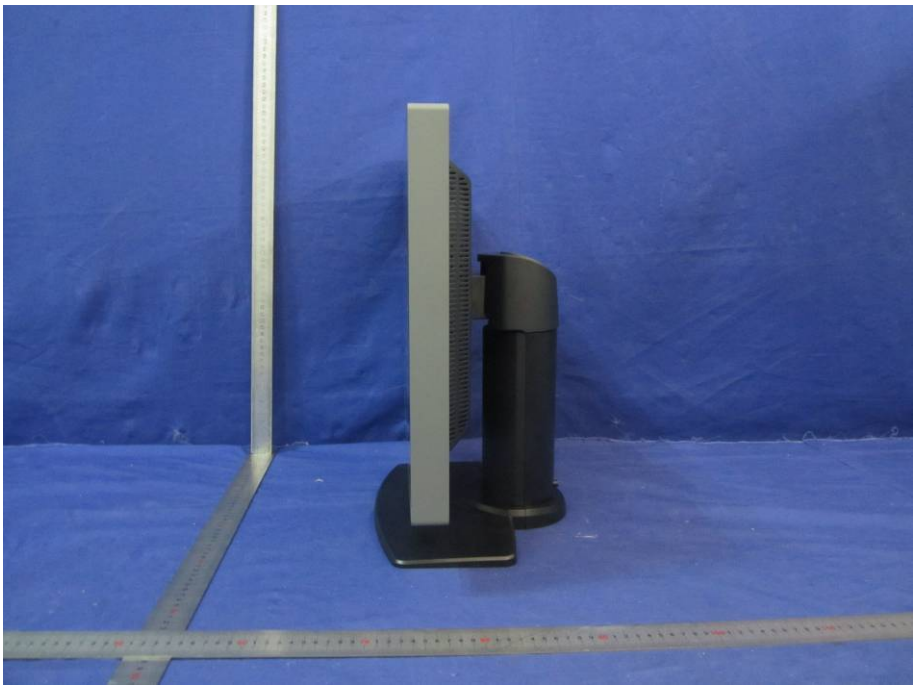


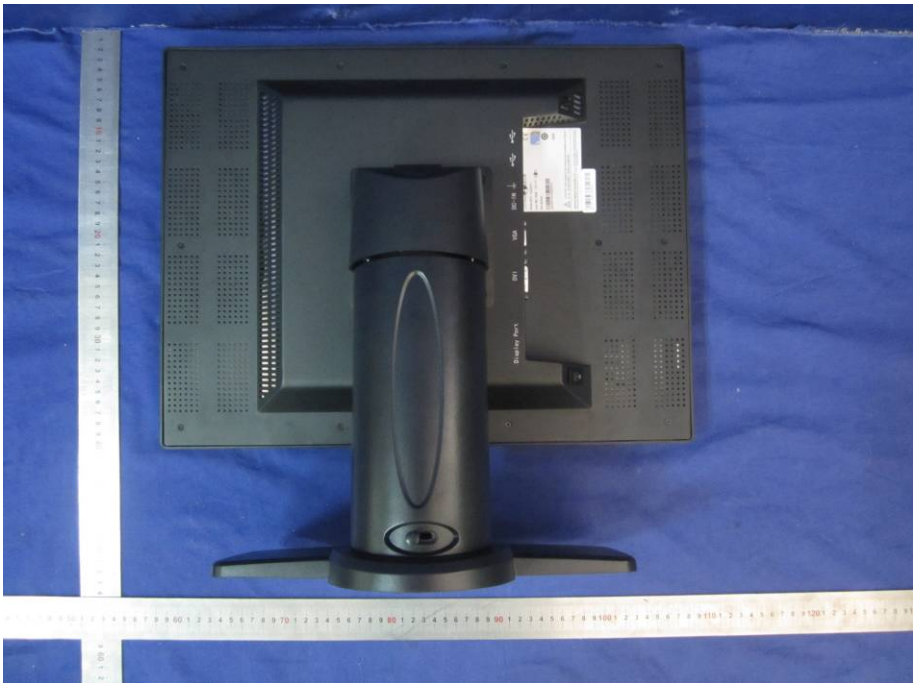
6.2. Photos of Radiation Emission Measurement

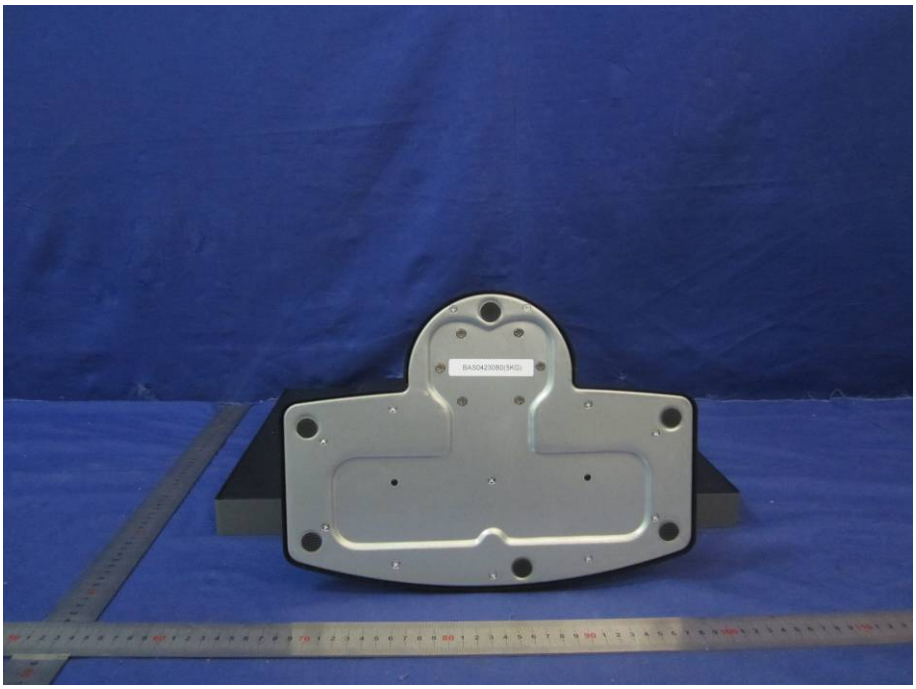


APPENDIX
(Photos of EUT)

Model: G22SP+

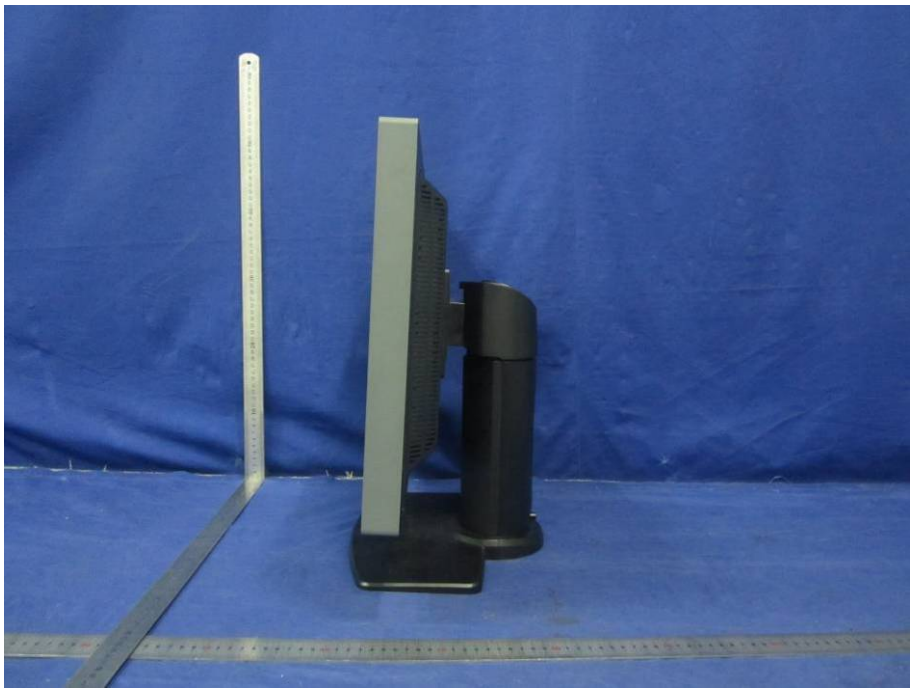






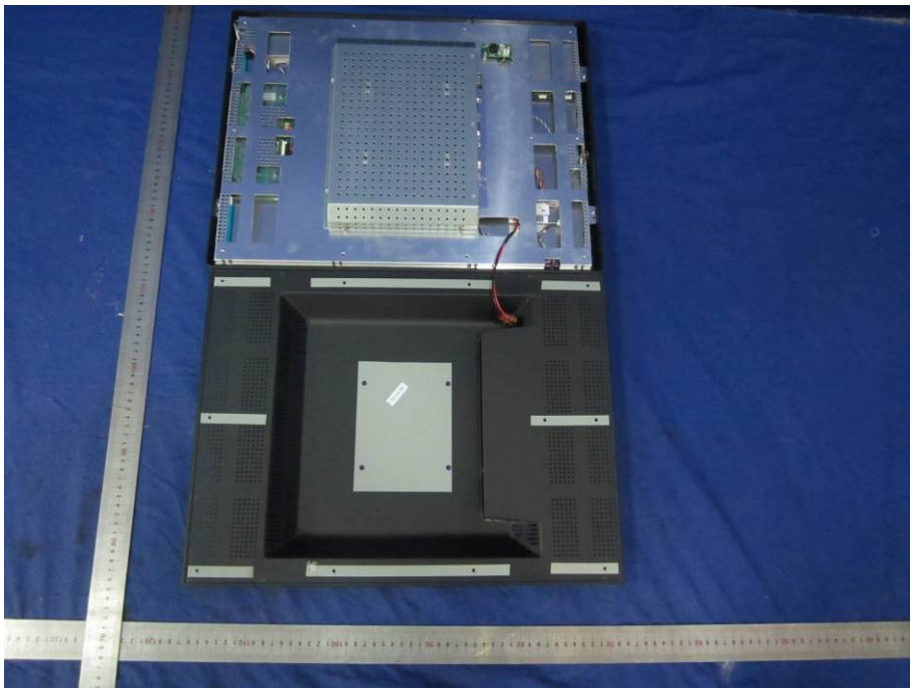

Display Port

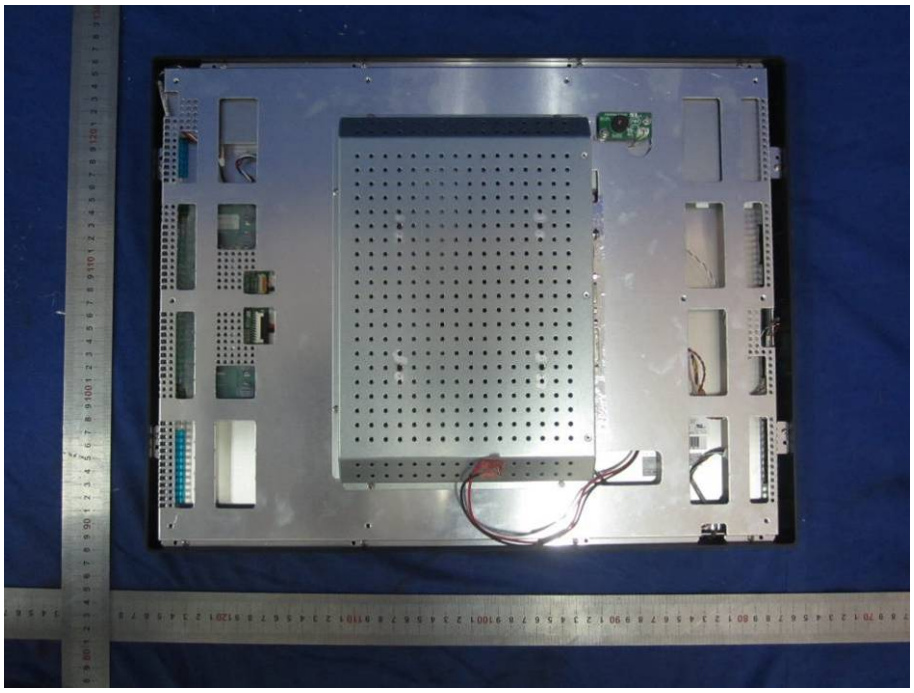
Model: C22SP+

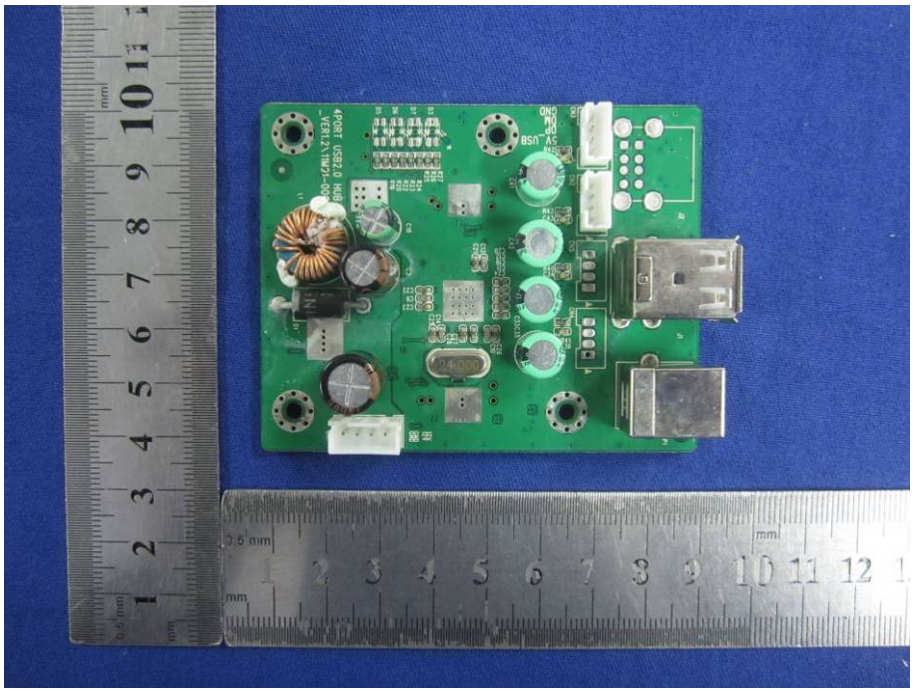


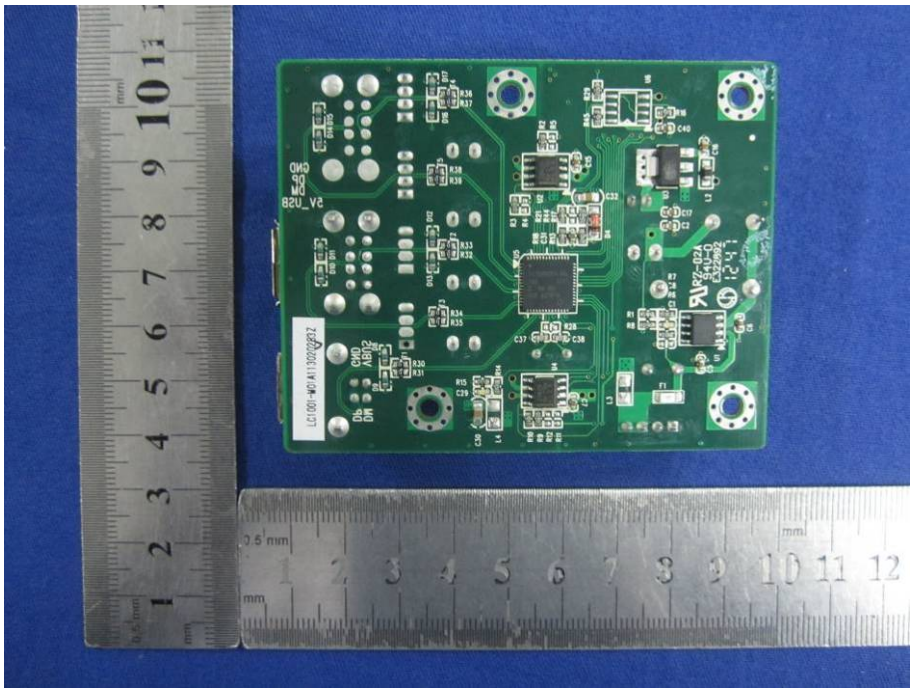

Display Port
DVI
VGA
DC-IN
LCD Monitor
C22SP+A13500007

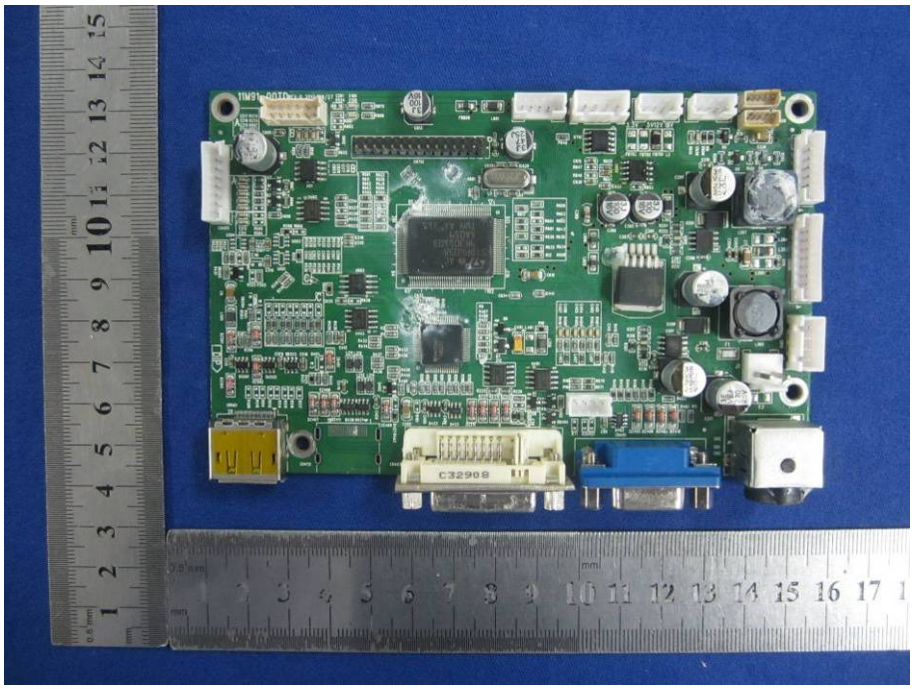

Display Port

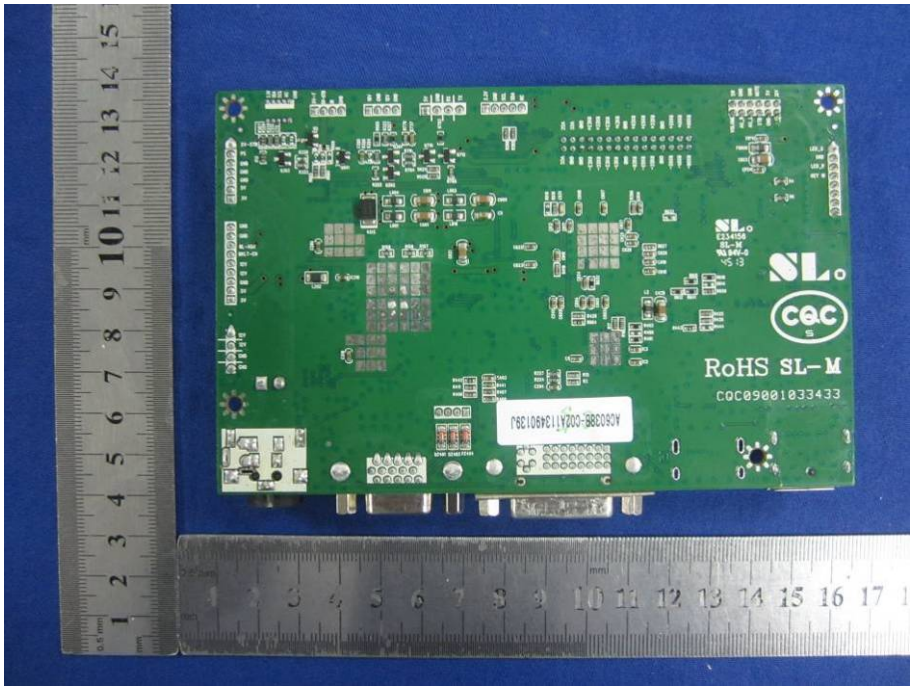











RoHS SL-M
COC09001033433