

EMC TEST REPORT For

SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.

LCD Monitor

Model No.: CL1980ET

FCC ID: Z5QLCDCL1980ET

Prepared for : SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.

Address : Room 201, Incubator Bld, CASTD, High-tech South 1st Street, 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 : ES120822155E

Date of Test : August 22, 2012 to August 27, 2012

Date of Report : September 07, 2012

TABLE OF CONTENT

Test Report Description	Page
1. SUMMARY OF TEST RESULT	5
2. GENERAL INFORMATION	6
2.1. DESCRIPTION OF DEVICE (EUT)	6
2.2. DESCRIPTION OF SUPPORT DEVICE	6
2.3. DESCRIPTION OF TEST FACILITY	7
2.4. MEASUREMENT UNCERTAINTY	7
3. MEASURING DEVICE AND TEST EQUIPMENT	8
3.1. FOR POWER LINE CONDUCTED EMISSION MEASUREMENT	8
3.2. FOR RADIATED EMISSION MEASUREMENT	8
4. POWER LINE CONDUCTED EMISSION MEASUREMENT	9
4.1. BLOCK DIAGRAM OF TEST SETUP	9
4.2. MEASURING STANDARD	9
4.3. POWER LINE CONDUCTED EMISSION LIMITS (CLASS B)	9
4.4. CONFIGURATION OF EUT ON MEASUREMENT	9
4.5. OPERATING CONDITION OF EUT	9
4.6. TEST PROCEDURE	10
4.7. MEASURING RESULTS	10
5. RADIATED EMISSION MEASUREMENT	25
5.1. BLOCK DIAGRAM OF TEST SETUP	25
5.2. MEASURING STANDARD	25
5.3. RADIATED EMISSION LIMITS (CLASS B)	26
5.4. CONFIGURATION OF EUT ON MEASUREMENT	26
5.5. OPERATING CONDITION OF EUT	26
5.6. TEST PROCEDURE	26
5.7. MEASURING RESULTS	26
6. PHOTOGRAPHS	45
6.1. PHOTO OF POWER LINE CONDUCTED EMISSION MEASUREMENT	45
6.2. PHOTO OF RADIATION EMISSION MEASUREMENT	46

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. : CL1980ET
Power Supply : 100-240VAC 2.0A

Measurement Procedure Used:

FCC Rules and Regulations Part 15: 2011 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 : August 22, 2012 to August 27, 2012

Prepared by : Jessie Hu
Jessie Hu/Editor

Reviewer : Lesley Zhang
Lesley Zhang/Supervisor

Approved & Authorized Signer : Lisa Wang
Lisa Wang/Manager

Modified History

Rev.	Summary	Date of Rev.	Report No.
V1.0	Original Report	2012-09-07	ES120822155E

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

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : LCD Monitor

Model Number : CL1980ET

Test Voltage : AC 120V/60Hz

Operating mode : VGA, DVI, Connect to USB

Applicant : SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.

Address : Room 201, Incubator Bld, CASTD, High-tech South 1st Street,
Nanshan District, Shenzhen 518057, China

Manufacturer : SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.

Address : Room 201, Incubator Bld, CASTD, High-tech South 1st Street,
Nanshan District, Shenzhen 518057, China

Factory : SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD. BAOAN
SUBSIDIARY

Address : 5F Building A8, Peking University Foudier Science Park, The North
Side Of Songbai Road In Shiyan Street, Baoan District, Shenzhen,
China

Date of Received : August 22, 2012

Date of Test : August 22, 2012 to August 27, 2012

2.2. Description of Support Device

PC (For EMI test) : Manufacturer: Lenovo
M/N: ThinkCentre 8701
S/N: 8701A53L3BC108
CE, FCC: DOC

Mouse : Manufacturer: HP
M/N: M-S48a
S/N: LZE14823966AW
CE, FCC: DOC

Keyboard : Manufacturer: HP
M/N: SK-2502C
S/N: C0111141546
CE, FCC: DOC

Printer : Manufacturer: HP
M/N: C89520
S/N: CN25S182N6
CE, FCC: DOC

2.3. Description of Test Facility

Site Description

EMC Lab.

: Accredited by CNAS, 2010.10.29
The certificate is valid until 2013.10.28
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, October 28, 2010
The Certificate Registration Number is 406365.

Accredited by Industry Canada, March 5, 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

2.4. Measurement Uncertainty

Conducted Emission Uncertainty : 2.8dB

Radiated Emission Uncertainty : 3.3dB (30M~1GHz Polarize: H)
3.2dB (30M~1GHz Polarize: V)
3.7dB (1~18GHz Polarize: H)
3.6dB (1~18GHz Polarize: V)

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. For Power Line Conducted Emission Measurement

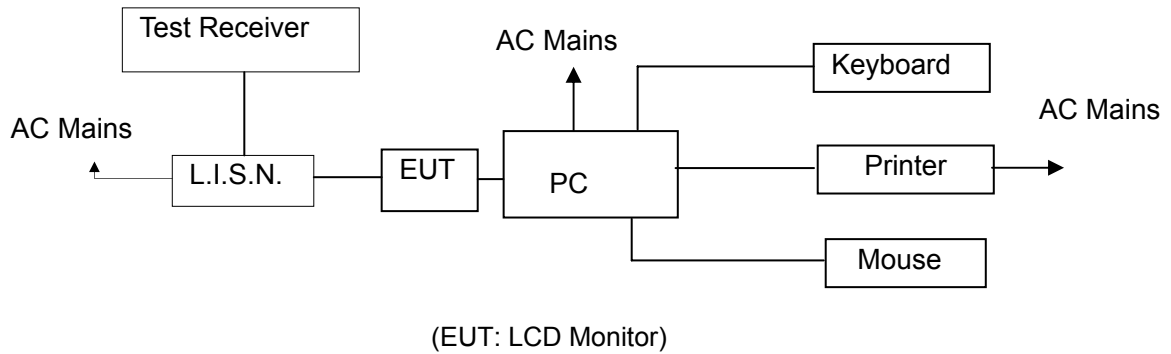
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCS30	100162	May 29, 2012	1 Year
2.	L.I.S.N.	Rohde & Schwarz	ENV216	101161	May 29, 2012	1 Year
3.	50Ω Coaxial Switch	Anritsu	MP59B	6100214550	N/A	N/A
4.	Voltage Probe	Rohde & Schwarz	TK9416	N/A	May 29, 2012	1 Year
5.	I.S.N	Teseq GmbH	ISN T800	30327	May 29, 2012	1 Year
6.	LCL adapter	Teseq GmbH	ADT800-Cat.5	30327.01	May 29, 2012	1 Year
7.	LCL adapter	Teseq GmbH	ADT800-Cat.3	30327.02	May 29, 2012	1 Year
8.	LCL adapter	Teseq GmbH	ADT800-R	30327.02	May 29, 2012	1 Year

3.2. For Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 29, 2012	1 Year
2.	Pre-Amplifier	HP	8447D	2944A07999	May 29, 2012	1 Year
3.	Bilog Antenna	Schwarzbeck	VULB9163	142	May 29, 2012	1 Year
4.	Loop Antenna	ARA	PLA-1030/B	1029	May 29, 2012	1 Year
5.	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	May 29, 2012	1 Year
6.	Horn Antenna	Schwarzbeck	BBHA 9120	D143	May 29, 2012	1 Year
7.	Cable	Schwarzbeck	AK9513	ACRX1	May 29, 2012	1 Year
8.	Cable	Rosenberger	N/A	FP2RX2	May 29, 2012	1 Year
9.	Cable	Schwarzbeck	AK9513	CRPX1	May 29, 2012	1 Year
10.	Cable	Schwarzbeck	AK9513	CRRX2	May 29, 2012	1 Year

4. POWER LINE CONDUCTED EMISSION MEASUREMENT

4.1. Block Diagram of Test Setup



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 (dB μ V)	
	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. Configuration of EUT 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 : CL1980ET

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, DVI, USB) 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.

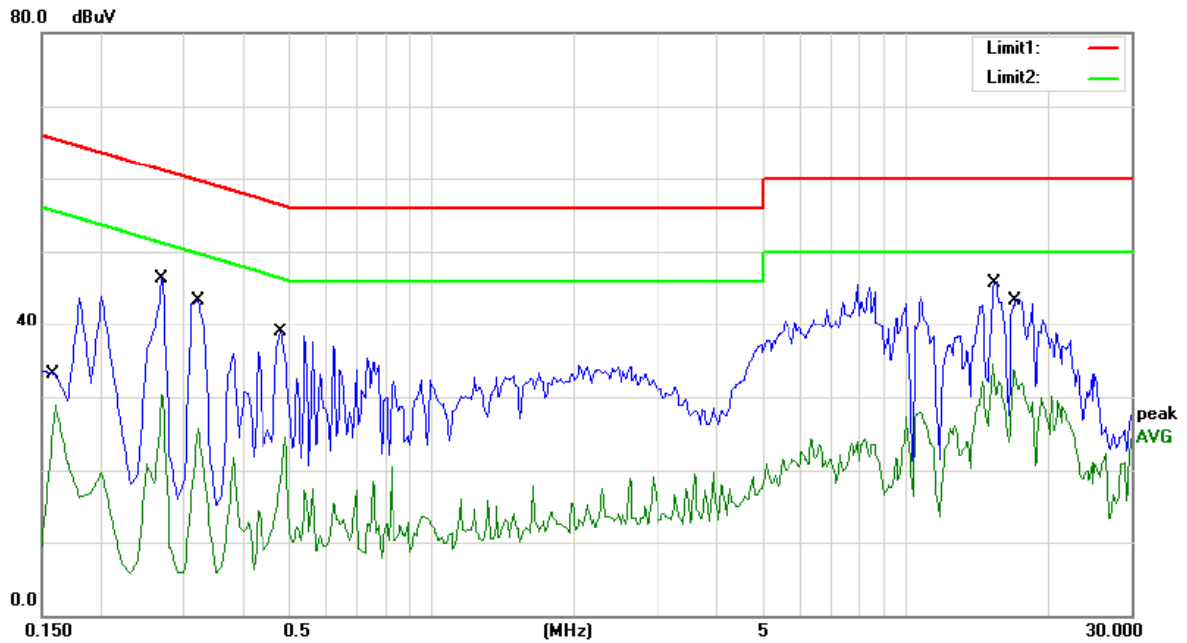
The bandwidth of the field strength meter (R&S Test Receiver ESCS30) is set at 9kHz in 150kHz~30MHz and 200Hz in 9kHz~150kHz.

The frequency range from 150kHz to 30MHz is investigated

4.7. Measuring Results

PASS.

Please refer to below a few pages.



Site Conduction #1

Phase: **L1**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

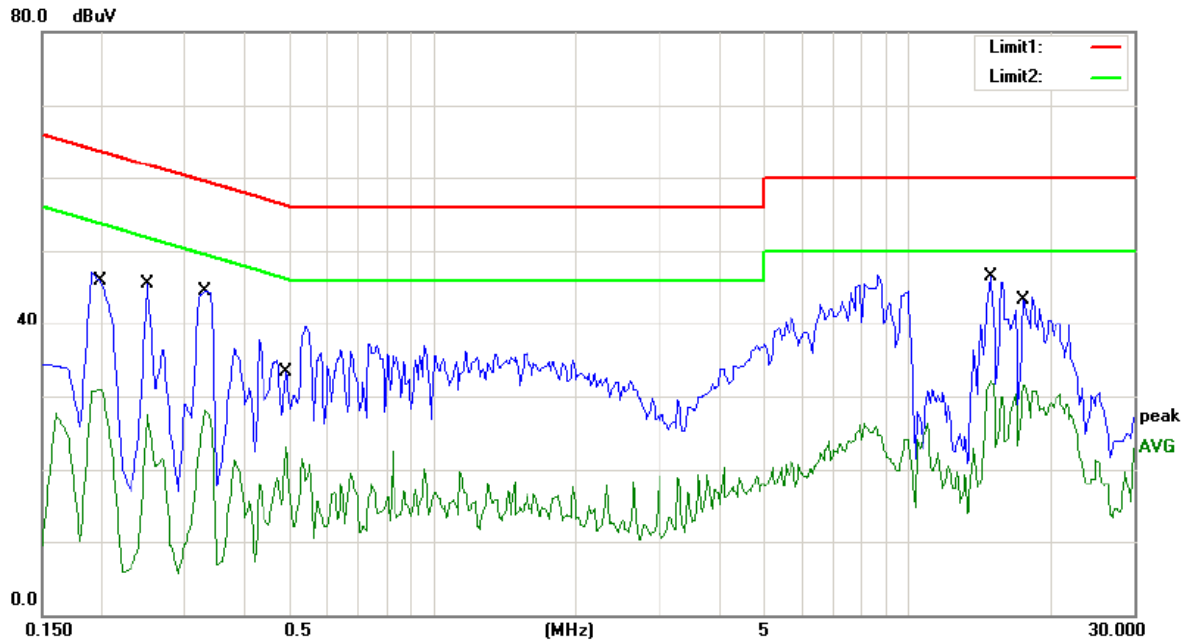
Humidity: 60 %

Mode: DVI MODE(640*480)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1600	43.62	0.00	43.62	65.46	-21.84	QP	
2		0.1600	28.88	0.00	28.88	55.46	-26.58	AVG	
3		0.2700	46.26	0.00	46.26	61.12	-14.86	QP	
4		0.2700	30.22	0.00	30.22	51.12	-20.90	AVG	
5		0.3200	43.35	0.00	43.35	59.71	-16.36	QP	
6		0.3200	25.79	0.00	25.79	49.71	-23.92	AVG	
7		0.4800	38.91	0.00	38.91	56.34	-17.43	QP	
8		0.4800	24.51	0.00	24.51	46.34	-21.83	AVG	
9	*	15.2500	45.85	0.00	45.85	60.00	-14.15	QP	
10		15.2500	34.43	0.00	34.43	50.00	-15.57	AVG	
11		16.9000	43.53	0.00	43.53	60.00	-16.47	QP	
12		16.9000	33.76	0.00	33.76	50.00	-16.24	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

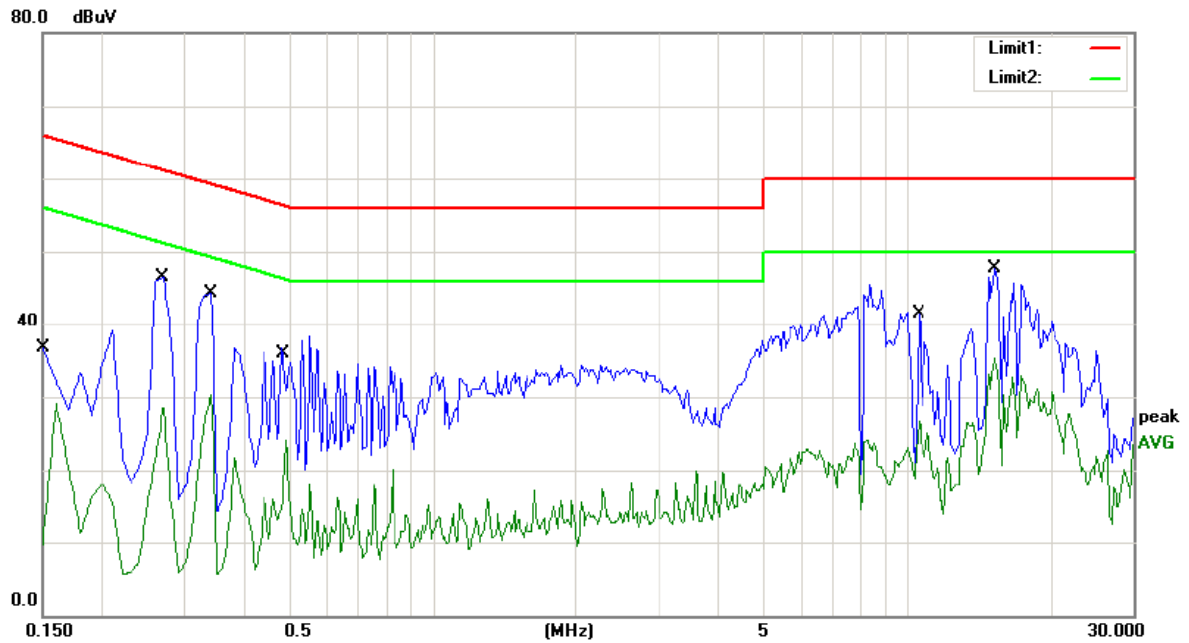
Humidity: 60 %

Mode: DVI MODE(640*480)

Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.2000	46.37	0.00	46.37	63.61	-17.24	QP	
2	0.2000	30.97	0.00	30.97	53.61	-22.64	AVG	
3	0.2500	45.59	0.00	45.59	61.76	-16.17	QP	
4	0.2500	27.42	0.00	27.42	51.76	-24.34	AVG	
5	0.3300	44.49	0.00	44.49	59.45	-14.96	QP	
6	0.3300	28.18	0.00	28.18	49.45	-21.27	AVG	
7	0.4900	39.53	0.00	39.53	56.17	-16.64	QP	
8	0.4900	23.09	0.00	23.09	46.17	-23.08	AVG	
9 *	14.9500	46.55	0.00	46.55	60.00	-13.45	QP	
10	14.9500	32.01	0.00	32.01	50.00	-17.99	AVG	
11	17.5500	43.62	0.00	43.62	60.00	-16.38	QP	
12	17.5500	31.47	0.00	31.47	50.00	-18.53	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

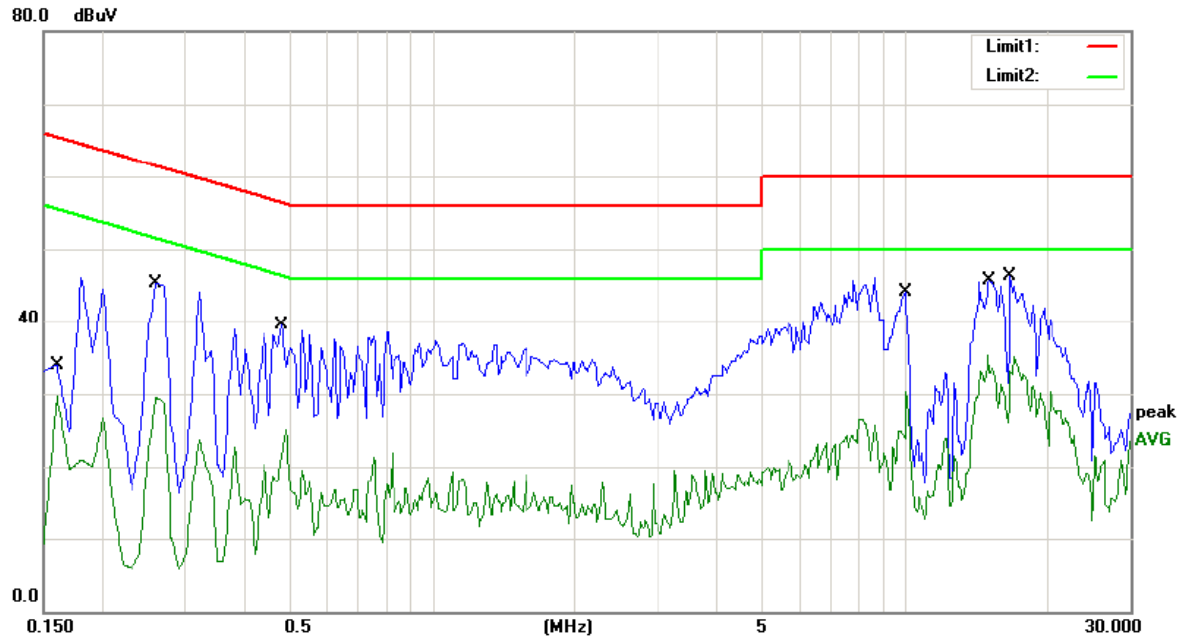
Humidity: 60 %

Mode: DVI MODE(1024*768)

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	36.77	0.00	36.77	66.00	-29.23	QP	
2		0.1500	29.15	0.00	29.15	56.00	-26.85	AVG	
3		0.2700	46.52	0.00	46.52	61.12	-14.60	QP	
4		0.2700	28.57	0.00	28.57	51.12	-22.55	AVG	
5		0.3400	44.26	0.00	44.26	59.20	-14.94	QP	
6		0.3400	30.28	0.00	30.28	49.20	-18.92	AVG	
7		0.4900	38.37	0.00	38.37	56.17	-17.80	QP	
8		0.4900	24.03	0.00	24.03	46.17	-22.14	AVG	
9		10.6000	41.51	0.00	41.51	60.00	-18.49	QP	
10		10.6000	26.76	0.00	26.76	50.00	-23.24	AVG	
11	*	15.3000	47.77	0.00	47.77	60.00	-12.23	QP	
12		15.3000	35.24	0.00	35.24	50.00	-14.76	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

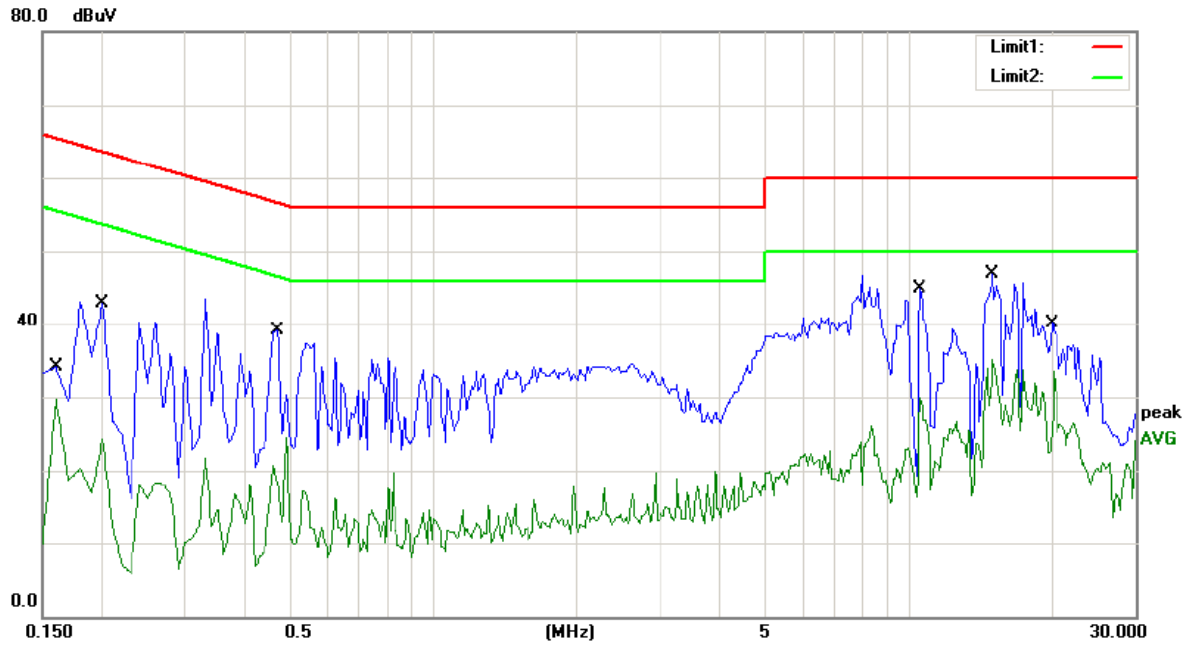
Humidity: 60 %

Mode: DVI MODE(1024*768)

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1600	34.00	0.00	34.00	65.46	-31.46	QP	
2		0.1600	29.70	0.00	29.70	55.46	-25.76	AVG	
3		0.2600	45.24	0.00	45.24	61.43	-16.19	QP	
4		0.2600	29.46	0.00	29.46	51.43	-21.97	AVG	
5		0.4800	39.47	0.00	39.47	56.34	-16.87	QP	
6		0.4800	25.01	0.00	25.01	46.34	-21.33	AVG	
7		9.9750	44.19	0.00	44.19	60.00	-15.81	QP	
8		9.9750	30.26	0.00	30.26	50.00	-19.74	AVG	
9		15.0500	45.64	0.00	45.64	60.00	-14.36	QP	
10		15.0500	35.32	0.00	35.32	50.00	-14.68	AVG	
11	*	16.7000	46.27	0.00	46.27	60.00	-13.73	QP	
12		16.7000	35.17	0.00	35.17	50.00	-14.83	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

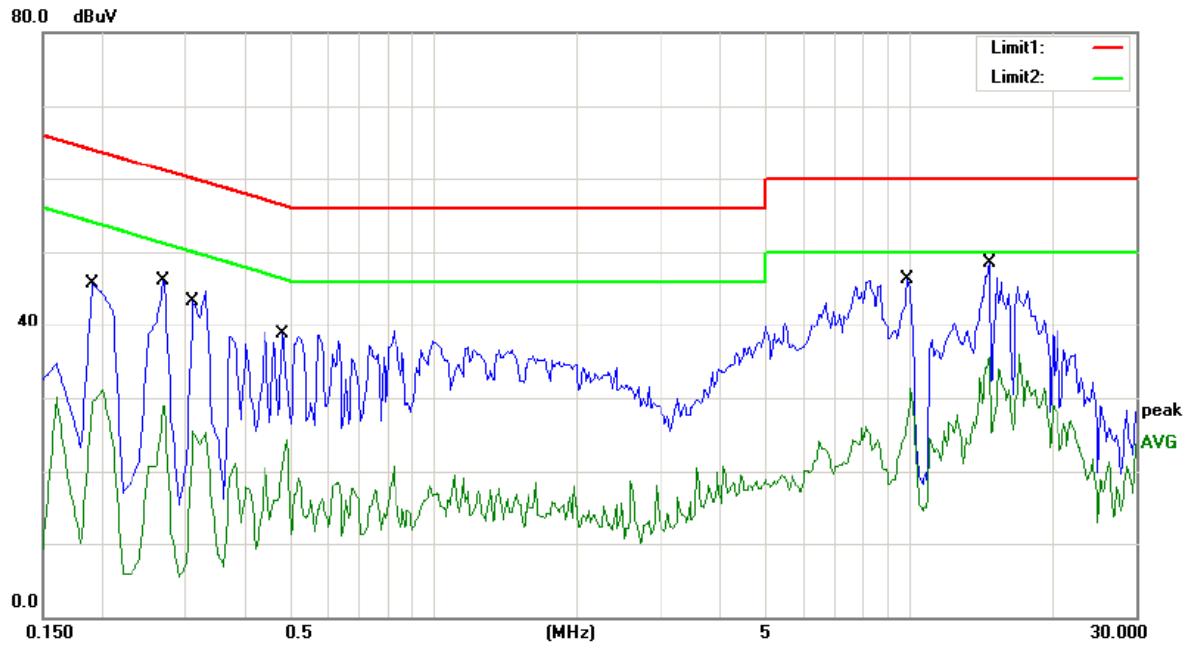
Humidity: 60 %

Mode: DVI MODE(1280*1024)

Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1600	37.49	0.00	37.49	65.46	-27.97	QP	
2	0.1600	29.61	0.00	29.61	55.46	-25.85	AVG	
3	0.2000	42.86	0.00	42.86	63.61	-20.75	QP	
4	0.2000	24.26	0.00	24.26	53.61	-29.35	AVG	
5	0.4700	39.14	0.00	39.14	56.51	-17.37	QP	
6	0.4700	24.51	0.00	24.51	46.51	-22.00	AVG	
7	10.5500	44.81	0.00	44.81	60.00	-15.19	QP	
8	10.5500	29.80	0.00	29.80	50.00	-20.20	AVG	
9 *	15.0500	46.89	0.00	46.89	60.00	-13.11	QP	
10	15.0500	35.13	0.00	35.13	50.00	-14.87	AVG	
11	20.0500	40.20	0.00	40.20	60.00	-19.80	QP	
12	20.0500	33.41	0.00	33.41	50.00	-16.59	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

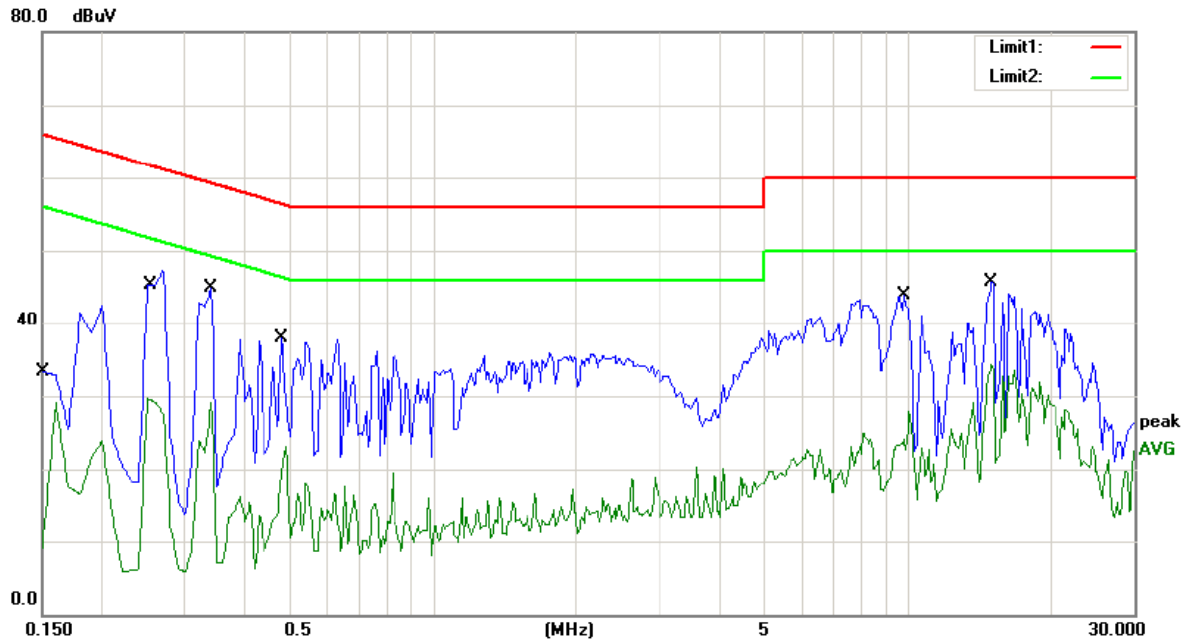
Humidity: 60 %

Mode: DVI MODE(1280*1024)

Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1900	45.76	0.00	45.76	64.04	-18.28	QP	
2	0.1900	31.06	0.00	31.06	54.04	-22.98	AVG	
3	0.2700	46.01	0.00	46.01	61.12	-15.11	QP	
4	0.2700	29.00	0.00	29.00	51.12	-22.12	AVG	
5	0.3100	44.73	0.00	44.73	59.97	-15.24	QP	
6	0.3100	25.41	0.00	25.41	49.97	-24.56	AVG	
7	0.4800	38.78	0.00	38.78	56.34	-17.56	QP	
8	0.4800	24.26	0.00	24.26	46.34	-22.08	AVG	
9	9.8750	46.32	0.00	46.32	60.00	-13.68	QP	
10	9.8750	31.31	0.00	31.31	50.00	-18.69	AVG	
11 *	14.7500	48.59	0.00	48.59	60.00	-11.41	QP	
12	14.7500	35.50	0.00	35.50	50.00	-14.50	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

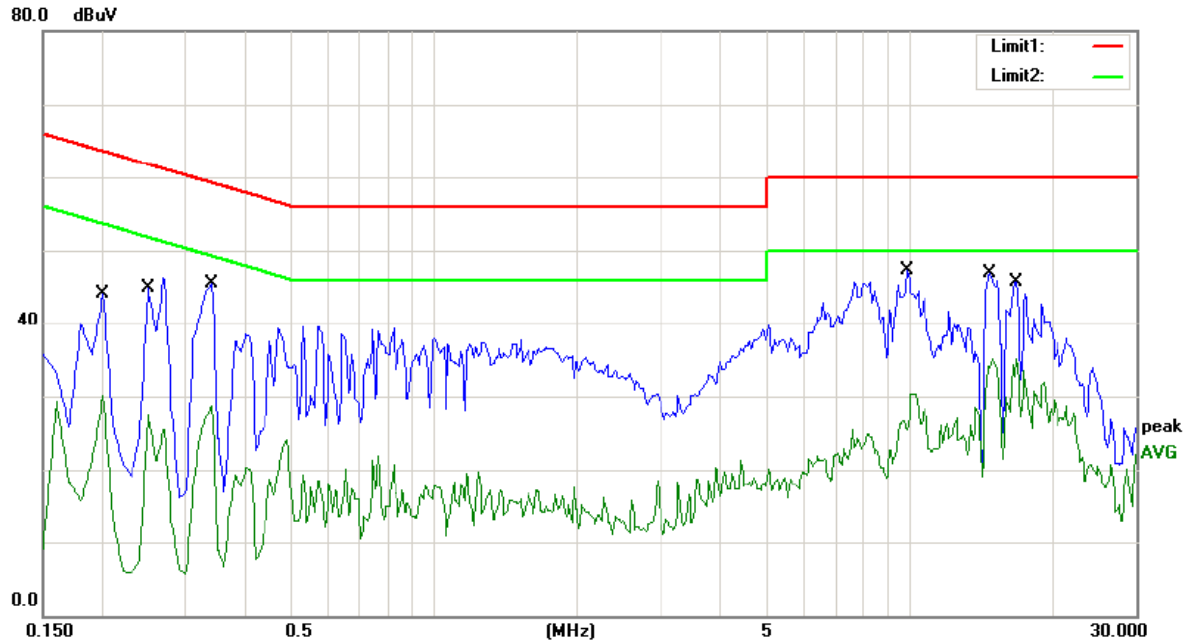
Humidity: 60 %

Mode: VGA MODE(1280*1024)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1500	33.32	0.00	33.32	66.00	-32.68	QP	
2		0.1500	29.05	0.00	29.05	56.00	-26.95	AVG	
3		0.2500	47.30	0.00	47.30	61.76	-14.46	QP	
4		0.2500	29.72	0.00	29.72	51.76	-22.04	AVG	
5	*	0.3400	44.94	0.00	44.94	59.20	-14.26	QP	
6		0.3400	29.08	0.00	29.08	49.20	-20.12	AVG	
7		0.4800	37.81	0.00	37.81	56.34	-18.53	QP	
8		0.4800	23.04	0.00	23.04	46.34	-23.30	AVG	
9		9.8000	43.82	0.00	43.82	60.00	-16.18	QP	
10		9.8000	27.92	0.00	27.92	50.00	-22.08	AVG	
11		15.0000	45.66	0.00	45.66	60.00	-14.34	QP	
12		15.0000	34.32	0.00	34.32	50.00	-15.68	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

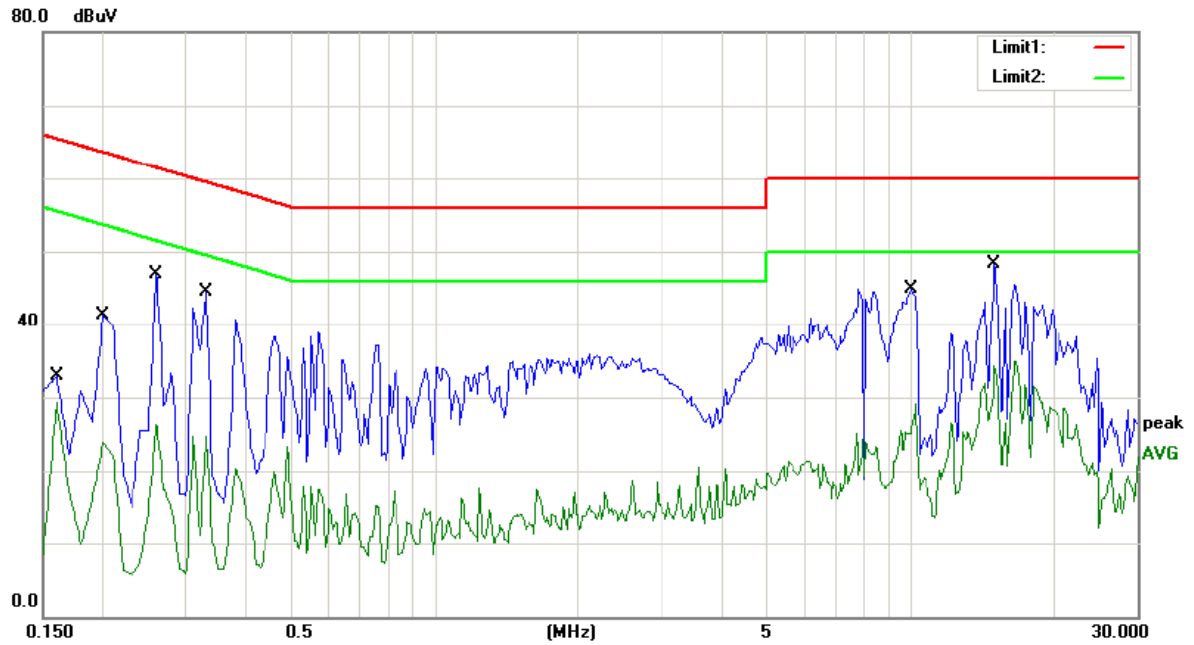
Humidity: 60 %

Mode: VGA MODE(1280*1024)

Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.2000	44.02	0.00	44.02	63.61	-19.59	QP	
2	0.2000	30.04	0.00	30.04	53.61	-23.57	AVG	
3	0.2500	46.34	0.00	46.34	61.76	-15.42	QP	
4	0.2500	27.55	0.00	27.55	51.76	-24.21	AVG	
5	0.3400	45.48	0.00	45.48	59.20	-13.72	QP	
6	0.3400	28.60	0.00	28.60	49.20	-20.60	AVG	
7 *	9.9000	47.25	0.00	47.25	60.00	-12.75	QP	
8	9.9000	30.30	0.00	30.30	50.00	-19.70	AVG	
9	14.7500	46.82	0.00	46.82	60.00	-13.18	QP	
10	14.7500	35.13	0.00	35.13	50.00	-14.87	AVG	
11	16.8000	45.75	0.00	45.75	60.00	-14.25	QP	
12	16.8000	35.07	0.00	35.07	50.00	-14.93	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

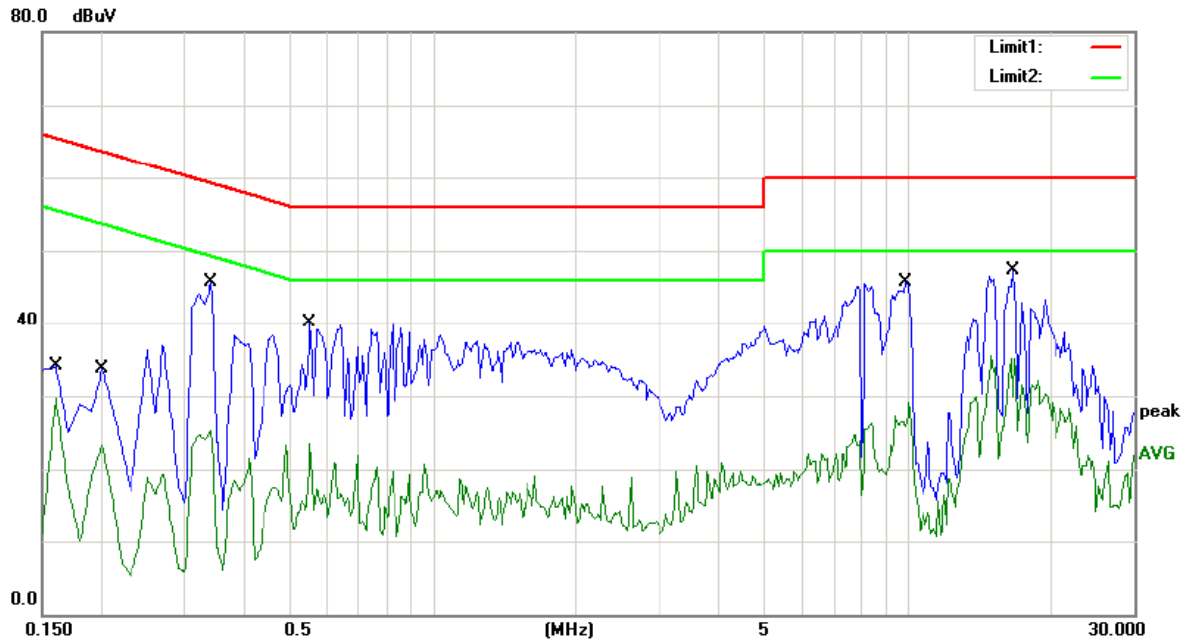
Humidity: 60 %

Mode: VGA MODE(1024*768)

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1600	32.81	0.00	32.81	65.46	-32.65	QP	
2	0.1600	29.25	0.00	29.25	55.46	-26.21	AVG	
3	0.2000	41.22	0.00	41.22	63.61	-22.39	QP	
4	0.2000	23.89	0.00	23.89	53.61	-29.72	AVG	
5	0.2600	46.93	0.00	46.93	61.43	-14.50	QP	
6	0.2600	26.36	0.00	26.36	51.43	-25.07	AVG	
7	0.3300	44.49	0.00	44.49	59.45	-14.96	QP	
8	0.3300	24.74	0.00	24.74	49.45	-24.71	AVG	
9	9.9750	44.93	0.00	44.93	60.00	-15.07	QP	
10	9.9750	29.08	0.00	29.08	50.00	-20.92	AVG	
11 *	15.0656	47.63	0.00	47.63	60.00	-12.37	QP	
12	15.0656	34.97	0.00	34.97	50.00	-15.03	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

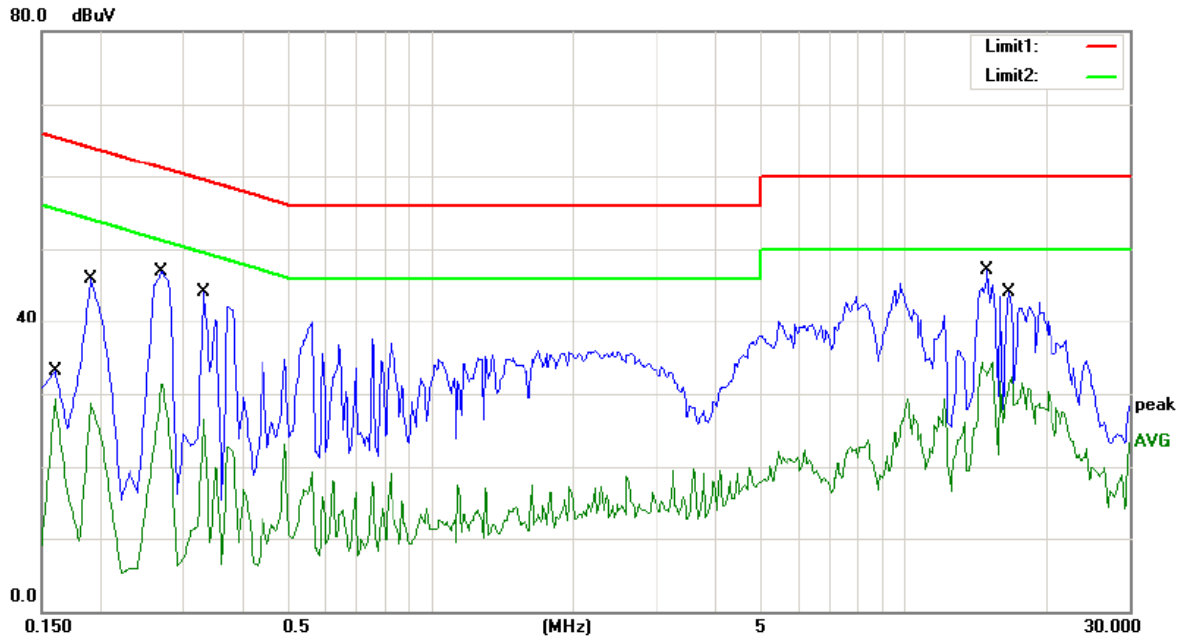
Humidity: 60 %

Mode: VGA MODE(1024*768)

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1600	34.04	0.00	34.04	65.46	-31.42	QP	
2		0.1600	29.75	0.00	29.75	55.46	-25.71	AVG	
3		0.2000	33.76	0.00	33.76	63.61	-29.85	QP	
4		0.2000	23.31	0.00	23.31	53.61	-30.30	AVG	
5		0.3400	45.62	0.00	45.62	59.20	-13.58	QP	
6		0.3400	25.38	0.00	25.38	49.20	-23.82	AVG	
7		0.5500	40.14	0.00	40.14	56.00	-15.86	QP	
8		0.5500	23.56	0.00	23.56	46.00	-22.44	AVG	
9		9.8750	45.62	0.00	45.62	60.00	-14.38	QP	
10		9.8750	29.17	0.00	29.17	50.00	-20.83	AVG	
11	*	16.6500	47.38	0.00	47.38	60.00	-12.62	QP	
12		16.6500	35.17	0.00	35.17	50.00	-14.83	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

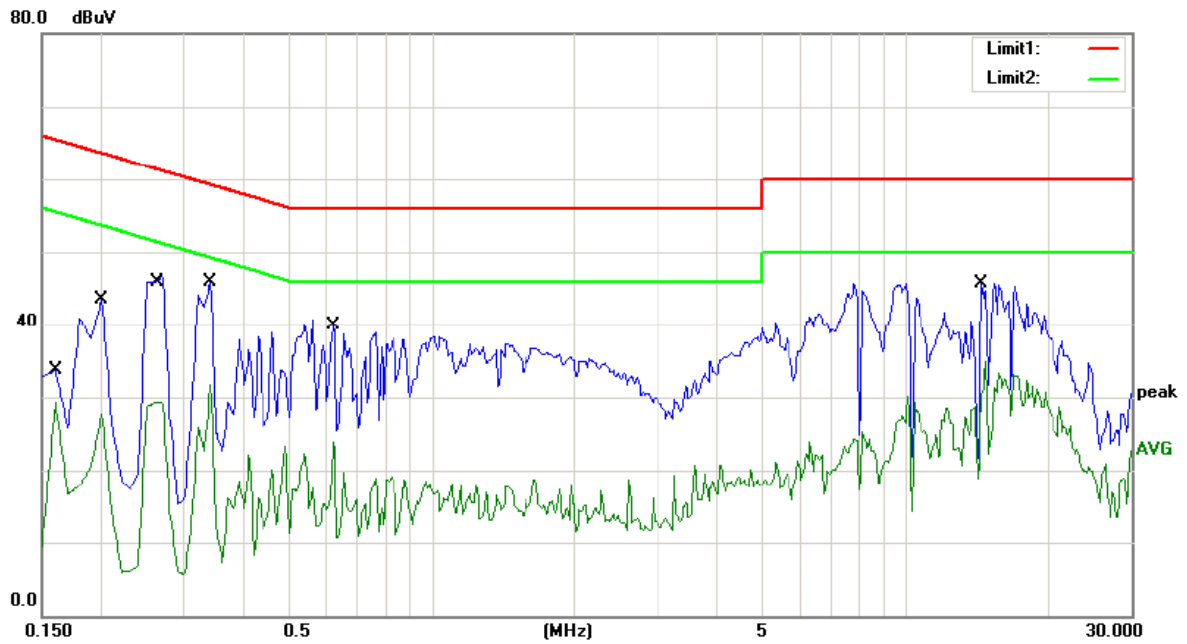
Humidity: 60 %

Mode: VGA MODE(640*480)

Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1600	33.16	0.00	33.16	65.46	-32.30	QP	
2	0.1600	29.25	0.00	29.25	55.46	-26.21	AVG	
3	0.1900	45.80	0.00	45.80	64.04	-18.24	QP	
4	0.1900	28.74	0.00	28.74	54.04	-25.30	AVG	
5	0.2700	46.82	0.00	46.82	61.12	-14.30	QP	
6	0.2700	31.32	0.00	31.32	51.12	-19.80	AVG	
7	0.3300	43.66	0.00	43.66	59.45	-15.79	QP	
8	0.3300	26.56	0.00	26.56	49.45	-22.89	AVG	
9 *	15.0000	47.06	0.00	47.06	60.00	-12.94	QP	
10	15.0000	34.33	0.00	34.33	50.00	-15.67	AVG	
11	16.7497	43.34	0.00	43.34	60.00	-16.66	QP	
12	16.7497	32.26	0.00	32.26	50.00	-17.74	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

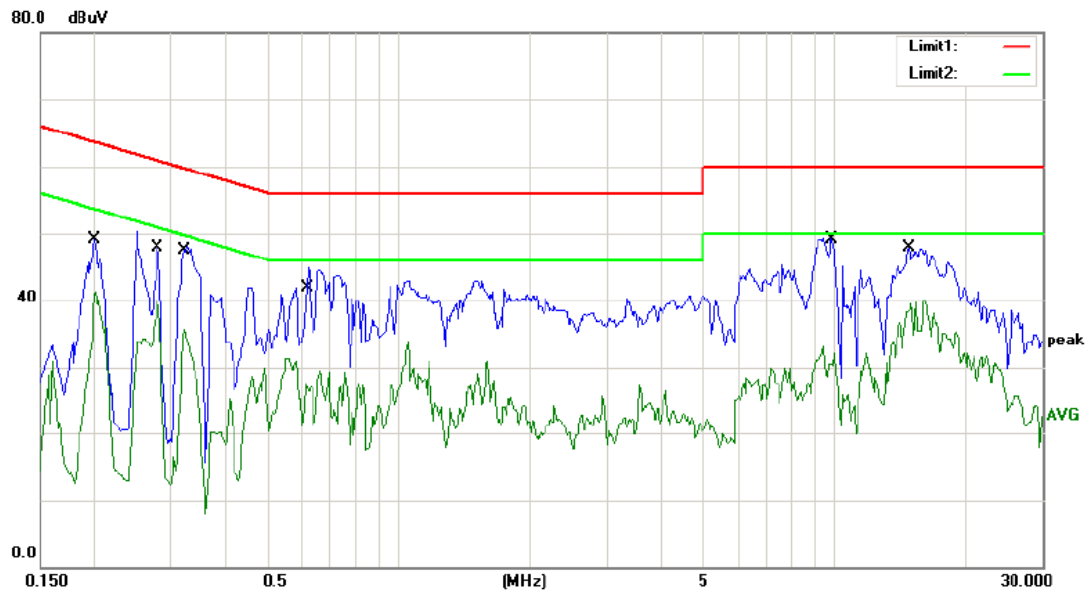
Humidity: 60 %

Mode: VGA MODE(640*480)

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1600	40.87	0.00	40.87	65.46	-24.59	QP	
2		0.1600	29.35	0.00	29.35	55.46	-26.11	AVG	
3		0.2000	43.52	0.00	43.52	63.61	-20.09	QP	
4		0.2000	27.72	0.00	27.72	53.61	-25.89	AVG	
5		0.2600	46.68	0.00	46.68	61.43	-14.75	QP	
6		0.2600	29.31	0.00	29.31	51.43	-22.12	AVG	
7	*	0.3400	45.92	0.00	45.92	59.20	-13.28	QP	
8		0.3400	31.64	0.00	31.64	49.20	-17.56	AVG	
9		0.6200	39.91	0.00	39.91	56.00	-16.09	QP	
10		0.6200	23.88	0.00	23.88	46.00	-22.12	AVG	
11		14.4500	45.63	0.00	45.63	60.00	-14.37	QP	
12		14.4500	34.92	0.00	34.92	50.00	-15.08	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 26

Limit: (CE)FCC PART 15 class B

Power: AC 120V/60Hz

Humidity: 60 %

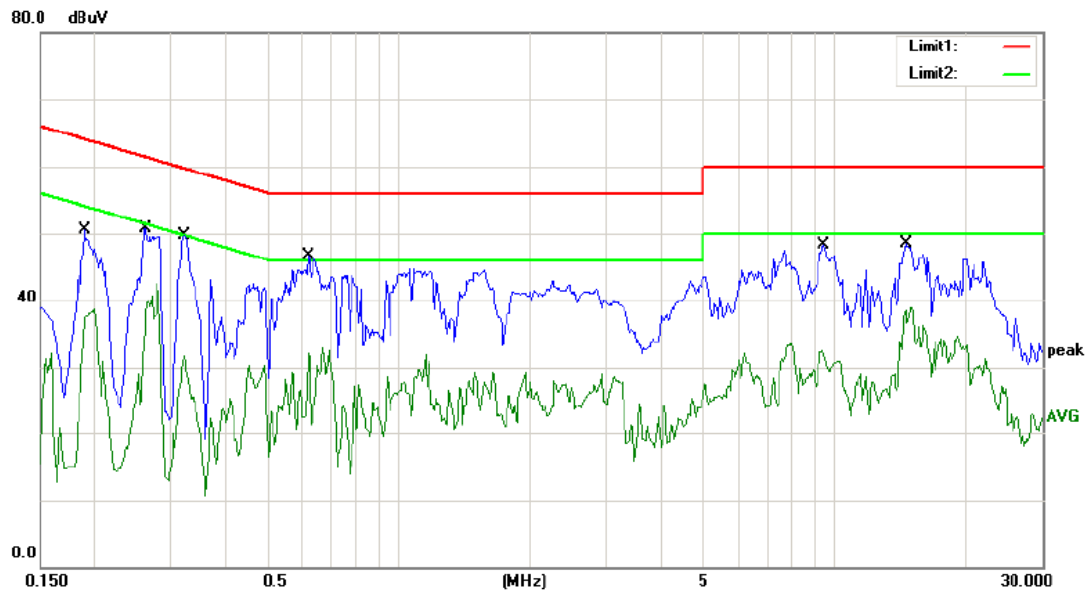
FIUT: LCD Monitor

M/N: CL1980ET

Mode: Connect to USB

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2007	49.11	0.00	49.11	63.58	-14.47	QP	
2		0.2007	41.25	0.00	41.25	53.58	-12.33	AVG	
3	*	0.2800	50.36	0.00	50.36	60.82	-10.46	QP	
4		0.2800	39.92	0.00	39.92	50.82	-10.90	AVG	
5		0.3200	48.08	0.00	48.08	59.71	-11.63	QP	
6		0.3200	35.62	0.00	35.62	49.71	-14.09	AVG	
7		0.6100	44.99	0.00	44.99	56.00	-11.01	QP	
8		0.6100	27.55	0.00	27.55	46.00	-18.45	AVG	
9		10.0000	49.36	0.00	49.36	60.00	-10.64	QP	
10		10.0000	32.02	0.00	32.02	50.00	-17.98	AVG	
11		15.0500	47.94	0.00	47.94	60.00	-12.06	QP	
12		15.0500	39.41	0.00	39.41	50.00	-10.59	AVG	



Site Conduction #1

Phase: **L1**

Temperature: 26

Limit: (CE)FCC PART 15 class B

Power: AC 120V/60Hz

Humidity: 60 %

FIUT: LCD Monitor

M/N: CL1980ET

Mode: Connect to USB

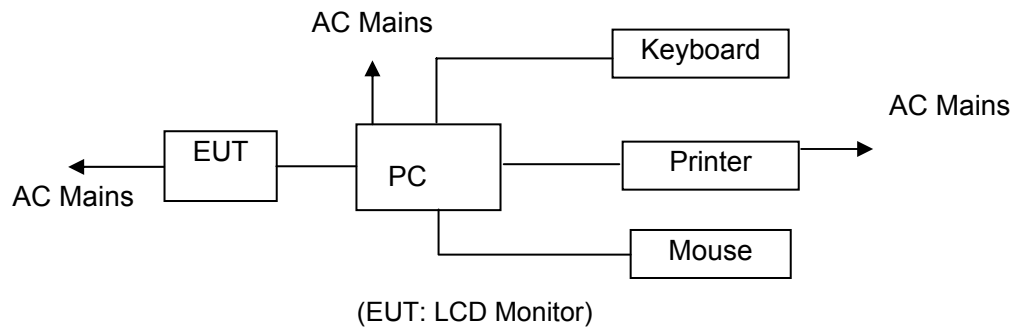
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1900	50.46	0.00	50.46	64.04	-13.58	QP	
2		0.1900	38.60	0.00	38.60	54.04	-15.44	AVG	
3		0.2602	50.75	0.00	50.75	61.43	-10.68	QP	
4		0.2602	42.43	0.00	42.43	51.43	-9.00	AVG	
5		0.3200	49.62	0.00	49.62	59.71	-10.09	QP	
6	*	0.3200	42.43	0.00	42.43	49.71	-7.28	AVG	
7		0.6200	46.76	0.00	46.76	56.00	-9.24	QP	
8		0.6200	33.00	0.00	33.00	46.00	-13.00	AVG	
9		9.4750	48.35	0.00	48.35	60.00	-11.65	QP	
10		9.4750	33.54	0.00	33.54	50.00	-16.46	AVG	
11		14.6000	48.55	0.00	48.55	60.00	-11.45	QP	
12		14.6000	38.93	0.00	38.93	50.00	-11.07	AVG	

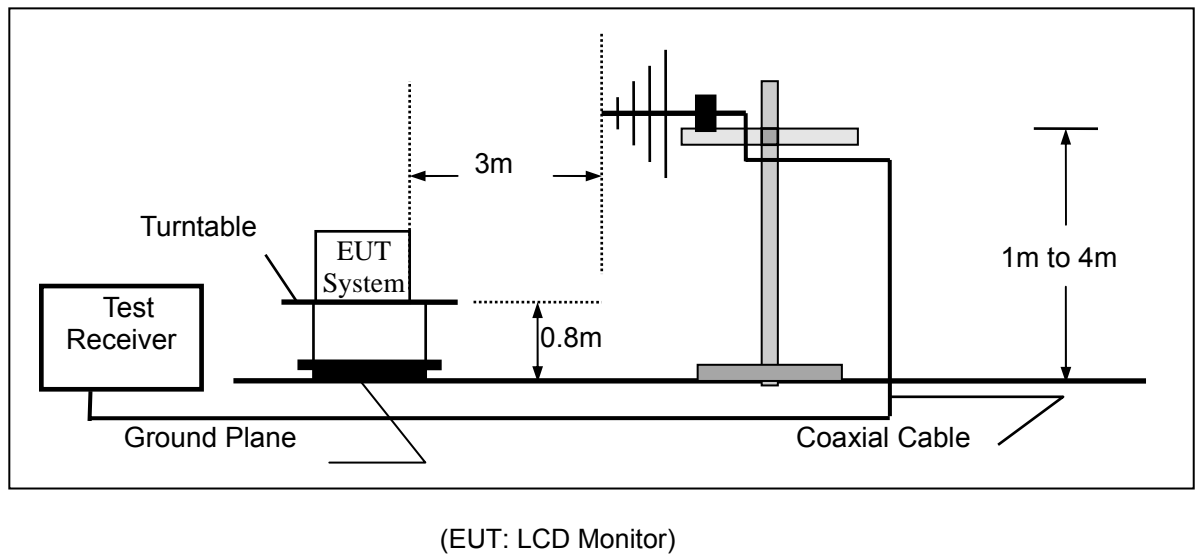
5. RADIATED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup

5.1.1. Block diagram of EUT System



5.1.2. Block diagram of test setup (In chamber)



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	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
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 ($\text{dB}\mu\text{V/m}$)	Peak ($\text{dB}\mu\text{V/m}$)
1~6	3	54	74

- Remark: (1) Emission level $(\text{dB})\mu\text{V} = 20 \log$ Emission level $\mu\text{V/m}$
(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. Configuration of EUT 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 : CL1980ET

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 (DVI, VGA, USB) 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) or horn antenna is used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

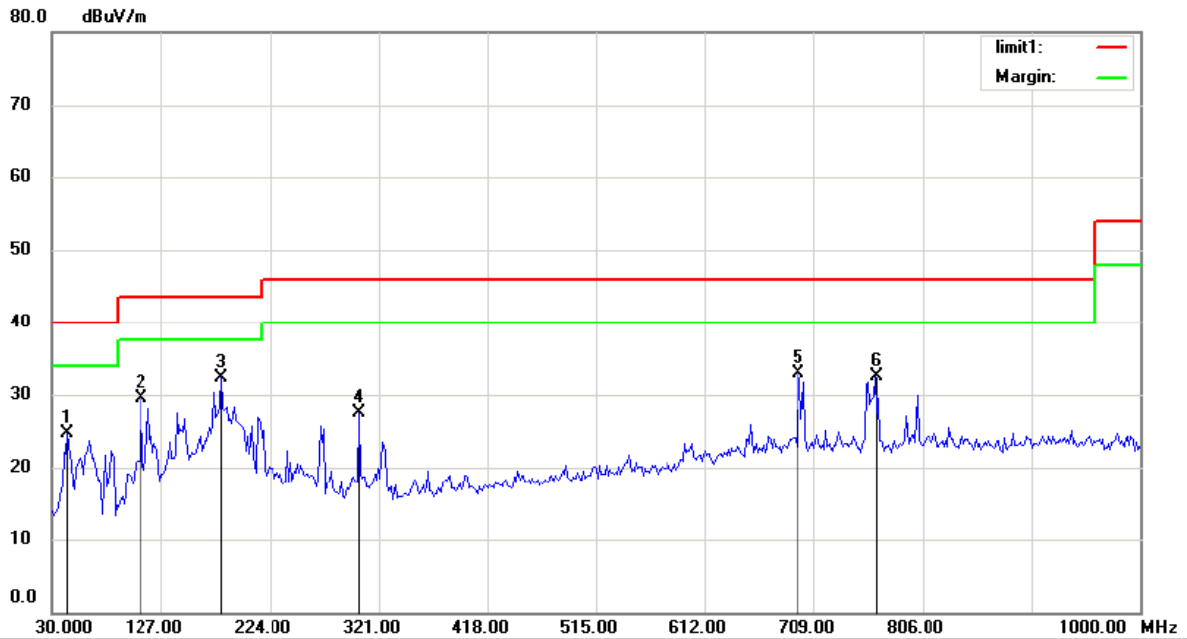
We Pre-scanned tests, X, Y, Z in the three orthogonal panels, the worse of the result x recorded in the following pages.

The bandwidth of the Receiver (ESU26) is set at 120kHz.

5.7. Measuring Results

PASS.

The frequency range from 30MHz to 6GHz is investigated.
Please refer to below a few pages.

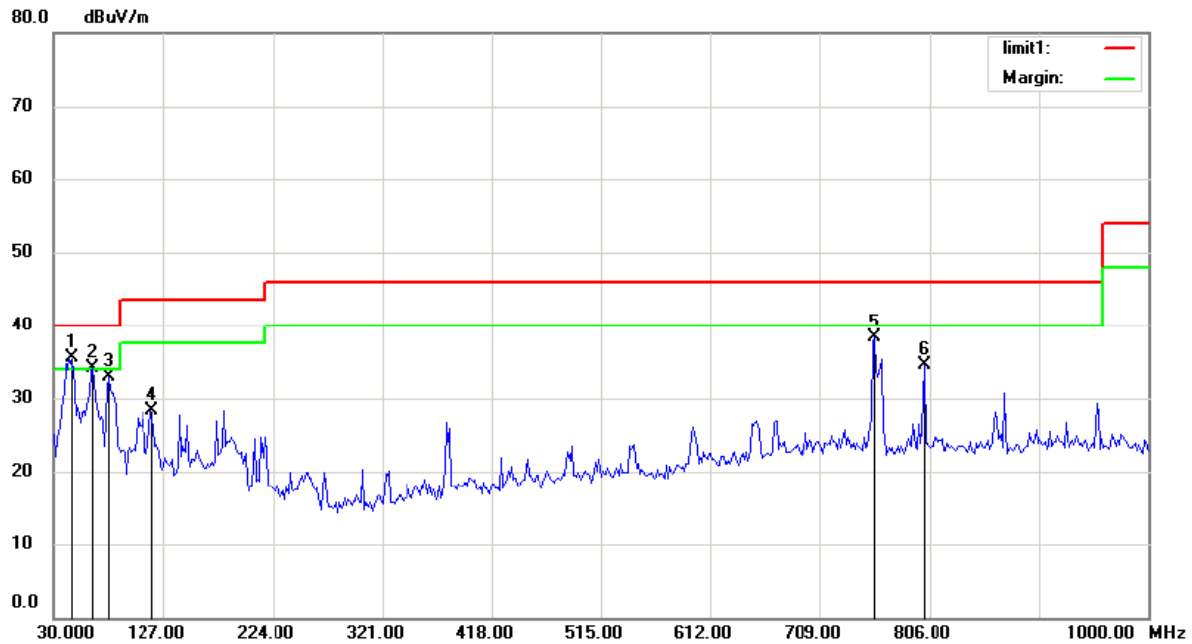


Site site #1 Polarization: **Horizontal** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:VGA(640*480/60Hz)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		43.9903	10.54	14.09	24.63	40.00	-15.37	QP		
2		109.2788	16.43	13.02	29.45	43.50	-14.05	QP		
3	*	180.7852	20.87	11.53	32.40	43.50	-11.10	QP		
4		303.5897	12.39	15.18	27.57	46.00	-18.43	QP		
5		695.3205	10.20	22.80	33.00	46.00	-13.00	QP		
6		763.7180	10.07	22.39	32.46	46.00	-13.54	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU



Site site #1

Polarization: **Vertical**

Temperature: 26

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 60 %

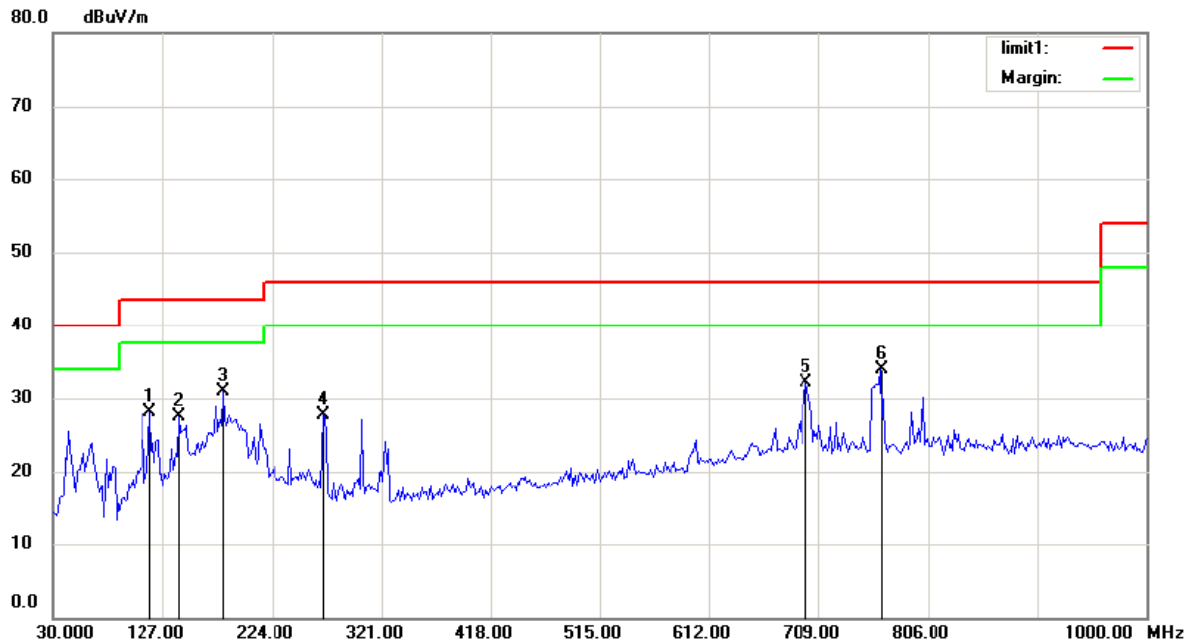
Mode:VGA(640*480/60Hz)

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	43.9904	21.43	14.09	35.52	40.00	-4.48	QP		
2	I	64.1987	22.50	11.61	34.11	40.00	-5.89	QP		
3		78.1891	24.08	8.90	32.98	40.00	-7.02	QP		
4		115.4968	15.69	12.53	28.22	43.50	-15.28	QP		
5		757.5000	15.84	22.55	38.39	46.00	-7.61	QP		
6		801.0256	11.65	22.84	34.49	46.00	-11.51	QP		

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

Operator: YU



Site site #1

Polarization: **Horizontal**

Temperature: 26

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 60 %

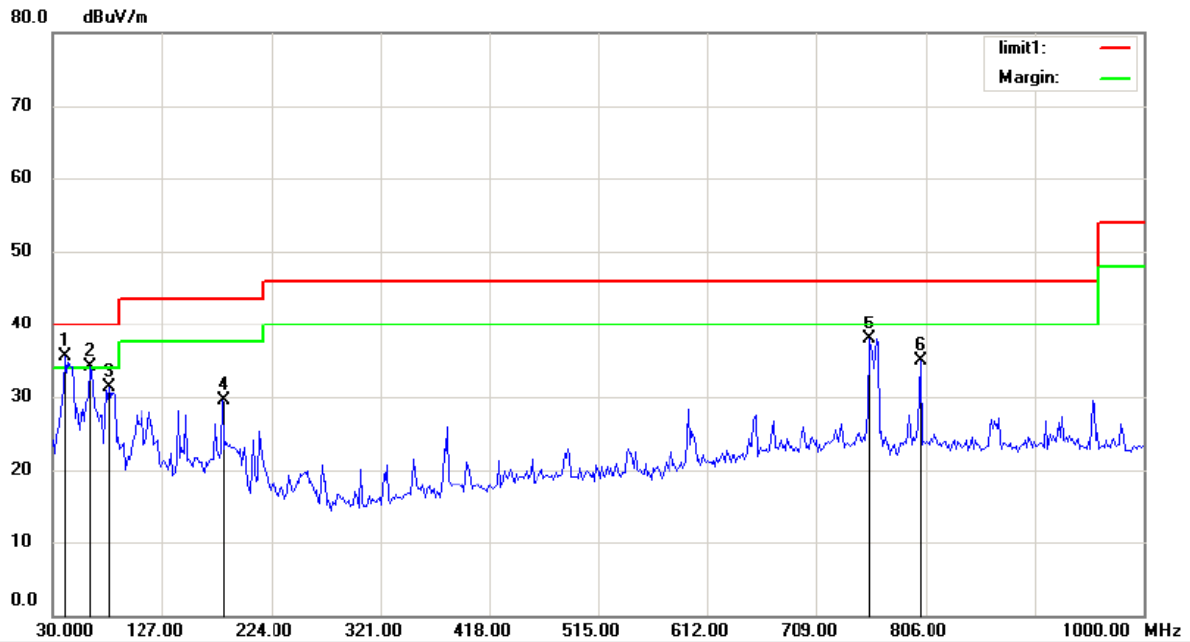
Mode:VGA(1024*768/60Hz)

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		115.4967	15.65	12.53	28.18	43.50	-15.32	QP		
2		141.9230	17.60	9.97	27.57	43.50	-15.93	QP		
3		180.7852	19.37	11.53	30.90	43.50	-12.60	QP		
4		269.3910	13.75	14.05	27.80	46.00	-18.20	QP		
5		698.4294	9.38	22.70	32.08	46.00	-13.92	QP		
6	*	763.7180	11.47	22.39	33.86	46.00	-12.14	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU

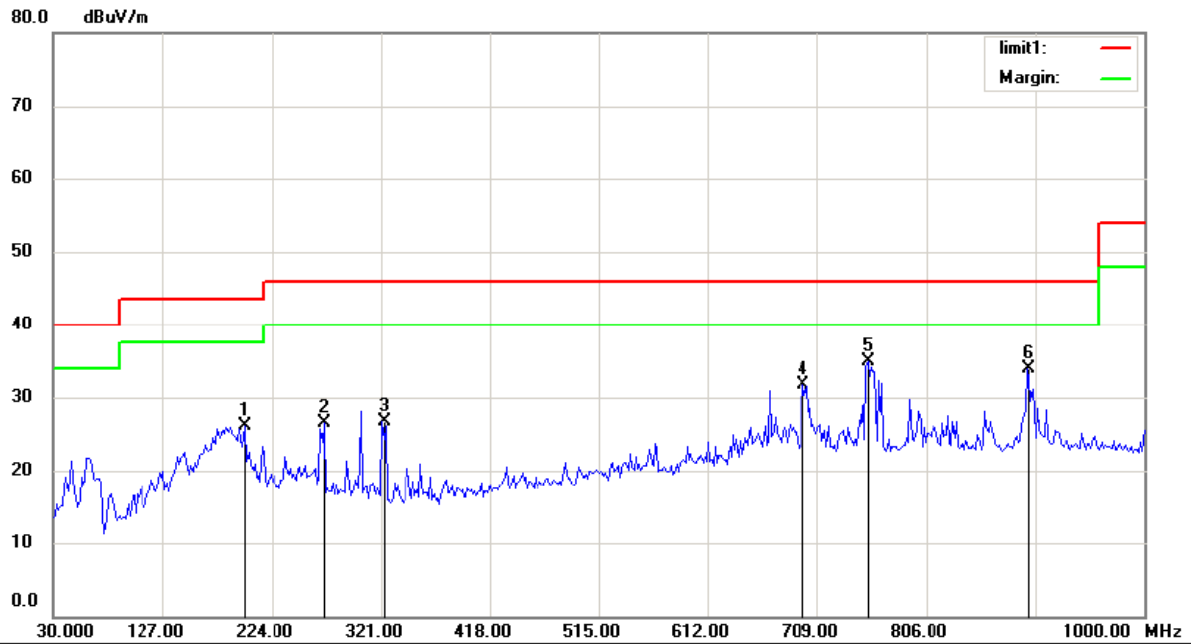


Site site #1 Polarization: **Vertical** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:VGA(1024*768/60Hz)
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1	*	40.8814	21.44	14.10	35.54	40.00	-4.46	QP		
2	!	62.6442	21.88	12.23	34.11	40.00	-5.89	QP		
3		79.7435	22.13	9.13	31.26	40.00	-8.74	QP		
4		180.7853	17.94	11.55	29.49	43.50	-14.01	QP		
5		755.9455	15.27	22.59	37.86	46.00	-8.14	QP		
6		801.0256	12.02	22.84	34.86	46.00	-11.14	QP		

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

Operator: YU

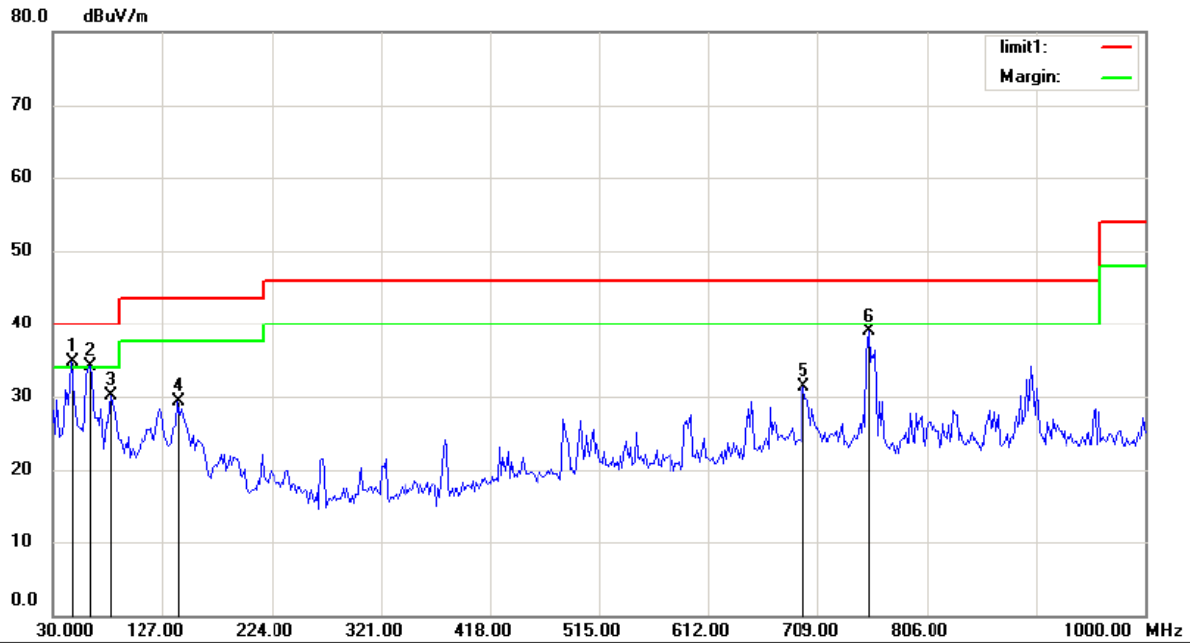


Site site #1 Polarization: **Horizontal** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:VGA(1280*1024/60Hz)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		199.4391	13.71	12.39	26.10	43.50	-17.40	QP		
2		270.9455	12.34	14.11	26.45	46.00	-19.55	QP		
3		322.2436	11.10	15.53	26.63	46.00	-19.37	QP		
4		696.8750	8.96	22.75	31.71	46.00	-14.29	QP		
5	*	754.3910	12.33	22.63	34.96	46.00	-11.04	QP		
6		895.8494	10.10	23.78	33.88	46.00	-12.12	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU



Site site #1

Polarization: **Vertical**

Temperature: 26

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 60 %

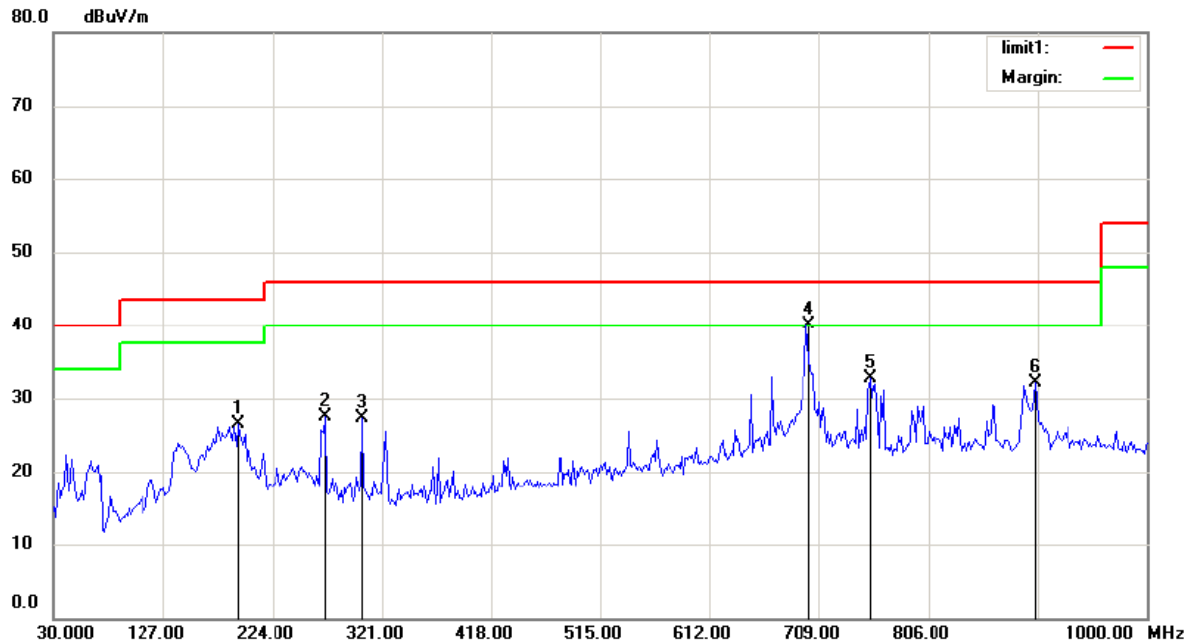
Mode:VGA(1280*1024/60Hz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	45.5450	20.63	14.06	34.69	40.00	-5.31	QP		
2	I	62.6442	21.95	12.23	34.18	40.00	-5.82	QP		
3		81.2980	20.38	9.64	30.02	40.00	-9.98	QP		
4		140.3686	19.32	9.92	29.24	43.50	-14.26	QP		
5		696.8750	8.55	22.72	31.27	46.00	-14.73	QP		
6		754.3910	16.32	22.63	38.95	46.00	-7.05	QP		

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

Operator: YU

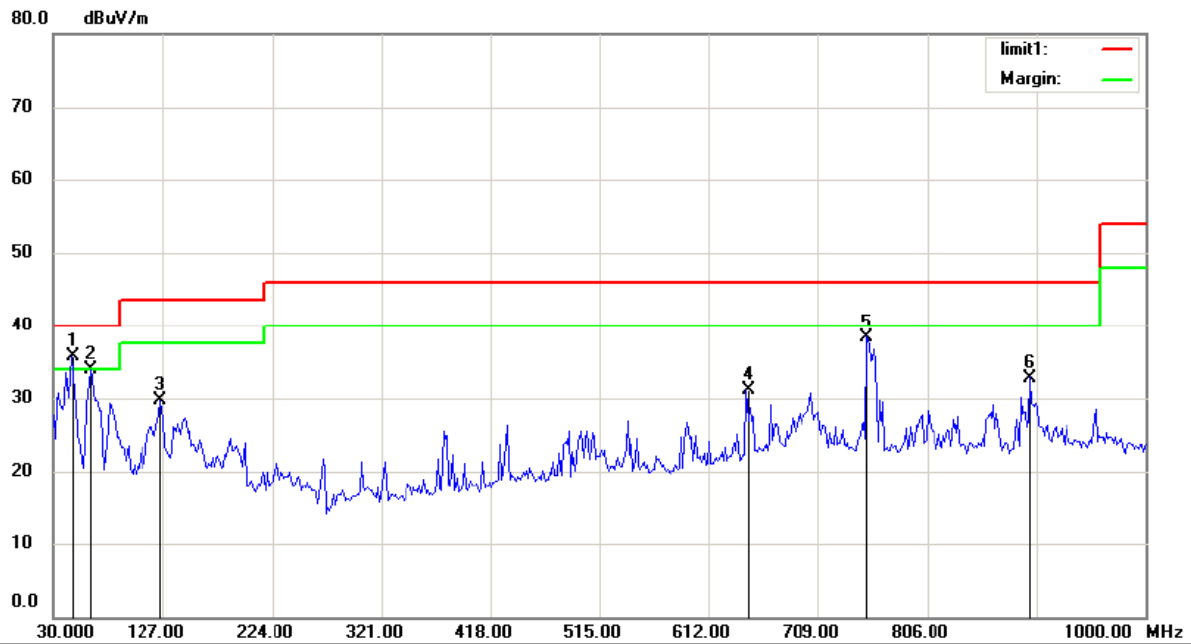


Site site #1 Polarization: **Horizontal** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:DVI(1280*1024/60Hz)
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		193.2211	14.23	12.35	26.58	43.50	-16.92	QP		
2		270.9455	13.46	14.11	27.57	46.00	-18.43	QP		
3		303.5897	12.10	15.18	27.28	46.00	-18.72	QP		
4	*	698.4295	17.48	22.70	40.18	46.00	-5.82	QP		
5		754.3910	10.07	22.63	32.70	46.00	-13.30	QP		
6		900.5128	8.09	23.93	32.02	46.00	-13.98	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU

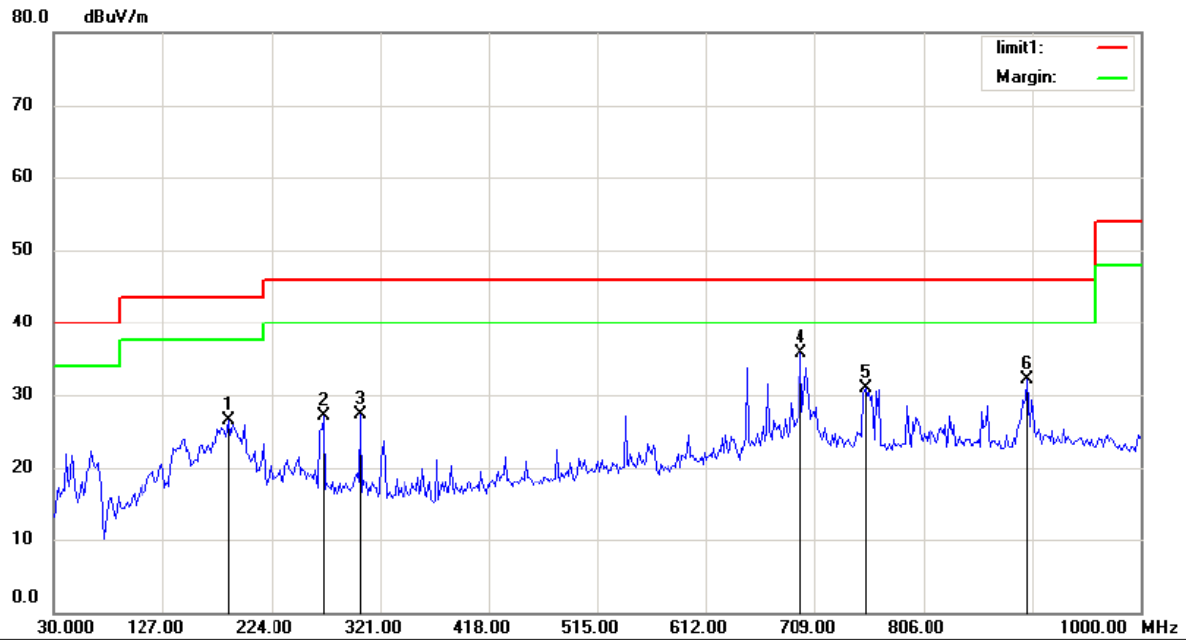


Site site #1 Polarization: **Vertical** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:DVI(1280*1024/60Hz)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	45.5450	21.65	14.06	35.71	40.00	-4.29	QP		
2		62.6442	21.66	12.23	33.89	40.00	-6.11	QP		
3		124.8237	18.17	11.45	29.62	43.50	-13.88	QP		
4		645.5770	9.07	22.11	31.18	46.00	-14.82	QP		
5		752.8365	15.73	22.67	38.40	46.00	-7.60	QP		
6		897.4038	8.98	23.82	32.80	46.00	-13.20	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU

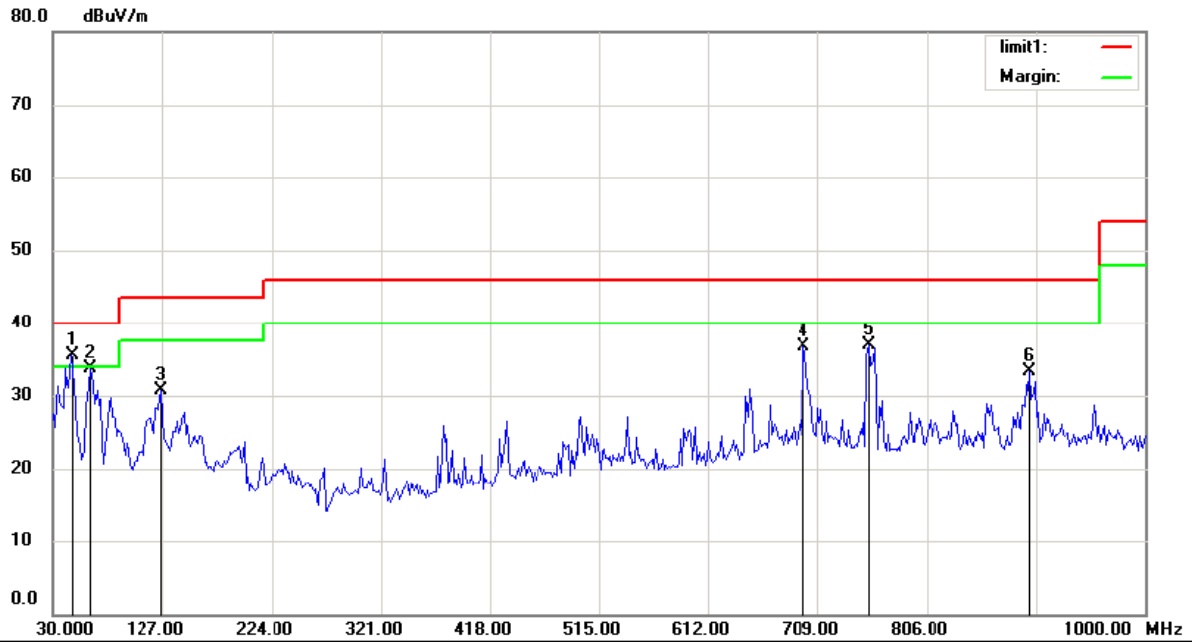


Site site #1 Polarization: **Horizontal** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:DVI(1024*768/60Hz)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		185.4487	14.63	11.93	26.56	43.50	-16.94	QP		
2		270.9455	13.07	14.11	27.18	46.00	-18.82	QP		
3		303.5897	12.18	15.18	27.36	46.00	-18.64	QP		
4	*	696.8750	13.02	22.75	35.77	46.00	-10.23	QP		
5		754.3910	8.24	22.63	30.87	46.00	-15.13	QP		
6		898.9583	8.24	23.88	32.12	46.00	-13.88	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU

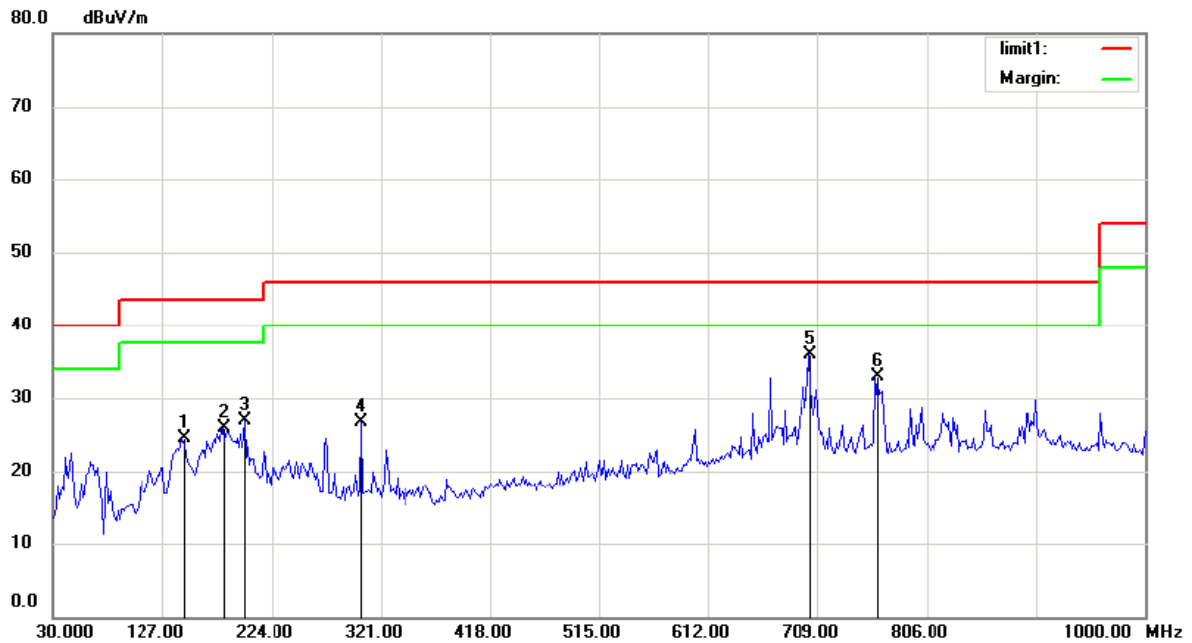


Site site #1 Polarization: **Vertical** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:DVI(1024*768/60Hz)
Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	45.5450	21.45	14.06	35.51	40.00	-4.49	QP		
2		62.6442	21.43	12.23	33.66	40.00	-6.34	QP		
3		126.3782	19.58	11.21	30.79	43.50	-12.71	QP		
4		696.8750	14.00	22.72	36.72	46.00	-9.28	QP		
5		754.3910	14.23	22.63	36.86	46.00	-9.14	QP		
6		897.4038	9.44	23.82	33.26	46.00	-12.74	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU



Site site #1

Polarization: **Horizontal**

Temperature: 26

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 60 %

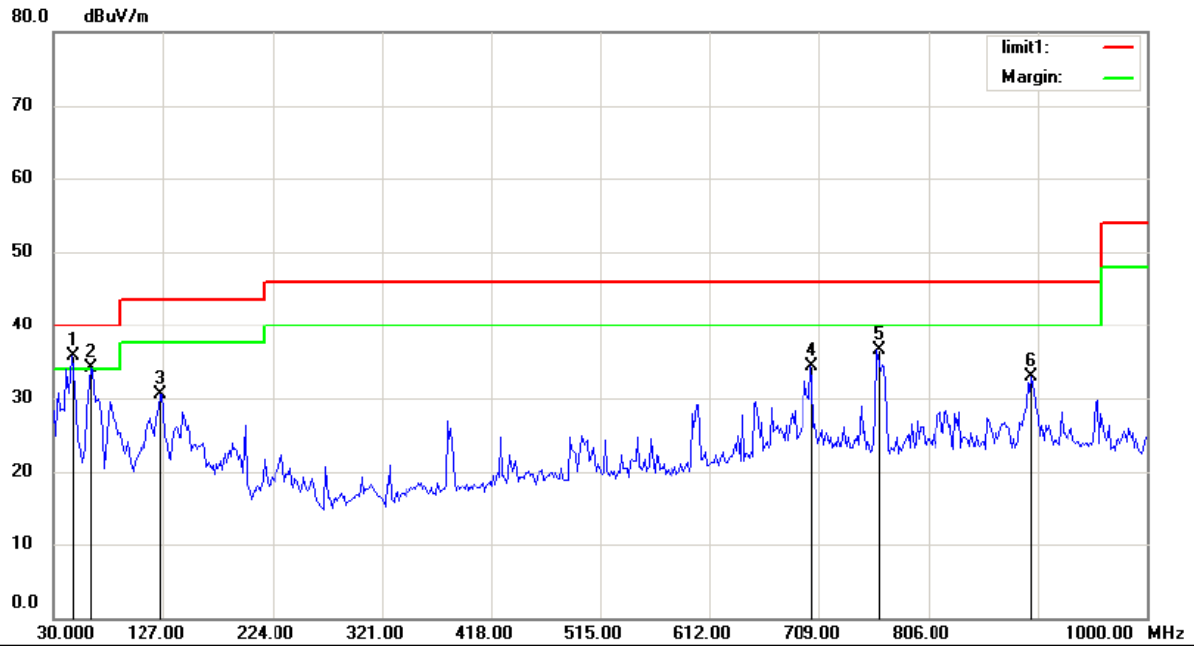
Mode:DVI(640*480/60Hz)

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		145.0321	14.46	9.99	24.45	43.50	-19.05	QP		
2		180.7853	14.34	11.53	25.87	43.50	-17.63	QP		
3		199.4391	14.60	12.39	26.99	43.50	-16.51	QP		
4		303.5897	11.62	15.18	26.80	46.00	-19.20	QP		
5	*	701.5385	13.23	22.63	35.86	46.00	-10.14	QP		
6		760.6090	10.34	22.47	32.81	46.00	-13.19	QP		

*:Maximum data x:Over limit l:over margin

Operator: YU

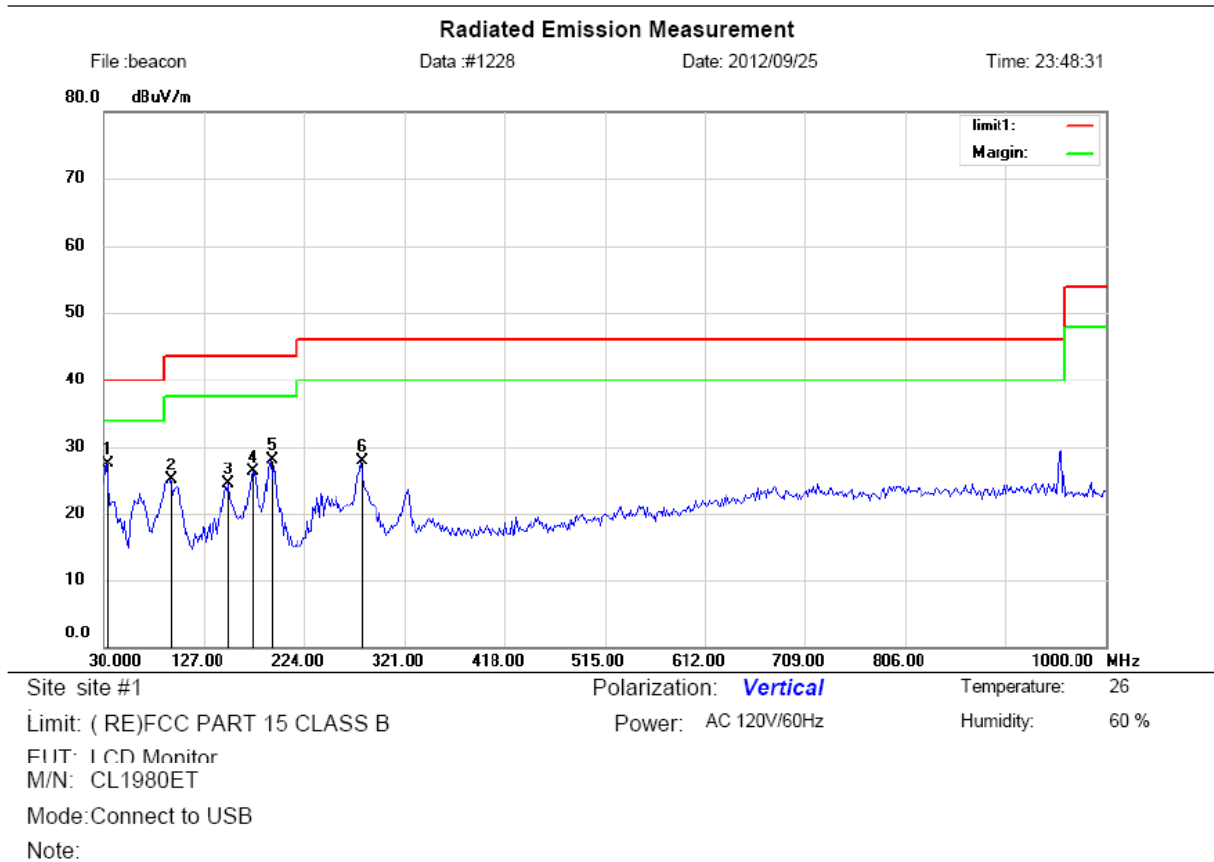


Site site #1 Polarization: **Vertical** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:DVI(640*480/60Hz)
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	45.5450	21.59	14.06	35.65	40.00	-4.35	QP		
2	!	62.6442	21.97	12.23	34.20	40.00	-5.80	QP		
3		124.8237	19.10	11.45	30.55	43.50	-12.95	QP		
4		701.5385	11.69	22.69	34.38	46.00	-11.62	QP		
5		760.6090	14.10	22.46	36.56	46.00	-9.44	QP		
6		897.4038	9.05	23.82	32.87	46.00	-13.13	QP		

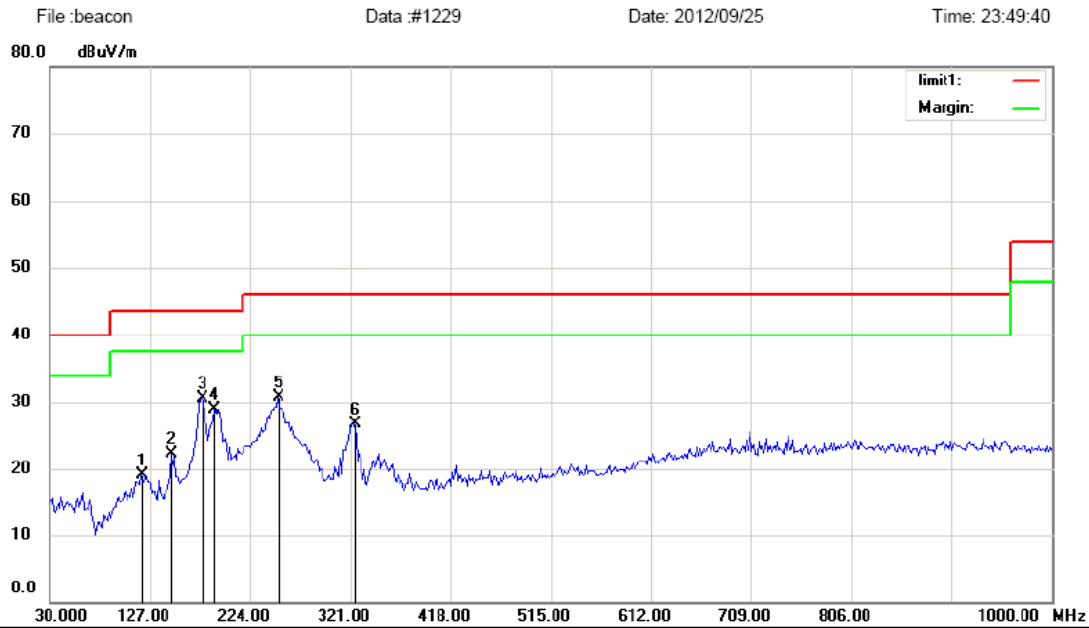
*:Maximum data x:Over limit !:over margin

Operator: YU



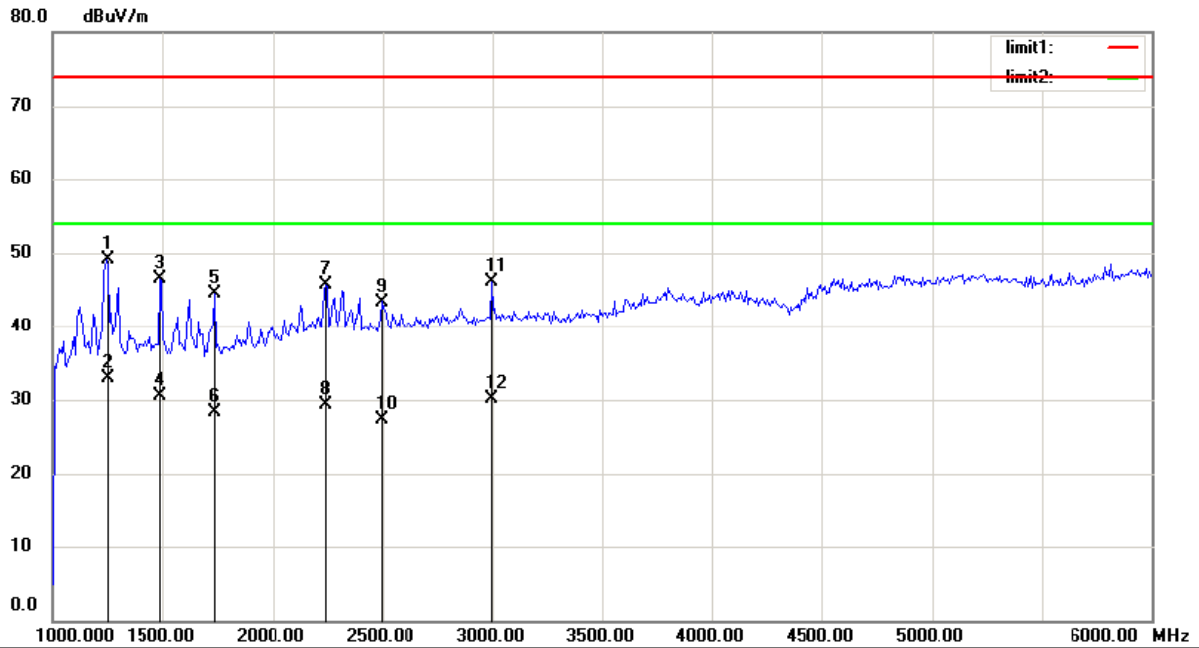
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	33.1090	14.73	12.83	27.56	40.00	-12.44	QP		
2		93.7340	11.82	13.26	25.08	43.50	-18.42	QP		
3		151.2500	14.44	10.06	24.50	43.50	-19.00	QP		
4		174.5673	15.24	11.08	26.32	43.50	-17.18	QP		
5		191.6667	15.73	12.36	28.09	43.50	-15.41	QP		
6		278.7180	13.21	14.63	27.84	46.00	-18.16	QP		

Radiated Emission Measurement



Site site #1 Polarization: **Horizontal** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
EUT: LCD Monitor Power: AC 120V/60Hz Humidity: 60 %
Limit: (RE)FCC PART 15 CLASS B
EUT: LCD Monitor
M/N: CL1980ET
Mode:Connect to USB
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		118.6058	6.74	12.28	19.02	43.50	-24.48	QP		
2		148.1410	12.30	10.01	22.31	43.50	-21.19	QP		
3	*	176.1218	19.29	11.19	30.48	43.50	-13.02	QP		
4		190.1121	16.57	12.33	28.90	43.50	-14.60	QP		
5		250.7372	16.83	13.82	30.65	46.00	-15.35	QP		
6		323.7981	11.04	15.58	26.62	46.00	-19.38	QP		

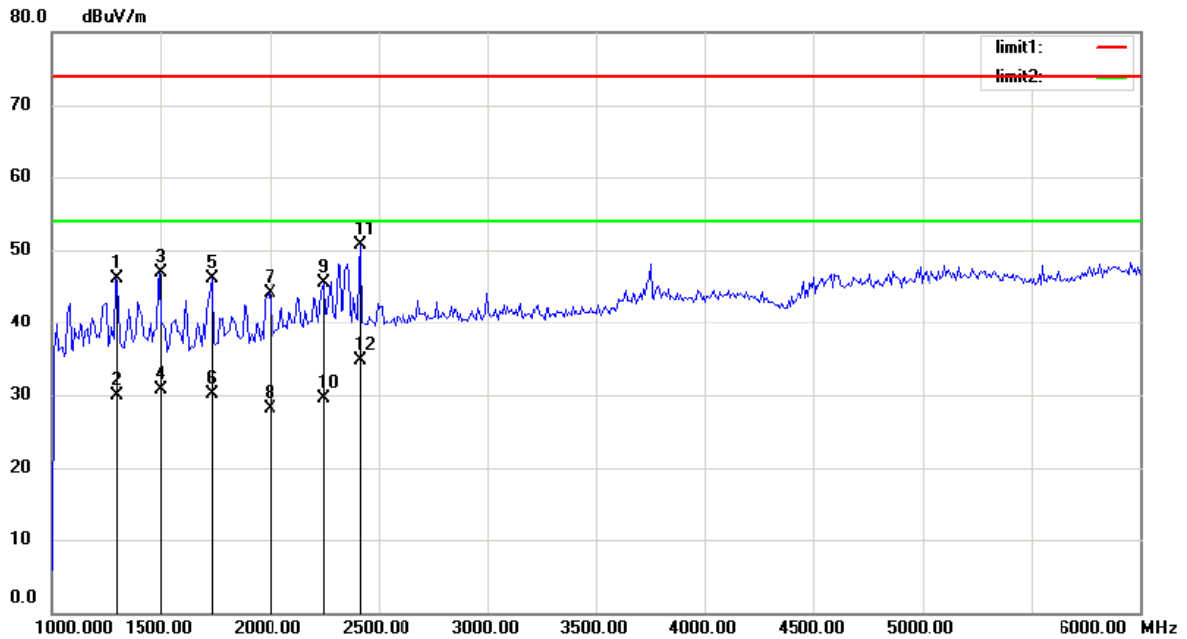


Site site #1 Polarization: **Horizontal** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:VGA(1280*1024/60Hz)
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		1240.385	61.16	-12.13	49.03	74.00	-24.97	peak			
2	*	1240.385	45.00	-12.13	32.87	54.00	-21.13	AVG			
3		1488.782	58.40	-11.93	46.47	74.00	-27.53	peak			
4		1488.782	42.40	-11.93	30.47	54.00	-23.53	AVG			
5		1737.179	56.38	-11.86	44.52	74.00	-29.48	peak			
6		1737.179	40.20	-11.86	28.34	54.00	-25.66	AVG			
7		2241.987	54.14	-8.48	45.66	74.00	-28.34	peak			
8		2241.987	37.80	-8.48	29.32	54.00	-24.68	AVG			
9		2498.397	52.07	-8.67	43.40	74.00	-30.60	peak			
10		2498.397	36.00	-8.67	27.33	54.00	-26.67	AVG			
11		2995.192	53.42	-7.35	46.07	74.00	-27.93	peak			
12		2995.192	37.50	-7.35	30.15	54.00	-23.85	AVG			

*:Maximum data x:Over limit l:over margin

Operator: YU

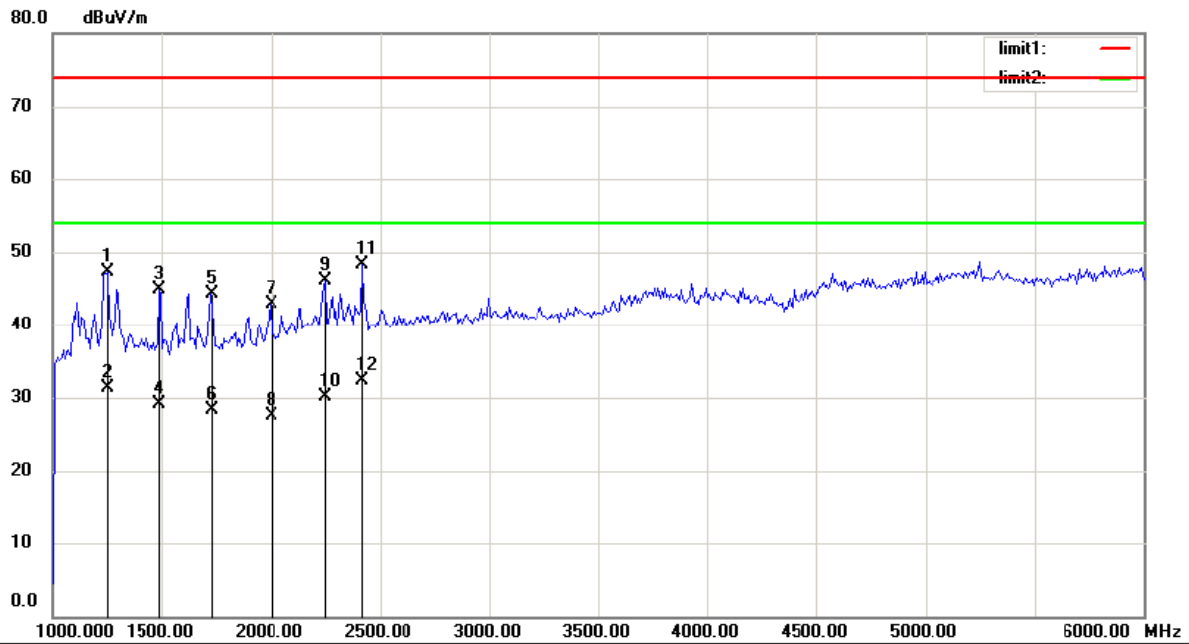


Site site #1 Polarization: **Vertical** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:VGA(1280*1024/60Hz)
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		1288.462	57.88	-11.84	46.04	74.00	-27.96	peak		
2		1288.462	41.80	-11.84	29.96	54.00	-24.04	AVG		
3		1496.795	58.89	-11.93	46.96	74.00	-27.04	peak		
4		1496.795	42.60	-11.93	30.67	54.00	-23.33	AVG		
5		1737.179	58.00	-11.86	46.14	74.00	-27.86	peak		
6		1737.179	42.00	-11.86	30.14	54.00	-23.86	AVG		
7		1993.590	54.72	-10.56	44.16	74.00	-29.84	peak		
8		1993.590	38.60	-10.56	28.04	54.00	-25.96	AVG		
9		2250.000	53.99	-8.46	45.53	74.00	-28.47	peak		
10		2250.000	38.00	-8.46	29.54	54.00	-24.46	AVG		
11		2418.269	59.36	-8.71	50.65	74.00	-23.35	peak		
12	*	2418.269	43.50	-8.71	34.79	54.00	-19.21	AVG		

*:Maximum data x:Over limit l:over margin

Operator: YU

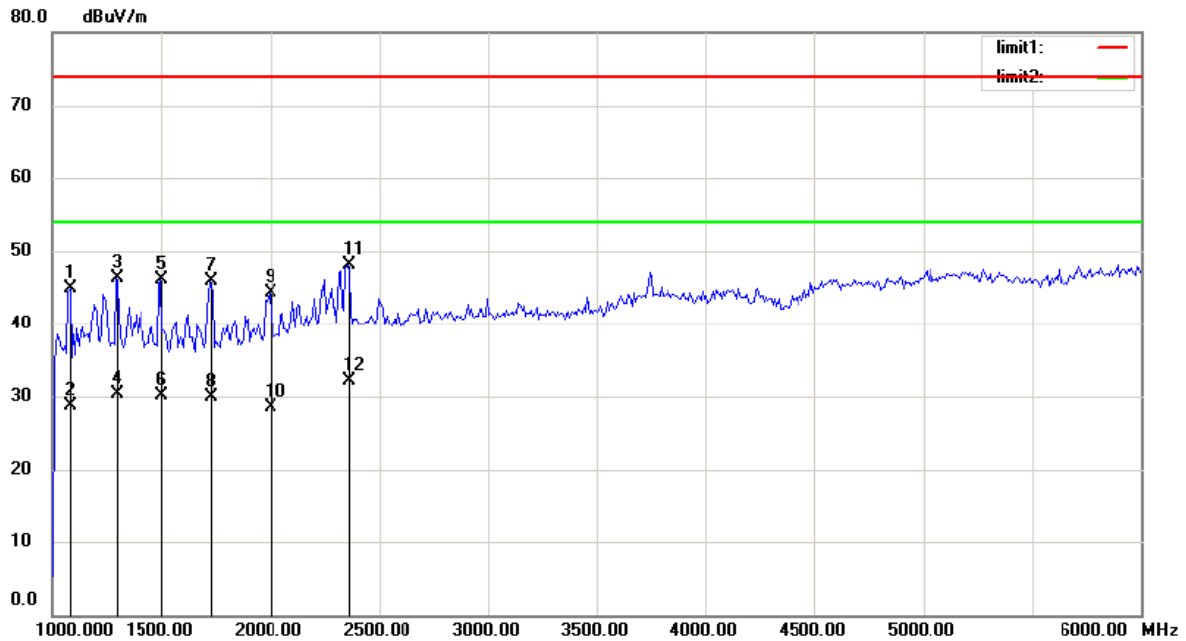


Site site #1 Polarization: **Horizontal** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:DVI(1280*1024/60Hz)
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		1248.397	59.36	-12.08	47.28	74.00	-26.72	peak			
2		1248.397	43.30	-12.08	31.22	54.00	-22.78	AVG			
3		1488.782	56.90	-11.93	44.97	74.00	-29.03	peak			
4		1488.782	41.00	-11.93	29.07	54.00	-24.93	AVG			
5		1721.154	56.25	-11.92	44.33	74.00	-29.67	peak			
6		1721.154	40.20	-11.92	28.28	54.00	-25.72	AVG			
7		1993.590	53.47	-10.56	42.91	74.00	-31.09	peak			
8		1993.590	38.00	-10.56	27.44	54.00	-26.56	AVG			
9		2250.000	54.52	-8.46	46.06	74.00	-27.94	peak			
10		2250.000	38.50	-8.46	30.04	54.00	-23.96	AVG			
11		2418.269	56.93	-8.71	48.22	74.00	-25.78	peak			
12	*	2418.269	41.10	-8.71	32.39	54.00	-21.61	AVG			

*:Maximum data x:Over limit l:over margin

Operator: YU



Site site #1 Polarization: **Vertical** Temperature: 26
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 60 %
Mode:DVI(1280*1024/60Hz)
Note:

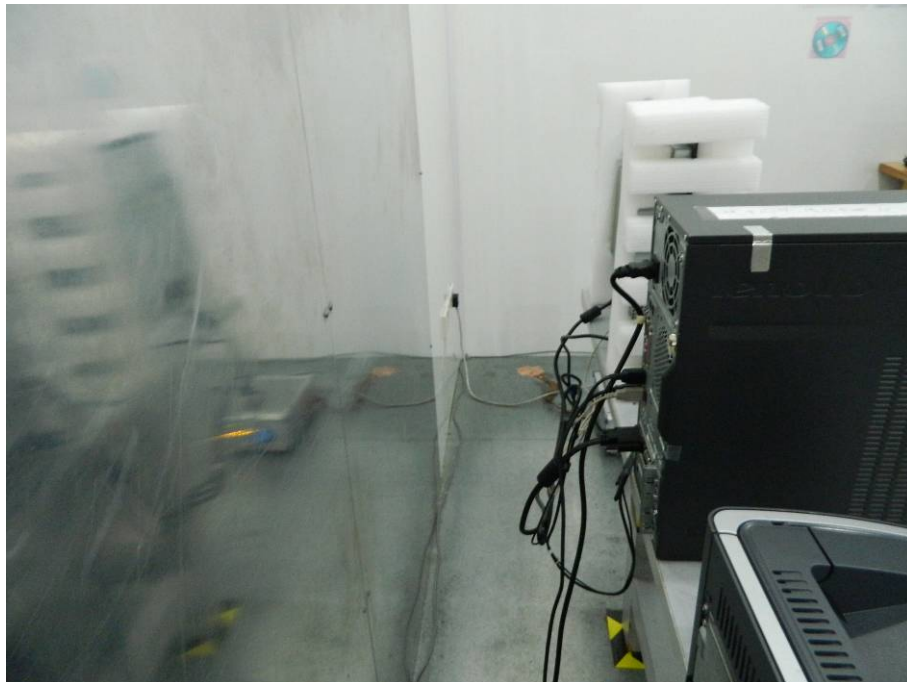
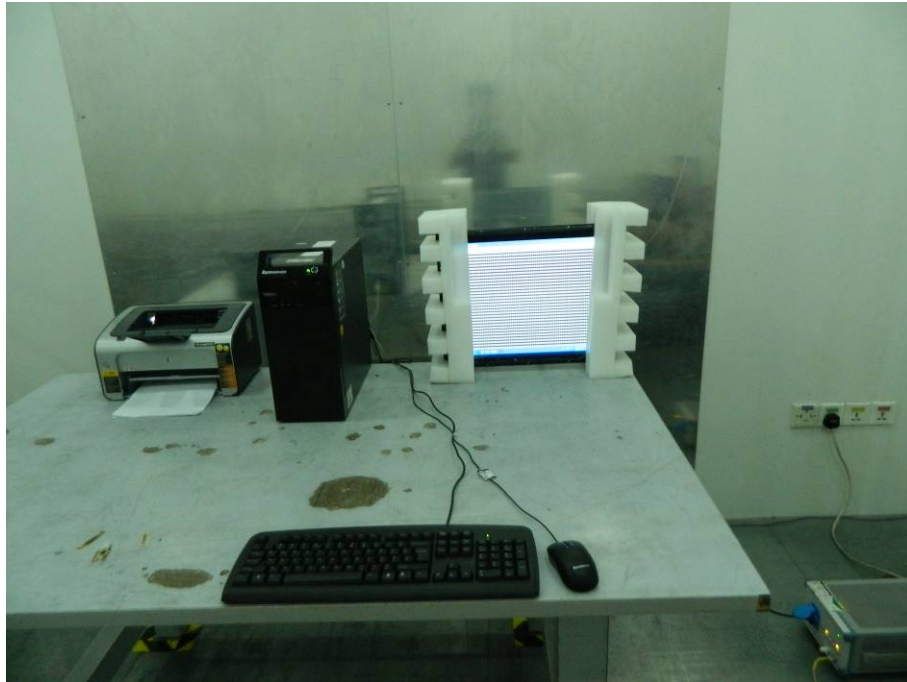
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		1080.128	58.03	-13.20	44.83	74.00	-29.17	peak		
2		1080.128	42.00	-13.20	28.80	54.00	-25.20	AVG		
3		1288.462	58.20	-11.84	46.36	74.00	-27.64	peak		
4		1288.462	42.20	-11.84	30.36	54.00	-23.64	AVG		
5		1496.795	58.04	-11.93	46.11	74.00	-27.89	peak		
6		1496.795	42.10	-11.93	30.17	54.00	-23.83	AVG		
7		1721.154	57.74	-11.92	45.82	74.00	-28.18	peak		
8		1721.154	41.80	-11.92	29.88	54.00	-24.12	AVG		
9		1993.590	54.92	-10.56	44.36	74.00	-29.64	peak		
10		1993.590	39.00	-10.56	28.44	54.00	-25.56	AVG		
11		2354.167	56.63	-8.57	48.06	74.00	-25.94	peak		
12	*	2354.167	40.60	-8.57	32.03	54.00	-21.97	AVG		

*:Maximum data x:Over limit l:over margin

Operator: YU

6. PHOTOGRAPHS

6.1. Photo of Power line Conducted Emission Measurement



6.2. Photo of Radiation Emission Measurement

