

Test Report For

SHENZHEN BEACON DISPLAY TECHNOLOGY CO., LTD.

LCD Monitor

Model No.: S26P, E260, S26**, S26**P

FCC ID: Z5QLCDS262P

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

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Report Number : ES140530295E
Date of Test : June 3, 2014 to June 17, 2014
Date of Report : June 17, 2014

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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. : S26P, E260, S26**, S26**P
Power Supply : DC 24V from Adapter

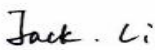
Measurement Procedure Used:

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 : June 3, 2014 to June 17, 2014

Prepared by : 
Jack Li/Editor

Reviewer : 
June Xie/Supervisor

Approved & Authorized Signer : 
Lisa Wang/Manager

Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ES140530295E	/	Original Version

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	:	S26P, E260, S26**, S26**P All models are almost the same, P means with front protection glass with brightness sensor, * stands for 0-9 for different client. We take S26P to test.
Adapter	:	Model: MENB1100A2448F02 Input: AC 100-240V, 50-60Hz, 2.0A Output: DC 24V, 4.2A
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	:	June 3, 2014
Date of Test	:	June 3, 2014 to June 17, 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

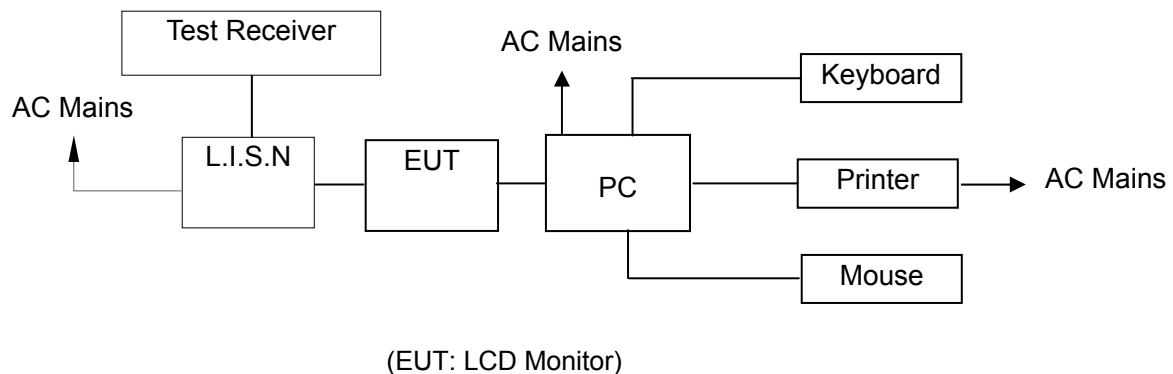
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☒	Test Receiver	Rohde & Schwarz	ESCS30	828985/018	May 17, 2014	1 Year
☒	L.I.S.N.	Schwarzbeck	NNLK8129	8129-203	May 17, 2014	1 Year
☐	L.I.S.N.	ROHDE & SCHWARZ	ESH3-Z6	100011	May 17, 2014	1 Year
☐	L.I.S.N.	ROHDE & SCHWARZ	ESH3-Z6	100253	May 17, 2014	1 Year
☒	L.I.S.N.	ROHDE & SCHWARZ	ESH3-Z5	100191	May 17, 2014	1 Year
☒	50Ω Coaxial Switch	Anritsu	MP59B	M20531	N/A	N/A
☐	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	May 17, 2014	1 Year
☐	Current probe	Rohde & Schwarz	EZ-17	0816.2063.02	May 17, 2014	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 17, 2014	1 Year
☒	Pre-Amplifier	HP	8447D	2944A07999	May 17, 2014	1 Year
☒	Bilog Antenna	Schwarzbeck	VULB9163	142	May 17, 2014	1 Year
☐	Loop Antenna	Schwarzbeck	FMZB 1519	012	May 17, 2014	1 Year
☐	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	May 17, 2014	1 Year
☒	Horn Antenna	Schwarzbeck	BBHA 9120	D143	May 17, 2014	1 Year
☒	Cable	Schwarzbeck	AK9513	ACRX1	May 17, 2014	1 Year
☒	Cable	Rosenberger	N/A	FP2RX2	May 17, 2014	1 Year
☒	Cable	Schwarzbeck	AK9513	CRPX1	May 17, 2014	1 Year
☒	Cable	Schwarzbeck	AK9513	CRRX2	May 17, 2014	1 Year
☒	Pre-Amplifier	A.H.	PAM-0126	1415261	May 17, 2014	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. 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 : S262P

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 1920*1080, DVI mode 1920*1080, CVBS in, Y+Pb+Pr, S-Video) 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.

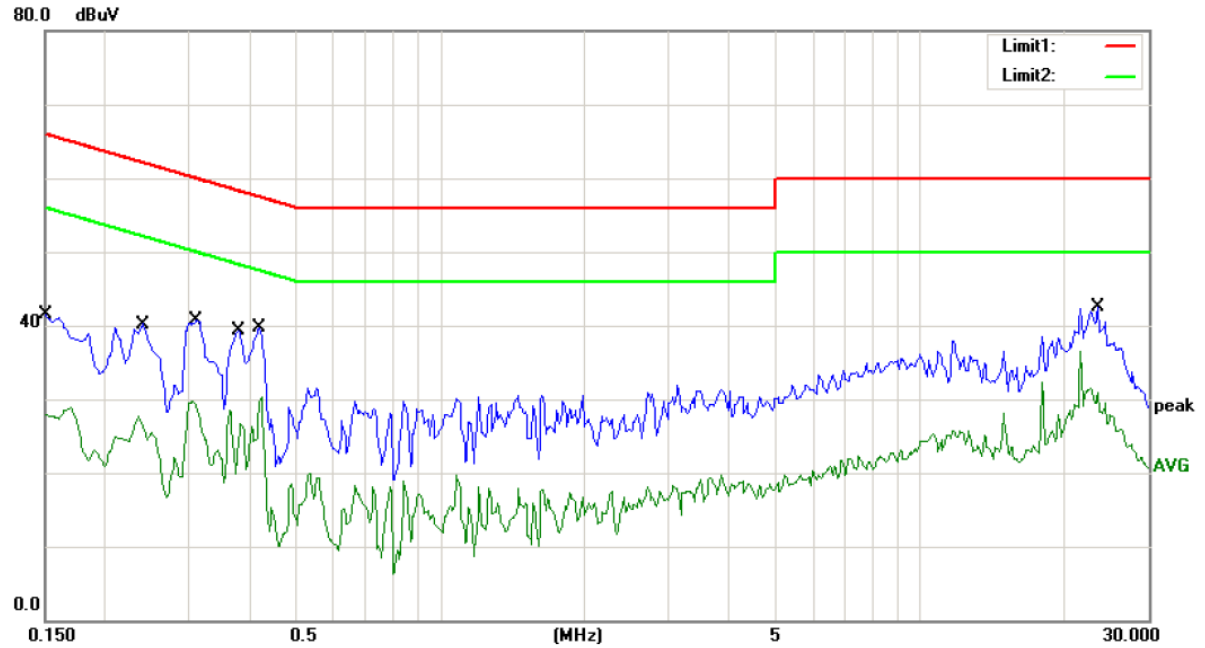
The frequency range from 150kHz to 30MHz is investigated.

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 #1

Phase: **L1**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

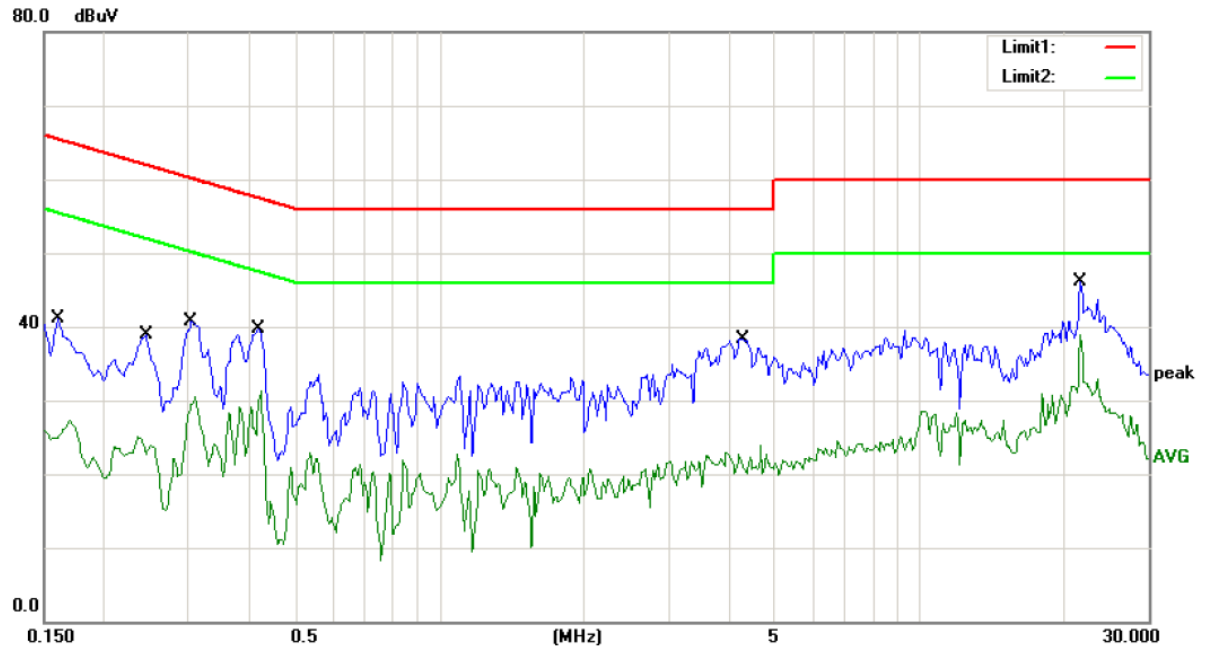
Humidity: 53 %

Mode: VGA IN

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	41.47	0.00	41.47	66.00	-24.53	QP	
2		0.1500	28.45	0.00	28.45	56.00	-27.55	AVG	
3		0.2400	40.20	0.00	40.20	62.10	-21.90	QP	
4		0.2400	27.66	0.00	27.66	52.10	-24.44	AVG	
5		0.3100	40.76	0.00	40.76	59.97	-19.21	QP	
6		0.3100	29.73	0.00	29.73	49.97	-20.24	AVG	
7		0.3800	39.34	0.00	39.34	58.28	-18.94	QP	
8		0.3800	28.54	0.00	28.54	48.28	-19.74	AVG	
9		0.4200	39.66	0.00	39.66	57.45	-17.79	QP	
10	*	0.4200	30.29	0.00	30.29	47.45	-17.16	AVG	
11		23.5500	42.50	0.00	42.50	60.00	-17.50	QP	
12		23.5500	31.55	0.00	31.55	50.00	-18.45	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

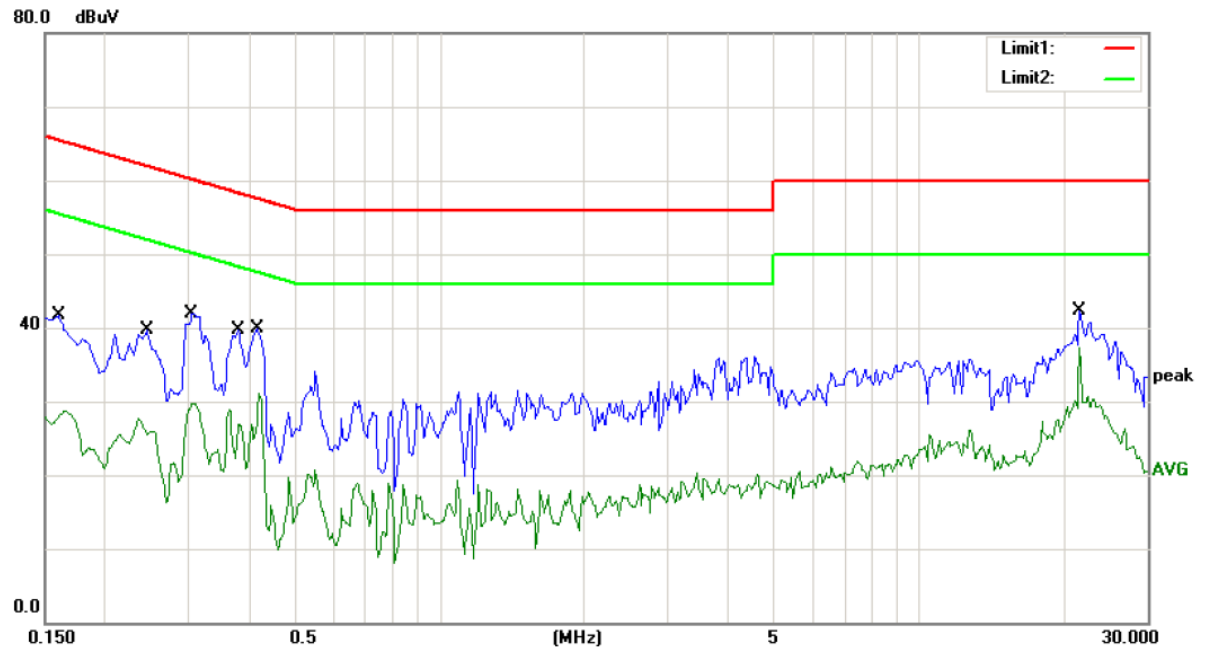
Humidity: 53 %

Mode: VGA IN

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1600	41.18	0.00	41.18	65.46	-24.28	QP	
2		0.1600	27.22	0.00	27.22	55.46	-28.24	AVG	
3		0.2450	38.80	0.00	38.80	61.92	-23.12	QP	
4		0.2450	25.02	0.00	25.02	51.92	-26.90	AVG	
5		0.3050	40.63	0.00	40.63	60.11	-19.48	QP	
6		0.3050	30.43	0.00	30.43	50.11	-19.68	AVG	
7		0.4200	39.66	0.00	39.66	57.45	-17.79	QP	
8		0.4200	31.29	0.00	31.29	47.45	-16.16	AVG	
9		4.2900	38.24	0.00	38.24	56.00	-17.76	QP	
10		4.2900	22.88	0.00	22.88	46.00	-23.12	AVG	
11		21.6250	46.04	0.00	46.04	60.00	-13.96	QP	
12	*	21.6250	38.93	0.00	38.93	50.00	-11.07	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

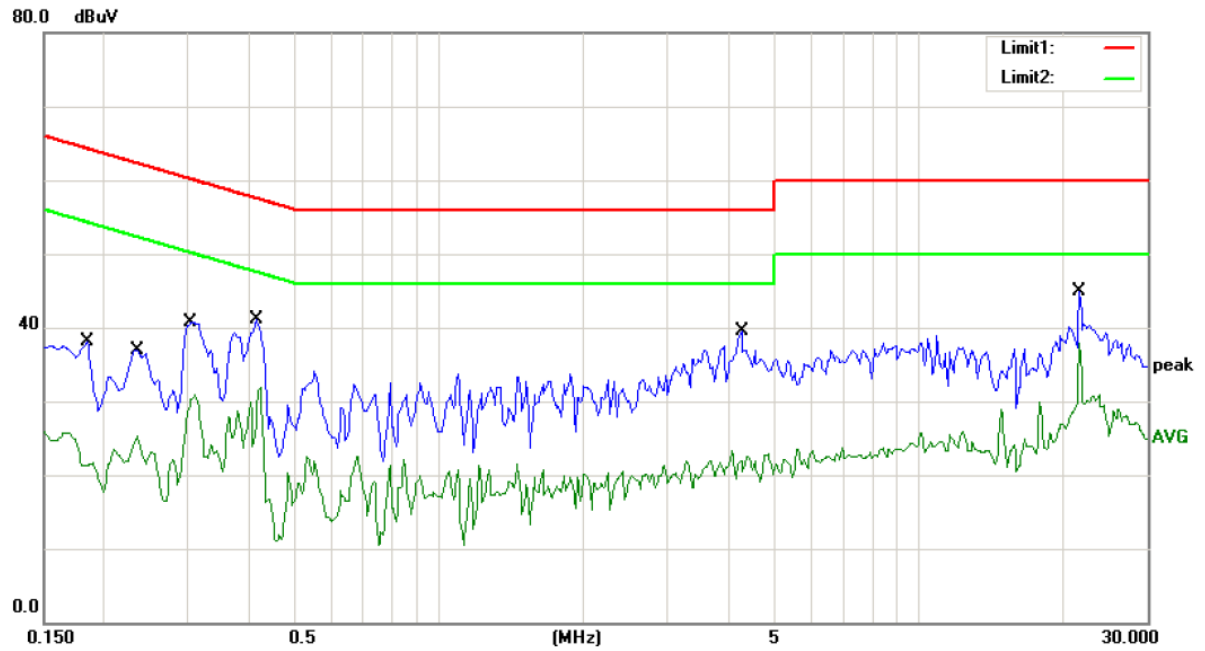
Humidity: 53 %

Mode: DVI IN

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1600	41.72	0.00	41.72	65.46	-23.74	QP	
2	0.1600	28.73	0.00	28.73	55.46	-26.73	AVG	
3	0.2450	39.62	0.00	39.62	61.92	-22.30	QP	
4	0.2450	27.76	0.00	27.76	51.92	-24.16	AVG	
5	0.3050	41.98	0.00	41.98	60.11	-18.13	QP	
6	0.3050	29.73	0.00	29.73	50.11	-20.38	AVG	
7	0.3800	39.63	0.00	39.63	58.28	-18.65	QP	
8	0.3800	28.99	0.00	28.99	48.28	-19.29	AVG	
9	0.4150	40.00	0.00	40.00	57.55	-17.55	QP	
10	0.4150	31.01	0.00	31.01	47.55	-16.54	AVG	
11	21.6250	42.26	0.00	42.26	60.00	-17.74	QP	
12 *	21.6250	37.24	0.00	37.24	50.00	-12.76	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

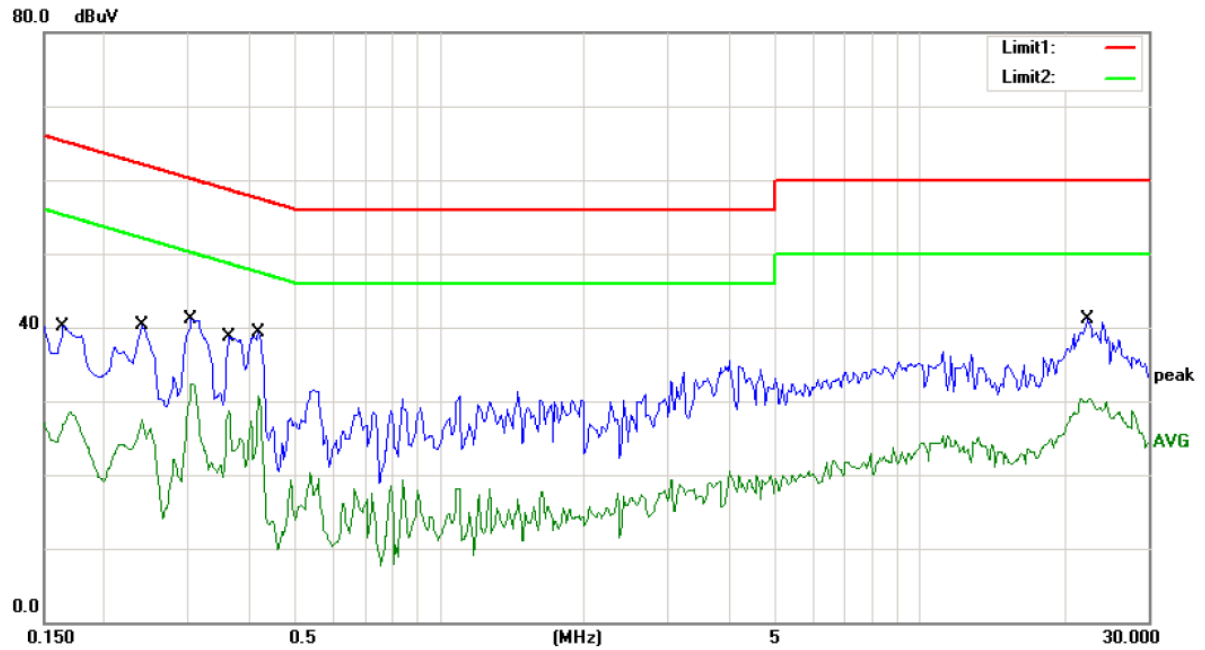
Humidity: 53 %

Mode: DVI IN

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1850	38.02	0.00	38.02	64.26	-26.24	QP	
2		0.1850	25.61	0.00	25.61	54.26	-28.65	AVG	
3		0.2350	36.90	0.00	36.90	62.27	-25.37	QP	
4		0.2350	25.22	0.00	25.22	52.27	-27.05	AVG	
5		0.3050	40.78	0.00	40.78	60.11	-19.33	QP	
6		0.3050	30.94	0.00	30.94	50.11	-19.17	AVG	
7		0.4150	41.12	0.00	41.12	57.55	-16.43	QP	
8		0.4150	31.92	0.00	31.92	47.55	-15.63	AVG	
9		4.2700	39.42	0.00	39.42	56.00	-16.58	QP	
10		4.2700	23.22	0.00	23.22	46.00	-22.78	AVG	
11		21.6250	44.91	0.00	44.91	60.00	-15.09	QP	
12	*	21.6250	37.95	0.00	37.95	50.00	-12.05	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

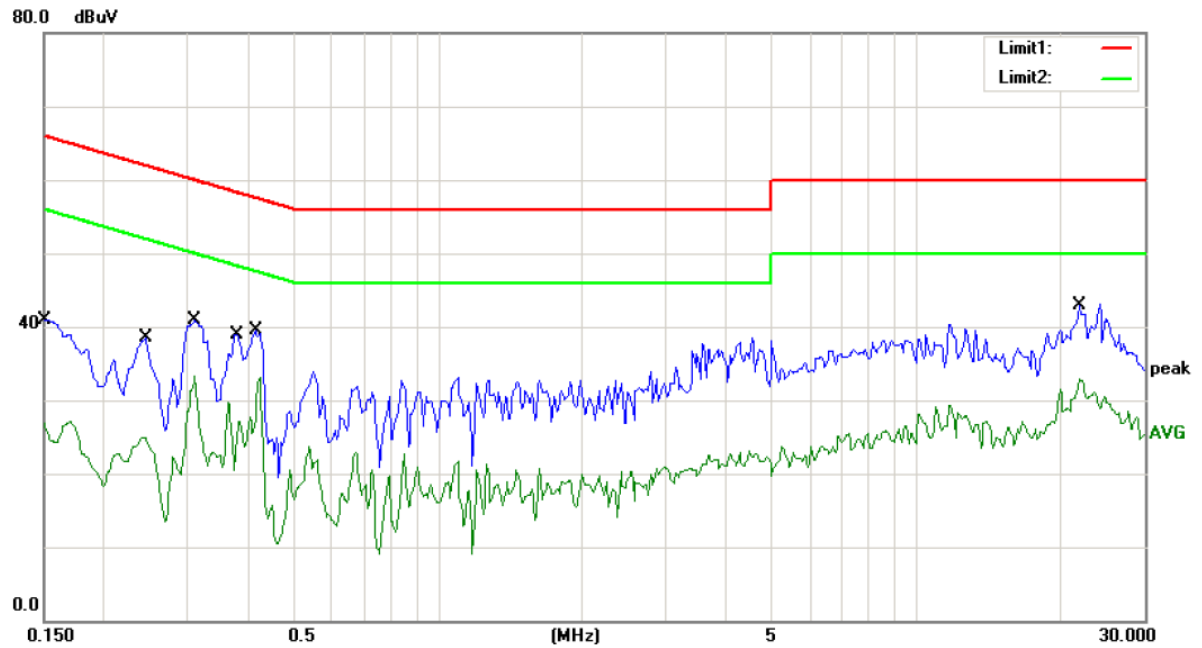
Humidity: 53 %

Mode: CVBS IN

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1650	40.16	0.00	40.16	65.21	-25.05	QP	
2		0.1650	28.49	0.00	28.49	55.21	-26.72	AVG	
3		0.2400	40.36	0.00	40.36	62.10	-21.74	QP	
4		0.2400	27.50	0.00	27.50	52.10	-24.60	AVG	
5		0.3050	41.04	0.00	41.04	60.11	-19.07	QP	
6		0.3050	32.31	0.00	32.31	50.11	-17.80	AVG	
7		0.3650	38.67	0.00	38.67	58.61	-19.94	QP	
8		0.3650	28.68	0.00	28.68	48.61	-19.93	AVG	
9		0.4200	39.36	0.00	39.36	57.45	-18.09	QP	
10	*	0.4200	30.73	0.00	30.73	47.45	-16.72	AVG	
11		22.4000	41.09	0.00	41.09	60.00	-18.91	QP	
12		22.4000	30.38	0.00	30.38	50.00	-19.62	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

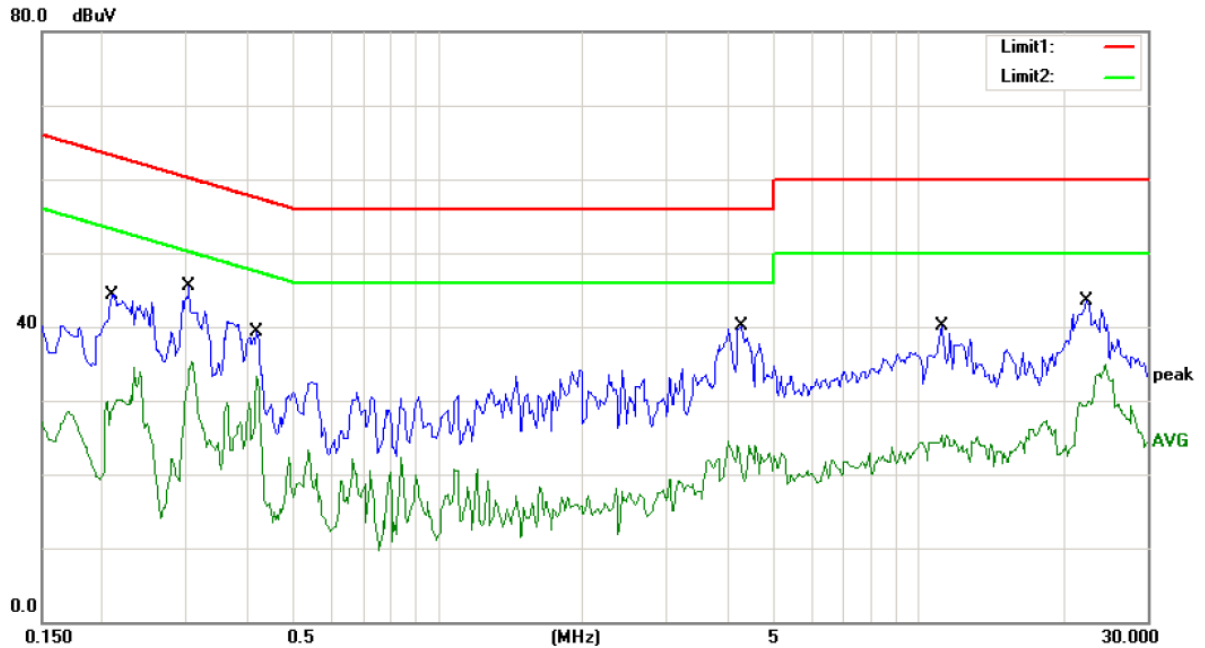
Humidity: 53 %

Mode: CVBS IN

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1500	40.90	0.00	40.90	66.00	-25.10	QP	
2		0.1500	26.94	0.00	26.94	56.00	-29.06	AVG	
3		0.2450	38.48	0.00	38.48	61.92	-23.44	QP	
4		0.2450	24.87	0.00	24.87	51.92	-27.05	AVG	
5		0.3100	40.82	0.00	40.82	59.97	-19.15	QP	
6		0.3100	31.91	0.00	31.91	49.97	-18.06	AVG	
7		0.3800	38.88	0.00	38.88	58.28	-19.40	QP	
8		0.3800	29.74	0.00	29.74	48.28	-18.54	AVG	
9		0.4150	39.44	0.00	39.44	57.55	-18.11	QP	
10	*	0.4150	33.16	0.00	33.16	47.55	-14.39	AVG	
11		21.9250	42.82	0.00	42.82	60.00	-17.18	QP	
12		21.9250	32.91	0.00	32.91	50.00	-17.09	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

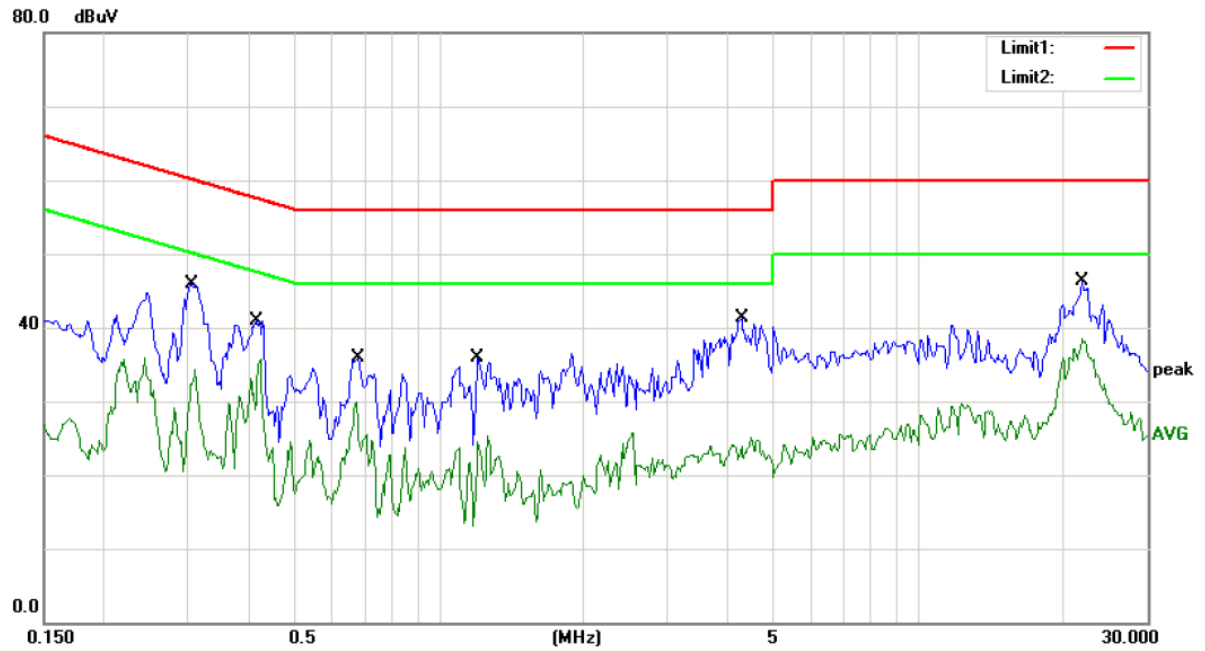
Humidity: 53 %

Mode: Y+Pb+Pr

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2100	44.34	0.00	44.34	63.21	-18.87	QP	
2		0.2100	34.44	0.00	34.44	53.21	-18.77	AVG	
3		0.3050	45.54	0.00	45.54	60.11	-14.57	QP	
4		0.3050	35.20	0.00	35.20	50.11	-14.91	AVG	
5		0.4200	39.36	0.00	39.36	57.45	-18.09	QP	
6	*	0.4200	33.23	0.00	33.23	47.45	-14.22	AVG	
7		4.2900	40.07	0.00	40.07	56.00	-15.93	QP	
8		4.2900	24.43	0.00	24.43	46.00	-21.57	AVG	
9		11.2000	40.19	0.00	40.19	60.00	-19.81	QP	
10		11.2000	25.37	0.00	25.37	50.00	-24.63	AVG	
11		22.4000	43.59	0.00	43.59	60.00	-16.41	QP	
12		22.4000	34.83	0.00	34.83	50.00	-15.17	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

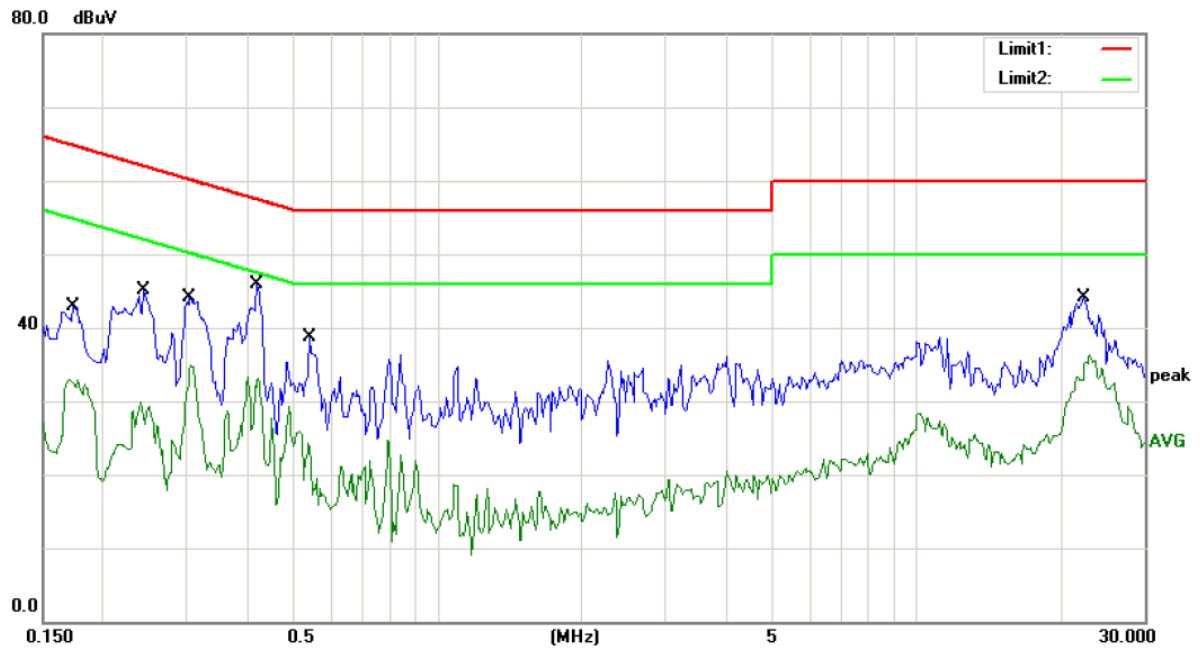
Humidity: 53 %

Mode: Y+Pb+Pr

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.3050	45.84	0.00	45.84	60.11	-14.27	QP	
2	0.3050	34.25	0.00	34.25	50.11	-15.86	AVG	
3	0.4150	40.94	0.00	40.94	57.55	-16.61	QP	
4	0.4150	35.66	0.00	35.66	47.55	-11.89	AVG	
5	0.6800	35.90	0.00	35.90	56.00	-20.10	QP	
6	0.6800	29.85	0.00	29.85	46.00	-16.15	AVG	
7	1.2050	35.86	0.00	35.86	56.00	-20.14	QP	
8	1.2050	25.26	0.00	25.26	46.00	-20.74	AVG	
9	4.2800	41.33	0.00	41.33	56.00	-14.67	QP	
10	4.2800	25.05	0.00	25.05	46.00	-20.95	AVG	
11	21.9250	46.32	0.00	46.32	60.00	-13.68	QP	
12 *	21.9250	38.41	0.00	38.41	50.00	-11.59	AVG	

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



Site Conduction #1

Phase: **L1**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

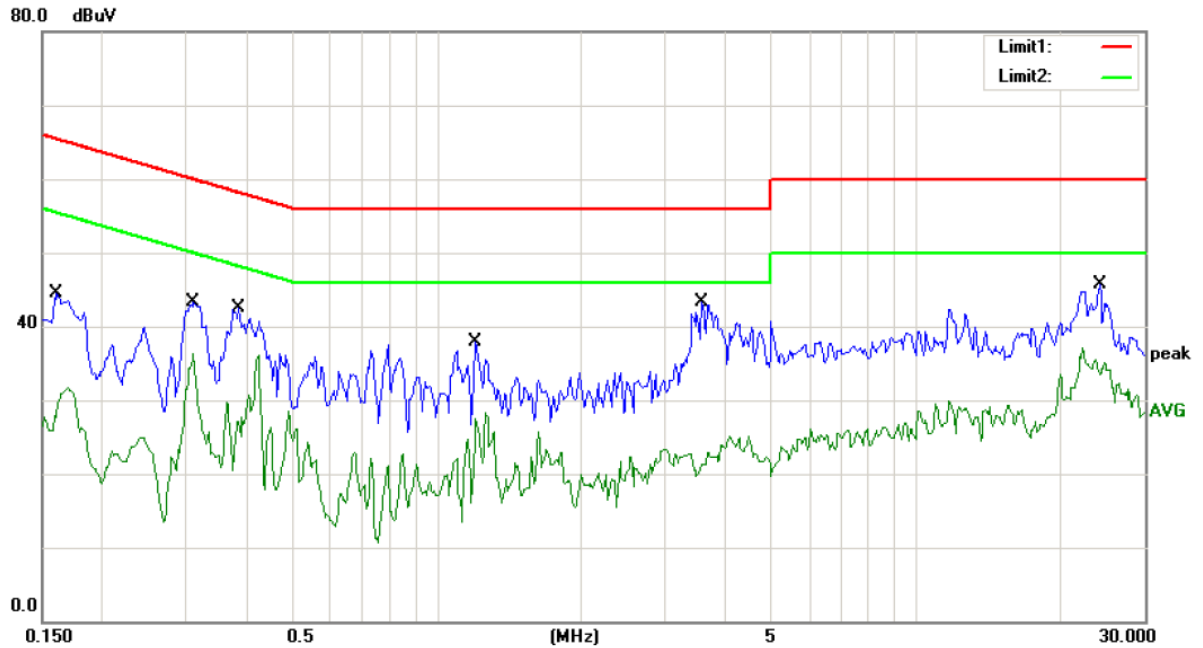
Humidity: 53 %

Mode: S-Video

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1730	42.87	0.00	42.87	64.82	-21.95	QP	
2	0.1730	32.99	0.00	32.99	54.82	-21.83	AVG	
3	0.2430	45.15	0.00	45.15	61.99	-16.84	QP	
4	0.2430	30.00	0.00	30.00	51.99	-21.99	AVG	
5	0.3050	44.04	0.00	44.04	60.11	-16.07	QP	
6	0.3050	34.80	0.00	34.80	50.11	-15.31	AVG	
7 *	0.4200	45.86	0.00	45.86	57.45	-11.59	QP	
8	0.4200	33.33	0.00	33.33	47.45	-14.12	AVG	
9	0.5406	38.74	0.00	38.74	56.00	-17.26	QP	
10	0.5406	29.26	0.00	29.26	46.00	-16.74	AVG	
11	22.4000	44.09	0.00	44.09	60.00	-15.91	QP	
12	22.4000	36.23	0.00	36.23	50.00	-13.77	AVG	

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



Site Conduction #1

Phase: **N**

Temperature: 24

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 53 %

Mode: S-Video

Note:

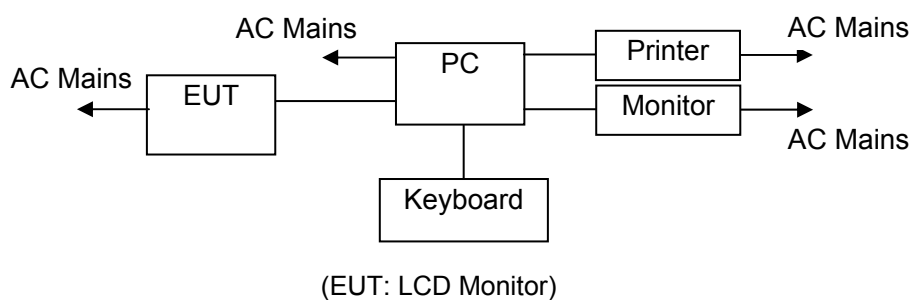
No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1607	44.52	0.00	44.52	65.43	-20.91	QP	
2	0.1607	31.61	0.00	31.61	55.43	-23.82	AVG	
3	0.3100	43.32	0.00	43.32	59.97	-16.65	QP	
4	0.3100	36.25	0.00	36.25	49.97	-13.72	AVG	
5	0.3851	42.46	0.00	42.46	58.17	-15.71	QP	
6 *	0.3851	36.16	0.00	36.16	48.17	-12.01	AVG	
7	1.2000	37.86	0.00	37.86	56.00	-18.14	QP	
8	1.2000	28.26	0.00	28.26	46.00	-17.74	AVG	
9	3.5800	43.22	0.00	43.22	56.00	-12.78	QP	
10	3.5800	25.13	0.00	25.13	46.00	-20.87	AVG	
11	24.2000	45.67	0.00	45.67	60.00	-14.33	QP	
12	24.2000	37.12	0.00	37.12	50.00	-12.88	AVG	

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

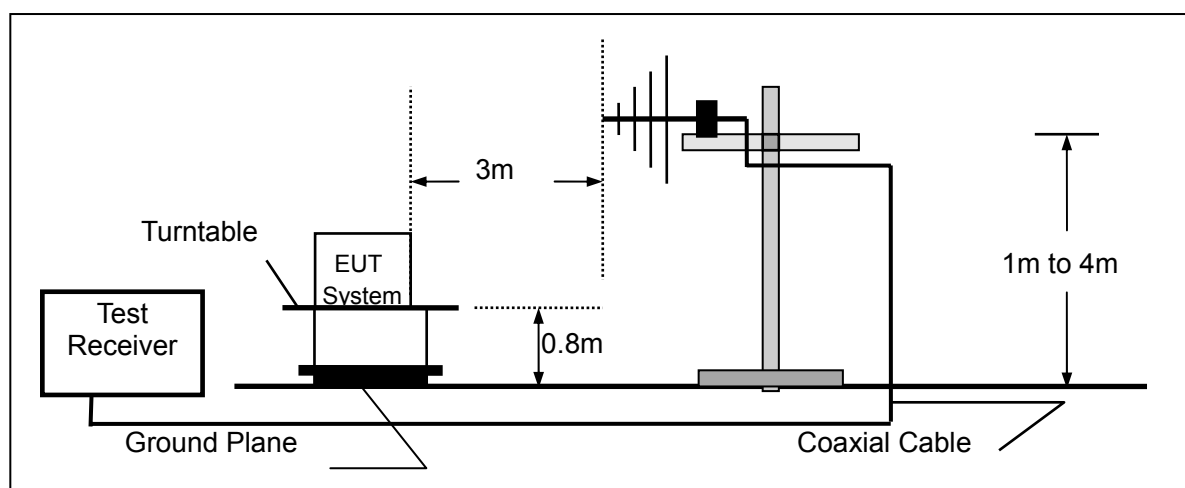
5. RADIATED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup

5.1.1. Block diagram of EUT System



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	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
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 (dB) μ V = 20 log Emission level μ 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. 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 : S262P

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 1920*1080, VGA mode 800*600, DVI mode 1920*1080, DVI mode 800*600, CVBS in, Y+Pb+Pr, S-Video) 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.

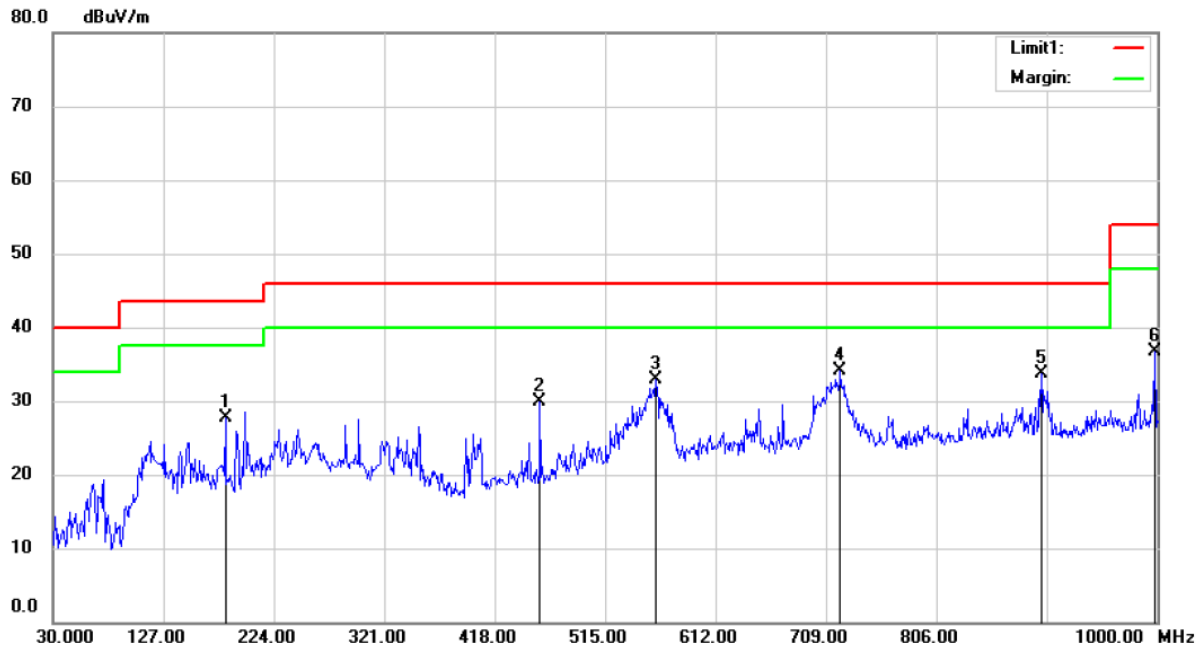
The bandwidth of the Receiver (ESU26) is set at 120kHz.
The worst scanning curves are attached in following pages.

5.7. Measuring Results

PASS.

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

Please refer to following pages.

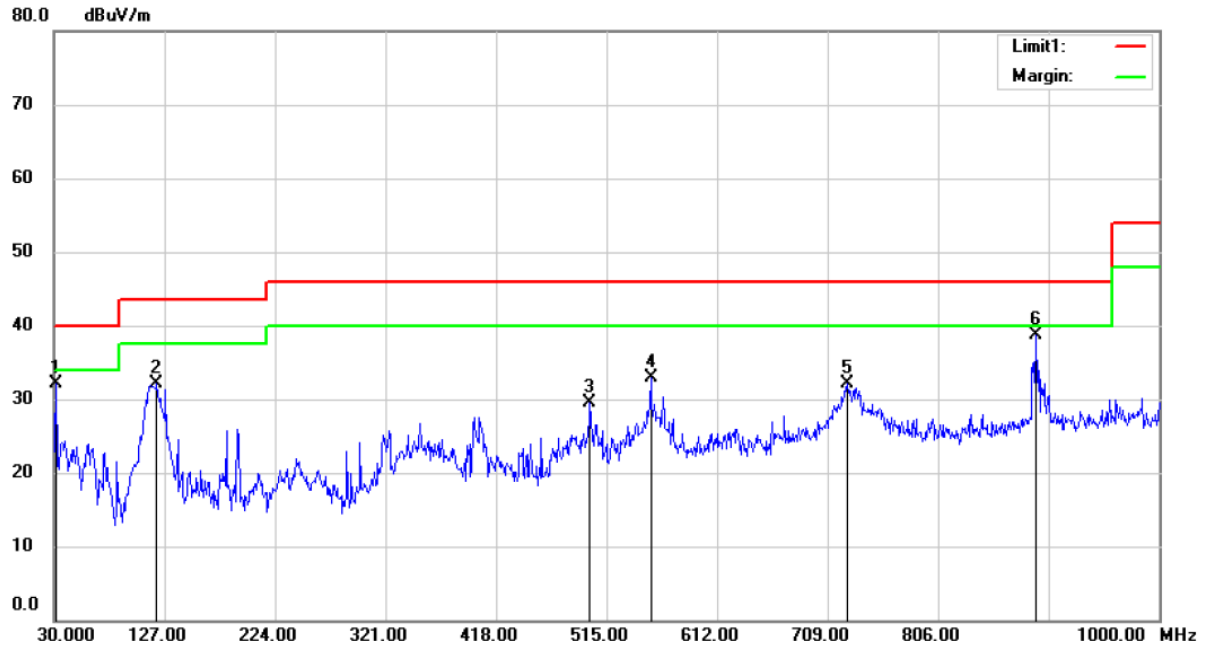


Site site #1 Polarization: **Horizontal** Temperature: 24 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
Mode:VGA IN(1920*1080)
Note:

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		181.3200	50.78	-23.14	27.64	43.50	-15.86	QP		
2		457.7700	44.25	-14.27	29.98	46.00	-16.02	QP		
3		559.6200	44.16	-11.18	32.98	46.00	-13.02	QP		
4	*	721.6100	42.78	-8.74	34.04	46.00	-11.96	QP		
5		898.1500	39.25	-5.54	33.71	46.00	-12.29	QP		
6		998.0600	41.11	-4.35	36.76	54.00	-17.24	QP		

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

Operator: Wang

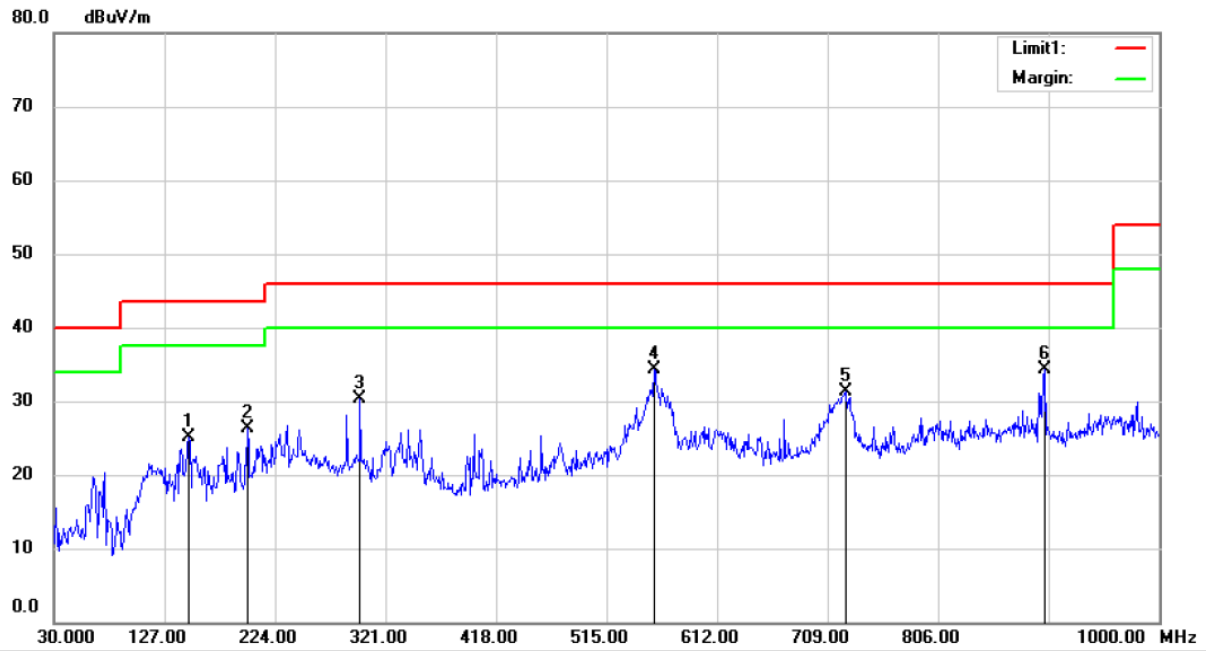


Site site #1 Polarization: **Vertical** Temperature: 24 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
Mode:VGA IN(1920*1080)
Note:

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		31.9400	54.39	-22.33	32.06	40.00	-7.94	QP		
2		120.2100	55.46	-23.31	32.15	43.50	-11.35	QP		
3		500.4500	42.35	-12.77	29.58	46.00	-16.42	QP		
4		553.8000	44.15	-11.33	32.82	46.00	-13.18	QP		
5		726.4600	40.67	-8.66	32.01	46.00	-13.99	QP		
6	*	892.3300	44.46	-5.66	38.80	46.00	-7.20	QP		

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

Operator: Wang

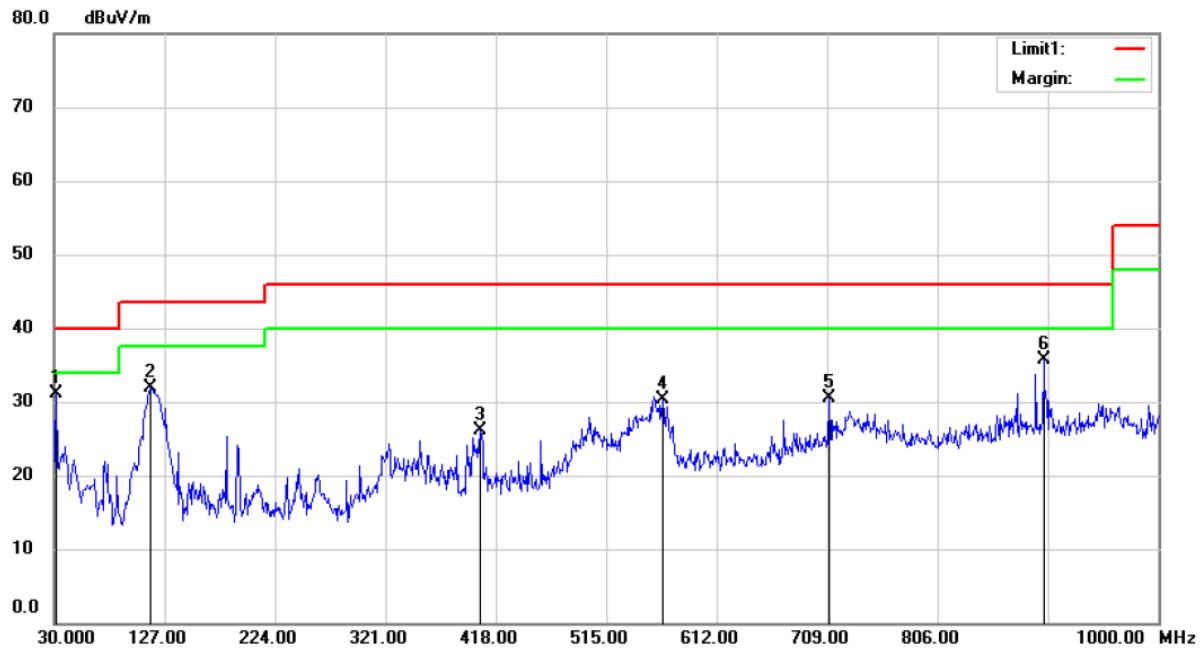


Site site #1 Polarization: **Horizontal** Temperature: 24 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
Mode:VGA IN(800*600)
Note:

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		148.3400	50.24	-25.22	25.02	43.50	-18.48	QP		
2		199.7500	48.42	-22.15	26.27	43.50	-17.23	QP		
3		298.6900	48.76	-18.46	30.30	46.00	-15.70	QP		
4	*	556.7100	45.57	-11.26	34.31	46.00	-11.69	QP		
5		724.5200	39.90	-8.69	31.21	46.00	-14.79	QP		
6		900.0900	39.82	-5.51	34.31	46.00	-11.69	QP		

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

Operator: Wang

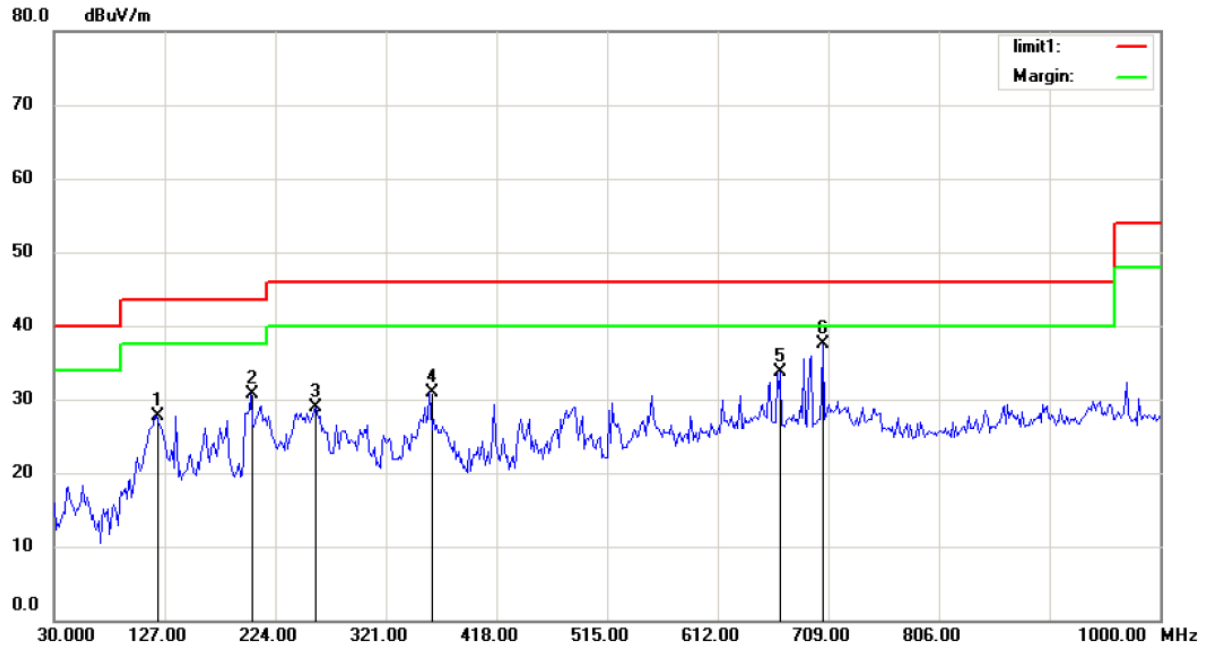


Site site #1 Polarization: **Vertical** Temperature: 24 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
Mode:VGA IN(800*600)
Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	31.9400	53.47	-22.33	31.14	40.00	-8.86	QP		
2		114.3900	54.26	-22.30	31.96	43.50	-11.54	QP		
3		404.4200	41.42	-15.30	26.12	46.00	-19.88	QP		
4		564.4700	41.37	-11.04	30.33	46.00	-15.67	QP		
5		710.9400	39.49	-8.94	30.55	46.00	-15.45	QP		
6		899.1200	41.34	-5.54	35.80	46.00	-10.20	QP		

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

Operator: Wang



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 24

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

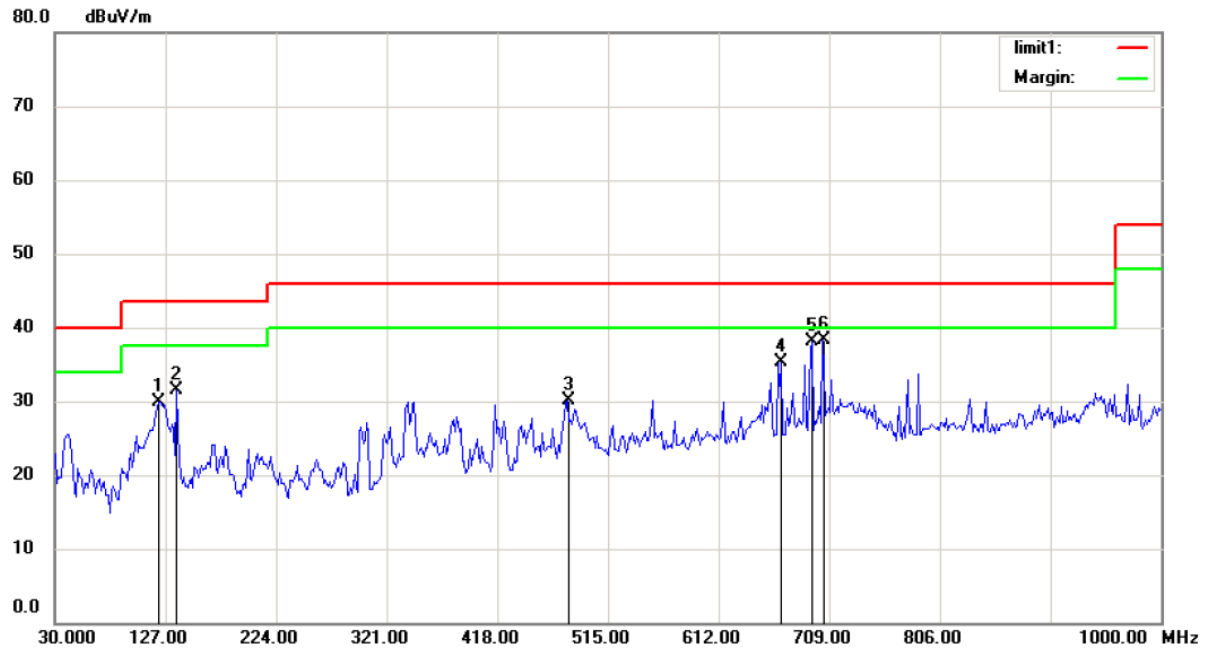
Mode:DVI(1920*1080)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		120.1603	15.04	12.75	27.79	43.50	-15.71	QP		
2		202.5481	17.35	13.28	30.63	43.50	-12.87	QP		
3		260.0641	13.80	15.15	28.95	46.00	-17.05	QP		
4		359.5513	12.84	18.00	30.84	46.00	-15.16	QP		
5		667.3397	9.27	24.47	33.74	46.00	-12.26	QP		
6	*	704.6473	13.37	24.23	37.60	46.00	-8.40	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 %

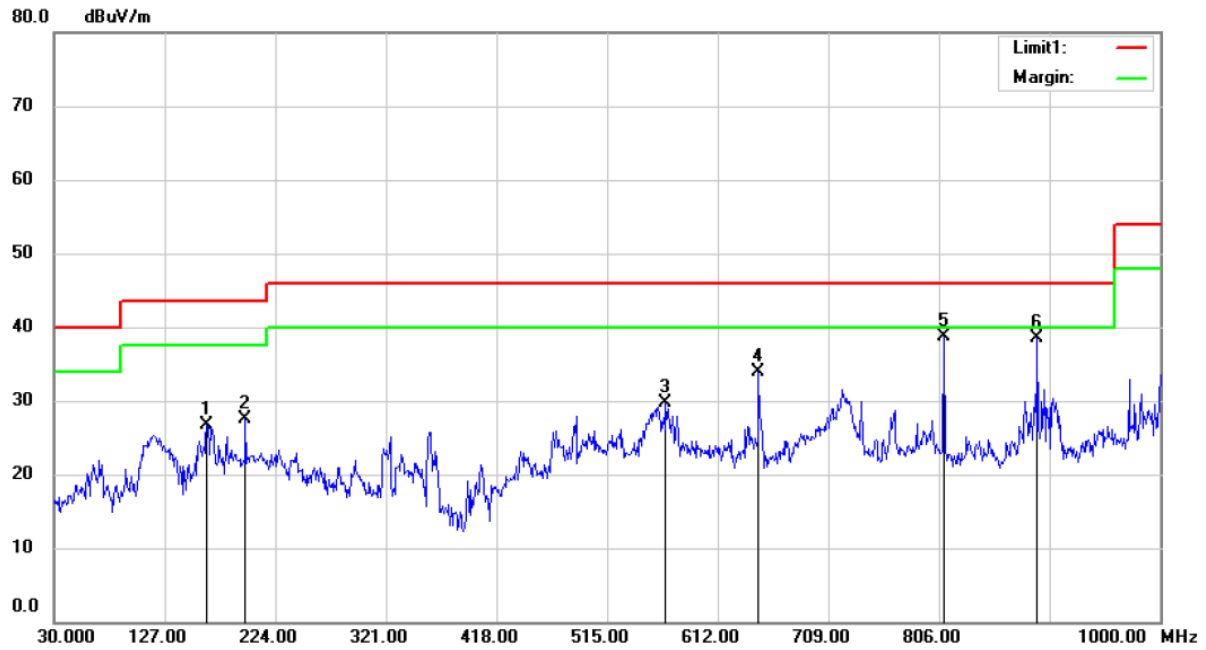
Mode:DVI(1920*1080)

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		121.7147	17.32	12.54	29.86	43.50	-13.64	QP		
2		137.2596	20.81	10.78	31.59	43.50	-11.91	QP		
3		479.2468	10.05	20.12	30.17	46.00	-15.83	QP		
4		667.3397	10.76	24.46	35.22	46.00	-10.78	QP		
5		693.7660	13.72	24.44	38.16	46.00	-7.84	QP		
6	*	703.0930	14.02	24.37	38.39	46.00	-7.61	QP		

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

Operator: KK

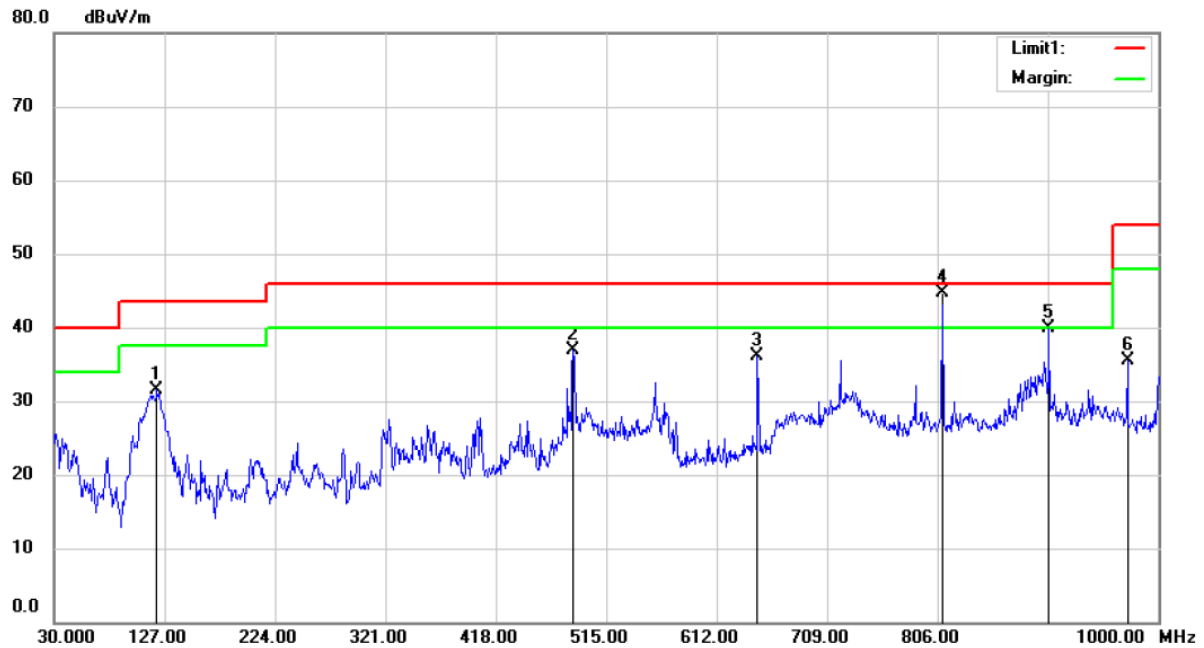


Site site #1 Polarization: **Horizontal** Temperature: 24 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
Mode:DVI IN(800*600)
Note:

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		163.8600	51.13	-24.41	26.72	43.50	-16.78	QP		
2		197.8100	49.71	-22.18	27.53	43.50	-15.97	QP		
3		566.4100	40.78	-10.99	29.79	46.00	-16.21	QP		
4		647.8900	43.62	-9.63	33.99	46.00	-12.01	QP		
5	*	809.8800	45.86	-7.16	38.70	46.00	-7.30	QP		
6		892.3300	44.20	-5.65	38.55	46.00	-7.45	QP		

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

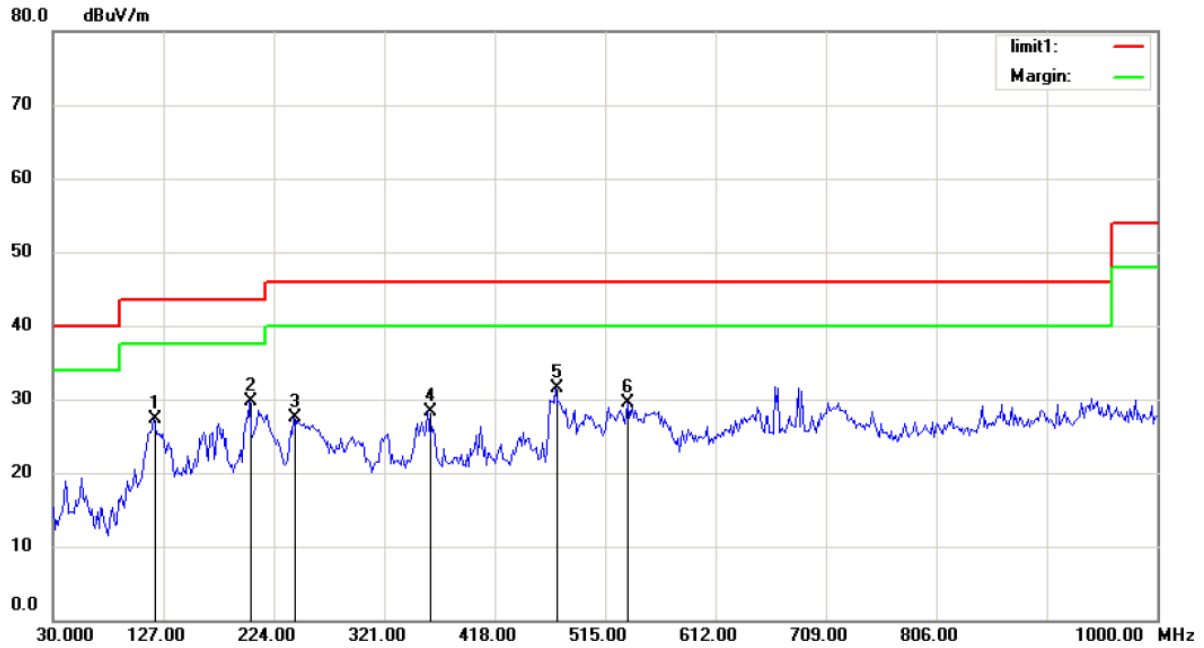
Operator: Wang



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		120.2100	54.73	-23.31	31.42	43.50	-12.08	QP		
2		485.9000	50.14	-13.29	36.85	46.00	-9.15	QP		
3		647.8900	45.64	-9.63	36.01	46.00	-9.99	QP		
4	*	809.8800	51.97	-7.17	42.80	46.00	-3.2	QP		
5		903.9700	45.34	-5.47	39.87	46.00	-6.13	QP		
6		972.8400	40.22	-4.66	35.56	54.00	-18.44	QP		

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

Operator: Wang



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 24

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

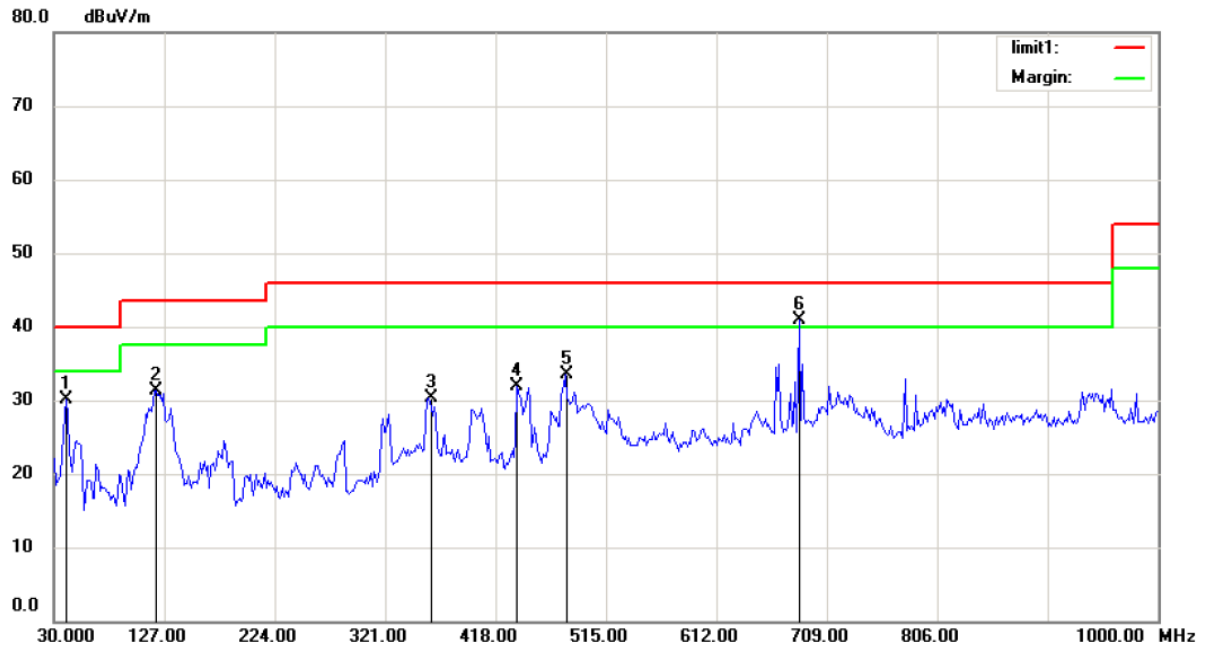
Mode:CVBS

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		118.6058	14.36	12.86	27.22	43.50	-16.28	QP		
2	*	202.5481	16.39	13.28	29.67	43.50	-13.83	QP		
3		241.4103	12.43	14.99	27.42	46.00	-18.58	QP		
4		359.5513	10.34	18.00	28.34	46.00	-17.66	QP		
5		471.4744	11.51	19.92	31.43	46.00	-14.57	QP		
6		535.2083	8.23	21.36	29.59	46.00	-16.41	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 %

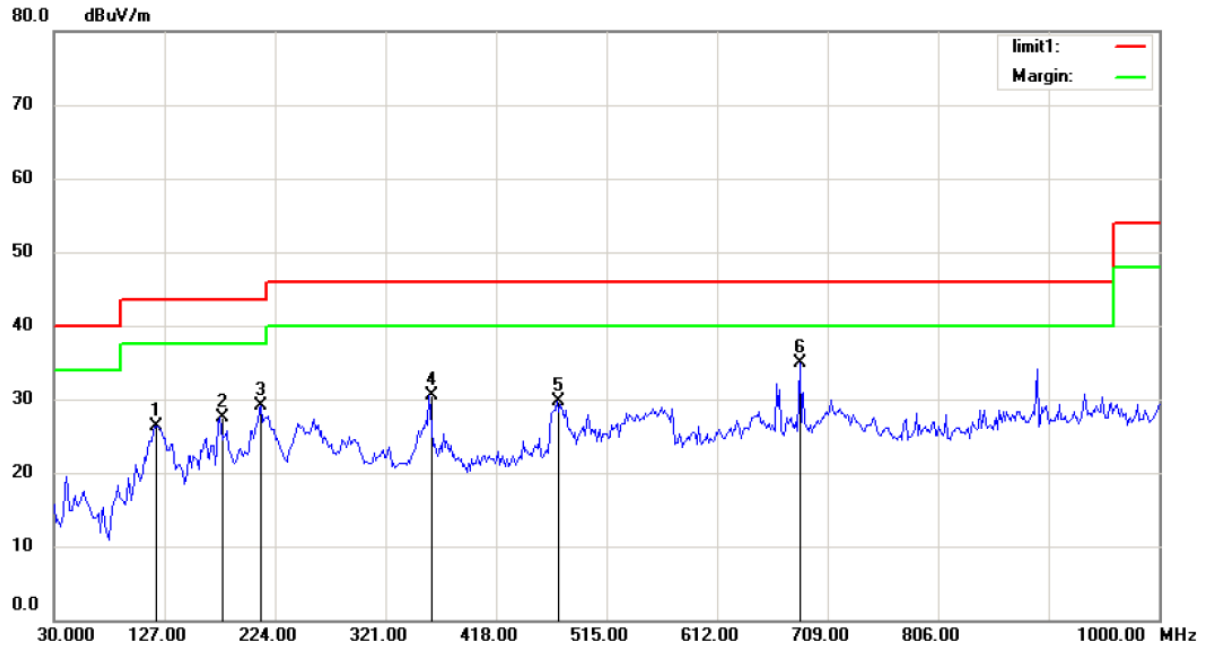
Mode:CVBS

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		40.8814	15.98	14.06	30.04	40.00	-9.96	QP		
2		118.6058	18.39	12.88	31.27	43.50	-12.23	QP		
3		359.5513	12.25	18.00	30.25	46.00	-15.75	QP		
4		437.2756	12.51	19.35	31.86	46.00	-14.14	QP		
5		479.2468	13.29	20.12	33.41	46.00	-12.59	QP		
6	*	684.4391	16.08	24.76	40.84	46.00	-5.16	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 %

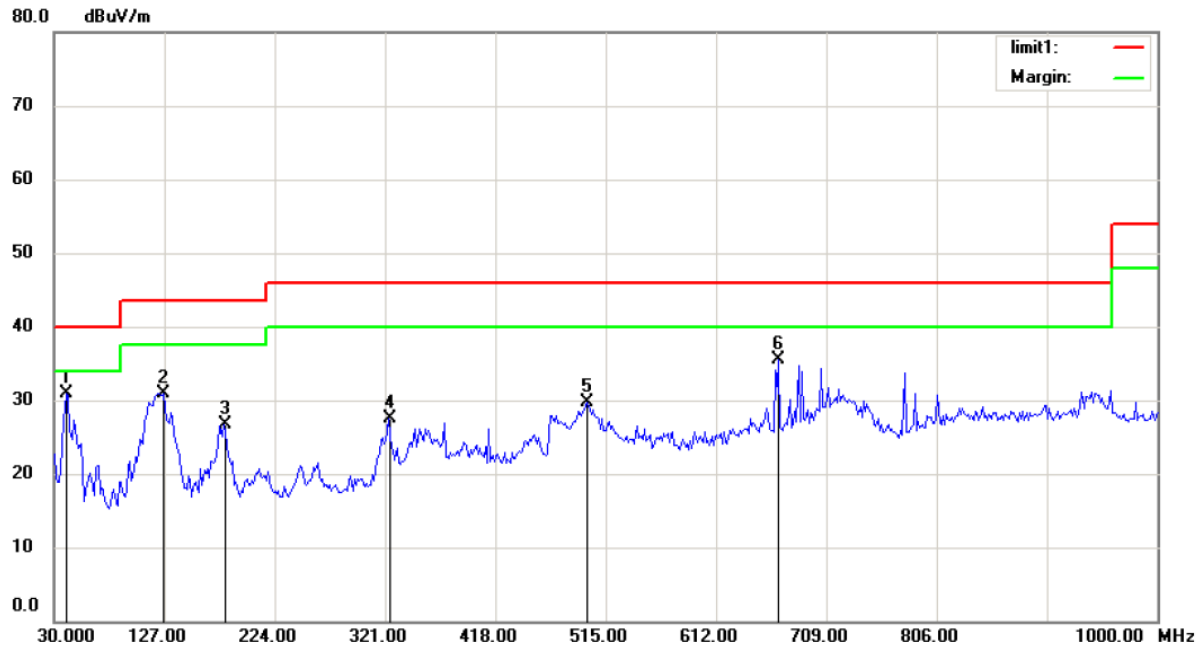
Mode:Y+Pb+Pr

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		118.6058	13.53	12.86	26.39	43.50	-17.11	QP		
2		176.1218	15.51	12.00	27.51	43.50	-15.99	QP		
3		211.8750	15.76	13.33	29.09	43.50	-14.41	QP		
4		359.5513	12.55	18.00	30.55	46.00	-15.45	QP		
5		471.4744	9.86	19.92	29.78	46.00	-16.22	QP		
6	*	684.4391	10.05	24.79	34.84	46.00	-11.16	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 %

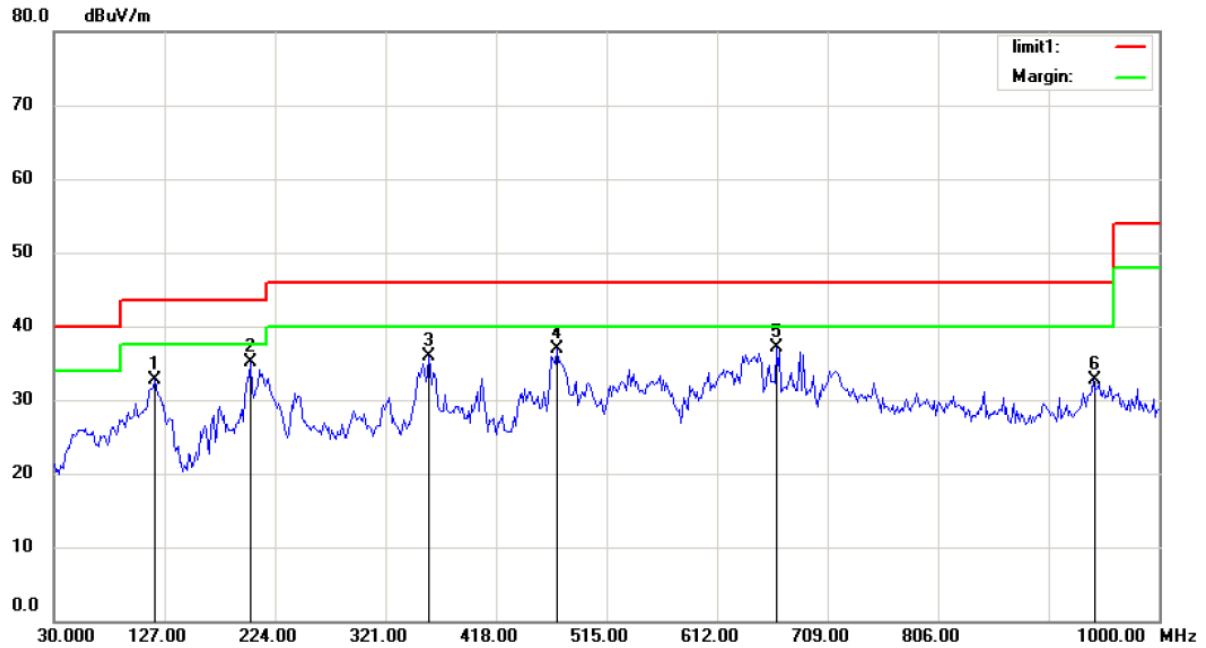
Mode:Y+Pb+Pr

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	16.77	14.06	30.83	40.00	-9.17	QP		
2		126.3782	19.14	11.83	30.97	43.50	-12.53	QP		
3		179.2308	14.52	12.24	26.76	43.50	-16.74	QP		
4		323.7981	10.58	16.85	27.43	46.00	-18.57	QP		
5		499.4551	8.99	20.72	29.71	46.00	-16.29	QP		
6		667.3397	10.99	24.46	35.45	46.00	-10.55	QP		

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

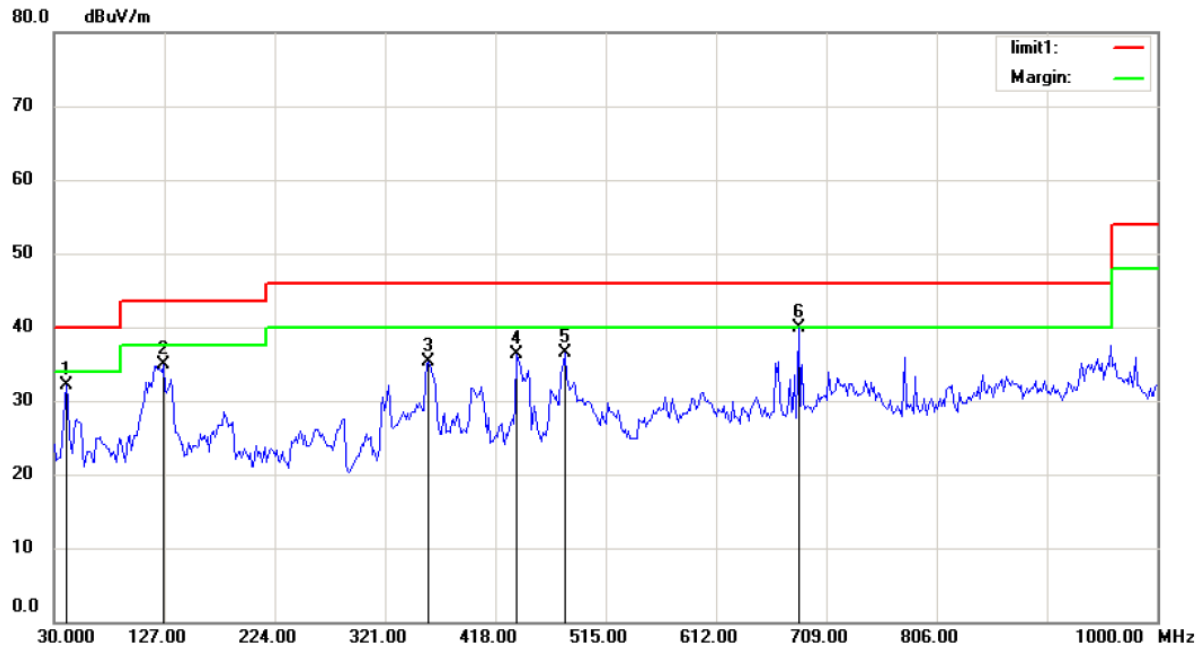
Operator: KK



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		118.6057	19.86	12.86	32.72	43.50	-10.78	QP		
2	*	202.5480	21.89	13.28	35.17	43.50	-8.33	QP		
3		359.5512	17.84	18.00	35.84	46.00	-10.16	QP		
4		471.4743	17.01	19.92	36.93	46.00	-9.07	QP		
5		664.2307	12.74	24.37	37.11	46.00	-8.89	QP		
6		942.4840	5.91	26.70	32.61	46.00	-13.39	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 %

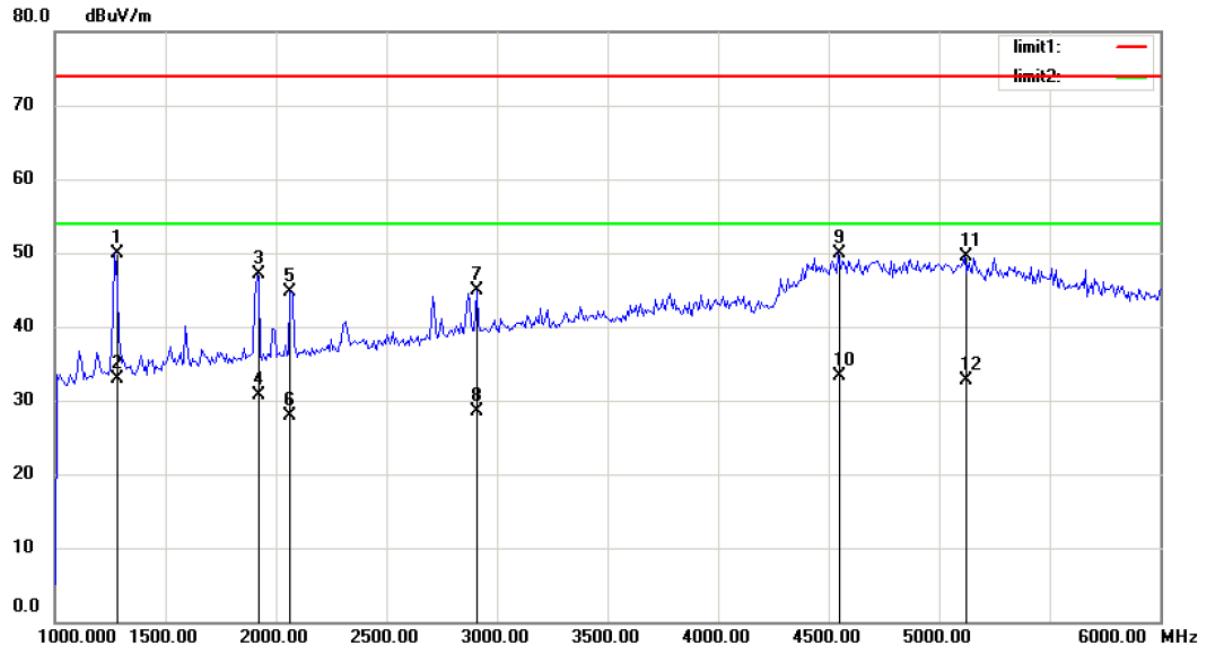
Mode:S-Video

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		40.8814	17.98	14.06	32.04	40.00	-7.96	QP		
2		126.3782	22.99	11.83	34.82	43.50	-8.68	QP		
3		359.5512	17.25	18.00	35.25	46.00	-10.75	QP		
4		437.2756	17.01	19.35	36.36	46.00	-9.64	QP		
5		479.2467	16.29	20.12	36.41	46.00	-9.59	QP		
6	*	684.4391	15.08	24.76	39.84	46.00	-6.16	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 %

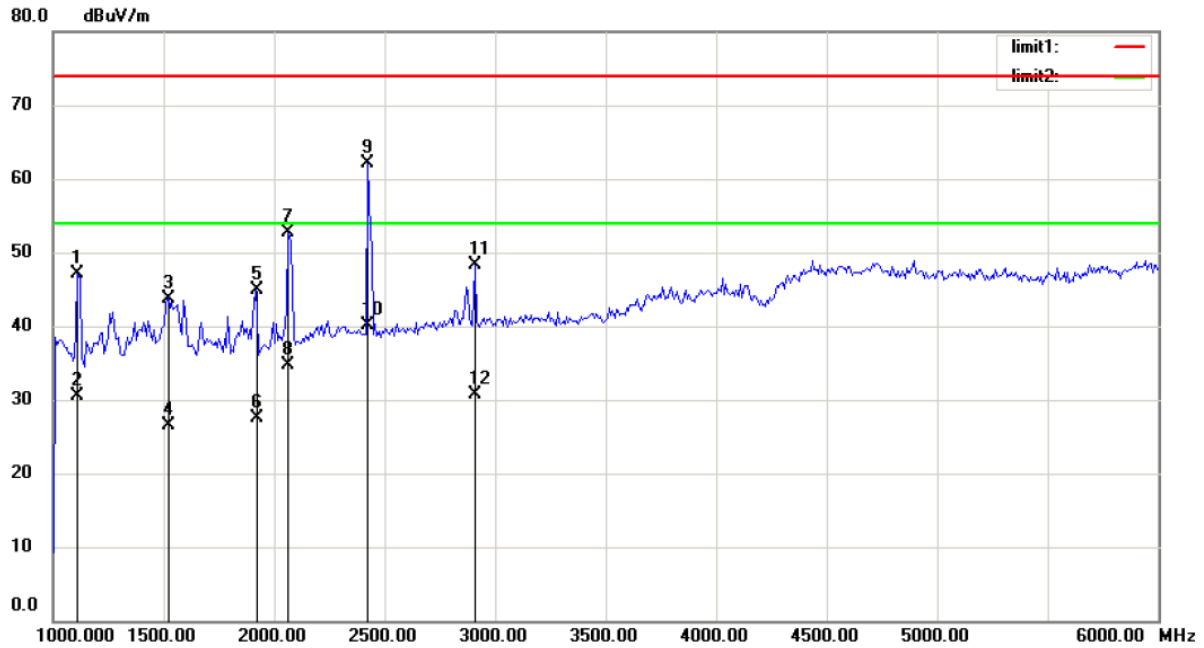
Mode:VGA(1920*1080)

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		1272.436	62.97	-12.97	50.00	74.00	-24.00	peak		
2		1272.436	45.90	-12.97	32.93	54.00	-21.07	AVG		
3		1913.462	58.13	-10.94	47.19	74.00	-26.81	peak		
4		1913.462	41.60	-10.94	30.66	54.00	-23.34	AVG		
5		2065.705	55.07	-10.42	44.65	74.00	-29.35	peak		
6		2065.705	38.40	-10.42	27.98	54.00	-26.02	AVG		
7		2907.051	51.91	-7.00	44.91	74.00	-29.09	peak		
8		2907.051	35.60	-7.00	28.60	54.00	-25.40	AVG		
9		4541.667	52.28	-2.39	49.89	74.00	-24.11	peak		
10	*	4541.667	35.60	-2.39	33.21	54.00	-20.79	AVG		
11		5118.590	49.98	-0.53	49.45	74.00	-24.55	peak		
12		5118.590	33.20	-0.53	32.67	54.00	-21.33	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 %

Mode:VGA(1920*1080)

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		1112.179	59.73	-12.65	47.08	74.00	-26.92	peak		
2		1112.179	43.20	-12.65	30.55	54.00	-23.45	AVG		
3		1520.833	55.59	-11.79	43.80	74.00	-30.20	peak		
4		1520.833	38.30	-11.79	26.51	54.00	-27.49	AVG		
5		1913.462	55.88	-11.01	44.87	74.00	-29.13	peak		
6		1913.462	38.60	-11.01	27.59	54.00	-26.41	AVG		
7		2065.705	62.67	-9.97	52.70	74.00	-21.30	peak		
8		2065.705	44.60	-9.97	34.63	54.00	-19.37	AVG		
9	*	2426.282	70.65	-8.59	62.06	74.00	-11.94	peak		
10		2426.282	48.60	-8.59	40.01	54.00	-13.99	AVG		
11		2907.051	55.40	-7.14	48.26	74.00	-25.74	peak		
12		2907.051	37.90	-7.14	30.76	54.00	-23.24	AVG		

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

Operator: KK

6. PHOTOGRAPHS

6.1.Photos of Conducted Emission Measurement



6.2. Photos of Radiation Emission Measurement

