# 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 |
| Prepared by | : | SHENZHEN EMTEK CO., LTD. |
| Address | : | Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China<br><br>Tel: (0755) 26954280<br>Fax: (0755) 26954282 |

| | | |
|---|---|---|
| Report Number | : | ES140530295E |
| Date of Test | : | June 3, 2014 to June 17, 2014 |
| Date of Report | : | June 17, 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. | : | 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<br>ANSI C63.4: 2009 | Pass |
| Radiated Disturbance | FCC Part 15, Subpart B, Class B<br>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<br>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<br>Input: AC 100-240V,50-60Hz, 2.0A<br>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<br>M/N: 9702<br>S/N: L3C4410<br>CE, FCC: DOC |
| Keyboard | : | Manufacturer: LENOVO<br>M/N: KU-0225<br>S/N:0585494<br>CE, FCC: DOC |
| Mouse | : | Manufacturer: LENOVO<br>M/N: MO28UOL<br>S/N:44G7862 068<br>CE, FCC: DOC |
| Printer | : | Manufacturer: HP<br>M/N: C89520<br>S/N: CN25S182N6<br>CE, FCC: DOC |

## 2.4. Measurement Uncertainty

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

# 3. MEASURING DEVICE AND TEST EQUIPMENT

## 3.1. For Power Line Conducted Emission Measurement

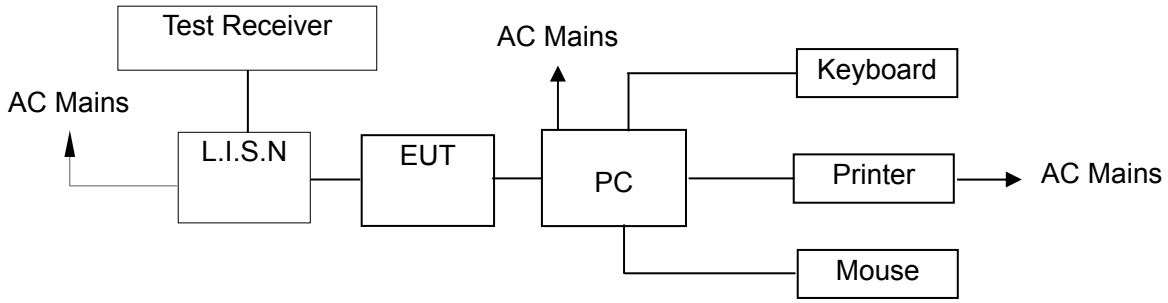
| Used | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| ☑ | Test Receiver | Rohde & Schwarz | ESCS30 | 828985/018 | May 17, 2014 | 1 Year |
| ☑ | L.I.S.N. | Schwarzbeck | NNLK8129 | 8129-203 | May 17, 2014 | 1 Year |
| ☐ | L.I.S.N. | ROHDE & 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




(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.<br>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.

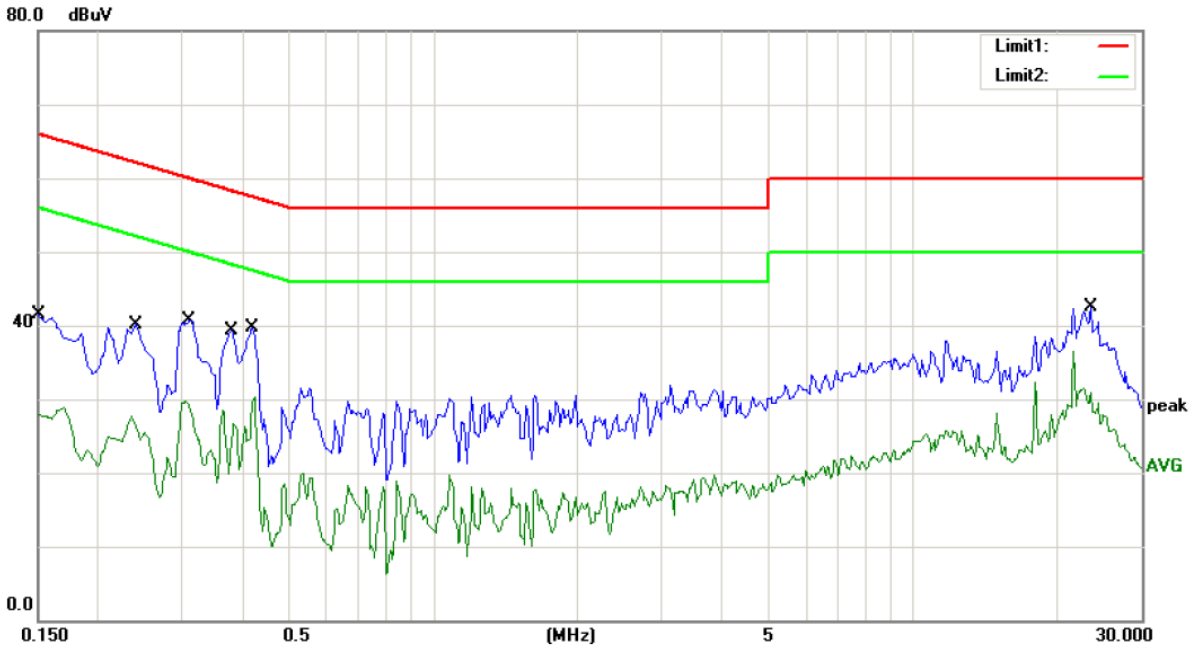
## 4.6. Test Procedure

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.**

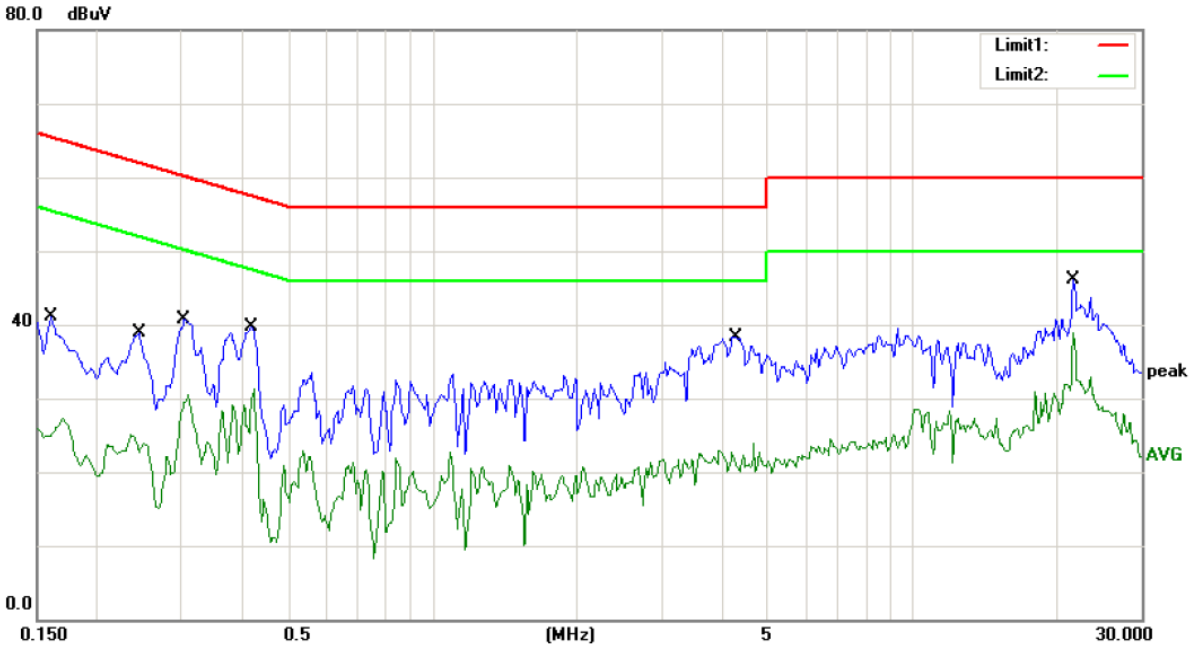
Please refer to following pages.




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 | |

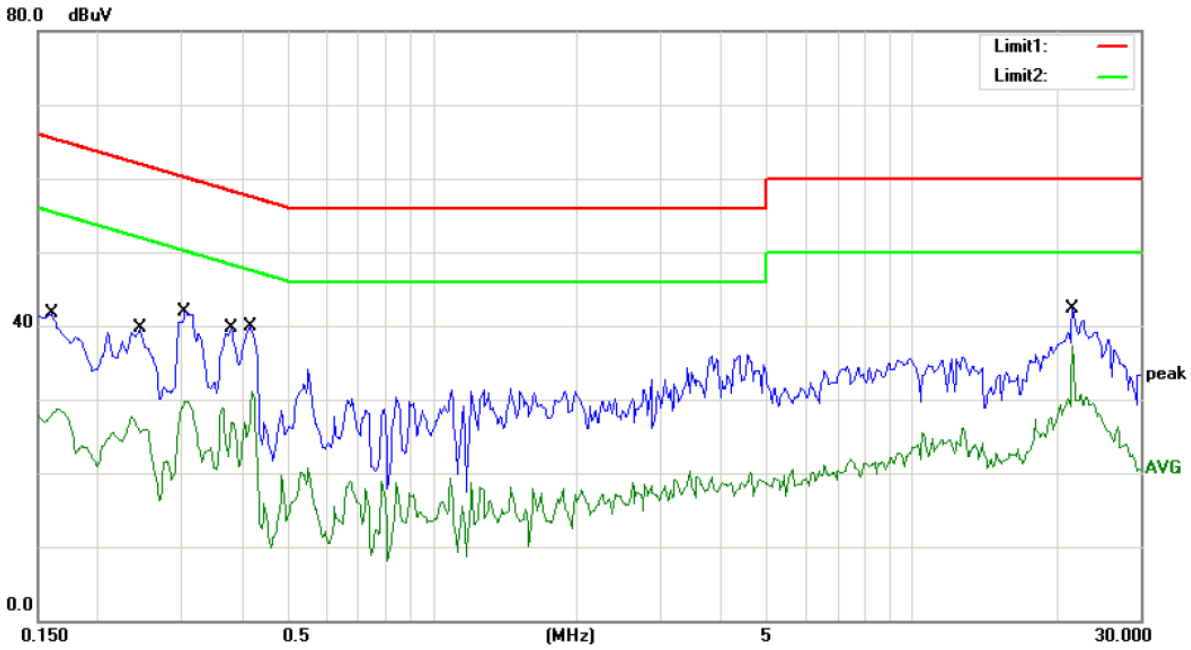
*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL




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

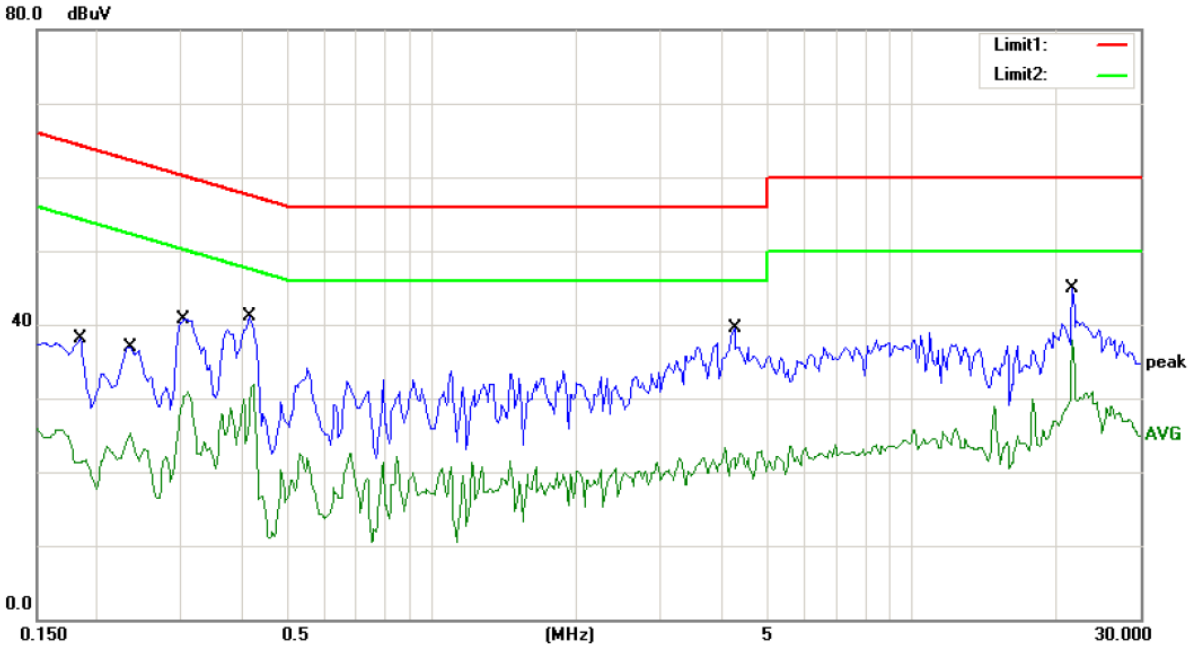
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

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 | |

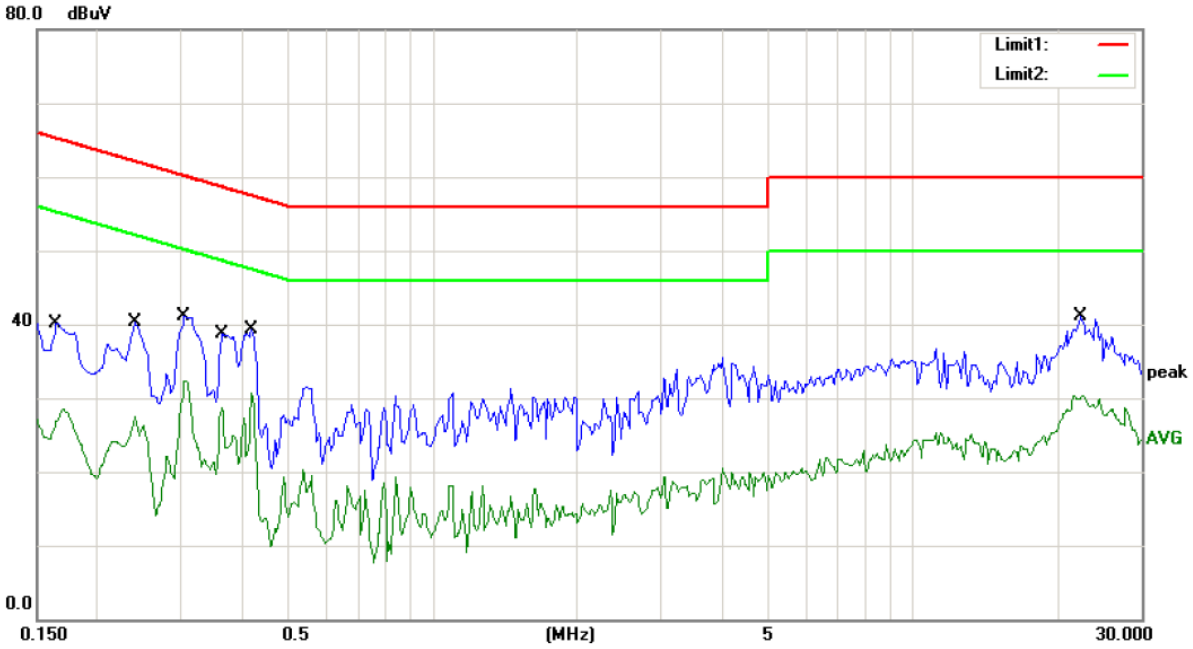
*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL




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 | |

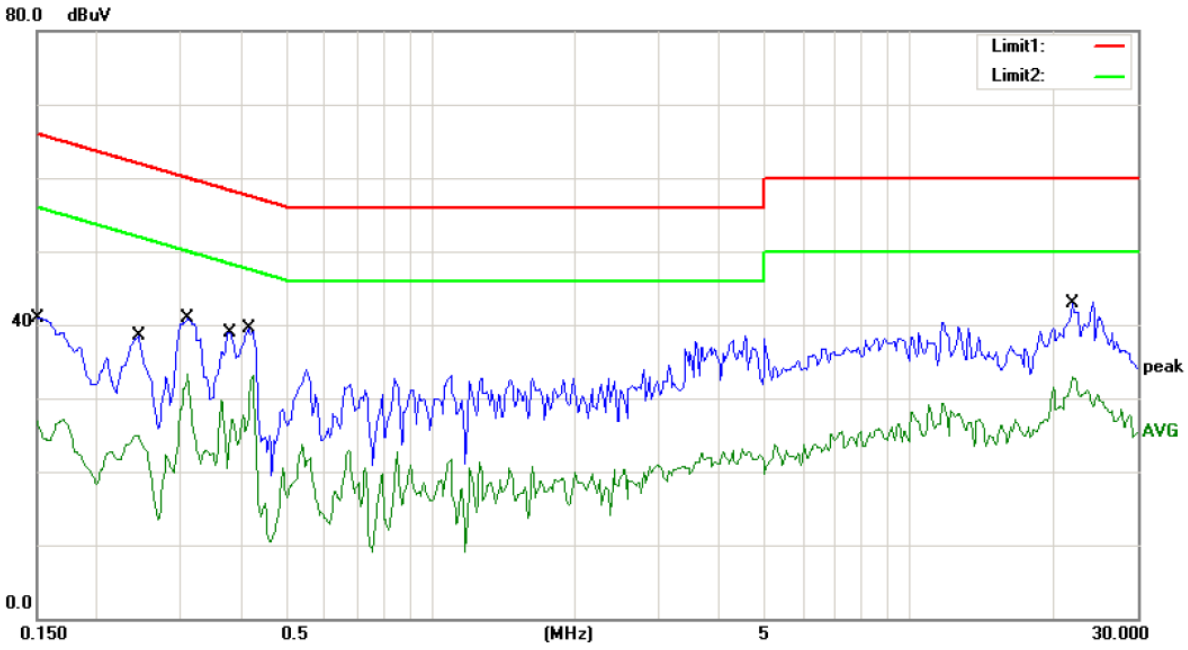
*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL




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 | |

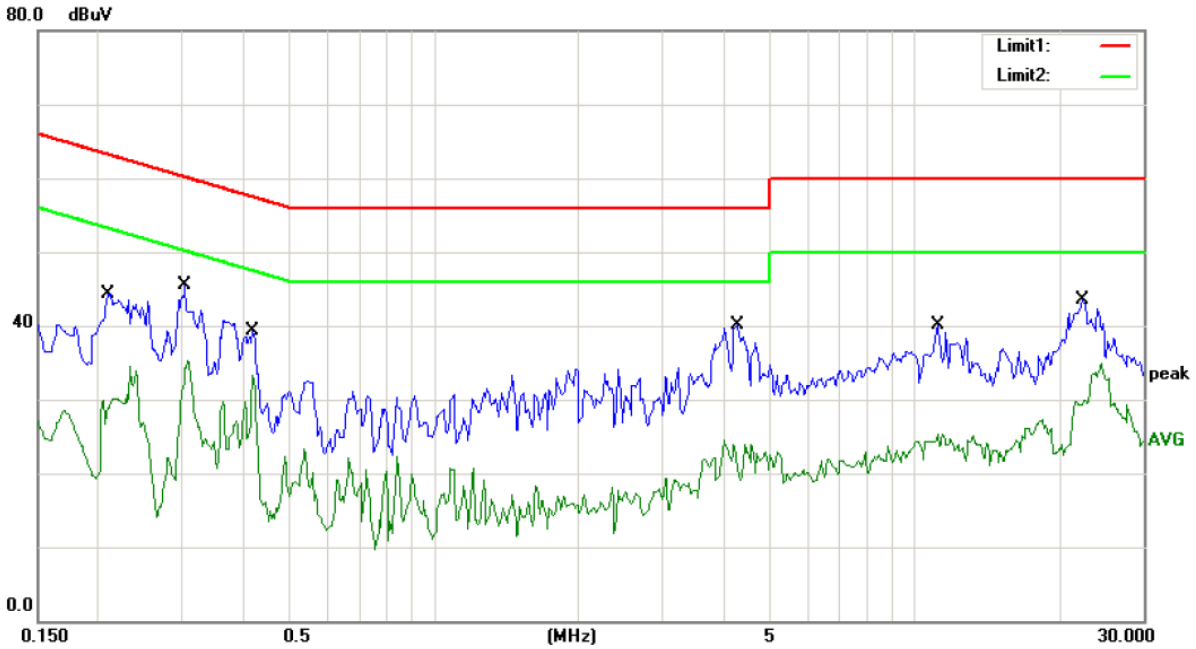
*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: ZHL




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 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 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

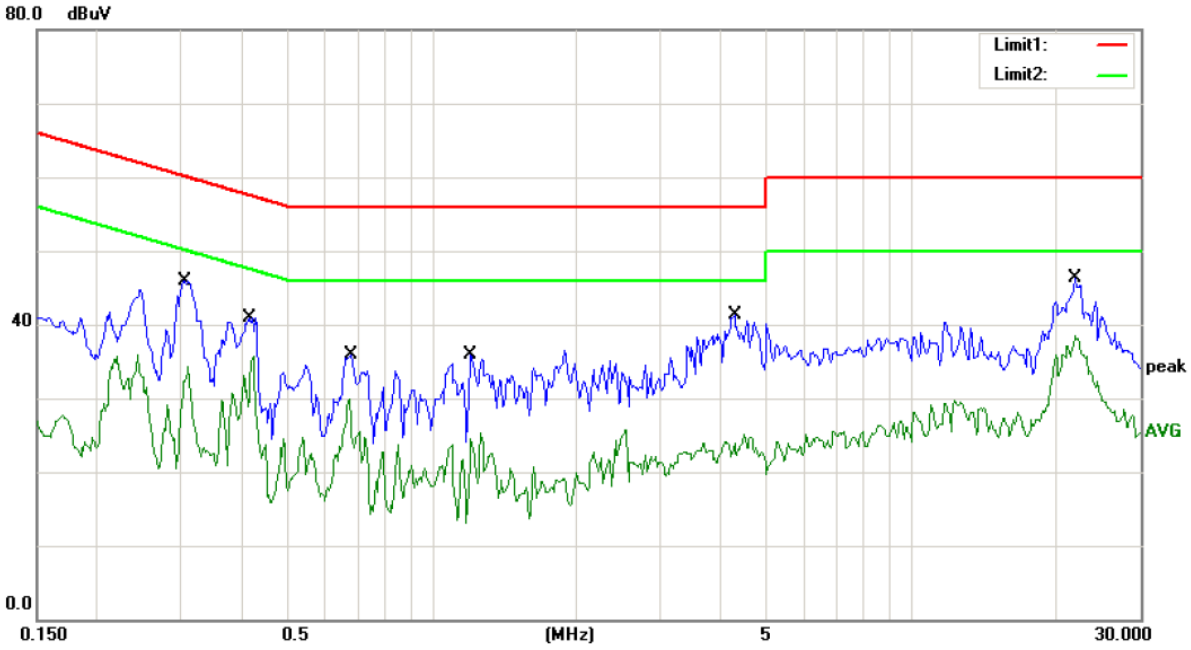
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

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

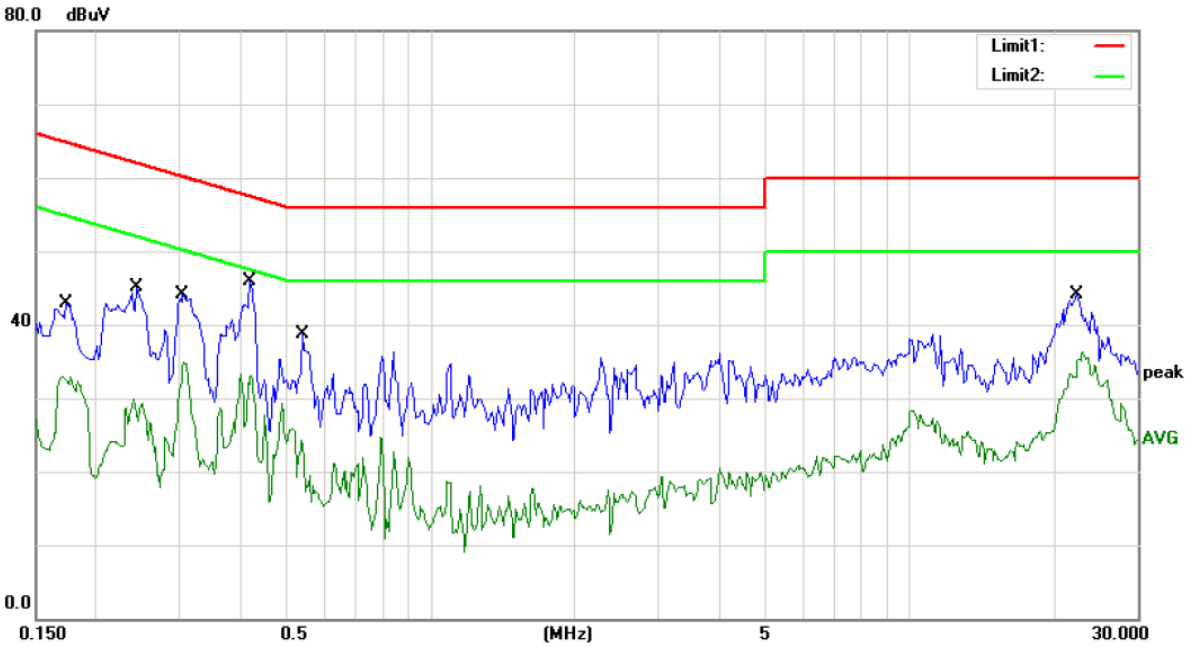
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

Mode: Y+Pb+Pr

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 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

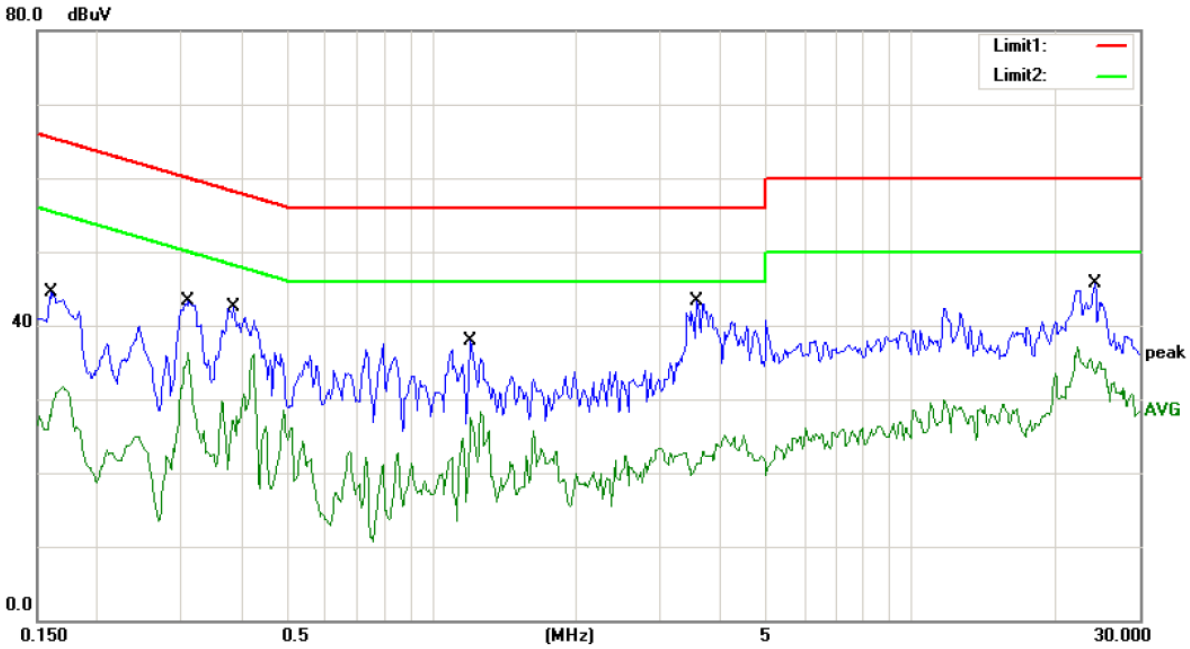
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 53 %

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:

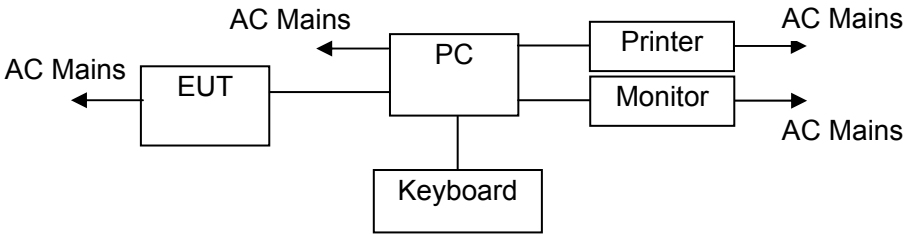
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | | 0.1607 | 44.52 | 0.00 | 44.52 | 65.43 | -20.91 | QP | |
| 2 | | 0.1607 | 31.61 | 0.00 | 31.61 | 55.43 | -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

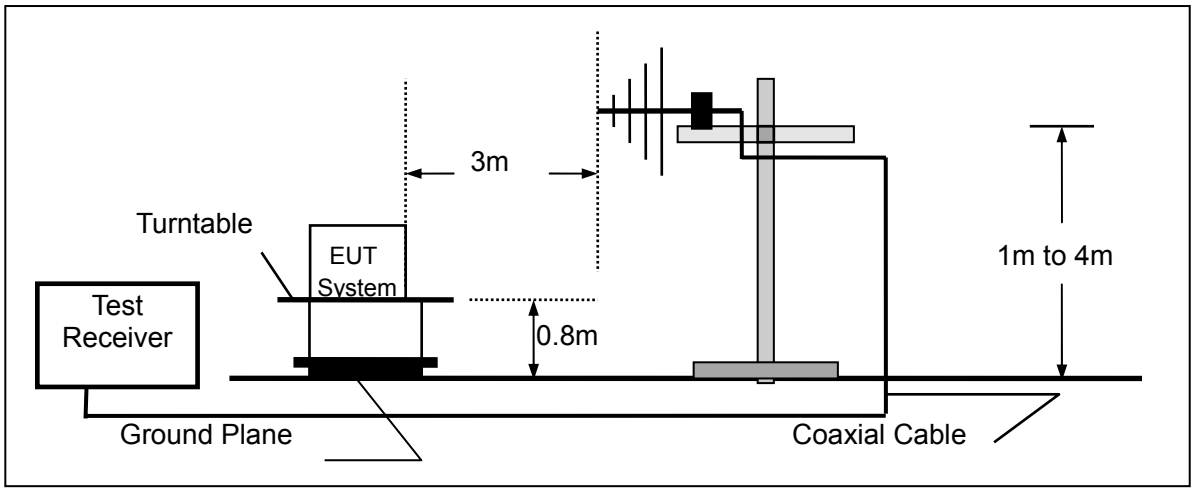
## 5.1. Block Diagram of Test Setup

### 5.1.1. Block diagram of EUT System




(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 | : | 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.

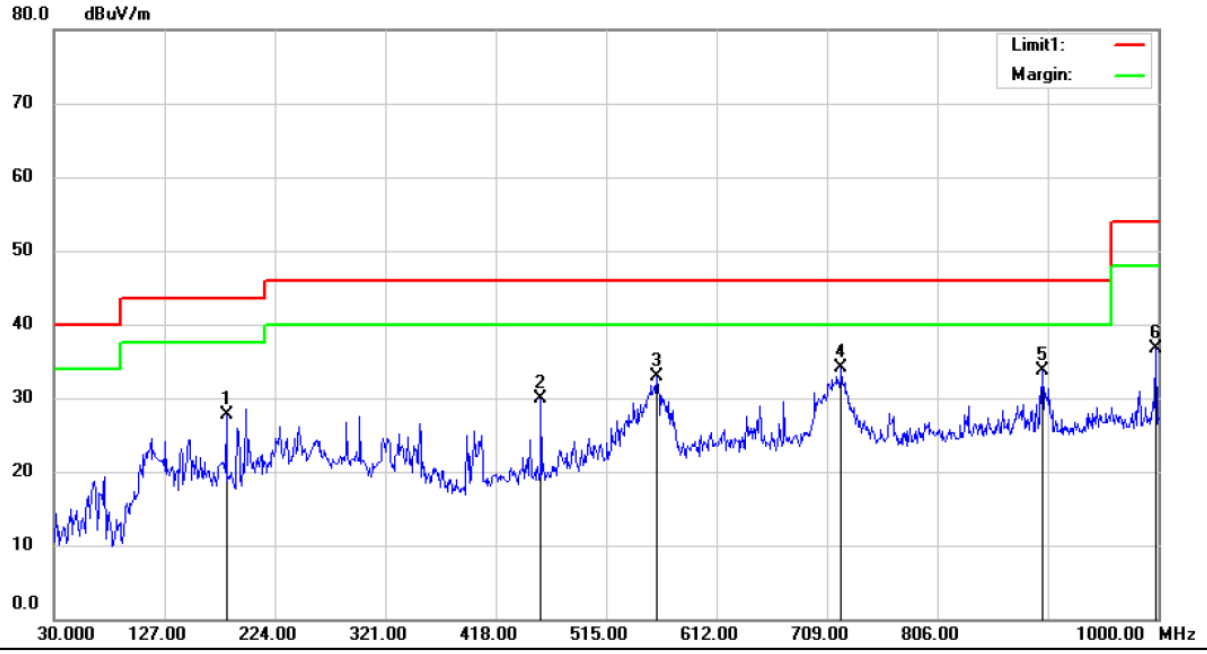
The bandwidth of the Receiver (ESU26) is set at 120kHz.
The worst scanning curves are attached in following pages.

## 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

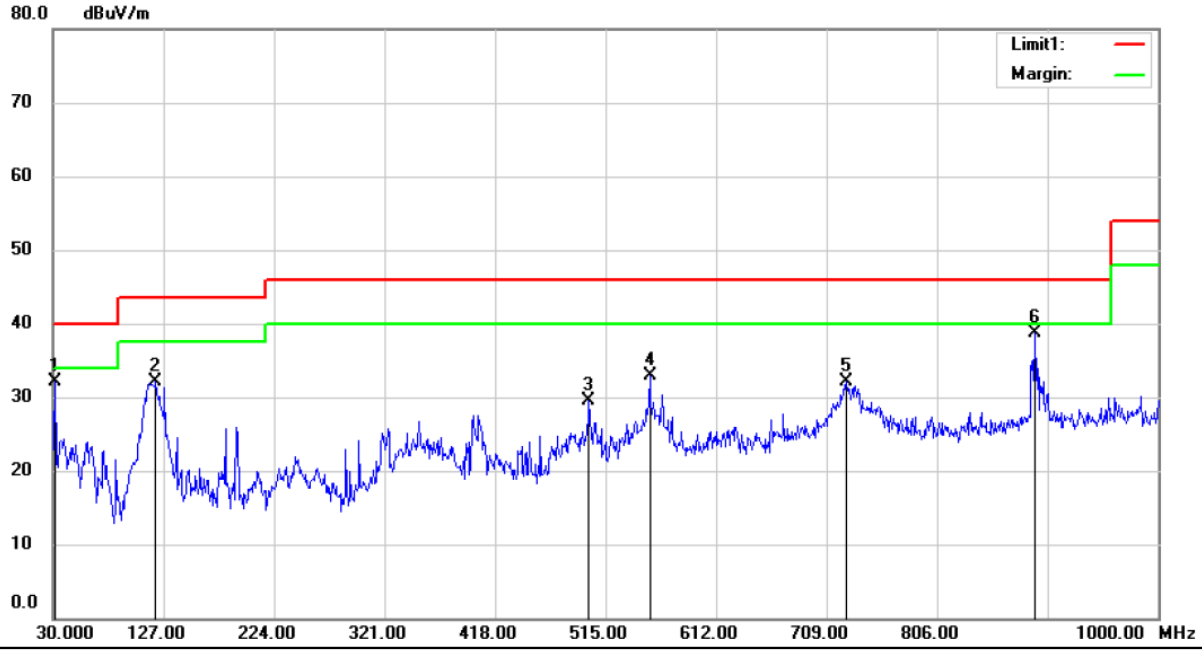
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:VGA IN(1920*1080)

Note:

| No. | Mk. | Freq. | 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 | | 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

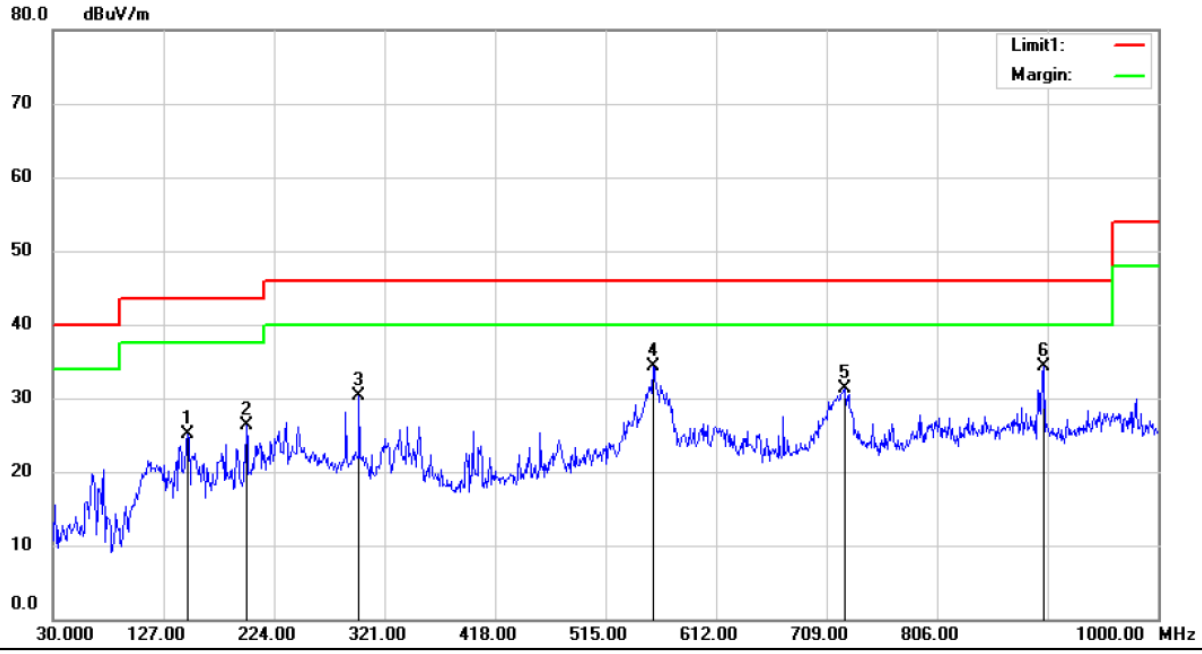
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:VGA IN(1920*1080)

Note:

| No. | Mk. | Freq. | 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 | | 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

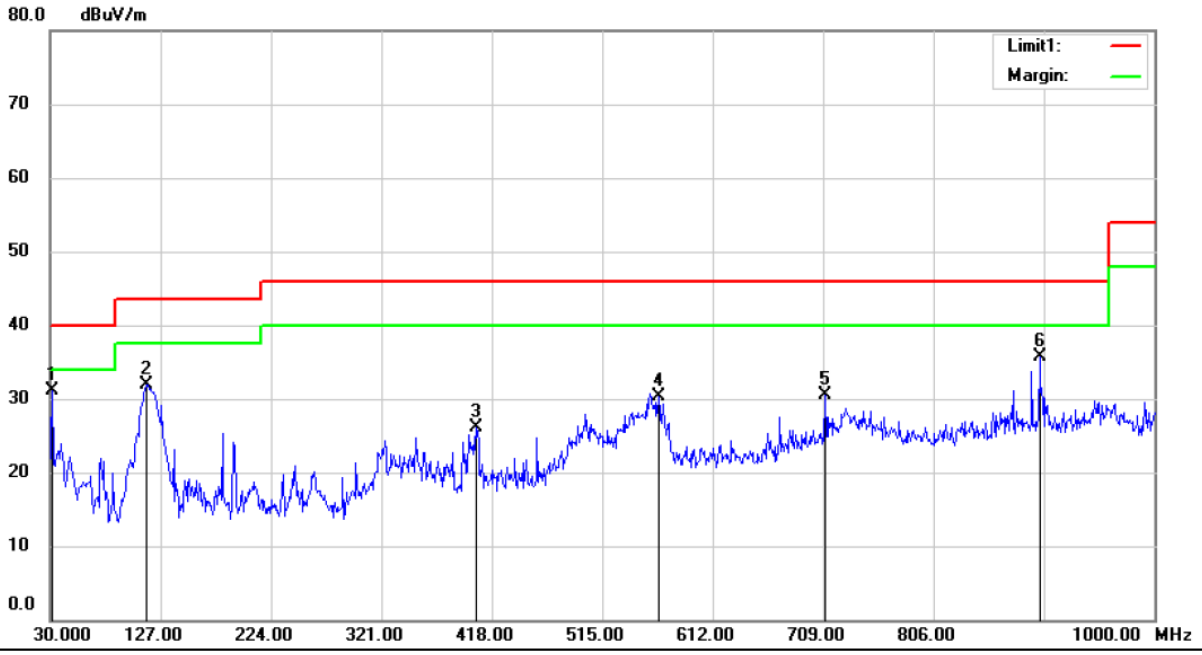
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:VGA IN(800*600)

Note:

| No. | Mk. | Freq. | 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 | | 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

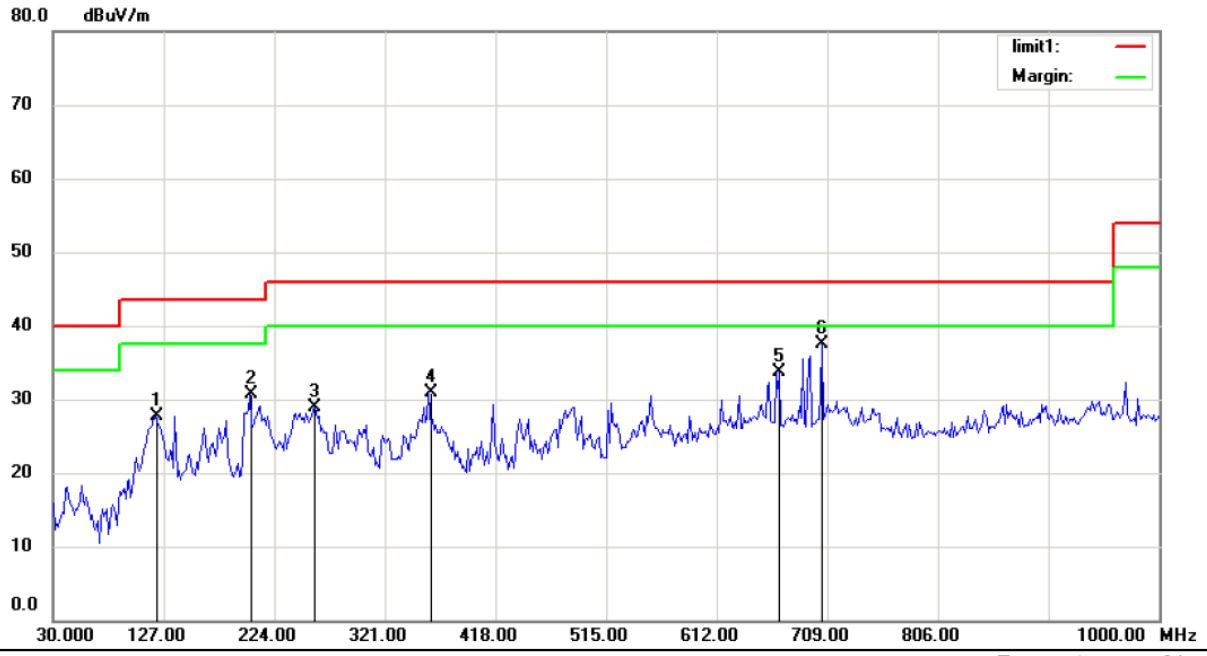
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:VGA IN(800*600)

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 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

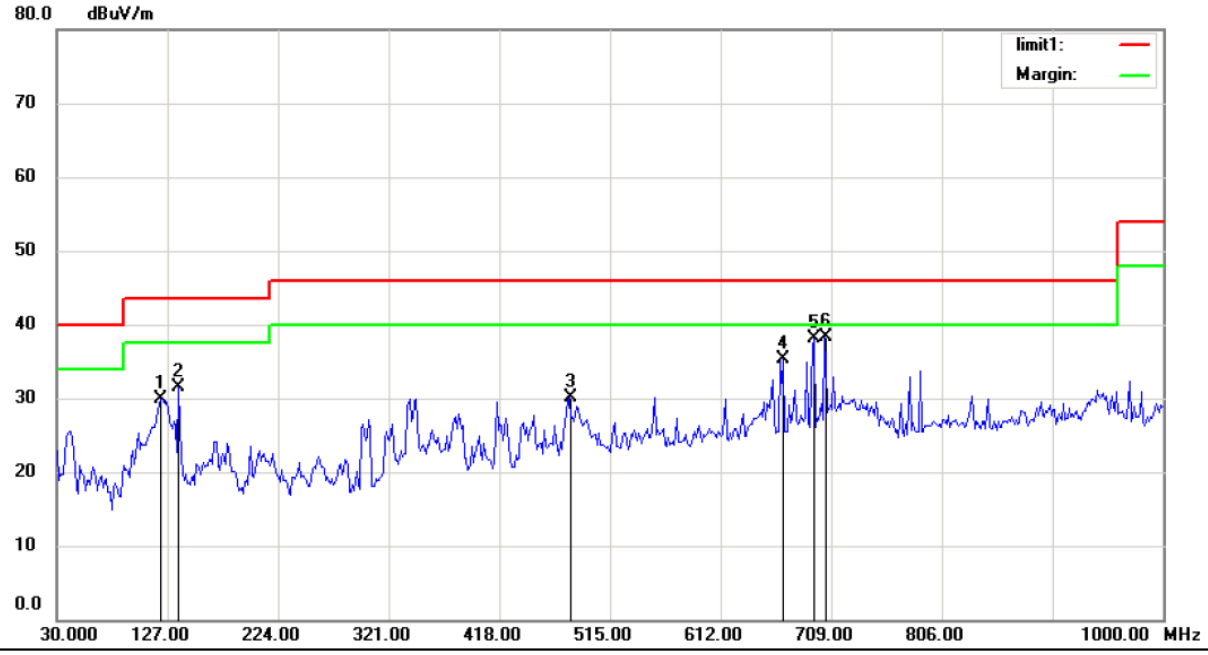
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:DVI(1920*1080)

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | 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

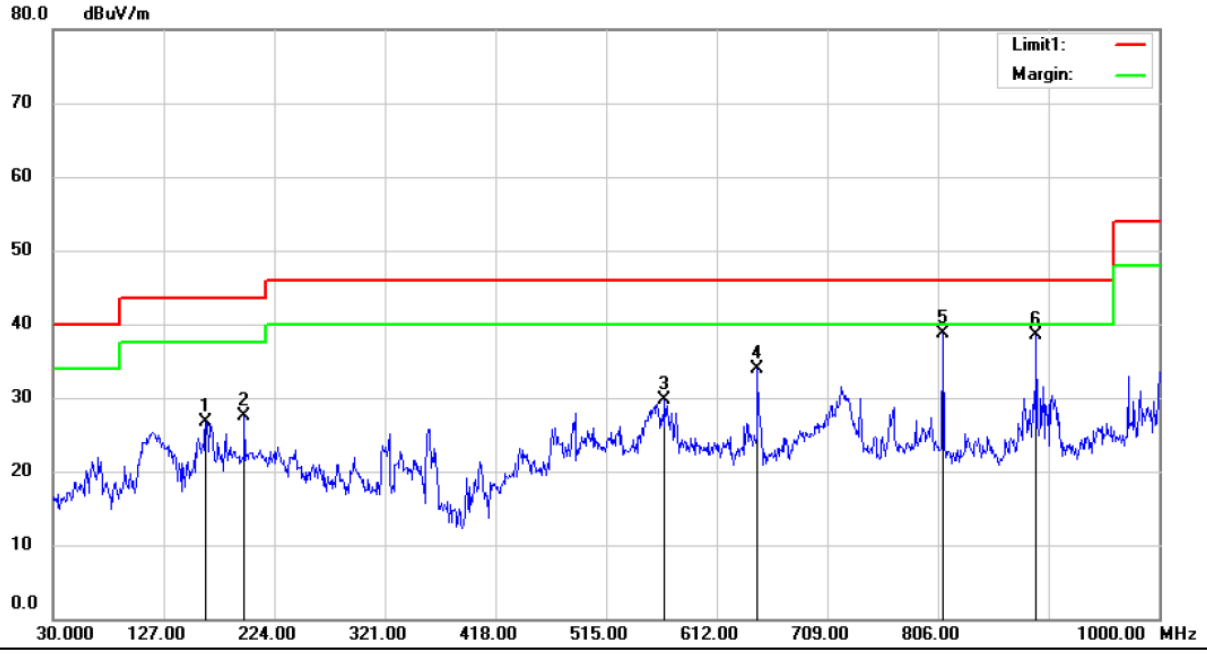
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:DVI(1920*1080)

Note:

| No. | Mk. | Freq. | 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 | | 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

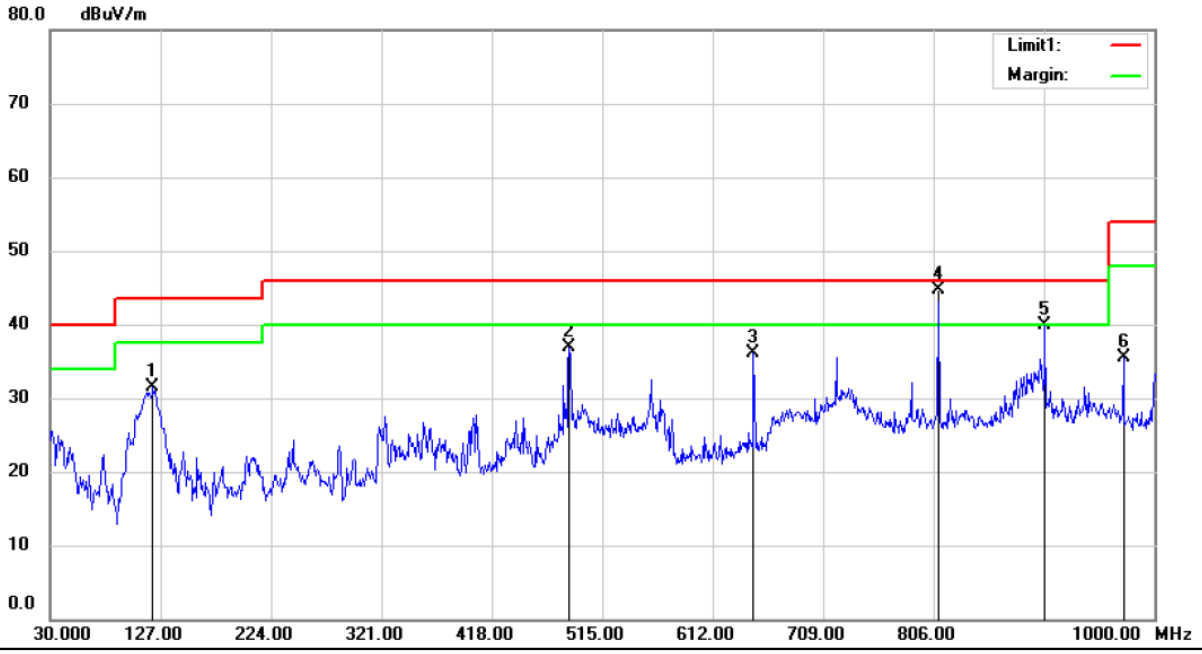
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:DVI IN(800*600)

Note:

| No. | Mk. | Freq. | 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 | | 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




Site site #1 Polarization: *Vertical* Temperature: 24 C

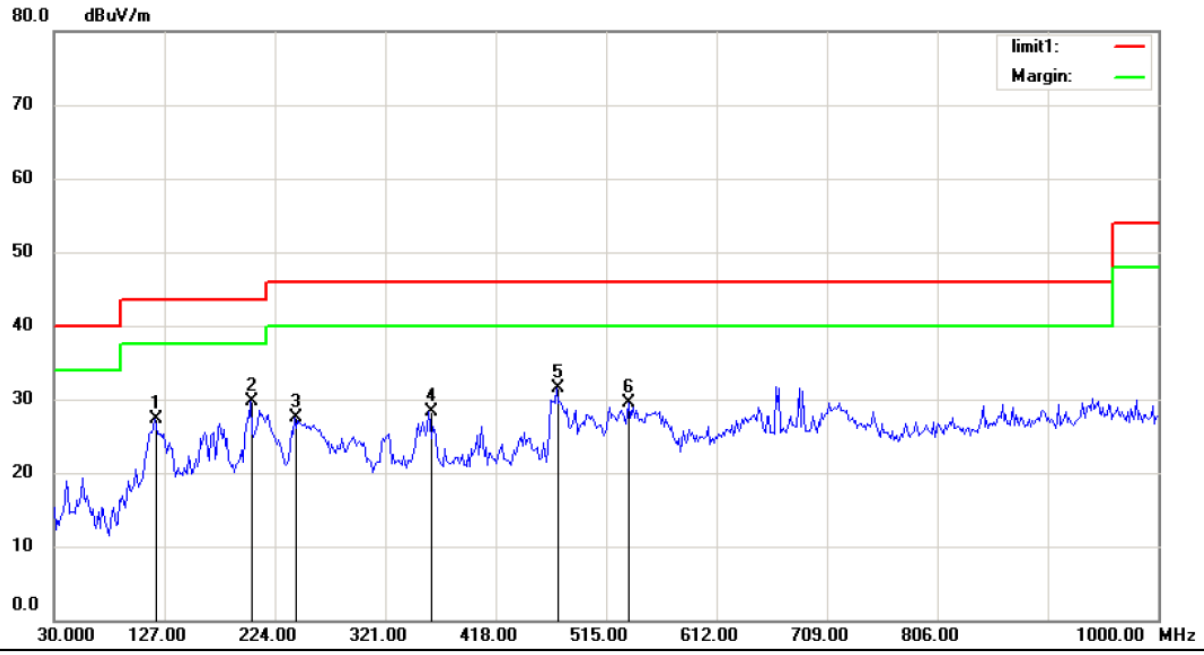
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:DVI IN(800*600)

Note:

| No. | Mk. | Freq. | 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 | | 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

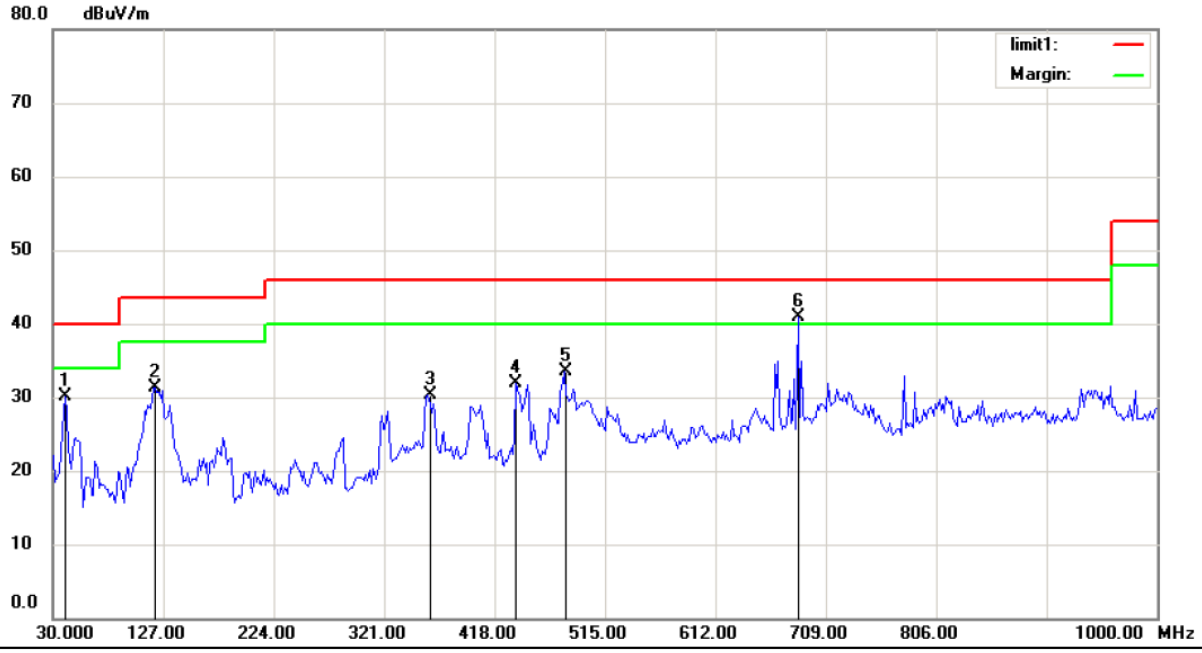
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:CVBS

Note:

| No. | Mk. | Freq. | 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 | | 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

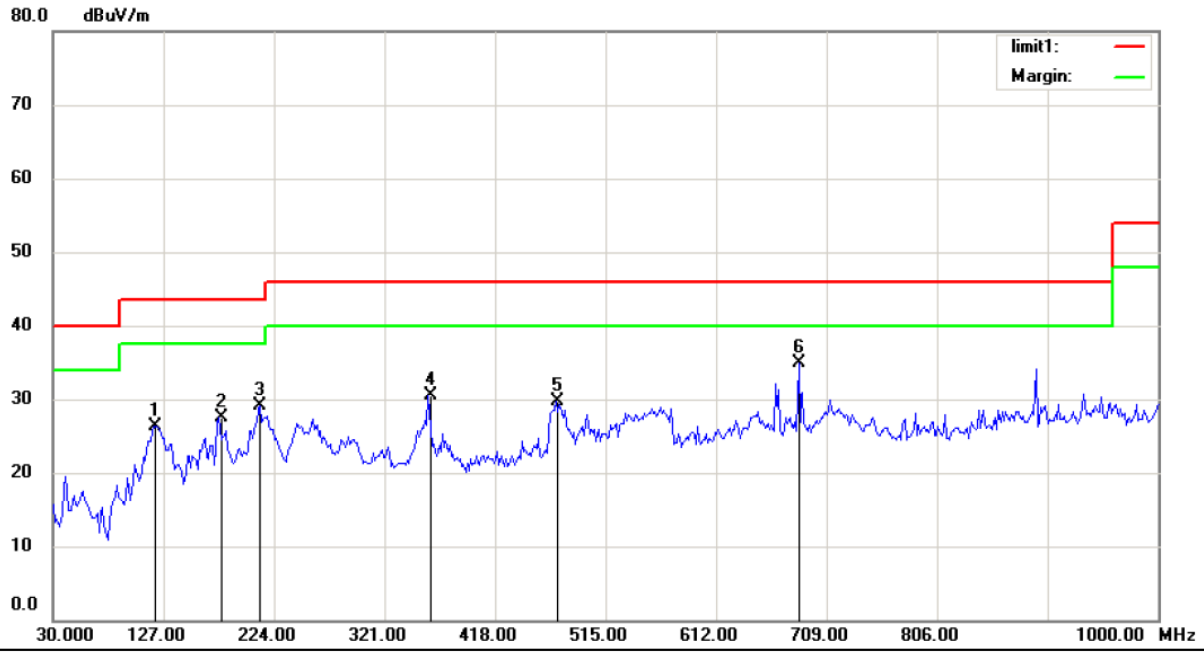
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

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 | Detector | 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

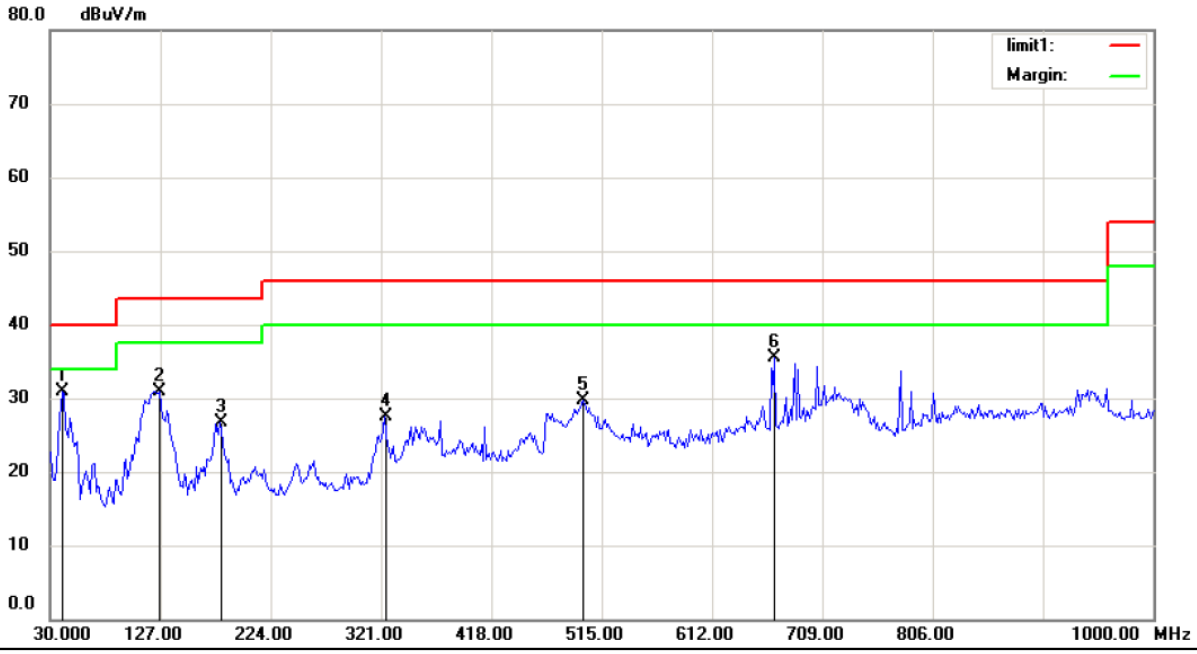
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:Y+Pb+Pr

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 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

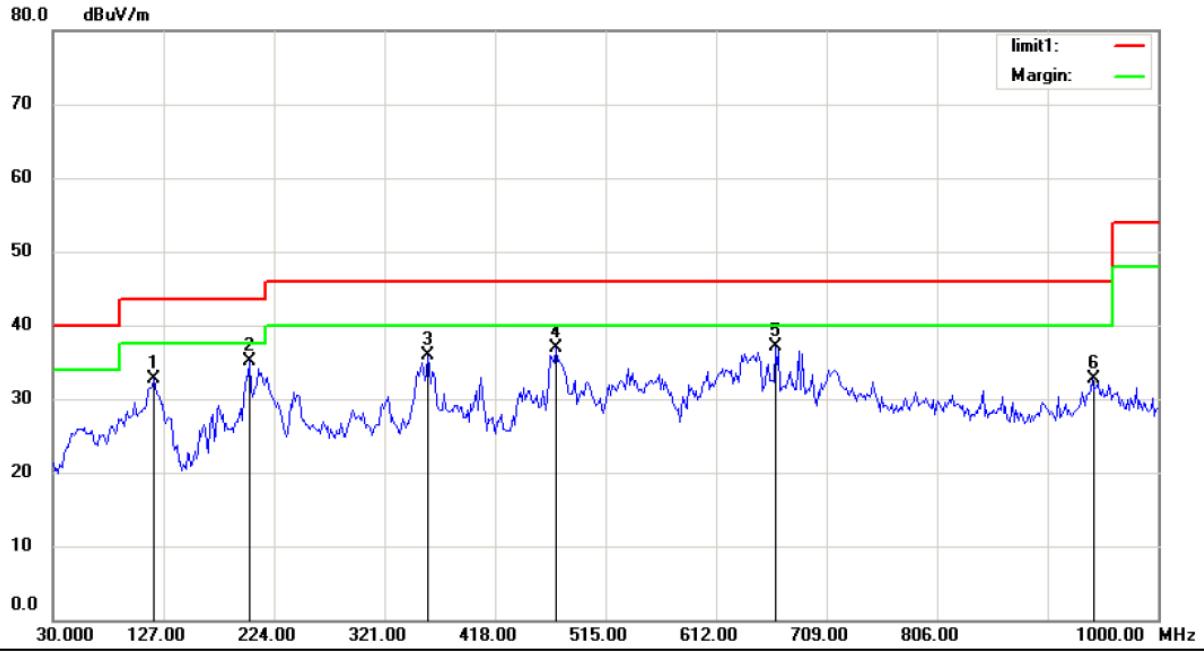
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:Y+Pb+Pr

Note:

| No. | Mk. | Freq. | 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 | * | 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




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

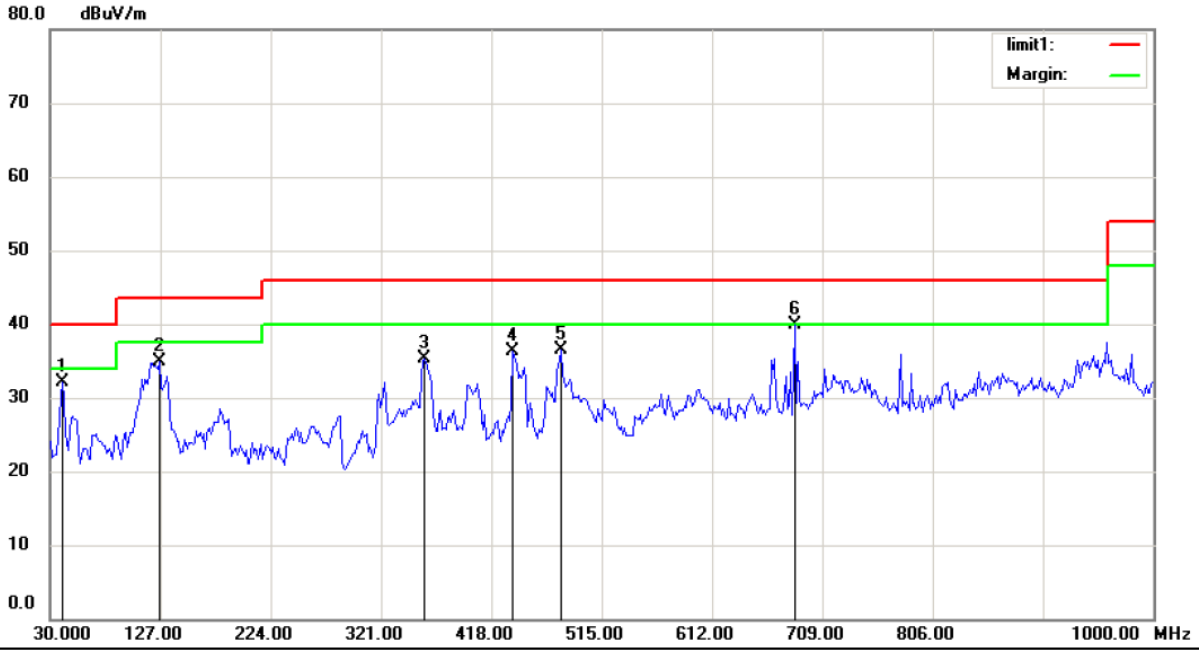
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:S-Video

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 | | 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

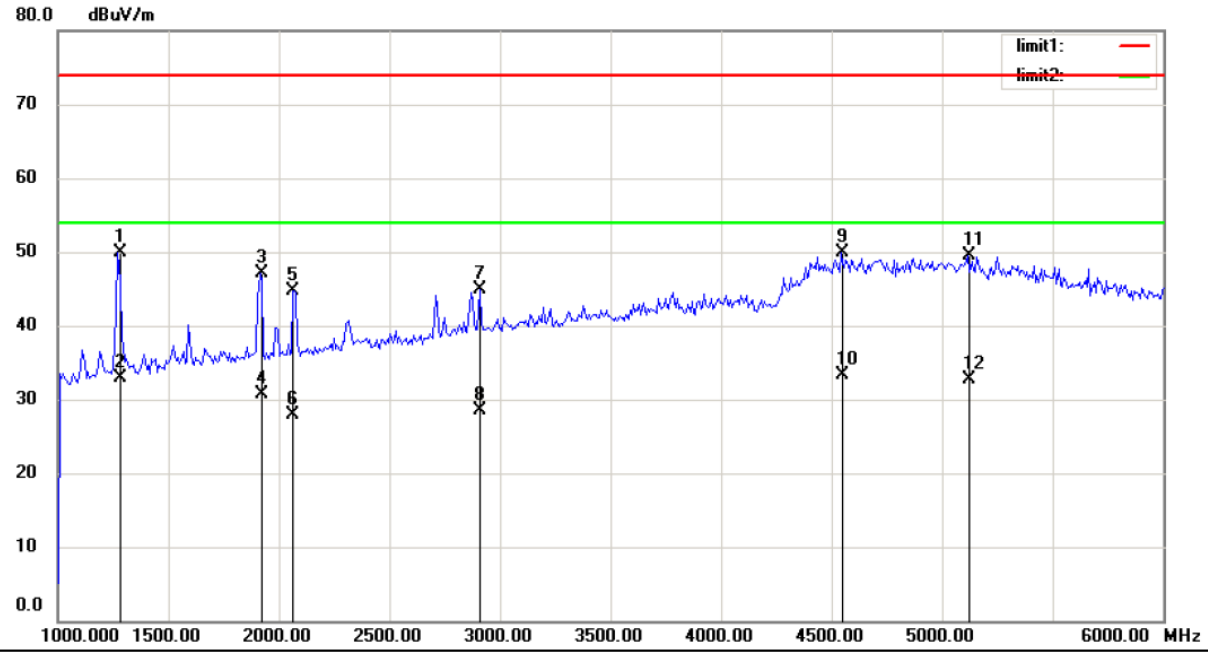
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:S-Video

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector cm | degree | Comment |
| 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

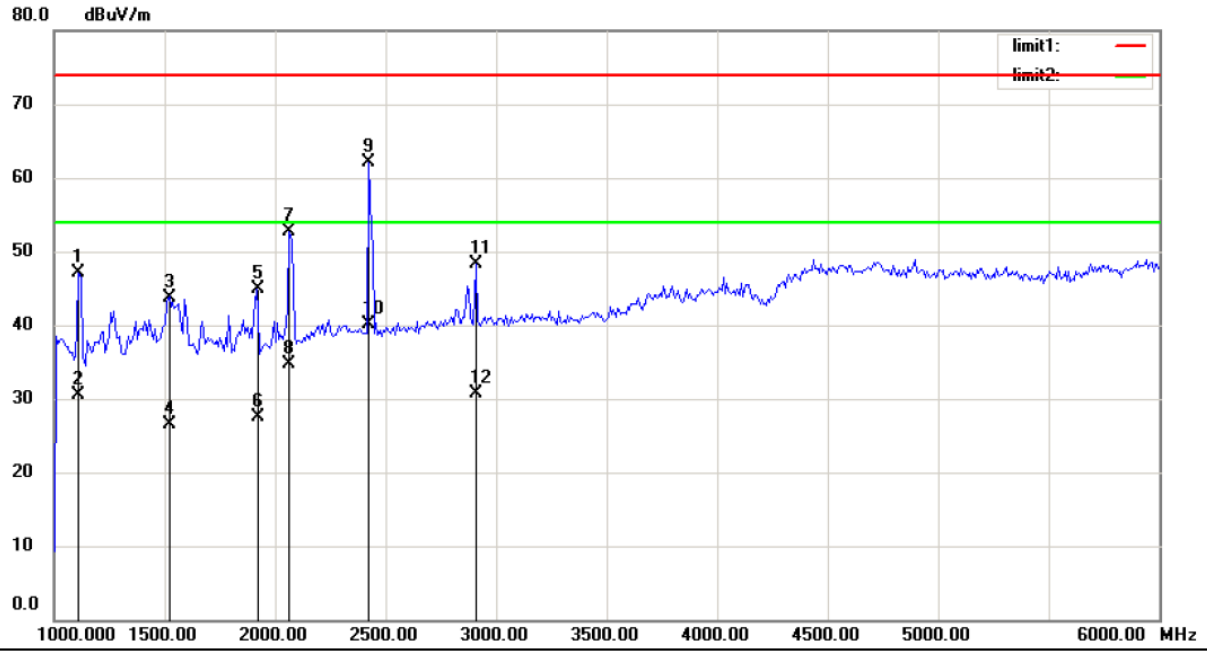
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %

Mode:VGA(1920*1080)

Note:

| No. | Mk. | Freq. | 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 | | 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



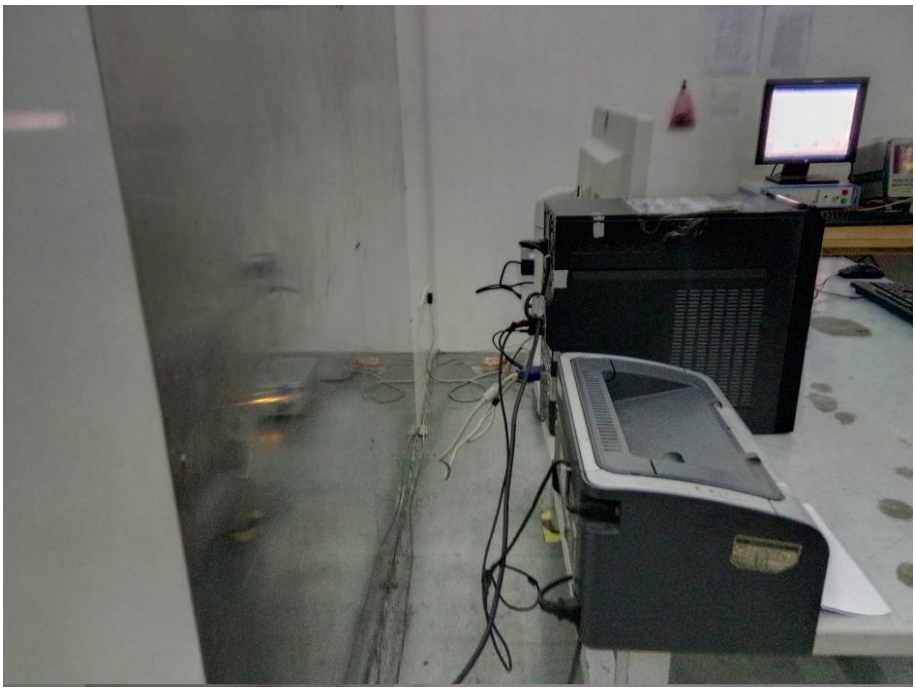

Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24
Limit: ( RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
Mode:VGA(1920*1080)
Note:

| No. | Mk. | Freq. | 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 | | 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