



# FCC PART 15 SUBPART B

## Test Report

**Applicant:** Shenyang Torch-Bigtide Digital Technology Co., Ltd.

**Address:** No. 18-6B, Yaoyang Road, Huishan Economic Development Area, Shenbei New District, Shenyang, China. 110164

**Product Name:** DVI Splitter Amplifier

**Model Name:** DS01

**Brand Name:** N/A

**FCC ID:** W65DVIDS01001

**Date of Issue:** May 04, 2012

**Issued by:** Most Technology Service Co., Ltd.

**Address:** No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China

**Tel:** 86-755-86170306

**Fax:** 86-755-86170310

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# 1. VERIFICATION OF CONFORMITY

Equipment under test: DVI Splitter Amplifier

Brand Name: N/A

Model Number: DS01

Series Number: N/A

Remark: N/A

FCC ID: W65DVIDS01001

Applicant: Shenyang Torch-Bigtide Digital Technology Co., Ltd.  
No. 18-6B, Yaoyang Road, Huishan Economic Development Area,  
Shenbei New District, Shenyang, China. 110164

Manufacturer: Shenyang Torch-Bigtide Digital Technology Co., Ltd.  
No. 18-6B, Yaoyang Road, Huishan Economic Development Area,  
Shenbei New District, Shenyang, China. 110164

Technical Standards: FCC Part 15 Subpart B

File Number: MTE/DAL/D12050540

Date of test: May 04, 2012

Deviation: None

Condition of Test Sample: Normal

Test Result: PASS

The above equipment was tested by Most for compliance with the requirements set forth in FCC Rules and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in the report.

Prepared by: Dona (Dona Liu)

Reviewed by: Elva (Elva Wong)

Approved by: Yvette (Yvette Zhou)



## 2. GENERAL INFORMATION

### 2.1 Product Information

Motherboard      BP011AX2140

Chip                GM5621

NOTE: Please refer to the photographs of the EUT. For more detailed features description about the EUT, please refer to User's Manual.

### 2.2. Objective

The objective of the report is to perform tests according to FCC Part 15 Subpart B for the EUT:

NO.	Identity	Document Title
1	FCC PART15 Subpart B	Class B personal computers and peripherals.....

### 2.3 Test standards And Results

Test items and the results are as bellow:

NO.	Section	Description	Result	Date of test
1	15.107	Conducted	Pass	2012-04-11
2	15.109	Radiated emission	Pass	2012-04-06/ 2012-04-13

### 2.4 Measurement Uncertainty

No.	Item	Uncertainty
1.	Uncertainty for Conducted Disturbance Test	2.75dB
2.	Uncertainty for Radiated Disturbance Test	3.15dB

### 2.5 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15-35 °C
- Humidity: 30-60%
- Atmospheric pressure: 86-106kPa

### 3. TEST FACILITY

#### 3.1 Test Facility

Test Site:	Most Technology Service Co., Ltd
Location:	No.5, Nangshan 2 <sup>nd</sup> Rd., North Hi-tech Industrial Park, Shenzhen, Guangdong, China.
Description:	There is one 3m semi-anechoic an area test sites and two line conducted labs for final test. The Open Area Test sites and the line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4-2003and CISPR 16 requirements. The FCC Registration Number is 490827
Site Filing:	The site description is on file with the Federal Communications Commission ,7435 Oakland Mills Road, Columbia , MD 21046
Instrument Tolerance:	All measuring equipment is in accord with ANSI C63.4 and CISPR 16 requirements that Meet industry regulatory agency and accreditation agency requirement.
Ground Plane:	Two conductive reference ground planes were used during the Line Conducted emission, One in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna .It has no holes or gaps having longitudinal dimensions larger than one-tenth of a wavelength at the highest frequency of measurement up to 1GHz.

#### 3.2 General Test Procedures

Test mode:	The following data show only with the worst case setup		
Conducted Emissions:	The EUT is placed on the test table, which is 0.8 m above ground plane. According to the requirements Section 13.1.4.1 of ANSI C63.4. Conducted emissions from the EUT measured in the frequency range between 0.15MHz and 30MHz using CISPR Quasi-peak and average detector modes.		
Radiated Emissions:	The EUT is placed on a turntable, which is 0.8m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which Varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by Changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum Emissions, exploratory radiated emission measurements were made according to the requirements in section 13.1.4.1 of ANSI C63.4.		
Setting :	9KHZ~150KHZ	RBW 200HZ	VBW1KHZ
	150KHZ~30MHZ	RBW 9KHZ	VBW 30KHZ
	30MHZ~1GHZ	RBW 120KHZ	VBW 300KHZ
	Above 1GHZ	RBW 1MHZ	VBW 3MHZ

## 4. SETUP OF EQUIPMENT UNDER TEST

### 4.1 Support Equipment

Description	Manufacturer	Model	Serial number
Computer	Dell DOC	DCSM	5P3842X
Mouse	Dell DOC	D PPID	MS111-L
Keyboard	Dell DOC	L100	U01C
USB flash drive	Kingston DOC	DT101 G2	5276930
VGA cable	Lenovo	shield	140cm
DVI cable	Lenovo	shield	140cm

### 4.2 Test Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	ROHDE&SCHWARZ	ESCI	100492	Mar. 06, 2012	1 Year
LISN	ROHDE&SCHWARZ	ENV216	100093	Mar. 06, 2012	1 Year
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	101202	Mar. 06, 2012	1 Year
Spectrum Analyzer	ANRITSU	MS2651B	6200238316	Mar. 06, 2012	1 Year
50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200283933	Mar. 06, 2012	1 Year
Bilog Antenna	Sunol	JB3	A121206	Mar. 06, 2012	1 Year
Horn Antenna	EMCO	3115	640201028-06	Mar. 06, 2012	1 Year
50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200283933	Mar. 06, 2012	1 Year
Cable	Resenberger	N/A	NO.1	Mar. 06, 2012	1 Year
Cable	SCHWARZBECK	N/A	NO.2	Mar. 06, 2012	1 Year
Cable	SCHWARZBECK	N/A	NO.3	Mar. 06, 2012	1 Year
DC Power Filter	Duoji	DL2X30B	N/A	Mar. 06, 2012	1 Year
Single phase power Line filter	Duoji	FNF 202B30	N/A	Mar. 06, 2012	1 Year
3 phase power line filter	Duoji	FNF 402B30	N/A	Mar. 06, 2012	1 Year
Impedance matching Pad	Rohde&schwarz	SCA-Comp	N/A	Mar. 06, 2012	1 Year
Coaxial switch	Anritsu Corp	MP59B	6200283933	Mar. 06, 2012	1 Year
AC power source	KIKUSUI	AC40MA	LM003232	Mar. 06, 2012	1 Year
AMN	Rohde&schwarz	ESH3-Z5	100229	Mar. 06, 2012	1 Year
Spectrum analyzer	Agilent	E4408B	MY41440460	Mar. 06, 2012	1 Year
ATV generator	Philips	PM5418 TNS	609114	Mar. 13.2012	1 Year
DTV generator	Televue	DTA110T	4110576337	Mar. 13.2012	1 Year

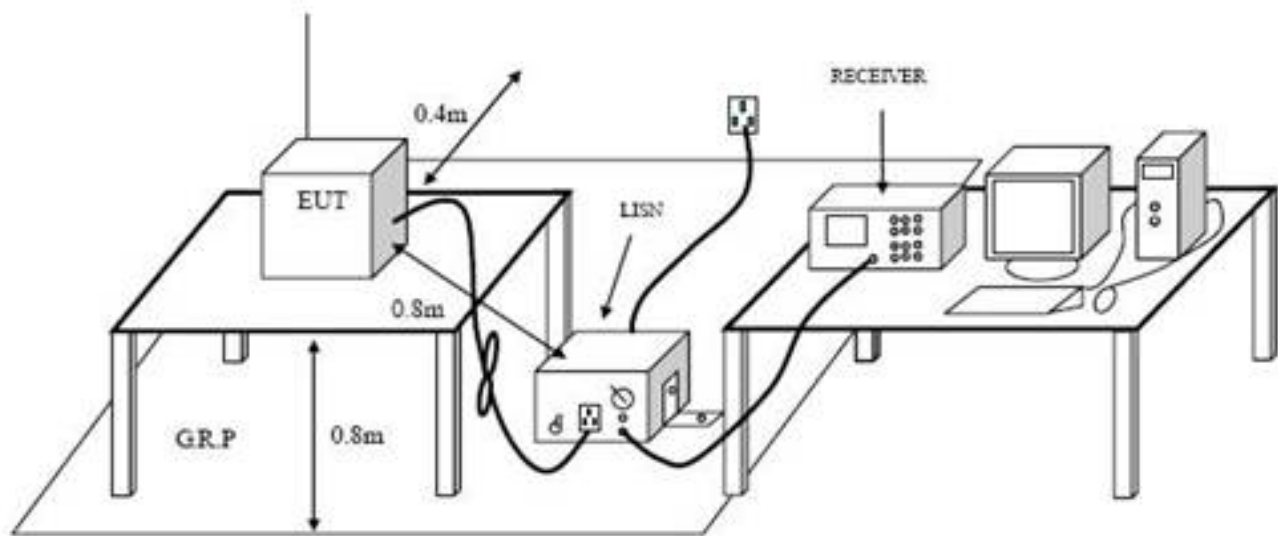
## 5. TEST REQUIREMENTS

### 5.1 Limits Of Line Conducted Emission Test

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

\* the limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz. The lower limit shall apply at the transition frequency

### 5.2 Block Diagram Of Test Setup



### 5.3 Preliminary Procedure Of Line Conducted Emission Test

- 1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height 0.8 meters is used and is placed on the ground plane as per FCC 15 (see Test Facility for the dimensions of the ground plane non-conductive covering to insulate the EUT from the ground plane).
- 2) Support equipment, if needed, was placed as per FCC Part 15.
- 3) All I/O Cables were positioned to simulate typical actual usage as per FCC Part 15.
- 4) The EUT received AC 120V/60Hz power through a Line Impedance Stabilization network (LISN) which supplied power source and was grounded to the ground plane.
- 5) All support equipments received power from a second LISN supplying power of AC 120V/60Hz, if any.
- 6) The EUT Test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer /Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer/Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer/Receiver.
- 7) Analyzer /Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.







Address: No. 5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Conducted Emission Measurement

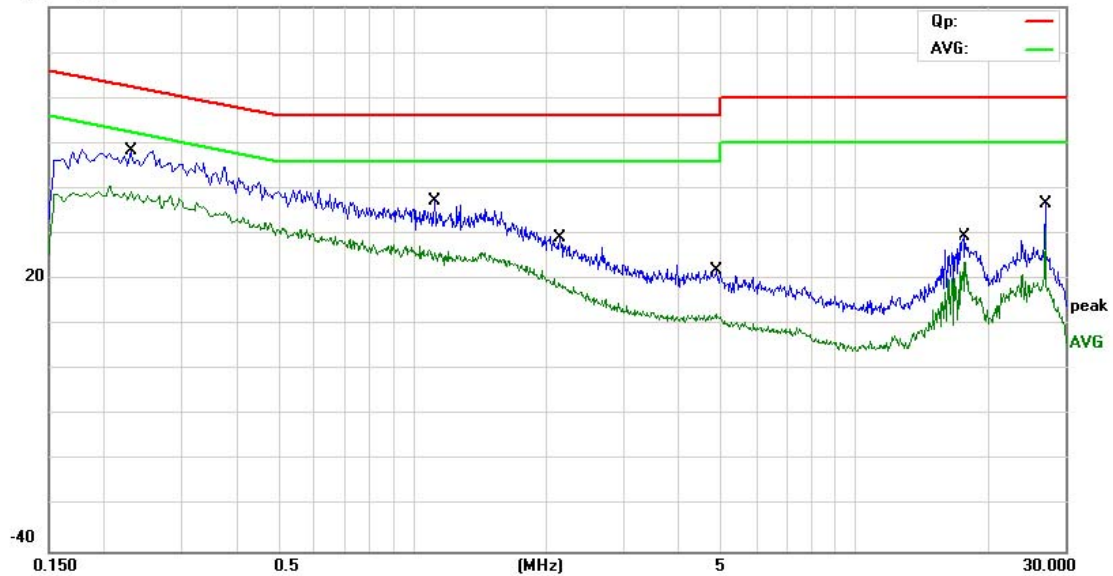
File: DS01

Data: #1

Date: 12/05/04/

Time: 14/35/19

80.0 dBuV



Site site #1

Phase: **L1**

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: AC 120V/60Hz

Humidity: 60 %

EUT: DVI Splitter Amplifier

M/N: DS01

Mode: Running

Note: DVI:1280\*1024@60Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.2300	36.56	11.80	48.36	62.45	-14.09	QP	
2		1.1220	27.27	9.88	37.15	56.00	-18.85	QP	
3		2.1460	19.89	9.15	29.04	56.00	-26.96	QP	
4		4.8780	10.17	11.88	22.05	56.00	-33.95	QP	
5		17.7300	20.43	9.00	29.43	60.00	-30.57	QP	
6		26.9980	27.57	9.00	36.57	60.00	-23.43	QP	

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

Engineer Signature: Sky



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### Conducted Emission Measurement

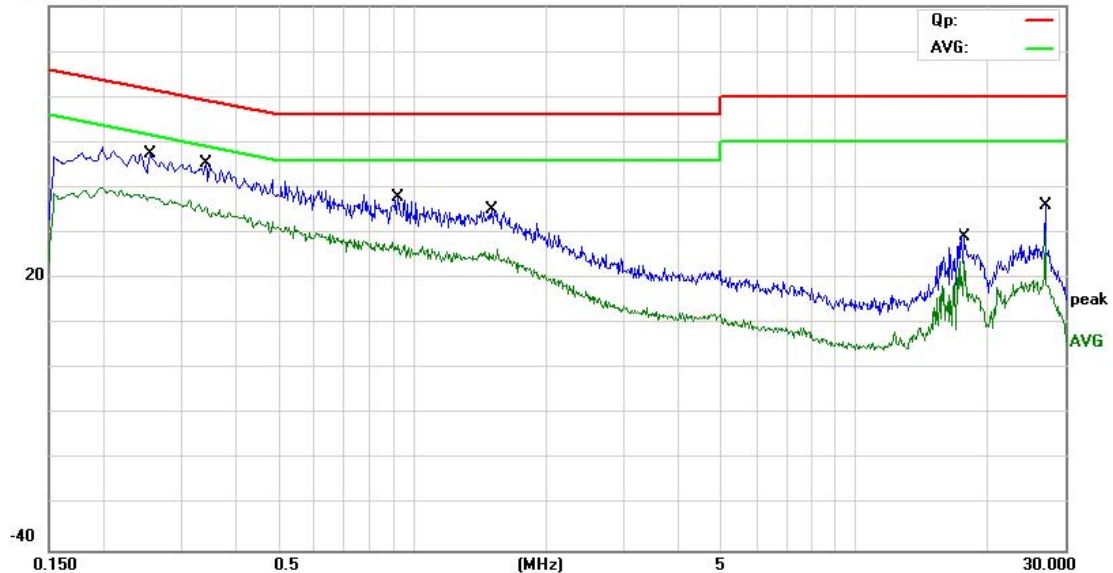
File: DS01

Data: #2

Date: 12/05/04/

Time: 14/37/42

80.0 dBuV



Site site #1

Phase: N

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: AC 120V/60Hz

Humidity: 60 %

EUT: DVI Splitter Amplifier

M/N: DS01

Mode: Running

Note: DVI:1280\*1024@60Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2540	35.89	11.64	47.53	61.63	-14.10	QP	
2	*	0.3420	34.26	11.05	45.31	59.15	-13.84	QP	
3		0.9260	27.76	10.00	37.76	56.00	-18.24	QP	
4		1.5100	25.54	9.49	35.03	56.00	-20.97	QP	
5		17.6740	20.19	9.00	29.19	60.00	-30.81	QP	
6		27.0020	27.16	9.00	36.16	60.00	-23.84	QP	

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

Engineer Signature: Sky



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### Conducted Emission Measurement

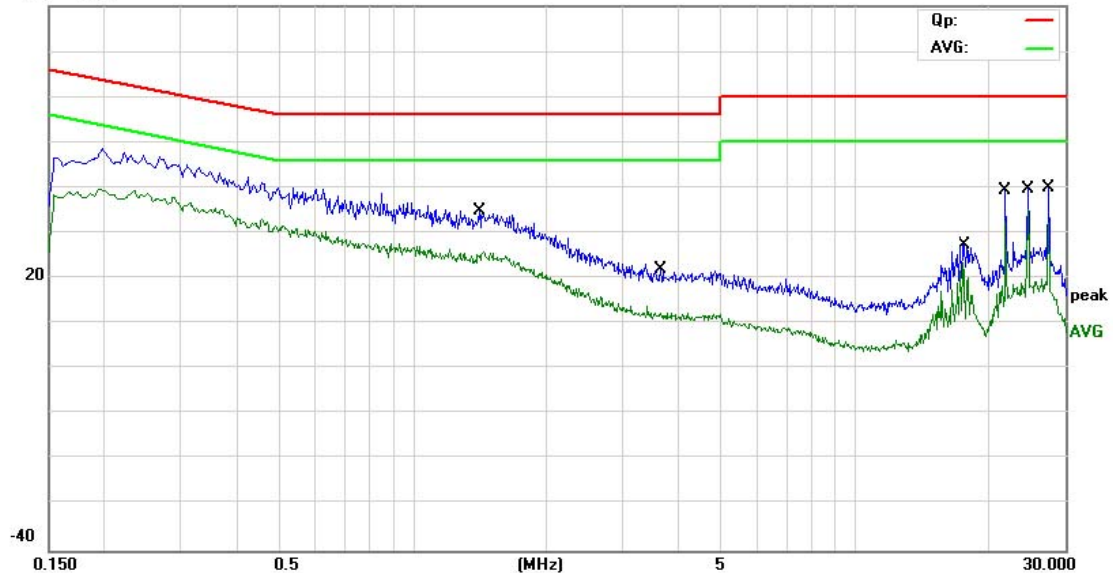
File: DS01

Data: #3

Date: 12/05/04/

Time: 14/40/06

80.0 dBuV



Site site #1

Phase: N

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: AC 120V/60Hz

Humidity: 60 %

EUT: DVI Splitter Amplifier

M/N: DS01

Mode: Running

Note: DVI:800\*600@60Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		1.4140	25.28	9.59	34.87	56.00	-21.13	QP	
2		3.6540	11.25	10.65	21.90	56.00	-34.10	QP	
3		17.7180	18.49	9.00	27.49	60.00	-32.51	QP	
4		21.9860	30.27	9.00	39.27	60.00	-20.73	QP	
5		24.7500	30.54	9.00	39.54	60.00	-20.46	QP	
6	*	27.5180	30.81	9.00	39.81	60.00	-20.19	QP	

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

Engineer Signature: Sky



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
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### Conducted Emission Measurement

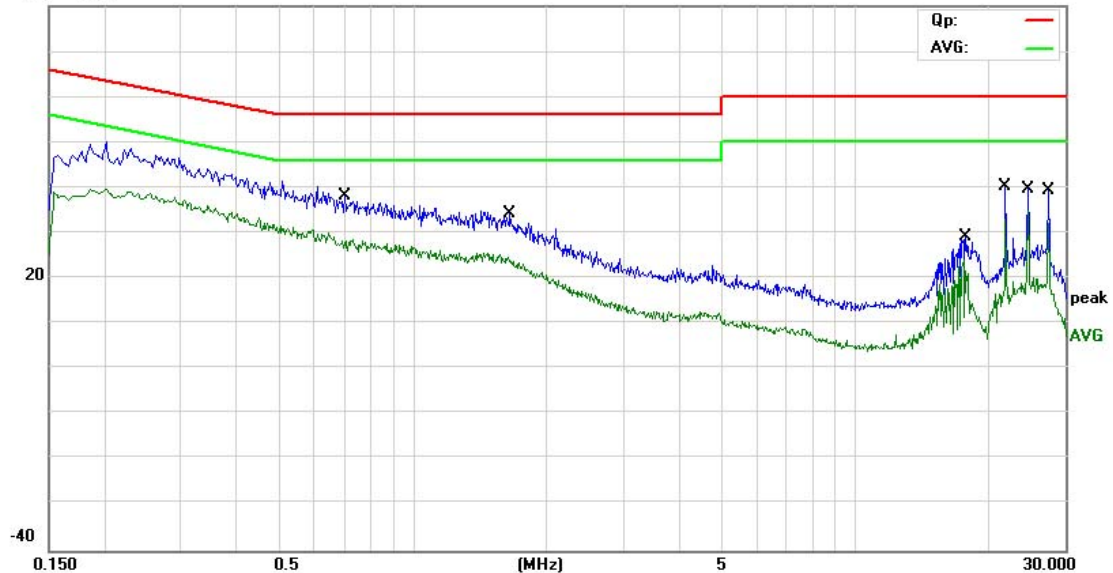
File: DS01

Data: #4

Date: 12/05/04/

Time: 14/43/05

80.0 dBuV



Site site #1

Phase: L1

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: AC 120V/60Hz

Humidity: 60 %

EUT: DVI Splitter Amplifier

M/N: DS01

Mode: Running

Note: DVI:800\*600@60Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.7020	28.26	10.00	38.26	56.00	-17.74	QP	
2		1.6580	25.04	9.34	34.38	56.00	-21.62	QP	
3		17.8580	20.20	9.00	29.20	60.00	-30.80	QP	
4		21.9860	31.15	9.00	40.15	60.00	-19.85	QP	
5		24.7500	30.53	9.00	39.53	60.00	-20.47	QP	
6		27.5140	30.45	9.00	39.45	60.00	-20.55	QP	

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

Engineer Signature: Sky



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
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### Conducted Emission Measurement

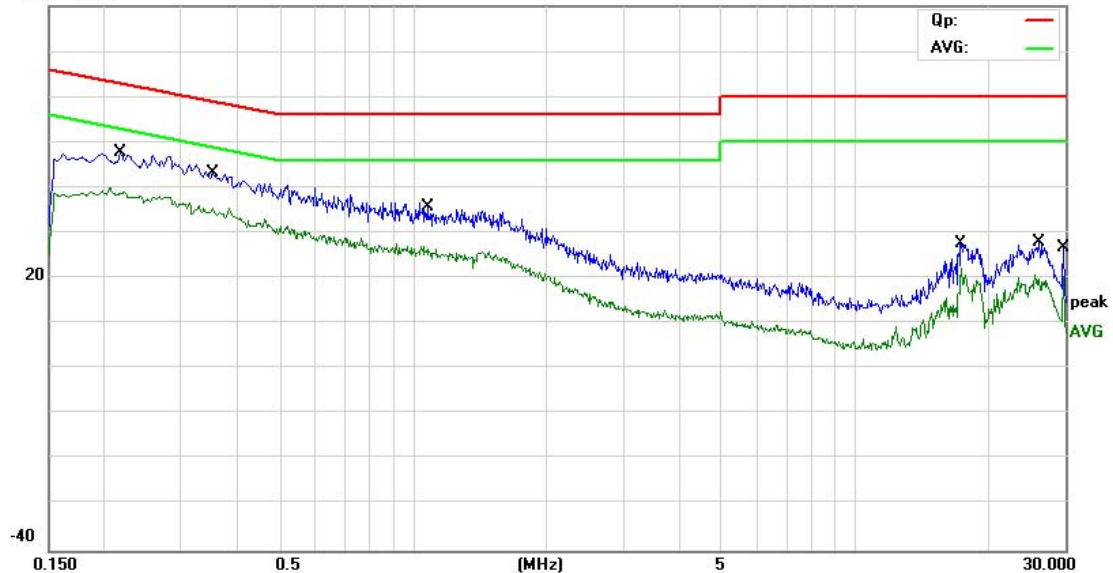
File: DS01

Data: #5

Date: 12/05/04/

Time: 14/47/10

80.0 dBuV



Site site #1

Phase: L1

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: AC 120V/60Hz

Humidity: 60 %

EUT: DVI Splitter Amplifier

M/N: DS01

Mode: Running

Note: DVI:1600\*1200@60Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.2180	35.84	11.88	47.72	62.89	-15.17	QP	
2		0.3540	32.28	10.97	43.25	58.87	-15.62	QP	
3		1.0780	25.87	9.92	35.79	56.00	-20.21	QP	
4		17.3980	18.76	9.00	27.76	60.00	-32.24	QP	
5		26.2300	18.99	9.00	27.99	60.00	-32.01	QP	
6		29.6980	17.80	9.00	26.80	60.00	-33.20	QP	

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

Engineer Signature: Sky



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### Conducted Emission Measurement

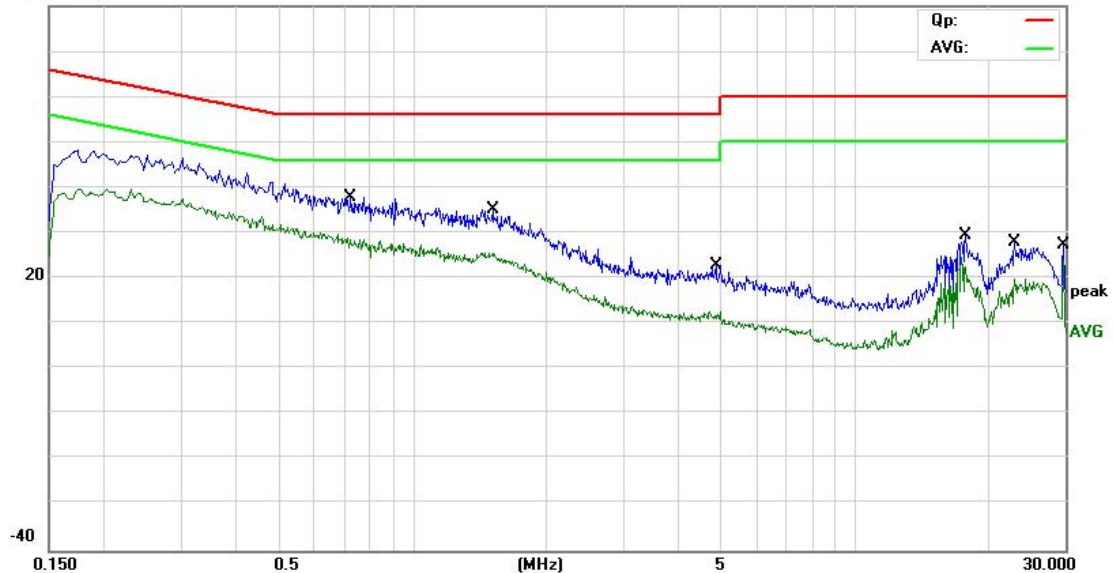
File: DS01

Data: #6

Date: 12/05/04/

Time: 14/51/12

80.0 dBuV



Site site #1

Phase: N

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: AC 120V/60Hz

Humidity: 60 %

EUT: DVI Splitter Amplifier

M/N: DS01

Mode: Running

Note: DVI:1600\*1200@60Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.7260	27.97	10.00	37.97	56.00	-18.03	QP	
2		1.5180	25.63	9.48	35.11	56.00	-20.89	QP	
3		4.8620	10.93	11.86	22.79	56.00	-33.21	QP	
4		17.9020	20.35	9.00	29.35	60.00	-30.65	QP	
5		23.0540	18.81	9.00	27.81	60.00	-32.19	QP	
6		29.6980	18.40	9.00	27.40	60.00	-32.60	QP	

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

Engineer Signature: Sky

## 6. TEST RADIATED EMISSION REQUIREMENT

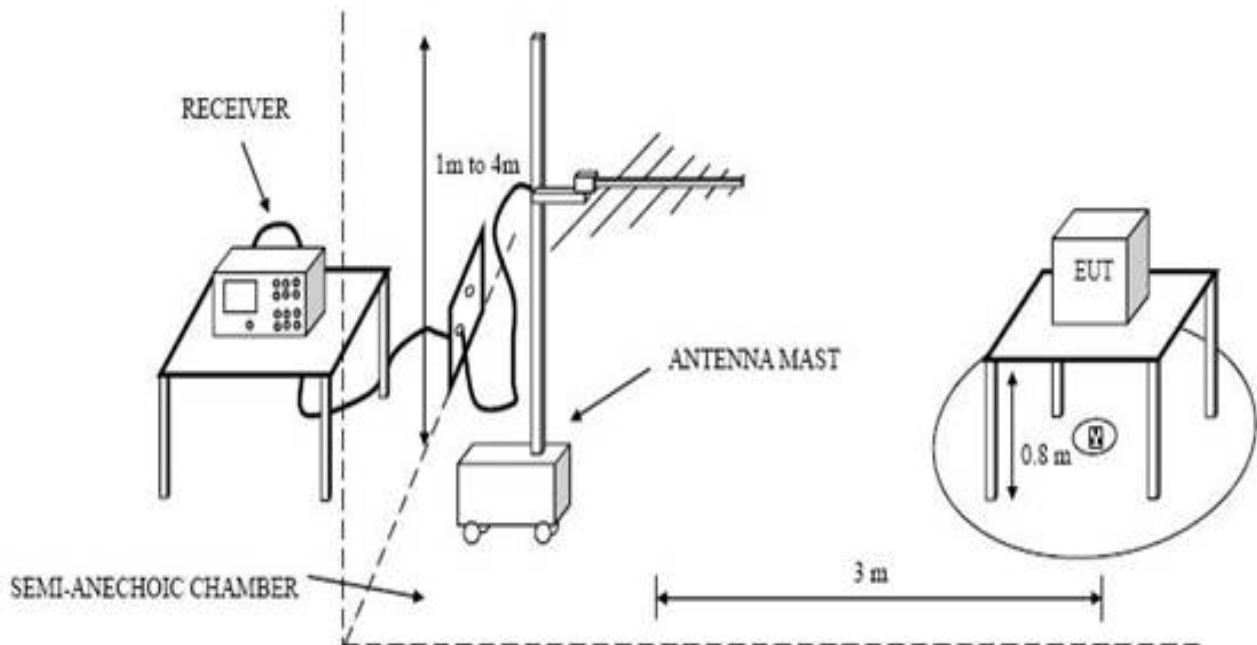
### 6.1 Limits Of Radiated Disturbances At 3m Distances For Class B

Frequency MHz	Field Strength uV/m	Field Strength dBuV/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

Note: Adjust the brightness and contrast to maximum

Emissions attenuated more than 20 dB below the permissible value are not reported.

### 6.2: Block Of Radiation Interference



### 6.3 Preliminary Radiated Emission Test

In the frequency range above 30MHz,Bi-log Test Antenna(30MHz to 1GHz)and Horn Test Antenna (above 1GHz)are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

[illegible]

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing

## 6.4 Test Result Of Radiation Emission Test





Address: No. 5, Langshan 2nd Rd., North Hi-Tech Industrial park  
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### Radiated Emission Measurement

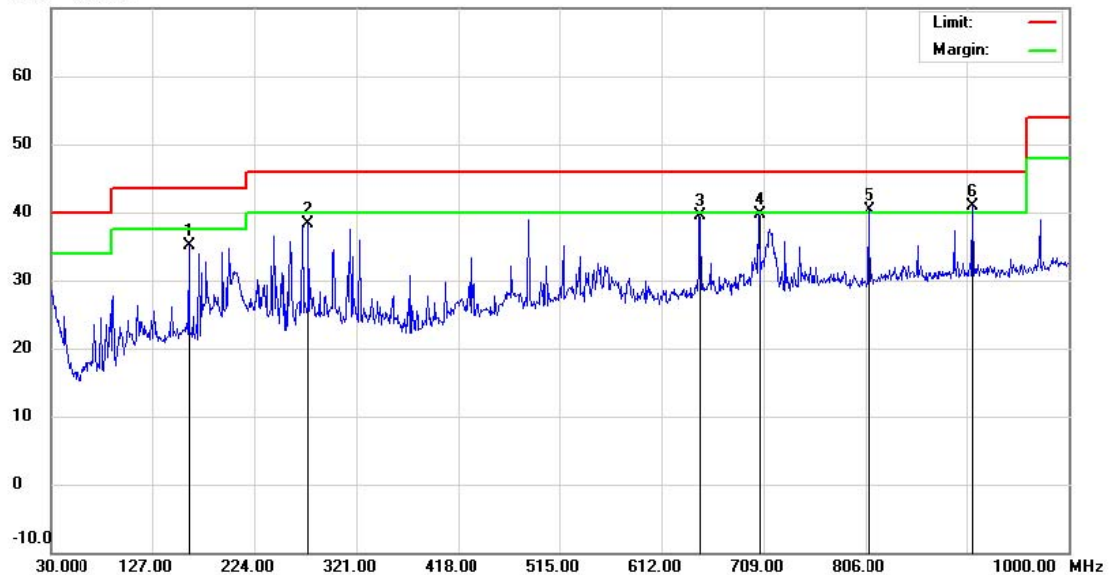
File: DS01

Data: #1

Date: 2012-5-4

Time: 16:23:48

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Horizontal**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: AC 120V/60Hz

Humidity: 61 %

EUT: DVI Splitter Amplifier

Distance:

M/N: DS01

Mode: Running

Note: DVI:800\*60@60Hz

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		161.9200	17.79	17.26	35.05	43.50	-8.45	QP		
2		275.4100	19.04	19.22	38.26	46.00	-7.74	QP		
3		647.8900	15.46	24.08	39.54	46.00	-6.46	QP		
4		704.1500	14.99	24.66	39.65	46.00	-6.35	QP		
5	!	809.8799	14.43	25.90	40.33	46.00	-5.67	QP		
6	*	908.8200	13.32	27.58	40.90	46.00	-5.10	QP		

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

Engineer Signature:

Allen



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### Radiated Emission Measurement

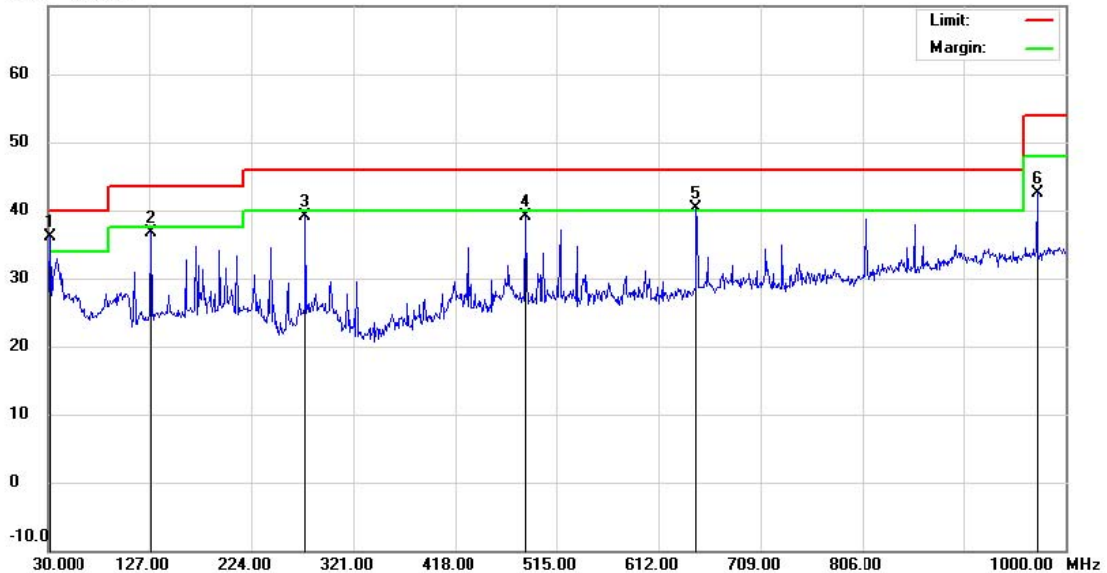
File: DS01

Data: #2

Date: 2012-5-4

Time: 16:26:30

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Vertical**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: AC 120V/60Hz

Humidity: 61 %

EUT: DVI Splitter Amplifier

Distance:

M/N: DS01

Mode: Running

Note: DVI:800\*600@60Hz

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	*	31.9400	12.88	23.31	36.19	40.00	-3.81	QP			
2		128.9398	18.95	17.70	36.65	43.50	-6.85	QP			
3		275.4100	19.90	19.22	39.12	46.00	-6.88	QP			
4		485.8999	17.41	21.78	39.19	46.00	-6.81	QP			
5	!	647.8899	16.29	24.08	40.37	46.00	-5.63	QP			
6		972.8400	14.41	28.19	42.60	54.00	-11.40	QP			

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

Engineer Signature:

Allen



Address: No. 5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Radiated Emission Measurement

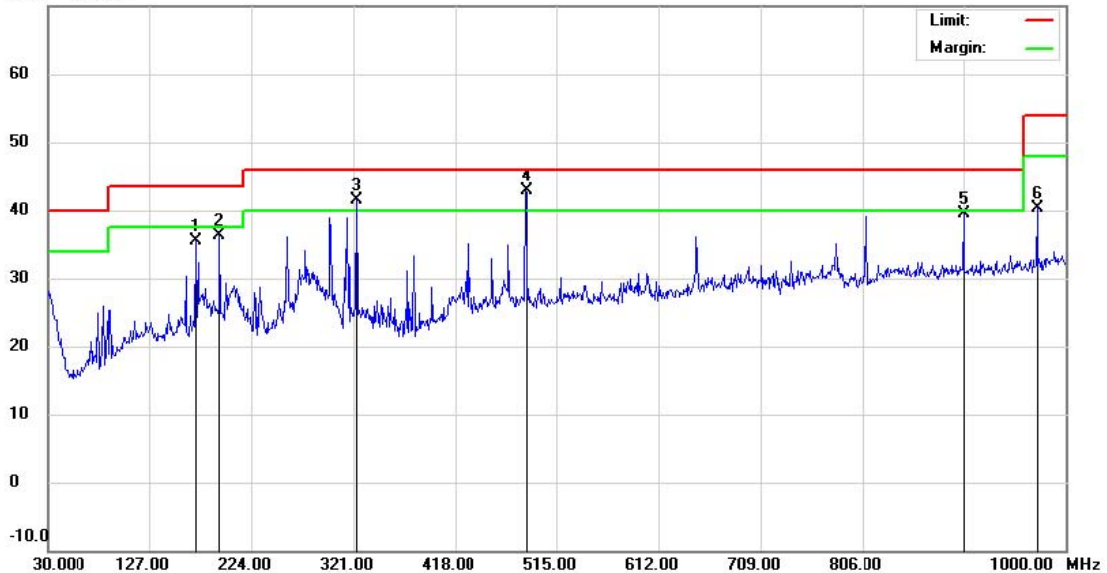
File: DS01

Data: #3

Date: 2012-5-4

Time: 16:29:30

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Horizontal**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: AC 120V/60Hz

Humidity: 61 %

EUT: DVI Splitter Amplifier

Distance:

M/N: DS01

Mode: Running

Note: DVI:1280\*1024@60Hz

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		171.6200	18.39	17.12	35.51	43.50	-7.99	QP		
2		193.9299	19.55	16.80	36.35	43.50	-7.15	QP		
3	!	323.9100	24.48	17.00	41.48	46.00	-4.52	QP		
4	*	485.9000	21.21	21.78	42.99	46.00	-3.01	QP		
5		903.0000	12.07	27.46	39.53	46.00	-6.47	QP		
6		972.8400	12.21	28.19	40.40	54.00	-13.60	QP		

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

Engineer Signature: Allen



Address: No. 5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Radiated Emission Measurement

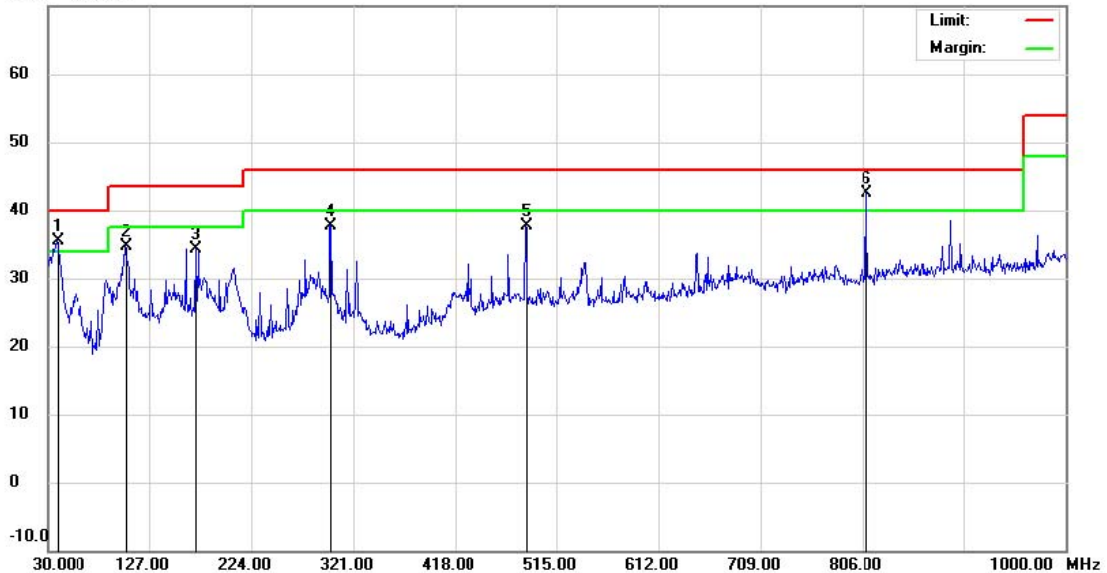
File: DS01

Data: #4

Date: 2012-5-4

Time: 16:33:35

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Vertical**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: AC 120V/60Hz

Humidity: 61 %

EUT: DVI Splitter Amplifier

Distance:

M/N: DS01

Mode: Running

Note: DVI:1280\*1024@60Hz

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	I	38.7300	17.74	17.85	35.59	40.00	-4.41	QP			
2		104.6900	20.08	14.56	34.64	43.50	-8.86	QP			
3		171.6200	17.26	17.12	34.38	43.50	-9.12	QP			
4		298.6900	18.40	19.30	37.70	46.00	-8.30	QP			
5		485.9000	15.83	21.78	37.61	46.00	-8.39	QP			
6	*	809.8800	16.63	25.90	42.53	46.00	-3.47	QP			

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

Engineer Signature:

Allen



Address: No. 5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Radiated Emission Measurement

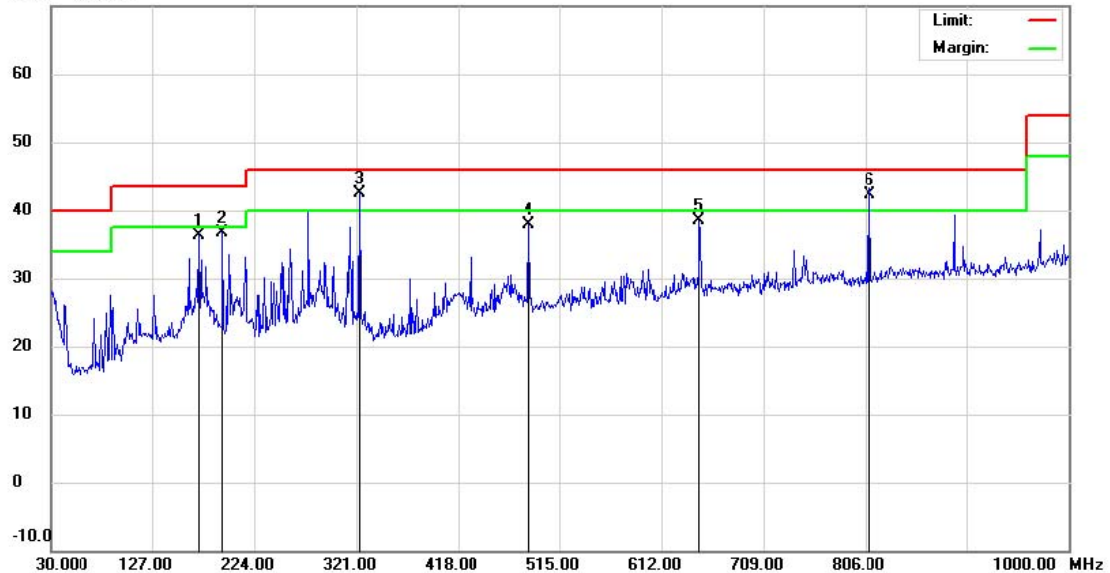
File : DS01

Data : #5

Date: 2012-5-4

Time: 16:37:04

70.0 dBuV/m



Site site MOST 3M

Polarization: **Horizontal**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: AC 120V/60Hz

Humidity: 61 %

EUT: DVI Splitter Amplifier

Distance:

M/N: DS01

Mode: Running

Note: DVI:1600\*1200@60Hz

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		171.6200	19.27	17.12	36.39	43.50	-7.11	QP		
2		193.9299	19.83	16.80	36.63	43.50	-6.87	QP		
3	*	323.9100	25.55	17.00	42.55	46.00	-3.45	QP		
4		485.8999	16.12	21.78	37.90	46.00	-8.10	QP		
5		647.8899	14.50	24.08	38.58	46.00	-7.42	QP		
6	!	809.8800	16.44	25.90	42.34	46.00	-3.66	QP		

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

Engineer Signature: Allen



Address: No. 5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Radiated Emission Measurement

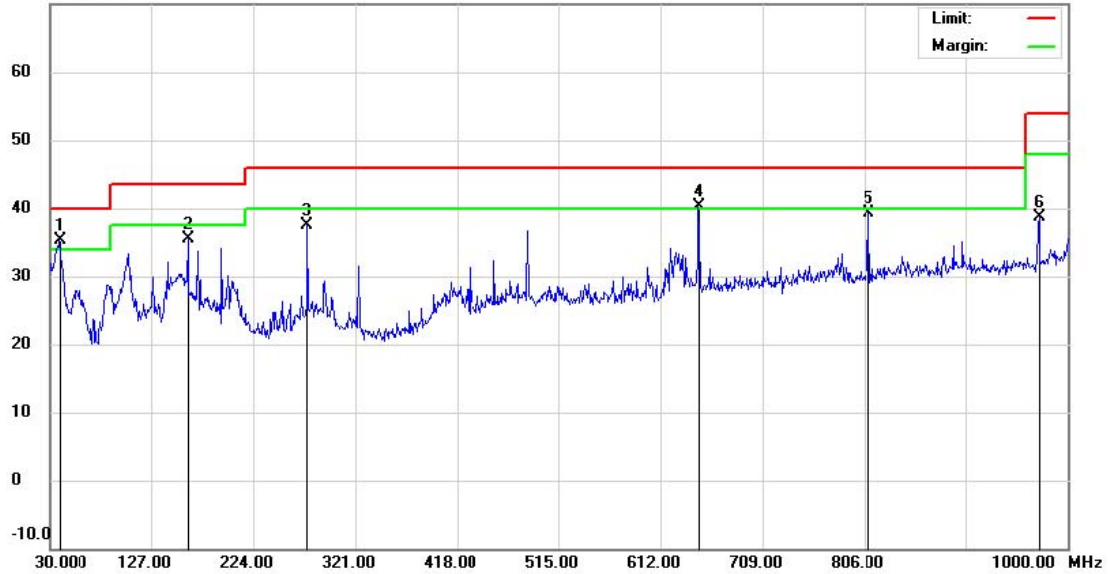
File: DS01

Data: #6

Date: 2012-5-4

Time: 16:42:03

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Vertical**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: AC 120V/60Hz

Humidity: 61 %

EUT: DVI Splitter Amplifier

Distance:

M/N: DS01

Mode: Running

Note: DVI:1600\*1200@60Hz

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	*	38.7300	17.38	17.85	35.23	40.00	-4.77	QP			
2		161.9200	18.27	17.26	35.53	43.50	-7.97	QP			
3		275.4100	18.21	19.22	37.43	46.00	-8.57	QP			
4	!	647.8900	16.17	24.08	40.25	46.00	-5.75	QP			
5		809.8799	13.43	25.90	39.33	46.00	-6.67	QP			
6		972.8400	10.59	28.19	38.78	54.00	-15.22	QP			

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

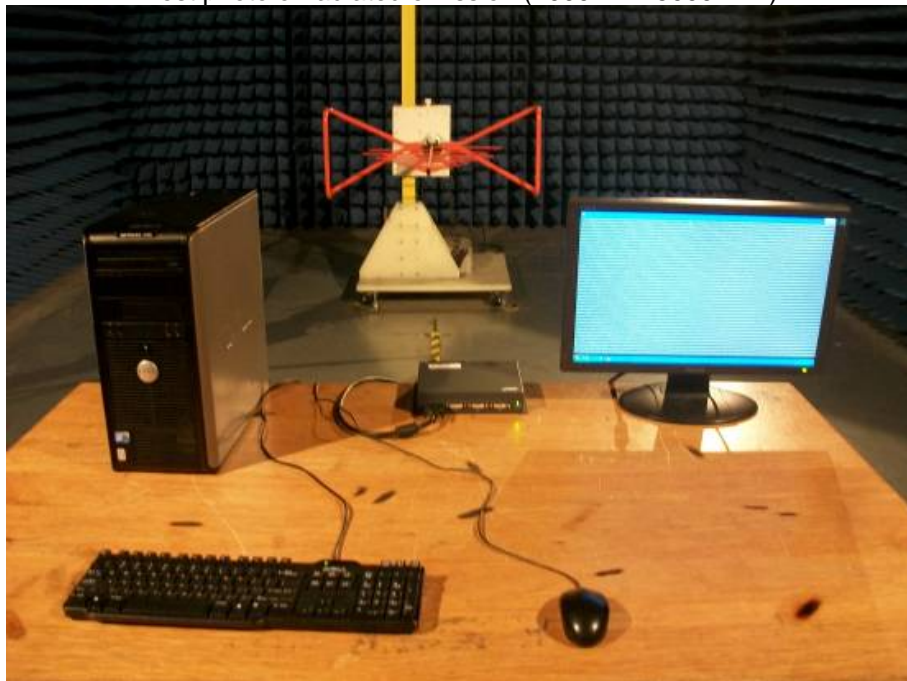
Engineer Signature:

Allen





Test photo of radiated emission (1000MHz-5000MHz)



Test photo of radiated emission (30MHz-1000MHz)



Test photo of Conducted emission







