



CERTIFICATE

Issued Date: Apr. 26, 2013
Report No.: 133452R-ITCEP11V03

This is to certify that the following designated product

Product : DLP Projector
Trade name : NEC
Model Number : NP-PH1400yyyy (y can be any character or blank)
Company Name : DELTA ELECTRONICS, INC.

This product, which has been issued the test report listed as above in QuieTek Laboratory, is based on a single evaluation of one sample and confirmed to comply with the requirements of the following EMC standard.

EN 55022:2010

EN 61000-3-2: 2006+A2: 2009

EN 61000-3-3: 2008

AS/NZS CISPR 22: 2009+A1: 2010

EN 55024: 2010

IEC 61000-4-2: 2008

IEC 61000-4-3: 2010

IEC 61000-4-4: 2012

IEC 61000-4-5: 2005

IEC 61000-4-6: 2008

IEC 61000-4-8: 2009

IEC 61000-4-11: 2004

TEST LABORATORY

Vincent Lin / Manager

CE Test Report

Product Name : DLP Projector

Model No. : NP-PH1400yyyy (y can be any character or blank)

Applicant : DELTA ELECTRONICS, INC.

Address : 3 TUNGYUAN RD CHUNGLI INDUSTRIAL ZONE
TAOYUAN COUNTY 32063 TAIWAN

Date of Receipt : 2013/03/19

Issued Date : 2013/04/26

Report No. : 133452R-ITCEP11V03

Report Version : V2.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF, NVLAP or any agency of the Government.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

CE Declaration of Conformity

We herewith confirm the following designated products to comply with the requirements set out in the Council Directive on the approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive (2004/108/EC) with applicable standards listed below.

Product : DLP Projector
Trade name : NEC
Model Number : NP-PH1400yyyy (y can be any character or blank)
Applicable Harmonized : EN 55022: 2010, Class A
Standards under Directive 2004/108/EC : EN 55024: 2010
EN 61000-3-2: 2006+A2: 2009
EN 61000-3-3: 2008
AS/NZS CISPR 22: 2009+A1: 2010

Company Name : _____
Company Address : _____
Telephone : _____ Facsimile : _____

Person in responsible for marking this declaration:

_____ Name (Full Name)	_____ Title/ Department
_____ Date	_____ Legal Signature

Date: Apr. 26, 2013
QTK No.: 133452R-ITCEP11V03

CE Statement of Conformity

This statement is to certify that the designated product below.

Product : DLP Projector
Trade name : NEC
Model Number : NP-PH1400yyyy (y can be any character or blank)
Company Name : DELTA ELECTRONICS, INC.
Applicable Standards : EN 55022: 2010, Class A
EN 55024: 2010
EN 61000-3-2: 2006+A2: 2009
EN 61000-3-3: 2008
AS/NZS CISPR 22: 2009+A1: 2010

One sample of the designated product has been tested and evaluated in our laboratory to find in compliance with the applicable standards above. The issued test report(s) show(s) it in detail.

Report Number : 133452R-ITCEP11V03

TEST LABORATORY



Vincent Lin / Manager

The verification is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. Logo.

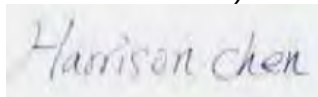
Test Report Certification

Issued Date : 2013/04/26
Report No. : 133452R-ITCEP11V03



Product Name : DLP Projector
Applicant : DELTA ELECTRONICS, INC.
Address : 3 TUNGYUAN RD CHUNG LI INDUSTRIAL ZONE
TAOYUAN COUNTY 32063 TAIWAN
Manufacturer : DELTA ELECTRONICS, INC.
Model No. : NP-PH1400yyyy (y can be any character or blank)
EUT Rated Voltage : AC 200-240V 50/60Hz
EUT Test Voltage : AC 230 V / 50 Hz
Trade Name : NEC
Applicable Standard : EN 55022: 2010, Class A
EN 55024: 2010
EN 61000-3-2:2006+A2: 2009
EN 61000-3-3:2008
AS/NZS CISPR 22: 2009+A1: 2010
Test Result : Complied
Performed Location : Quietek Corporation (Linkou Laboratory)
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Documented By : 
(Senior Engineering Adm. Specialist /
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Approved By : 
(Manager / Vincent Lin)

Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scopes:

Taiwan R.O.C.	:	BSMI, NCC, TAF
Norway	:	Nemko, DNV
USA	:	FCC, NVLAP
Japan	:	VCCI

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://www.quietek.com/tw/ctg/cts/accreditations.htm>
The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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1. General Information

1.1. EUT Description

Product Name	DLP Projector
Trade Name	NEC
Model No.	NP-PH1400yyyy (y can be any character or blank)

Component	
Power Cable	Non-shielded, 2.5m

1.2. Mode of Operation

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: D-SUB1 (1920*1200/60Hz) Mode 2: D-SUB1 (1600*1200/60Hz) Mode 3: D-SUB2 (1920*1200/60Hz) Mode 4: D-SUB3 (1920*1200/60Hz) Mode 5: HDMI 1080P (1920*1080/60Hz) Mode 6: Display Port 1080P (1920*1080/60Hz) Mode 7: USB play video (720P) with inner USB Mode 8: Video Color bar Mode 9: S-Video Color bar Mode 10: 3D DVI Mode 11: SDI	
Final Test Mode	
Emission	Mode 1: D-SUB1 (1920*1200/60Hz) Mode 2: D-SUB1 (1600*1200/60Hz) Mode 3: D-SUB2 (1920*1200/60Hz) Mode 4: D-SUB3 (1920*1200/60Hz) Mode 5: HDMI 1080P (1920*1080/60Hz) Mode 6: Display Port 1080P (1920*1080/60Hz) Mode 7: USB play video (720P) with inner USB Mode 8: Video Color bar Mode 9: S-Video Color bar Mode 10: 3D DVI Mode 11: SDI
Immunity	Mode 3: D-SUB2 (1920*1200/60Hz) Mode 11: SDI

1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

For EMI

Test Mode		Mode 1 ~ Mode 10			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Monitor	DELL	U2410	CN-0J257M-728-01I-04NL	Non-Shielded, 1.8m
2	PC	DELL	Vostro230	3R7Z62S	Non-Shielded, 1.8m
3	PC	N/A	N/A	N/A	Non-Shielded, 1.8m
4	PC	DELL	Vostro230	2R7Z62S	Non-Shielded, 1.8m
5	PC	DELL	Vostro230	1R7Z62S	Non-Shielded, 1.8m
6	FLASH 1GB	Pqi	U172P	BB55-B1G6R C084000200272	N/A
7	DVD PLAYER	Pioneer	DV-600AV	GHKD003418LS	Non-Shielded, 1.8m
8	Keyboard	Logitech	Y-UR83	SY848UK	N/A
9	USB Mouse	Logitech	M-BZ96C	LZ128HR	N/A
10	Keyboard	Logitech	Y-SAL85	SY927UK	N/A
11	Mouse	Logitech	M-SBM96B	810-000439	N/A
12	Keyboard	Logitech	Y-SAL85	SY917UK	N/A
13	Mouse	Logitech	M-SBM96B	810-000439	N/A
14	Keyboard	Logitech	Y-SAH83	SY848UK	N/A
15	Mouse	Logitech	M-SBM96B	810-000439	N/A
16	Notebook PC	DELL	D630	00144-023-351-283	Non-Shielded, 0.8m

For EMS

Test Mode		Mode 1 ~ Mode 10			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Monitor	DELL	U2410	CN-0J257M-728-01I-04NL	Non-Shielded, 1.8m
2	PC	N/A	N/A	N/A	Non-Shielded, 1.8m
3	PC	DELL	Vostro230	3R7Z62S	Non-Shielded, 1.8m
4	FLASH 1GB	Pqi	U172P	BB55-B1G6RC084000200272	N/A
5	DVD PLAYER	Pioneer	DV-600AV	GHKD003418LS	Non-Shielded, 1.8m
6	Keyboard	Logitech	Y-S0002	SY134UK	N/A
7	USB Mouse	Logitech	M-BZ96C	LZ128HR	N/A
8	Keyboard	Logitech	Y-S0002	SY134UK	N/A
9	Notebook PC	DELL	PP04X	7607342512	Non-Shielded, 0.8m

For EMI

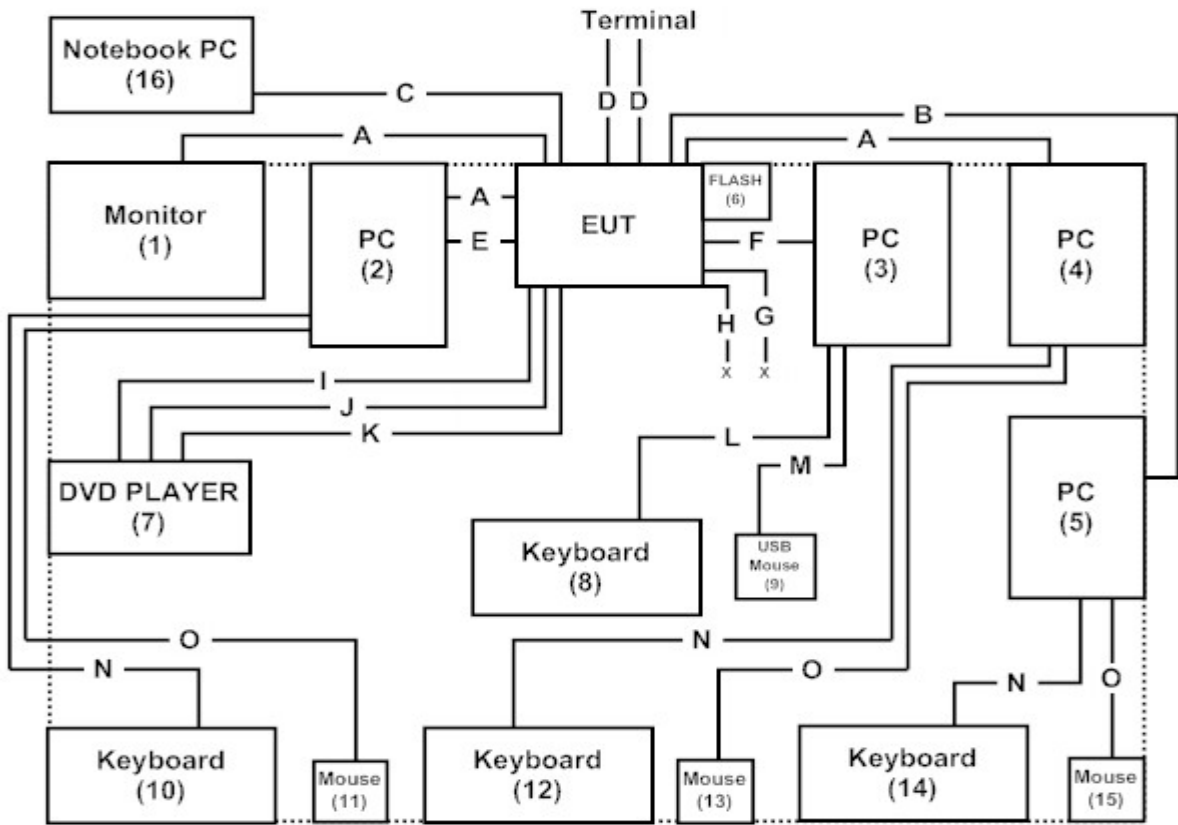
Test Mode		Mode 11			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Monitor	DELL	U2410	CN-0J257M-728-01I-04NL	Non-Shielded, 1.8m
2	PC	DELL	Vostro230	3R7Z62S	Non-Shielded, 1.8m
3	PC	N/A	N/A	N/A	Non-Shielded, 1.8m
4	PC	DELL	Vostro230	2R7Z62S	Non-Shielded, 1.8m
5	PC	DELL	Vostro230	1R7Z62S	Non-Shielded, 1.8m
6	FLASH 1GB	Pqi	U172P	BB55-B1G6R C084000200272	N/A
7	DVD PLAYER	Pioneer	DV-600AV	GHKD003418LS	Non-Shielded, 1.8m
8	Keyboard	Logitech	Y-UR83	SY848UK	N/A
9	USB Mouse	Logitech	M-BZ96C	LZ128HR	N/A
10	Keyboard	Logitech	Y-SAL85	SY927UK	N/A
11	Mouse	Logitech	M-SBM96B	810-000439	N/A
12	Keyboard	Logitech	Y-SAL85	SY917UK	N/A
13	Mouse	Logitech	M-SBM96B	810-000439	N/A
14	Keyboard	Logitech	Y-SAH83	SY848UK	N/A
15	Mouse	Logitech	M-SBM96B	810-000439	N/A
16	Notebook PC	DELL	D630	00144-023-351-283	Non-Shielded, 0.8m
17	TS-9980	R&S	N/A	N/A	Non-Shielded, 1.8m

For EMS

Test Mode		Mode 11			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Monitor	DELL	U2410	CN-0J257M-728-01I-04NL	Non-Shielded, 1.8m
2	PC	N/A	N/A	N/A	Non-Shielded, 1.8m
3	PC	DELL	Vostro230	3R7Z62S	Non-Shielded, 1.8m
4	FLASH 1GB	Pqi	U172P	BB55-B1G6RC084000200272	N/A
5	DVD PLAYER	Pioneer	DV-600AV	GHKD003418LS	Non-Shielded, 1.8m
6	Keyboard	Logitech	Y-S0002	SY134UK	N/A
7	USB Mouse	Logitech	M-BZ96C	LZ128HR	N/A
8	Keyboard	Logitech	Y-S0002	SY134UK	N/A
9	Notebook PC	DELL	PP04X	7607342512	Non-Shielded, 0.8m
10	USB Mouse	Logitech	M-BZ96C	LZ128HR	N/A
11	TS-9980	R&S	N/A	N/A	Non-Shielded, 1.8m

1.4. Configuration of Tested System

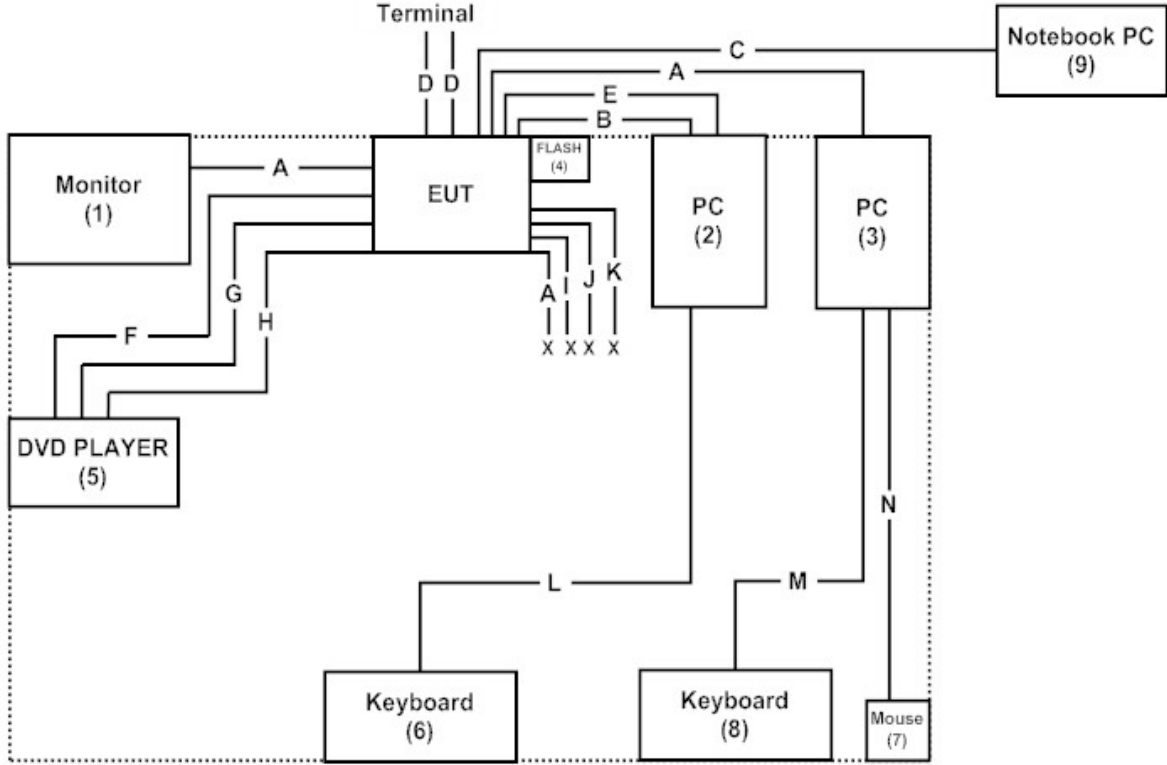
For EMI

Test Mode	Mode 1 ~ Mode 10																																																
Connection Diagram																																																	
																																																	
<table><tr><th colspan="2">Signal Cable Type</th><th>Signal cable Description</th></tr><tr><td>A</td><td>D-SUB Cable</td><td>Shielded, 1.8m, with two ferrite cores bonded, three PCS.</td></tr><tr><td>B</td><td>BNC to D-SUB Cable</td><td>Shielded, 1.8m, with two ferrite cores bonded</td></tr><tr><td>C</td><td>LAN Cable</td><td>Non-Shielded, 7.0m</td></tr><tr><td>D</td><td>Coaxial Cable</td><td>Shielded, 3.0m, two PCS.</td></tr><tr><td>E</td><td>Display Cable</td><td>Shielded, 1.8m</td></tr><tr><td>F</td><td>DVI Cable</td><td>Shielded, 1.8m, with two ferrite cores bonded</td></tr><tr><td>G</td><td>RS-232 Cable</td><td>Shielded, 1.5m</td></tr><tr><td>H</td><td>Audio Cable</td><td>Non-Shielded, 1.6m</td></tr><tr><td>I</td><td>HDMI Cable</td><td>Shielded, 1.6m</td></tr><tr><td>J</td><td>S-Video Cable</td><td>Shielded, 1.6m</td></tr><tr><td>K</td><td>BNC to RCA Cable</td><td>Non-Shielded, 1.5m</td></tr><tr><td>L</td><td>USB Keyboard Cable</td><td>Shielded, 1.8m</td></tr><tr><td>M</td><td>USB Mouse Cable</td><td>Shielded, 1.8m</td></tr><tr><td>N</td><td>PS/2 Keyboard Cable</td><td>Shielded, 1.8m, three PCS.</td></tr><tr><td>O</td><td>PS/2 Mouse Cable</td><td>Shielded, 1.8m, three PCS.</td></tr></table>		Signal Cable Type		Signal cable Description	A	D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded, three PCS.	B	BNC to D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded	C	LAN Cable	Non-Shielded, 7.0m	D	Coaxial Cable	Shielded, 3.0m, two PCS.	E	Display Cable	Shielded, 1.8m	F	DVI Cable	Shielded, 1.8m, with two ferrite cores bonded	G	RS-232 Cable	Shielded, 1.5m	H	Audio Cable	Non-Shielded, 1.6m	I	HDMI Cable	Shielded, 1.6m	J	S-Video Cable	Shielded, 1.6m	K	BNC to RCA Cable	Non-Shielded, 1.5m	L	USB Keyboard Cable	Shielded, 1.8m	M	USB Mouse Cable	Shielded, 1.8m	N	PS/2 Keyboard Cable	Shielded, 1.8m, three PCS.	O	PS/2 Mouse Cable	Shielded, 1.8m, three PCS.
Signal Cable Type		Signal cable Description																																															
A	D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded, three PCS.																																															
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N	PS/2 Keyboard Cable	Shielded, 1.8m, three PCS.																																															
O	PS/2 Mouse Cable	Shielded, 1.8m, three PCS.																																															

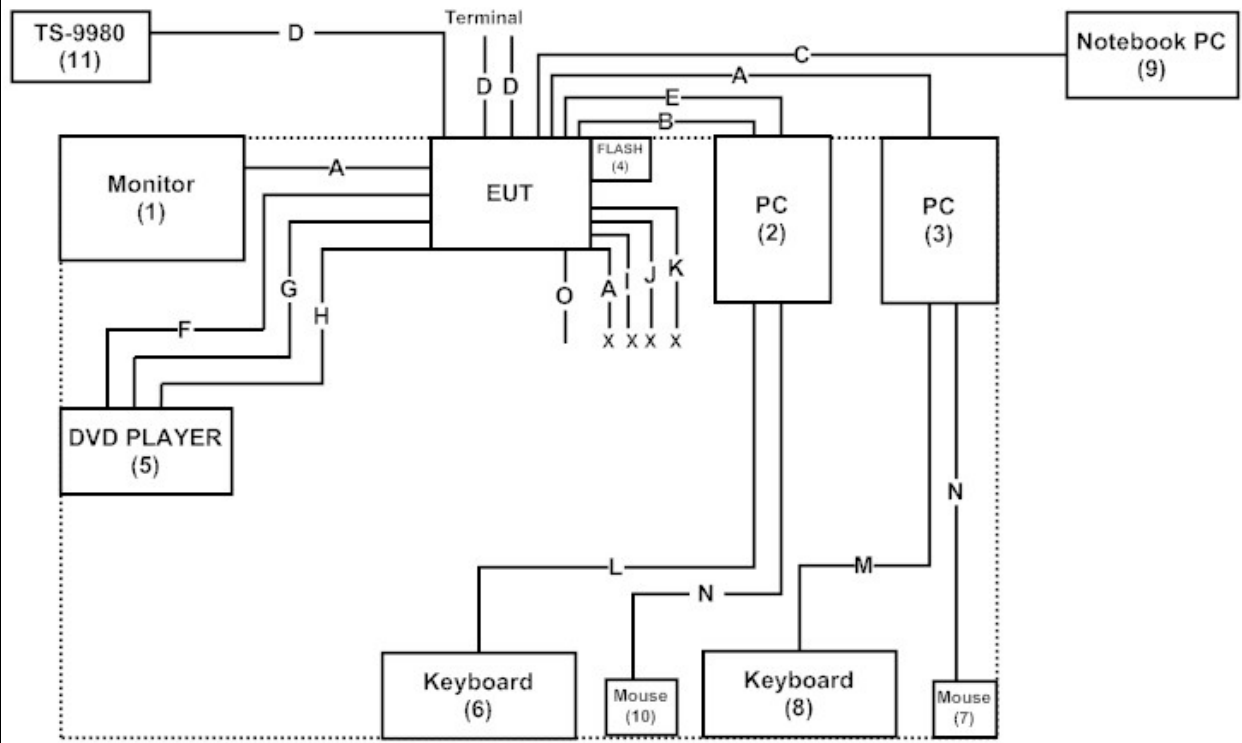
For EMI

Test Mode		Mode 11
Connection Diagram		
The diagram illustrates the setup for EMI testing. A central EUT is connected to various peripherals and test equipment. Connections are as follows: Notebook PC (16) to EUT via C; Monitor (1) to EUT via A; PC (2) to EUT via A and E; DVD PLAYER (7) to EUT via I and J; Keyboard (10) to EUT via N; Mouse (11) to EUT via O; Keyboard (12) to EUT via N; Mouse (13) to EUT via O; Keyboard (14) to EUT via N; Mouse (15) to EUT via O; PC (3) to EUT via A and B; PC (4) to EUT via A; PC (5) to EUT via N and O; Keyboard (8) to EUT via L; USB Mouse (9) to EUT via M; FLASH (6) to EUT via F; TS-9980 (17) to EUT via D; and a Terminal to EUT via D. The EUT also has internal connections P, H, G, and X.		
Signal Cable Type	Signal cable Description	
A	D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded, three PCS.
B	BNC to D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded
C	LAN Cable	Non-Shielded, 7.0m
D	Coaxial Cable	Shielded, 3.0m, three PCS.
E	Display Cable	Shielded, 1.8m
F	DVI Cable	Shielded, 1.8m, with two ferrite cores bonded
G	RS-232 Cable	Shielded, 1.5m
H	Audio Cable	Non-Shielded, 1.6m
I	HDMI Cable	Shielded, 1.6m
J	S-Video Cable	Shielded, 1.6m
K	BNC to RCA Cable	Non-Shielded, 1.5m
L	USB Keyboard Cable	Shielded, 1.8m
M	USB Mouse Cable	Shielded, 1.8m
N	PS/2 Keyboard Cable	Shielded, 1.8m, three PCS.
O	PS/2 Mouse Cable	Shielded, 1.8m, three PCS.
P	Coaxial Cable	Shielded, 2.0m

For EMS

Test Mode		Mode 1 ~ Mode 10
Connection Diagram		
		
Signal Cable Type		Signal cable Description
A	D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded, three PCS.
B	Display Cable	Shielded, 1.8m
C	LAN Cable	Non-Shielded, 7.0m
D	Coaxial Cable	Shielded, 3.0m, two PCS.
E	DVI Cable	Shielded, 1.8m, with two ferrite cores bonded
F	HDMI Cable	Shielded, 1.6m
G	S-Video Cable	Shielded, 1.6m
H	BNC to RCA Cable	Non-Shielded, 1.5m
I	BNC to D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded
J	RS-232 Cable	Shielded, 1.5m
K	Audio Cable	Non-Shielded, 1.6m
L	PS/2 Keyboard Cable	Shielded, 1.8m
M	USB Keyboard Cable	Shielded, 1.8m
N	USB Mouse Cable	Shielded, 1.8m

For EMS

Test Mode		Mode 11
Connection Diagram		
		
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F	HDMI Cable	Shielded, 1.6m
G	S-Video Cable	Shielded, 1.6m
H	BNC to RCA Cable	Non-Shielded, 1.5m
I	BNC to D-SUB Cable	Shielded, 1.8m, with two ferrite cores bonded
J	RS-232 Cable	Shielded, 1.5m
K	Audio Cable	Non-Shielded, 1.6m
L	PS/2 Keyboard Cable	Shielded, 1.8m
M	USB Keyboard Cable	Shielded, 1.8m
N	USB Mouse Cable	Shielded, 1.8m, two PCS.
O	Coaxial Cable	Shielded, 2.0m

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4.
2	Turn on the power of all equipment.
3	According to the user manual choose display mode and adjust resolution.
4	The DLP Projector (EUT) will start to operate and display the video figure from the signal source.
5	Adjust the DLP Projector (EUT) display brightness and contrast to maximum level.
6	Start to test till get the worst reading.
7	Repeat the above procedure (3) to (6).

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
- ☐ Deviations from the test standards as below description:

Emission			
Performed Item	Normative References	Test Performed	Deviation
Conducted Emission	EN 55022: 2010 AS/NZS CISPR 22: 2009+A1: 2010	Yes	No
Impedance Stabilization Network	EN 55022: 2010 AS/NZS CISPR 22: 2009+A1: 2010	Yes	No
Radiated Emission	EN 55022: 2010 AS/NZS CISPR 22: 2009+A1: 2010	Yes	No
Power Harmonics	EN 61000-3-2:2006+A2: 2009	Yes	No
Voltage Fluctuation and Flicker	EN 61000-3-3:2008	Yes	No

Immunity			
Performed Item	Normative References	Test Performed	Deviation
Electrostatic Discharge	IEC 61000-4-2: 2008	Yes	No
Radiated susceptibility	IEC 61000-4-3: 2010	Yes	No
Electrical fast transient/burst	IEC 61000-4-4: 2012	Yes	No
Surge	IEC 61000-4-5: 2005	Yes	No
Conducted susceptibility	IEC 61000-4-6: 2008	Yes	No
Power frequency magnetic field	IEC 61000-4-8: 2009	Yes	No
Voltage dips and interruption	IEC 61000-4-11: 2004	Yes	No

2.2. List of Test Equipment

Conducted Emission / SR1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESCS 30	838251/001	2012/06/05
LISN	R&S	ENV216	100085	2013/01/30
LISN	R&S	ESH3-Z5	836679/023	2013/01/30
Pulse Limiter	R&S	ESH3-Z2	357.8810.52-1	2012/09/20
Coaxial Cable	QTK(Arnist)	RG 400	LC005-RG400	2013/01/09

Impedance Stabilization Network / SR1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Capacitive Voltage Probe	Schaffner	CVP2200A	18331	2012/11/19
EMI Test Receiver	R&S	ESCS 30	838251/001	2012/06/05
LISN	R&S	ENV216	100085	2013/01/30
LISN	R&S	ESH3-Z5	836679/023	2013/01/30
Pulse Limiter	R&S	ESH3-Z2	357.8810.52-1	2012/09/20
RF Current Probe	FCC	F-65 10KHz~1GHz	198	2012/10/12
Coaxial Cable	QTK(Arnist)	RG 400	LC005-RG400	2013/01/09
Coupling Decoupling Network	Teseq	CDN ST08A	33993	2012/08/09
Coupling Decoupling Network	Teseq	CDN T800	30854	2012/08/06
BALANCED TELECOM ISN	FCC	FCC-TLISN-T2-02	20316	2012/07/22

Radiated Emission / Site4

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2929	2012/07/14
EMI Test Receiver	R&S	ESCS 30	825442/018	2012/12/12
Coaxial Cable	QTK(Arnist)	RG 214	LC004-RG	2012/06/29
Coaxial Switch	Arnist	MP59B	6200615653	2012/06/29
Site4 NSA	QTK	N/A	N/A	2012/06/29

Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESU	100433	2012/07/24
Horn Antenna	ETS-Lindgren	3117	00135205	2013/03/29
Horn Antenna	SCHWARZBECK	9120D	576	2012/11/19
Pre-Amplifier	Quietek	AP-180C	CHM/071920	2012/06/27
CB7 VSWR	QTK	N/A	N/A	2012/07/25

Power Harmonics / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
AC Power Source(Harmonic)	Schaffner	NSG 1007	HK54148	2012/09/13
IEC1000-4-X Analyzer(Flicker)	Schaffner	CCN 1000-1	X7 1887	2012/09/13

Voltage Fluctuation and Flicker / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
AC Power Source(Harmonic)	Schaffner	NSG 1007	HK54148	2012/09/13
IEC1000-4-X Analyzer(Flicker)	Schaffner	CCN 1000-1	X7 1887	2012/09/13

Electrostatic Discharge / SR6

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
ESD Simulator System	Noiseken	TC-815R	ESS0929097	2012/06/21
Horizontal Coupling Plane(HCP)	QuieTek	HCP AL50	N/A	N/A
Vertical Coupling Plane(VCP)	QuieTek	VCP AL50	N/A	N/A

Radiated susceptibility / CB5

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
AF-BOX	R&S	AF-BOX ACCUST	100007	N/A
Audio Analyzer	R&S	UPL 16	100137	2012/05/15
Biconilog Antenna	EMCO	3149	00071675	N/A
Directional Coupler	A&R	DC 6180	22735	N/A
Power Amplifier	A&R	30S1G3	309453	N/A
Power Amplifier	A&R	100W10000M7	A285000010	N/A
Power Amplifier	SCHAFFNER	CBA9413B	4020	N/A
Power Amplifier	AR	75A250A	0325371	N/A
Power Meter	R&S	NRVD(P.M)	100219	2012/05/18
Pre-Amplifier	A&R	150A220	23067	N/A
Signal Generator	R&S	SMT03	100170	2012/05/16
uniform field calibration	QTK	N/A	N/A	2012/05/20

Electrical fast transient/burst / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
TRANSIENT TEST SYSTEM	EMC PARTNER	TRA2000IN6	1138	2012/11/30

Surge / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
TRANSIENT TEST SYSTEM	EMC PARTNER	TRA2000IN6	1138	2012/11/30

Conducted susceptibility / SR6

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Schaffner NSG 2070 RF-Generator	Schaffner	N/A	N/A	2012/05/18

Power frequency magnetic field / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Induction Coil Interface	Schaffner	INA 2141	6002	N/A
Magnetic Loop Coil	Schaffner	INA 702	160	N/A

Voltage dips and interruption / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
TRANSIENT TEST SYSTEM	EMC PARTNER	TRA2000IN6	1138	2012/11/30

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 2.26 dB.

Impedance Stabilization Network

The measurement uncertainty is evaluated as ± 2.26 dB.

Radiated Emission

The measurement uncertainty is evaluated as ± 3.19 dB.

Harmonic Current Emission

The measurement uncertainty is evaluated as 5.1 (mA/A).

Voltage Fluctuation and Flicker

The measurement uncertainty is evaluated as 0.6 (mV/V).

Electrostatic Discharge

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in ESD testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant ESD standards. The immunity test signal from the ESD system meet the required specifications in IEC 61000-4-2 through the calibration report with the calibrated uncertainty for the waveform of current and timing as being 7.8 % and 3.2%.

Radiated susceptibility

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in RS testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant RS standards. The immunity test signal from the RS system meet the required specifications in IEC 61000-4-3 through the calibration for the uniform field strength and monitoring for the test level with the uncertainty evaluation report for the electrical field strength as being 3.57 dB.

Electrical fast transient/burst

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in EFT/Burst testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant EFT/Burst standards. The immunity test signal from the EFT/Burst system meet the required specifications in IEC 61000-4-4 through the calibration report with the calibrated uncertainty for the waveform of voltage and timing as being 8.3 % and 5.4%.

Surge

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in Surge testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant Surge standards. The immunity test signal from the Surge system meet the required specifications in IEC

61000-4-5 through the calibration report with the calibrated uncertainty for the waveform of voltage and timing as being 4.4 % and 5.9%.

Conducted susceptibility

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in CS testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant CS standards. The immunity test signal from the CS system meet the required specifications in IEC 61000-4-6 through the calibration for unmodulated signal and monitoring for the test level with the uncertainty evaluation report for the injected modulated signal level through CDN and EM Clamp/Direct Injection as being 2.0 dB and 2.61 dB.

Power frequency magnetic field

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in PFM testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant PFM standards. The immunity test signal from the PFM system meet the required specifications in IEC 61000-4-8 through the calibration report with the calibrated uncertainty for the Gauss Meter to verify the output level of magnetic field strength as being 1.0 %.

Voltage dips and interruption

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in DIP testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant DIP standards. The immunity test signal from the DIP system meet the required specifications in IEC 61000-4-11 through the calibration report with the calibrated uncertainty for the waveform of voltage and timing as being 1.6 % and 2.8%.

2.4. Test Environment

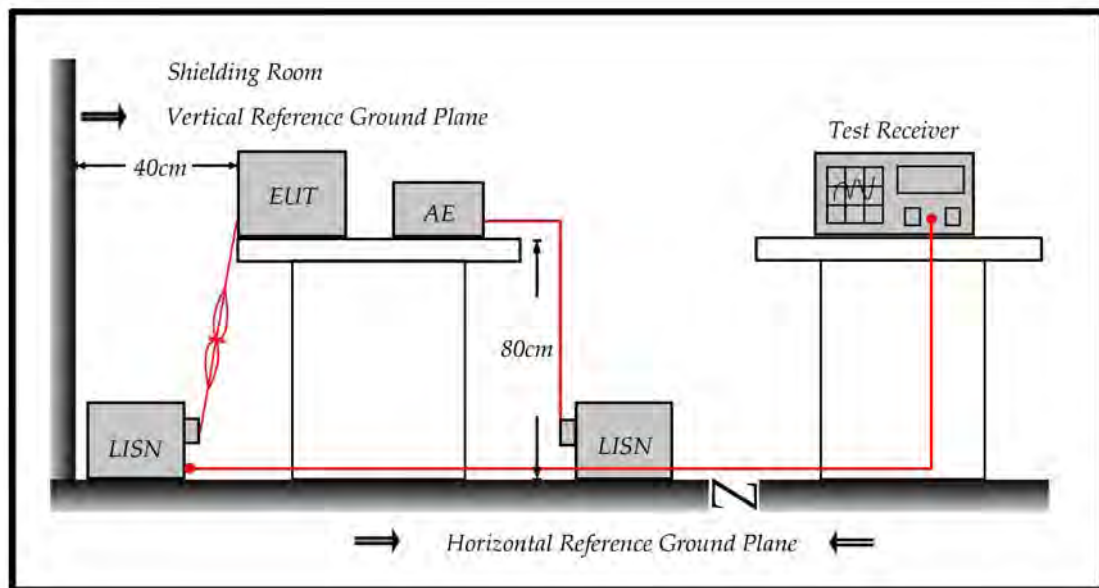
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	23
	Humidity (%RH)	25-75	56
	Barometric pressure (mbar)	860-1060	950-1000
Impedance Stabilization Network	Temperature (°C)	15-35	23
	Humidity (%RH)	25-75	56
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	18
	Humidity (%RH)	25-75	73
	Barometric pressure (mbar)	860-1060	950-1000
Electrostatic Discharge	Temperature (°C)	15-35	21
	Humidity (%RH)	30-60	51
	Barometric pressure (mbar)	860-1060	950-1000
Radiated susceptibility	Temperature (°C)	15-35	21
	Humidity (%RH)	25-75	52
	Barometric pressure (mbar)	860-1060	950-1000
Electrical fast transient/burst	Temperature (°C)	15-35	21
	Humidity (%RH)	25-75	51
	Barometric pressure (mbar)	860-1060	950-1000
Surge	Temperature (°C)	15-35	21
	Humidity (%RH)	10-75	51
	Barometric pressure (mbar)	860-1060	950-1000
Conducted susceptibility	Temperature (°C)	15-35	22
	Humidity (%RH)	25-75	53
	Barometric pressure (mbar)	860-1060	950-1000
Power frequency magnetic field	Temperature (°C)	15-35	21
	Humidity (%RH)	25-75	50
	Barometric pressure (mbar)	860-1060	950-1000
Voltage dips and interruption	Temperature (°C)	15-35	21
	Humidity (%RH)	25-75	51
	Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission (Main Terminals)

3.1. Test Specification

According to EMC Standard : EN 55022 and AS/NZS CISPR 22

3.2. Test Setup



3.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	79	66
0.50-5.0	73	60
5.0 - 30	73	60

Remarks: In the above table, the tighter limit applies at the band edges.

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.

(Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

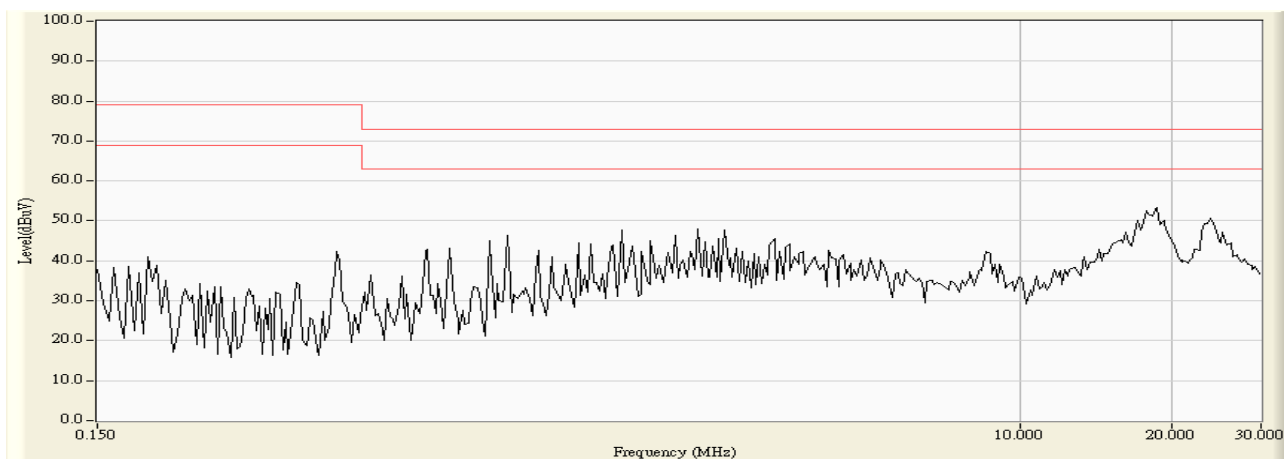
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Deviation from Test Standard

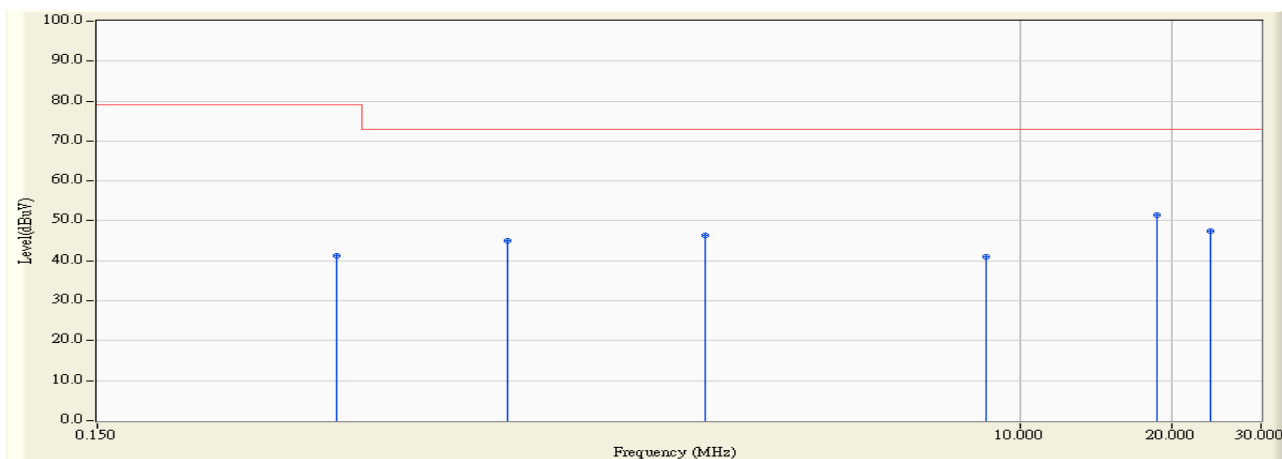
No deviation.

3.6. Test Result

Site : SR1	Time : 2013/03/20 - 15:54
Limit : CISPR_A_00M_QP	Margin : 10
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 1



Site : SR1	Time : 2013/03/20 - 15:55
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 1

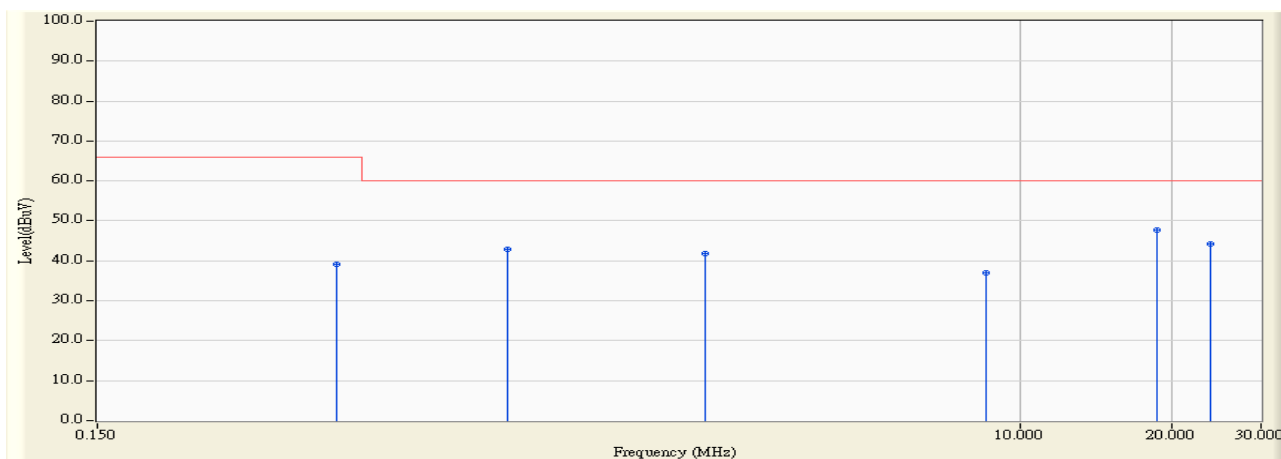


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.662	31.510	41.172	-37.828	79.000	QUASIPeAK
2		0.970	9.674	35.500	45.174	-27.826	73.000	QUASIPeAK
3		2.384	9.726	36.530	46.256	-26.744	73.000	QUASIPeAK
4		8.603	10.005	31.080	41.085	-31.915	73.000	QUASIPeAK
5	*	18.634	10.273	41.320	51.593	-21.407	73.000	QUASIPeAK
6		23.779	10.402	37.160	47.562	-25.438	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 15:55
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 1

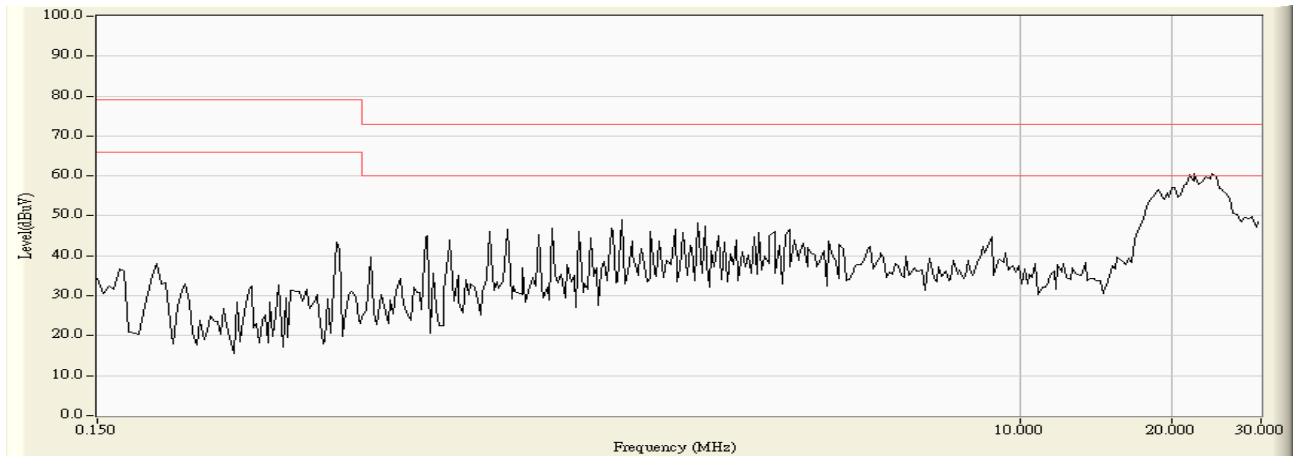


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.662	29.450	39.112	-26.888	66.000	AVERAGE
2		0.970	9.674	33.110	42.784	-17.216	60.000	AVERAGE
3		2.384	9.726	32.150	41.876	-18.124	60.000	AVERAGE
4		8.603	10.005	26.930	36.935	-23.065	60.000	AVERAGE
5	*	18.634	10.273	37.510	47.783	-12.217	60.000	AVERAGE
6		23.779	10.402	33.880	44.282	-15.718	60.000	AVERAGE

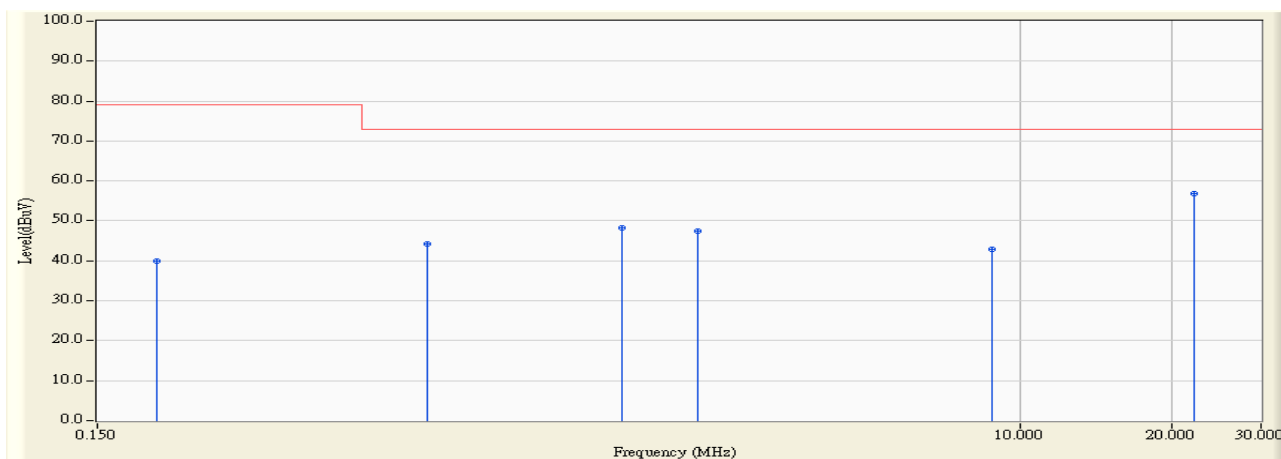
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 15:55
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 1



Site : SR1	Time : 2013/03/20 - 15:56
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 1

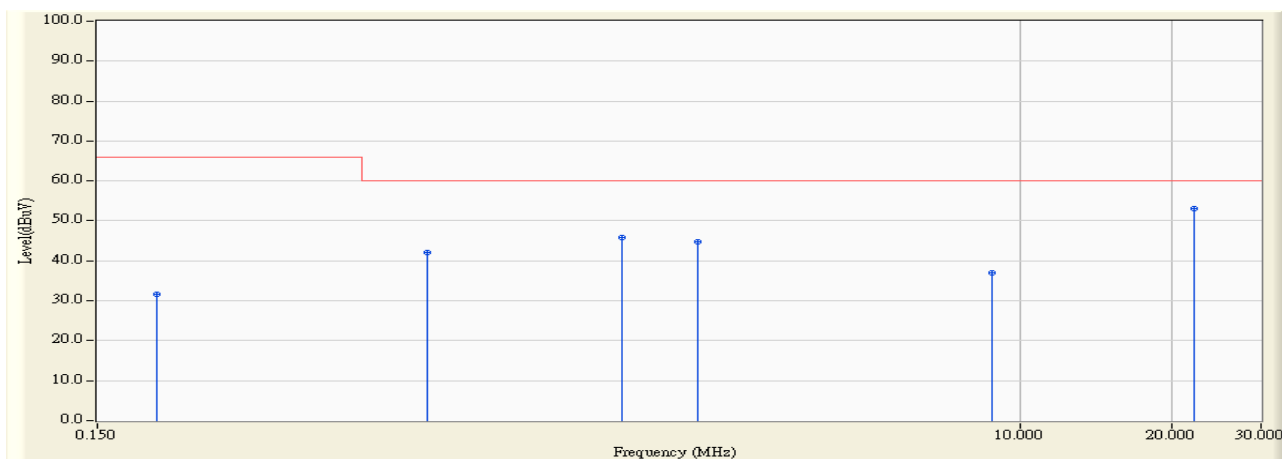


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	9.661	30.240	39.901	-39.099	79.000	QUASIPeAK
2		0.673	9.663	34.660	44.323	-28.677	73.000	QUASIPeAK
3		1.638	9.697	38.500	48.197	-24.803	73.000	QUASIPeAK
4		2.314	9.713	37.630	47.343	-25.657	73.000	QUASIPeAK
5		8.798	10.010	32.810	42.820	-30.180	73.000	QUASIPeAK
6	*	22.142	10.362	46.510	56.872	-16.128	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 15:56
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 1

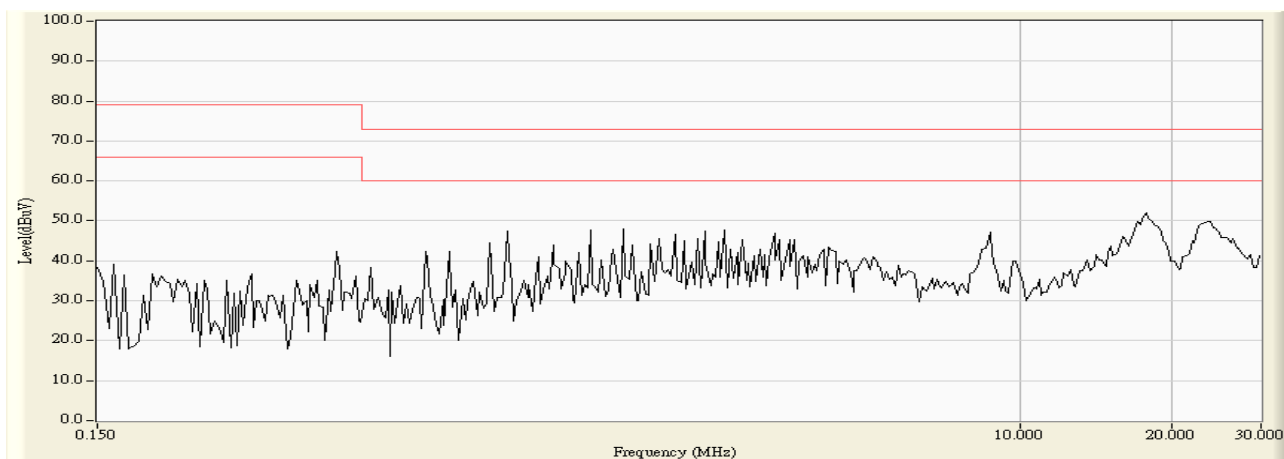


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.197	9.661	21.980	31.641	-34.359	66.000	AVERAGE
2		0.673	9.663	32.310	41.973	-18.027	60.000	AVERAGE
3		1.638	9.697	36.050	45.747	-14.253	60.000	AVERAGE
4		2.314	9.713	35.000	44.713	-15.287	60.000	AVERAGE
5		8.798	10.010	26.870	36.880	-23.120	60.000	AVERAGE
6	*	22.142	10.362	42.780	53.142	-6.858	60.000	AVERAGE

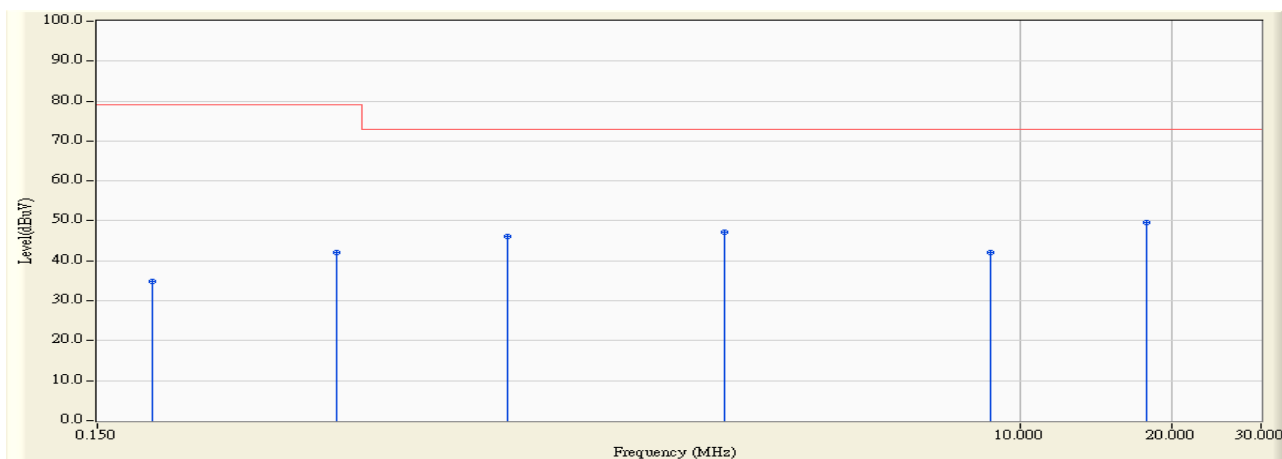
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:41
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 2



Site : SR1	Time : 2013/03/20 - 16:41
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 2

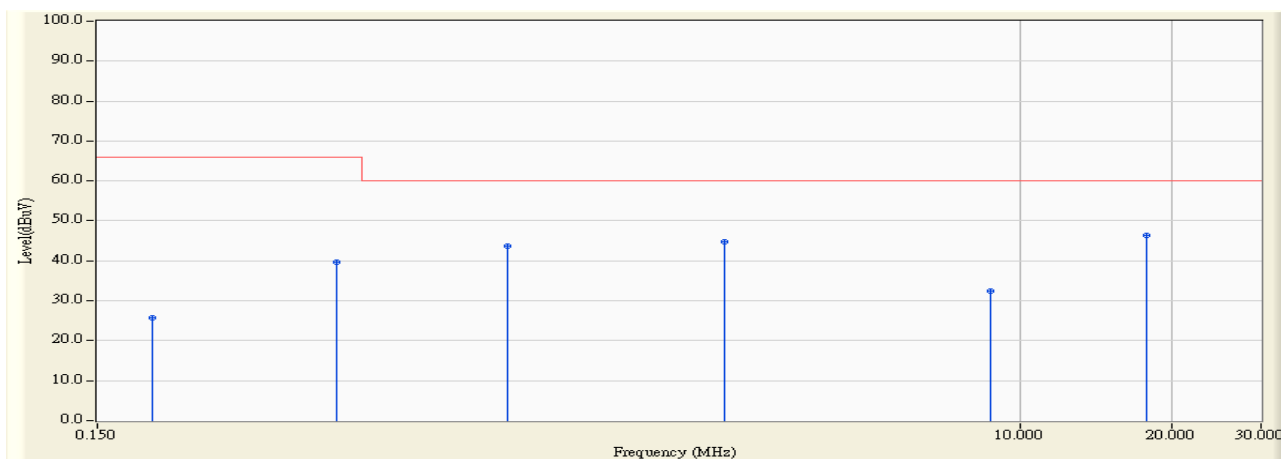


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.193	9.552	25.430	34.982	-44.018	79.000	QUASIPeAK
2		0.447	9.572	32.440	42.012	-36.988	79.000	QUASIPeAK
3		0.970	9.564	36.630	46.194	-26.806	73.000	QUASIPeAK
4		2.611	9.613	37.580	47.193	-25.807	73.000	QUASIPeAK
5		8.752	9.969	32.060	42.029	-30.971	73.000	QUASIPeAK
6	*	17.822	10.435	39.190	49.625	-23.375	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:41
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 2

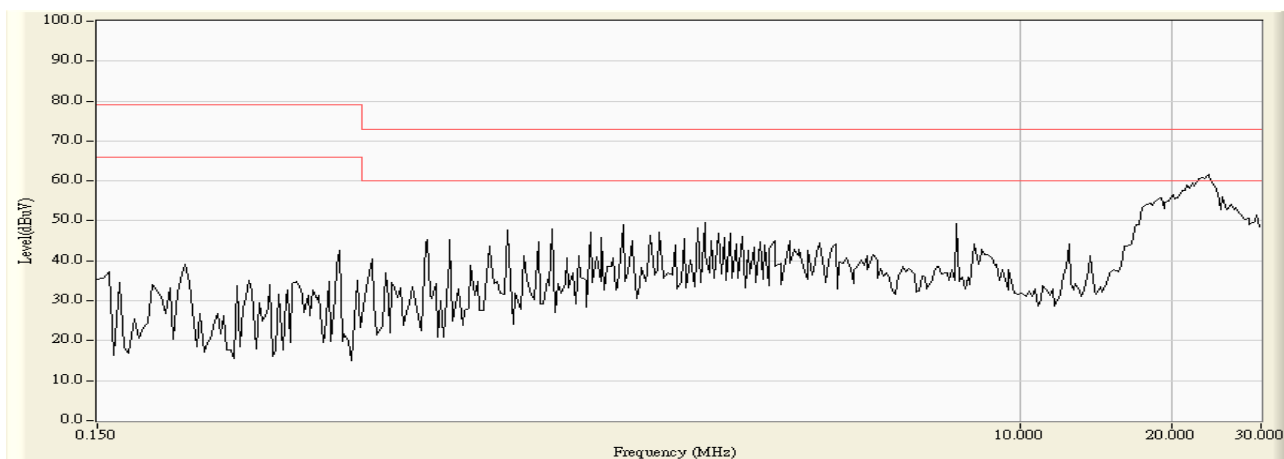


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.193	9.552	16.160	25.712	-40.288	66.000	AVERAGE
2		0.447	9.572	30.010	39.582	-26.418	66.000	AVERAGE
3		0.970	9.564	34.230	43.794	-16.206	60.000	AVERAGE
4		2.611	9.613	35.240	44.853	-15.147	60.000	AVERAGE
5		8.752	9.969	22.420	32.389	-27.611	60.000	AVERAGE
6	*	17.822	10.435	35.950	46.385	-13.615	60.000	AVERAGE

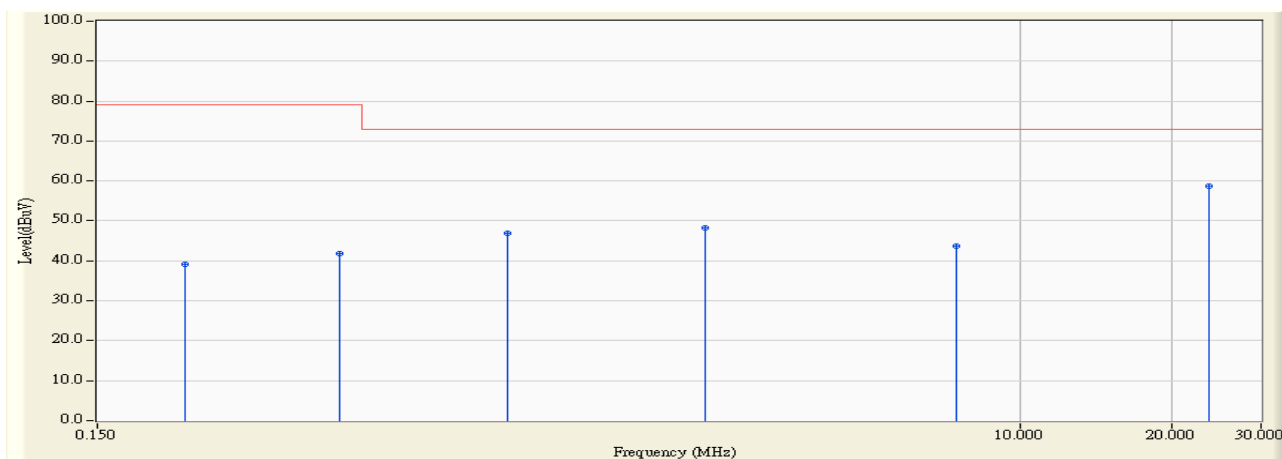
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:39
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 2



Site : SR1	Time : 2013/03/20 - 16:40
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 2

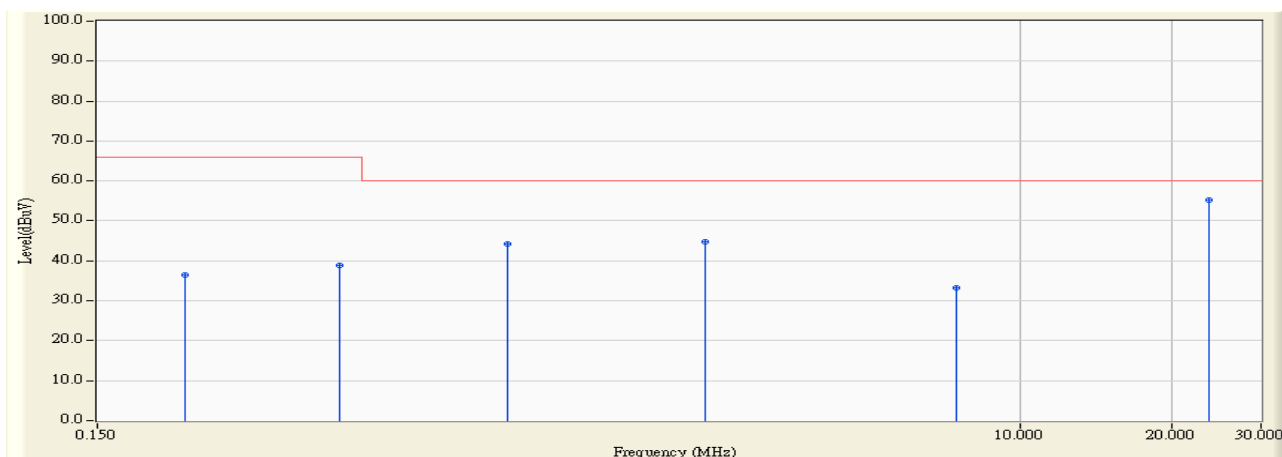


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.224	9.583	29.460	39.043	-39.957	79.000	QUASIPeAK
2		0.451	9.582	32.230	41.812	-37.188	79.000	QUASIPeAK
3		0.970	9.584	37.290	46.874	-26.126	73.000	QUASIPeAK
4		2.384	9.626	38.620	48.246	-24.754	73.000	QUASIPeAK
5		7.498	9.930	33.710	43.640	-29.360	73.000	QUASIPeAK
6	*	23.641	10.770	47.840	58.610	-14.390	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:40
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 2

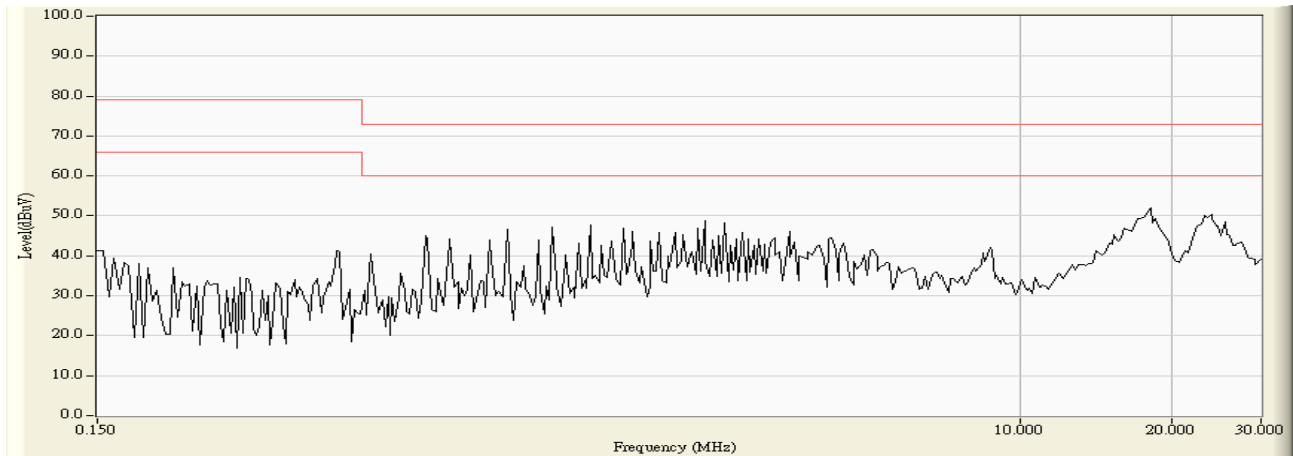


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.224	9.583	26.800	36.383	-29.617	66.000	AVERAGE
2		0.451	9.582	29.360	38.942	-27.058	66.000	AVERAGE
3		0.970	9.584	34.550	44.134	-15.866	60.000	AVERAGE
4		2.384	9.626	35.160	44.786	-15.214	60.000	AVERAGE
5		7.498	9.930	23.350	33.280	-26.720	60.000	AVERAGE
6	*	23.641	10.770	44.550	55.320	-4.680	60.000	AVERAGE

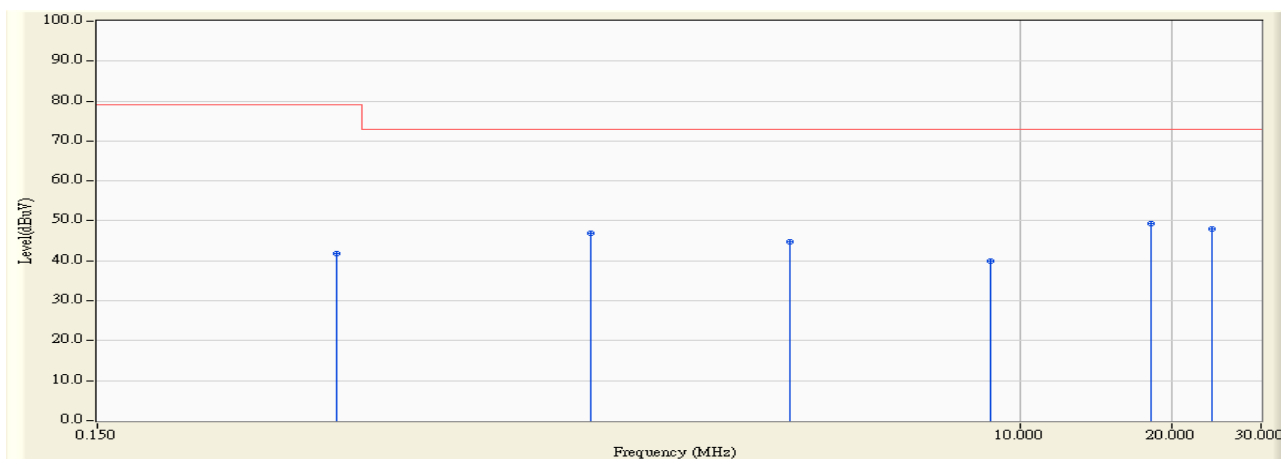
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 17:05
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 3



Site : SR1	Time : 2013/03/20 - 17:05
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 3

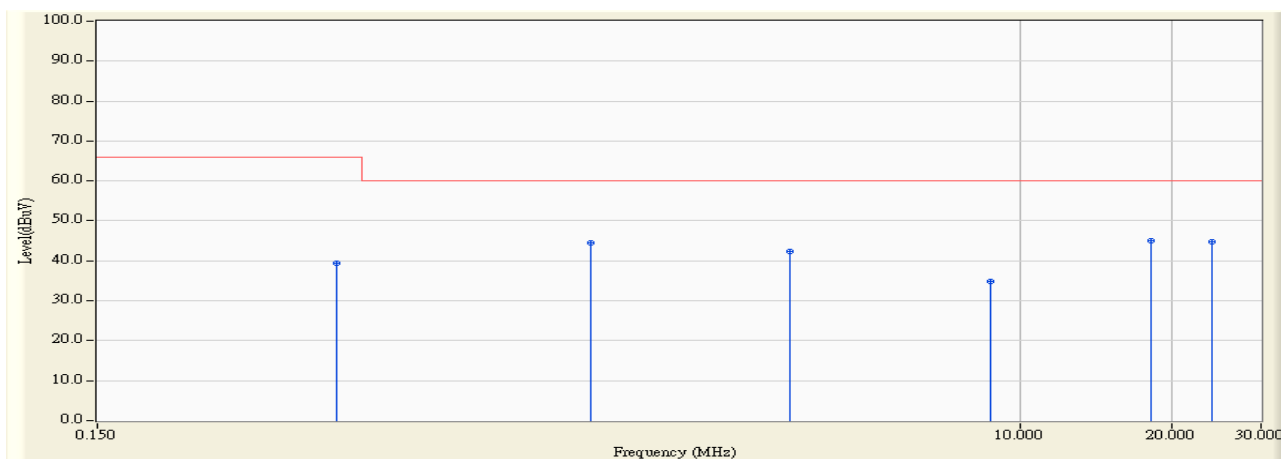


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.572	32.320	41.892	-37.108	79.000	QUASIPeAK
2		1.416	9.576	37.280	46.856	-26.144	73.000	QUASIPeAK
3		3.505	9.661	35.110	44.771	-28.229	73.000	QUASIPeAK
4		8.728	9.968	30.080	40.048	-32.952	73.000	QUASIPeAK
5	*	18.123	10.462	38.940	49.402	-23.598	73.000	QUASIPeAK
6		23.939	10.665	37.390	48.055	-24.945	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 17:05
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 3

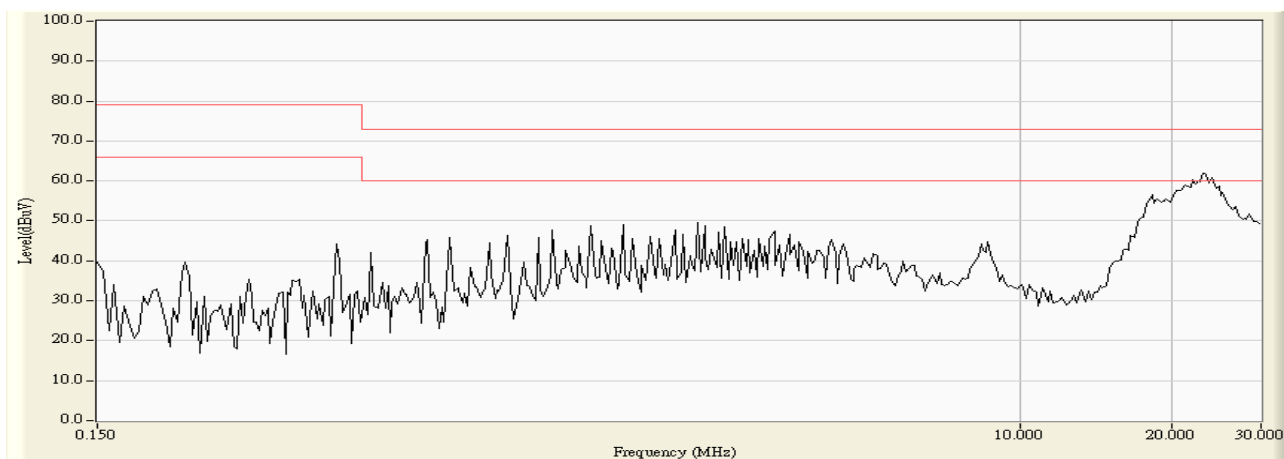


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.572	29.880	39.452	-26.548	66.000	AVERAGE
2		1.416	9.576	34.820	44.396	-15.604	60.000	AVERAGE
3		3.505	9.661	32.590	42.251	-17.749	60.000	AVERAGE
4		8.728	9.968	24.930	34.898	-25.102	60.000	AVERAGE
5	*	18.123	10.462	34.700	45.162	-14.838	60.000	AVERAGE
6		23.939	10.665	34.170	44.835	-15.165	60.000	AVERAGE

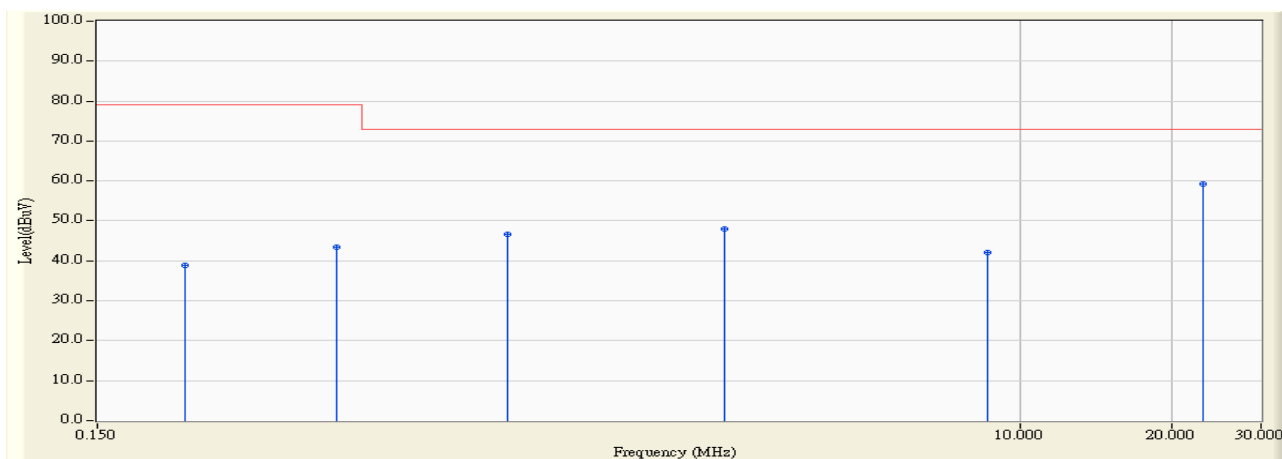
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 17:06
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 3



Site : SR1	Time : 2013/03/20 - 17:07
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 3

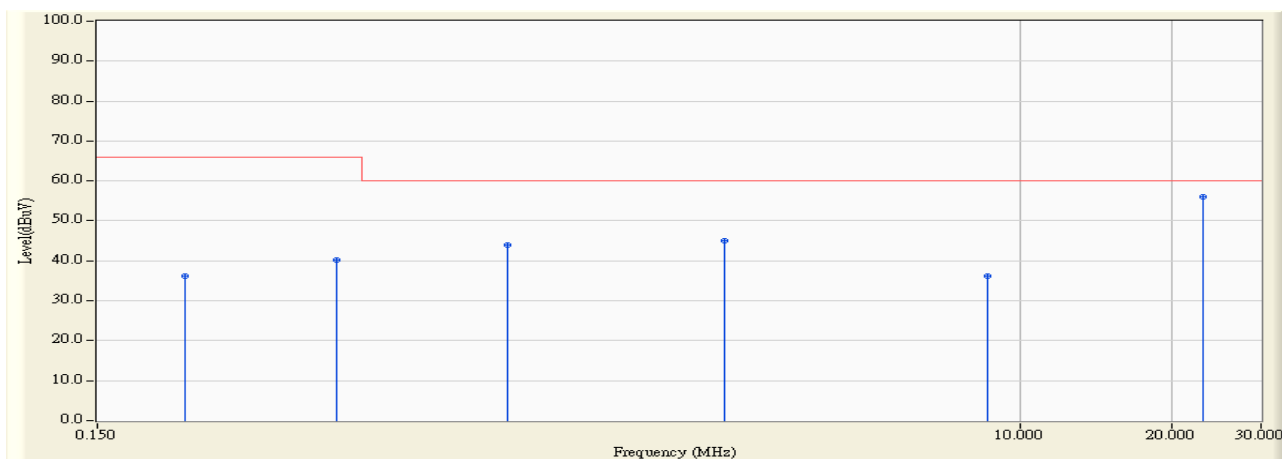


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.224	9.583	29.340	38.923	-40.077	79.000	QUASIPeAK
2		0.447	9.582	33.740	43.322	-35.678	79.000	QUASIPeAK
3		0.970	9.584	37.050	46.634	-26.366	73.000	QUASIPeAK
4		2.611	9.641	38.250	47.890	-25.110	73.000	QUASIPeAK
5		8.666	9.997	32.140	42.137	-30.863	73.000	QUASIPeAK
6	*	23.041	10.759	48.490	59.249	-13.751	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 17:07
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 3

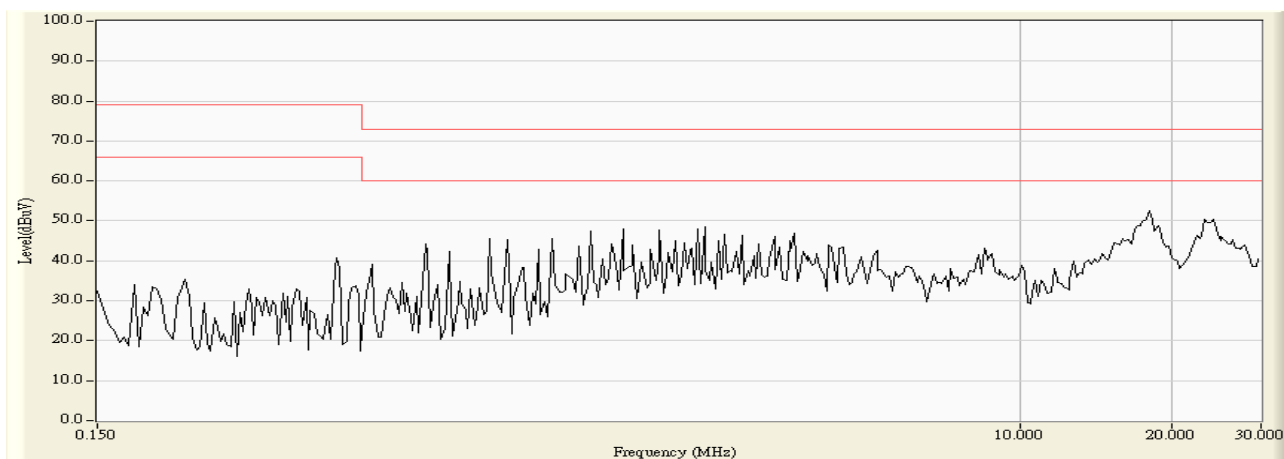


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.224	9.583	26.600	36.183	-29.817	66.000	AVERAGE
2		0.447	9.582	30.730	40.312	-25.688	66.000	AVERAGE
3		0.970	9.584	34.280	43.864	-16.136	60.000	AVERAGE
4		2.611	9.641	35.440	45.080	-14.920	60.000	AVERAGE
5		8.666	9.997	26.270	36.267	-23.733	60.000	AVERAGE
6	*	23.041	10.759	45.240	55.999	-4.001	60.000	AVERAGE

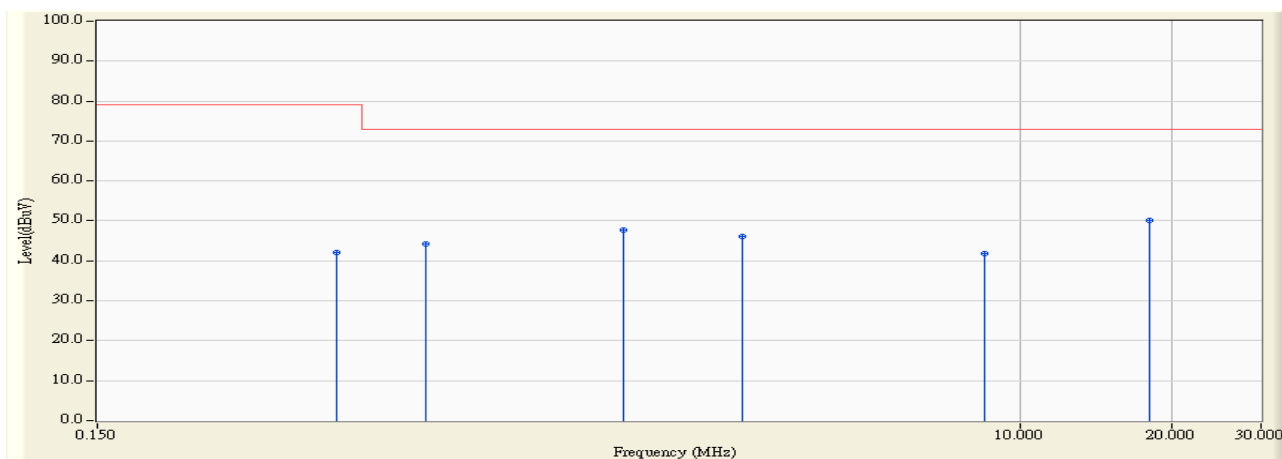
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:46
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 4



Site : SR1	Time : 2013/03/20 - 18:47
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 4

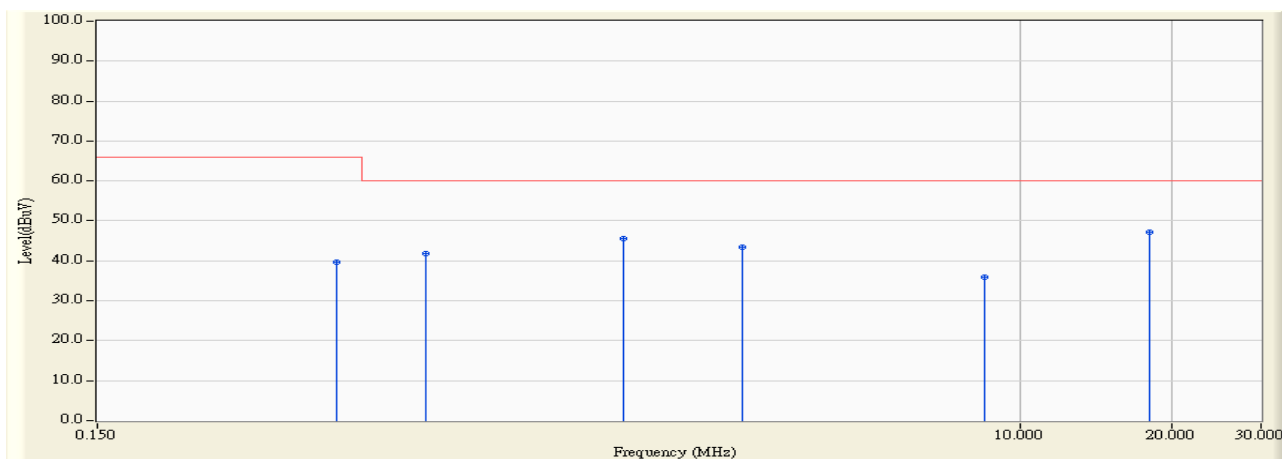


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.572	32.580	42.152	-36.848	79.000	QUASIPeAK
2		0.670	9.573	34.540	44.113	-28.887	73.000	QUASIPeAK
3		1.642	9.577	38.180	47.757	-25.243	73.000	QUASIPeAK
4		2.834	9.630	36.390	46.020	-26.980	73.000	QUASIPeAK
5		8.502	9.955	31.920	41.875	-31.125	73.000	QUASIPeAK
6	*	18.048	10.450	39.760	50.210	-22.790	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:47
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 4

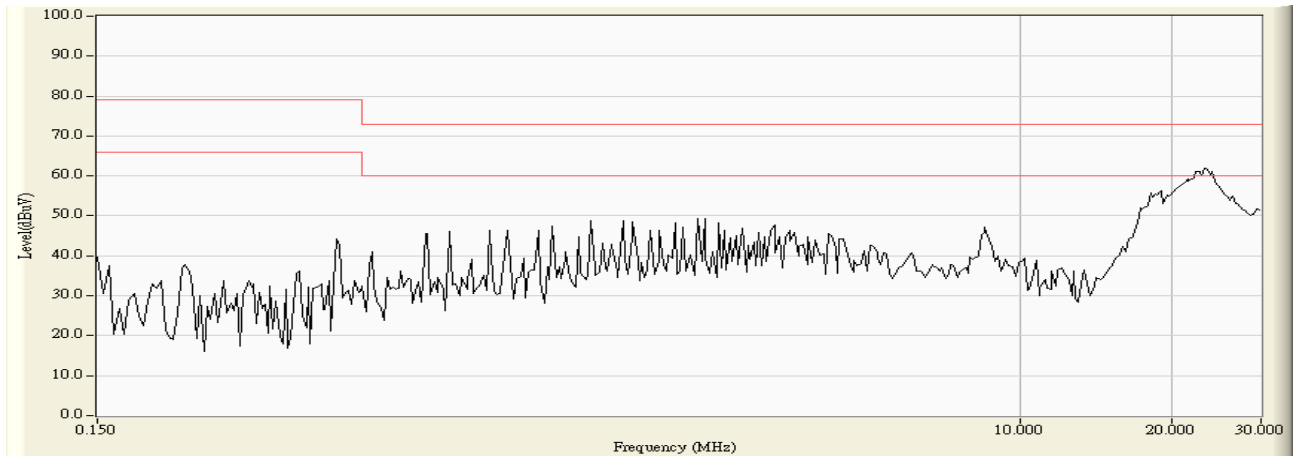


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.572	30.090	39.662	-26.338	66.000	AVERAGE
2		0.670	9.573	32.240	41.813	-18.187	60.000	AVERAGE
3		1.642	9.577	36.050	45.627	-14.373	60.000	AVERAGE
4		2.834	9.630	33.720	43.350	-16.650	60.000	AVERAGE
5		8.502	9.955	26.060	36.015	-23.985	60.000	AVERAGE
6	*	18.048	10.450	36.670	47.120	-12.880	60.000	AVERAGE

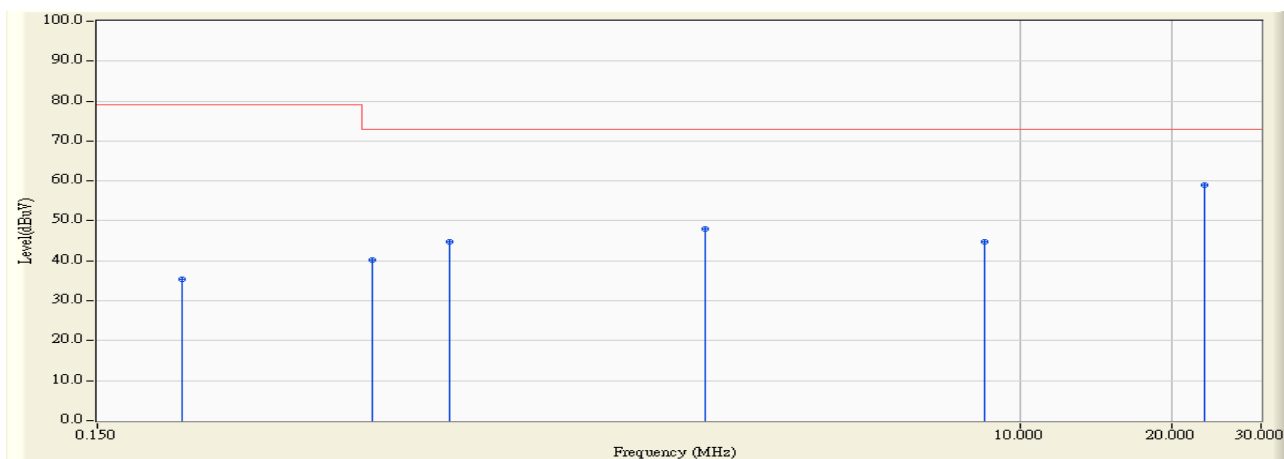
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:44
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 4



Site : SR1	Time : 2013/03/20 - 18:46
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 4

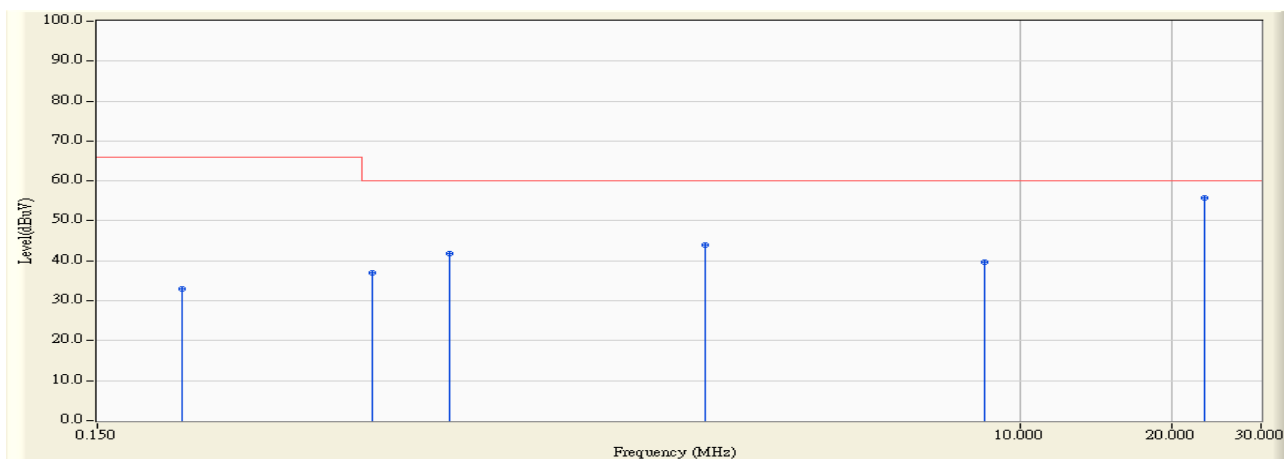


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.220	9.581	25.920	35.501	-43.499	79.000	QUASIPeAK
2		0.525	9.582	30.560	40.142	-32.858	73.000	QUASIPeAK
3		0.748	9.583	35.190	44.773	-28.227	73.000	QUASIPeAK
4		2.388	9.626	38.320	47.946	-25.054	73.000	QUASIPeAK
5		8.537	9.994	34.900	44.894	-28.106	73.000	QUASIPeAK
6	*	23.271	10.763	48.300	59.063	-13.937	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:46
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 4

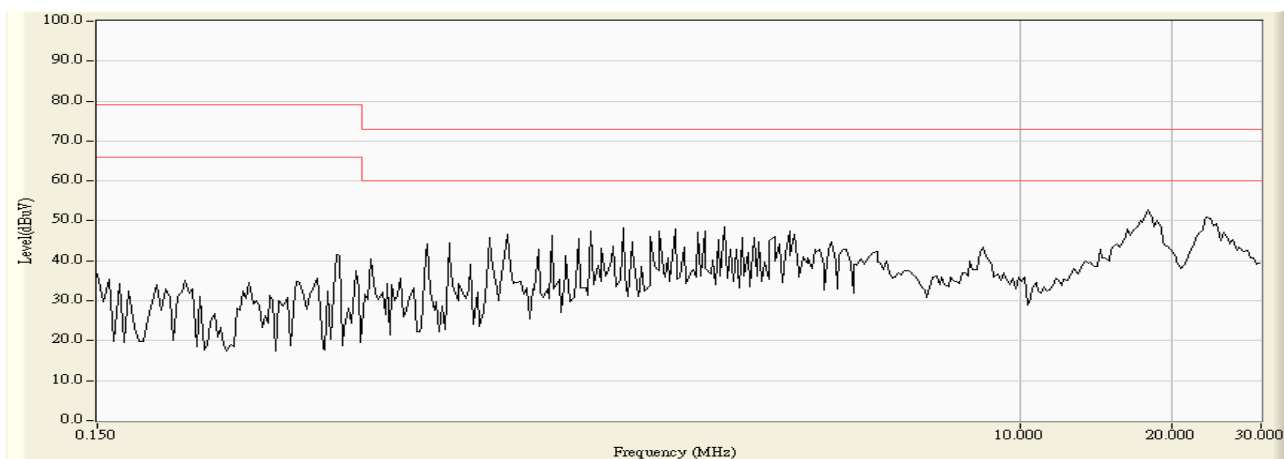


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.220	9.581	23.380	32.961	-33.039	66.000	AVERAGE
2		0.525	9.582	27.300	36.882	-23.118	60.000	AVERAGE
3		0.748	9.583	32.230	41.813	-18.187	60.000	AVERAGE
4		2.388	9.626	34.370	43.996	-16.004	60.000	AVERAGE
5		8.537	9.994	29.790	39.784	-20.216	60.000	AVERAGE
6	*	23.271	10.763	44.880	55.643	-4.357	60.000	AVERAGE

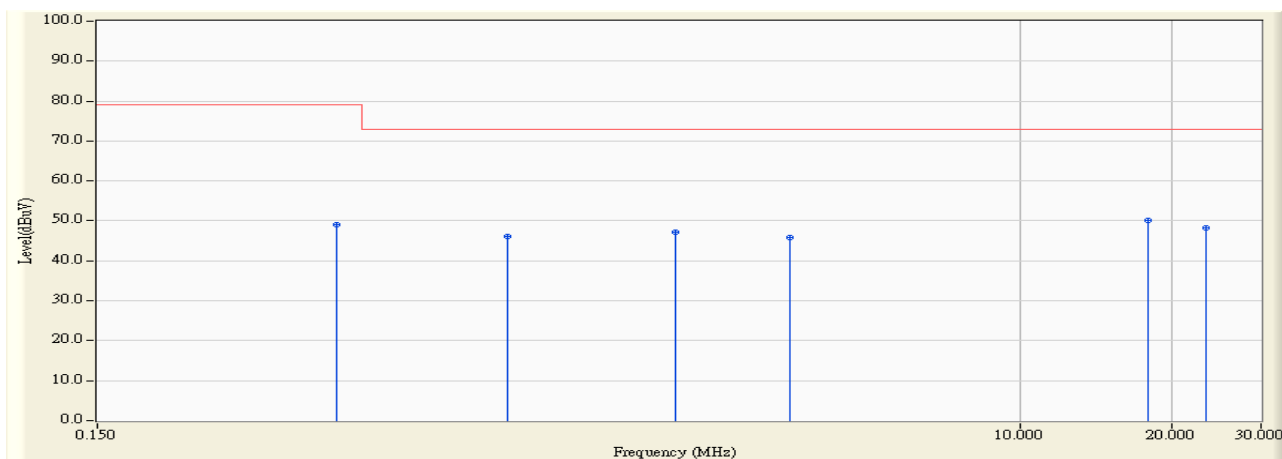
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:42
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 5



Site : SR1	Time : 2013/03/20 - 18:42
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 5

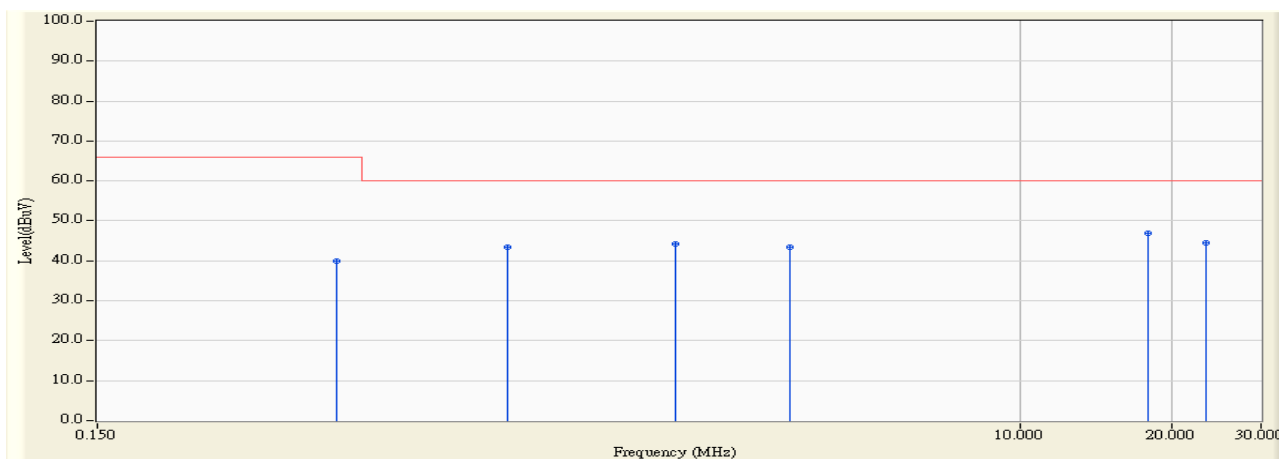


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.572	39.410	48.982	-30.018	79.000	QUASIPeAK
2		0.970	9.564	36.430	45.994	-27.006	73.000	QUASIPeAK
3		2.087	9.589	37.570	47.159	-25.841	73.000	QUASIPeAK
4		3.505	9.661	36.260	45.921	-27.079	73.000	QUASIPeAK
5	*	17.974	10.448	39.740	50.188	-22.812	73.000	QUASIPeAK
6		23.416	10.656	37.590	48.246	-24.754	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:42
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 5

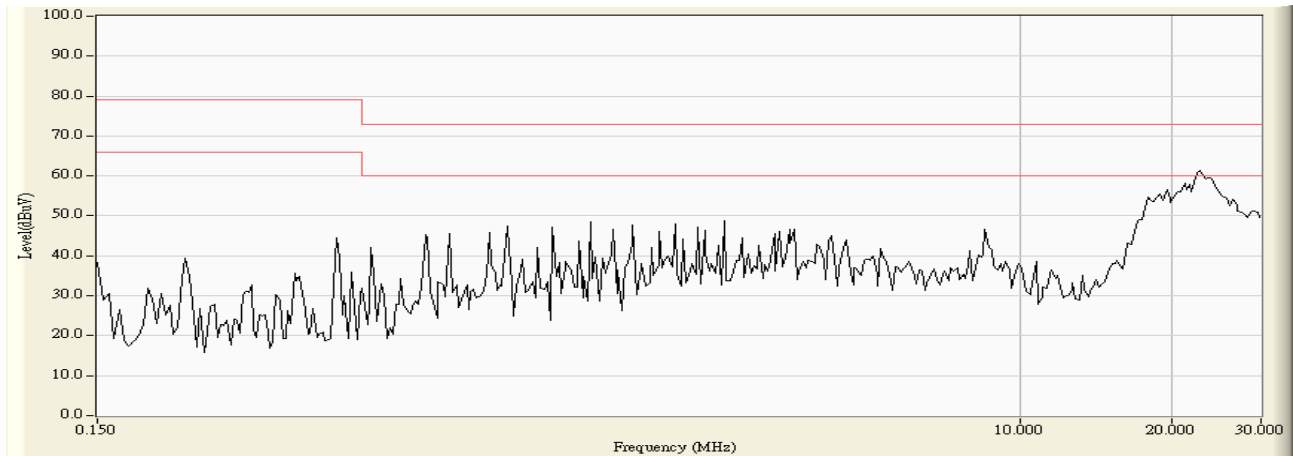


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.572	30.480	40.052	-25.948	66.000	AVERAGE
2		0.970	9.564	34.000	43.564	-16.436	60.000	AVERAGE
3		2.087	9.589	34.600	44.189	-15.811	60.000	AVERAGE
4		3.505	9.661	33.780	43.441	-16.559	60.000	AVERAGE
5	*	17.974	10.448	36.540	46.988	-13.012	60.000	AVERAGE
6		23.416	10.656	33.970	44.626	-15.374	60.000	AVERAGE

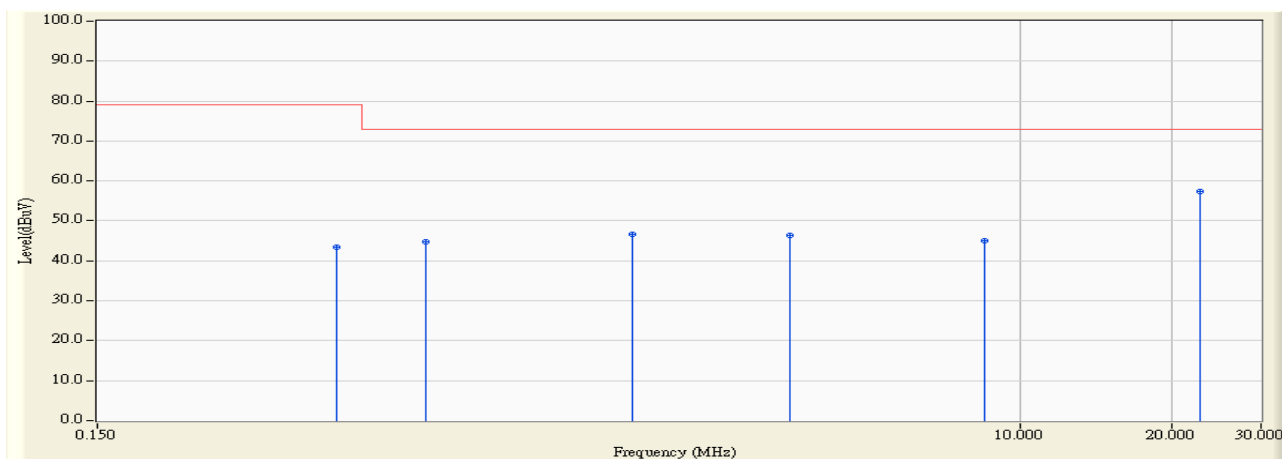
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:43
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 5



Site : SR1	Time : 2013/03/20 - 18:43
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 5

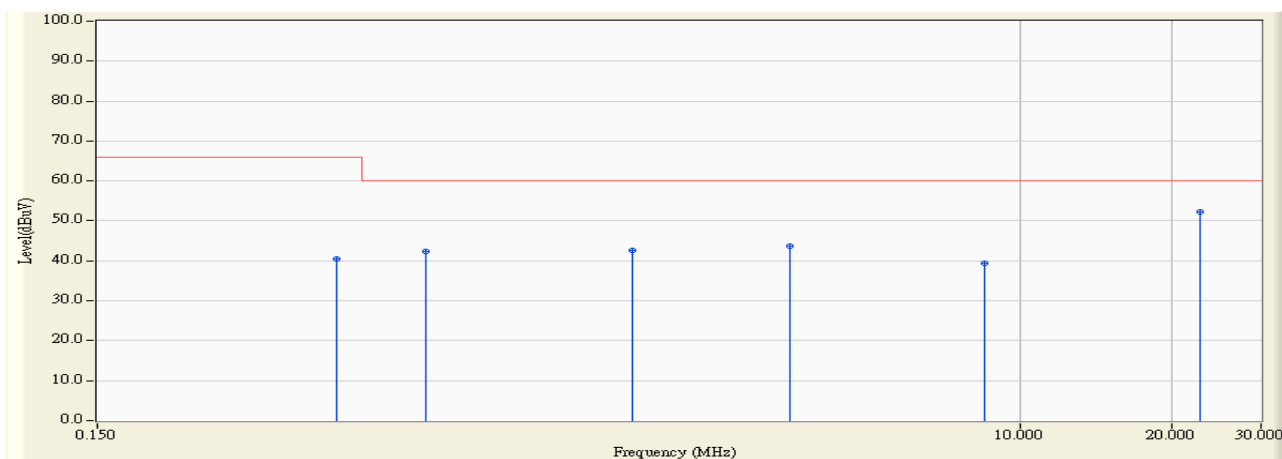


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.582	33.940	43.522	-35.478	79.000	QUASIPeAK
2		0.670	9.583	35.280	44.863	-28.137	73.000	QUASIPeAK
3		1.716	9.598	37.170	46.768	-26.232	73.000	QUASIPeAK
4		3.505	9.691	36.820	46.511	-26.489	73.000	QUASIPeAK
5		8.537	9.994	35.000	44.994	-28.006	73.000	QUASIPeAK
6	*	22.670	10.752	46.640	57.392	-15.608	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:43
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 5

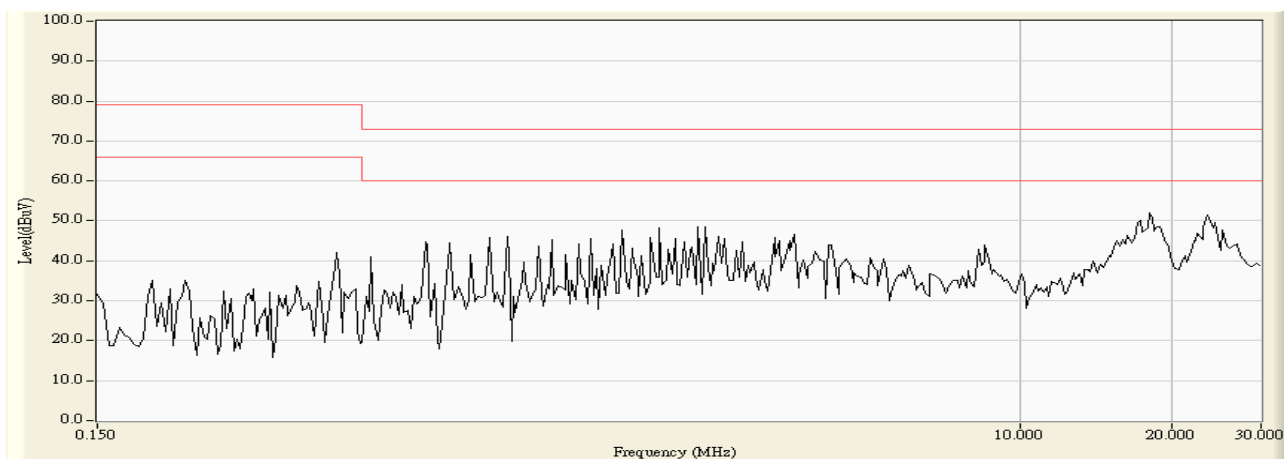


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.582	30.980	40.562	-25.438	66.000	AVERAGE
2		0.670	9.583	32.660	42.243	-17.757	60.000	AVERAGE
3		1.716	9.598	32.900	42.498	-17.502	60.000	AVERAGE
4		3.505	9.691	34.130	43.821	-16.179	60.000	AVERAGE
5		8.537	9.994	29.370	39.364	-20.636	60.000	AVERAGE
6	*	22.670	10.752	41.650	52.402	-7.598	60.000	AVERAGE

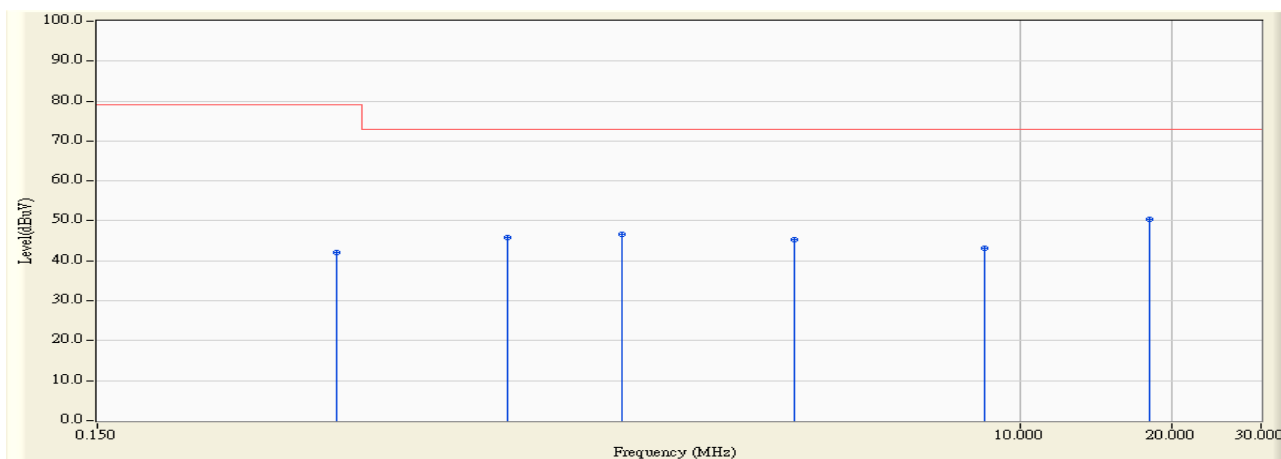
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:14
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 6



Site : SR1	Time : 2013/03/20 - 19:15
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 6

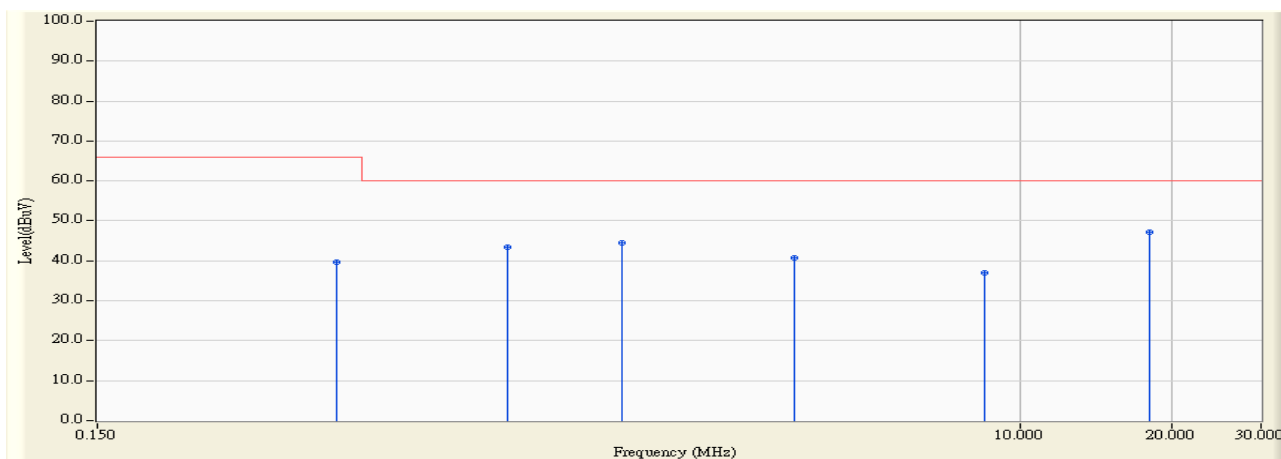


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.572	32.520	42.092	-36.908	79.000	QUASIPeAK
2		0.970	9.564	36.290	45.854	-27.146	73.000	QUASIPeAK
3		1.638	9.577	37.150	46.727	-26.273	73.000	QUASIPeAK
4		3.580	9.664	35.540	45.204	-27.796	73.000	QUASIPeAK
5		8.541	9.964	33.150	43.114	-29.886	73.000	QUASIPeAK
6	*	18.048	10.450	39.820	50.270	-22.730	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:15
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 6

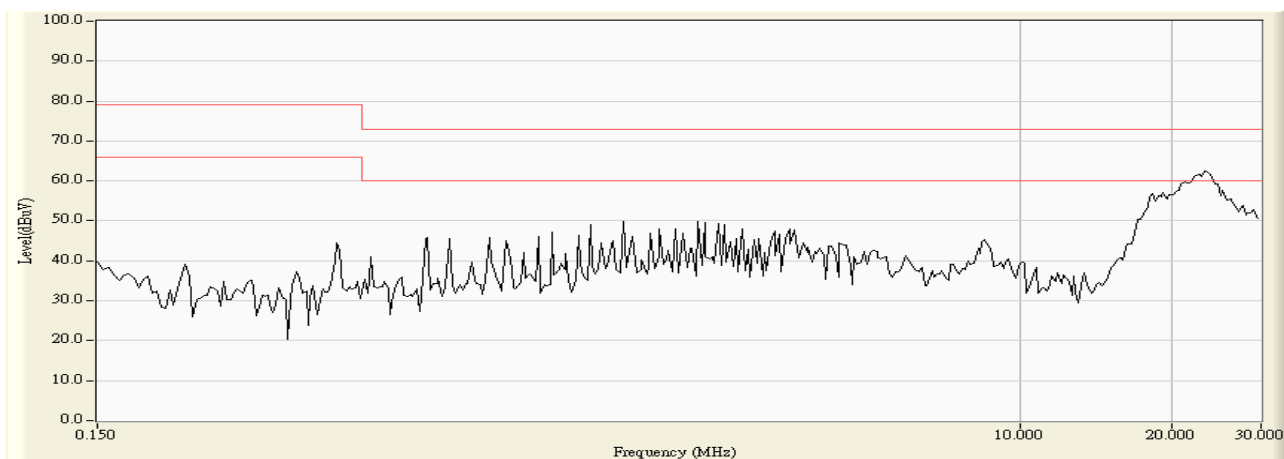


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.572	30.090	39.662	-26.338	66.000	AVERAGE
2		0.970	9.564	33.830	43.394	-16.606	60.000	AVERAGE
3		1.638	9.577	34.850	44.427	-15.573	60.000	AVERAGE
4		3.580	9.664	31.030	40.694	-19.306	60.000	AVERAGE
5		8.541	9.964	26.930	36.894	-23.106	60.000	AVERAGE
6	*	18.048	10.450	36.840	47.290	-12.710	60.000	AVERAGE

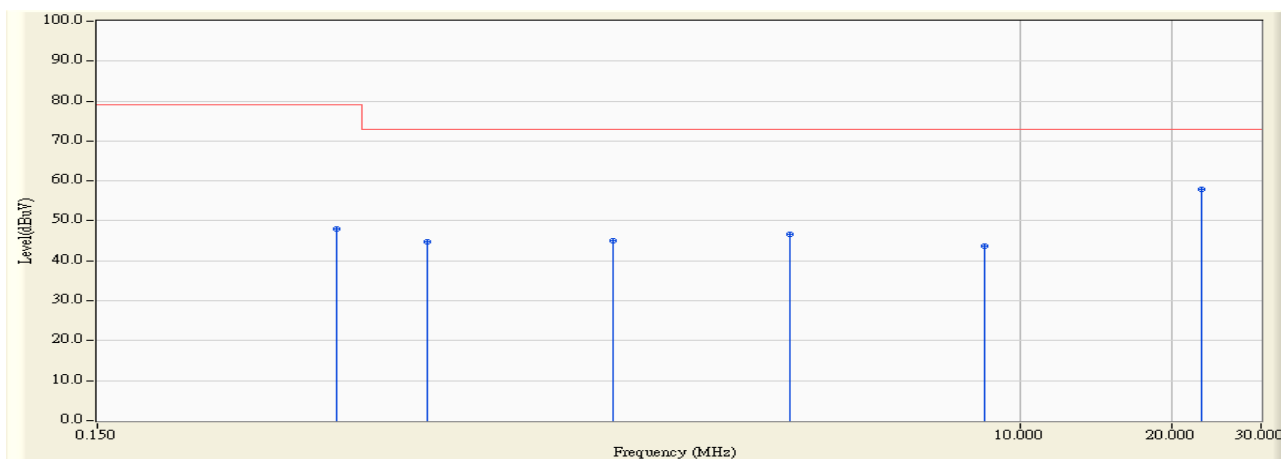
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:13
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 6



Site : SR1	Time : 2013/03/20 - 19:14
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 6

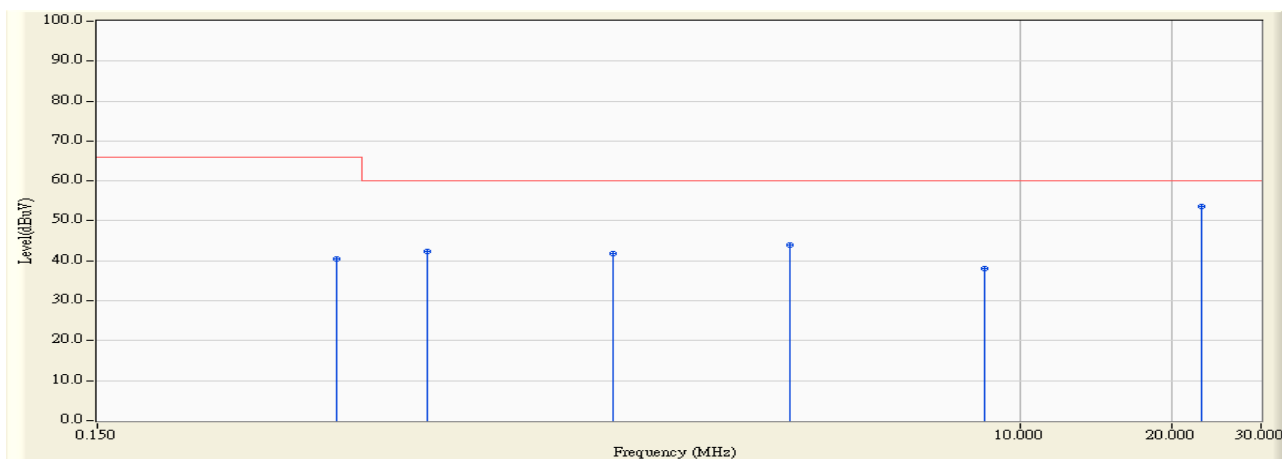


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.582	38.430	48.012	-30.988	79.000	QUASIPeAK
2		0.673	9.583	35.300	44.883	-28.117	73.000	QUASIPeAK
3		1.568	9.597	35.390	44.987	-28.013	73.000	QUASIPeAK
4		3.505	9.691	37.040	46.731	-26.269	73.000	QUASIPeAK
5		8.541	9.994	33.610	43.604	-29.396	73.000	QUASIPeAK
6	*	22.892	10.756	47.220	57.976	-15.024	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:14
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 6

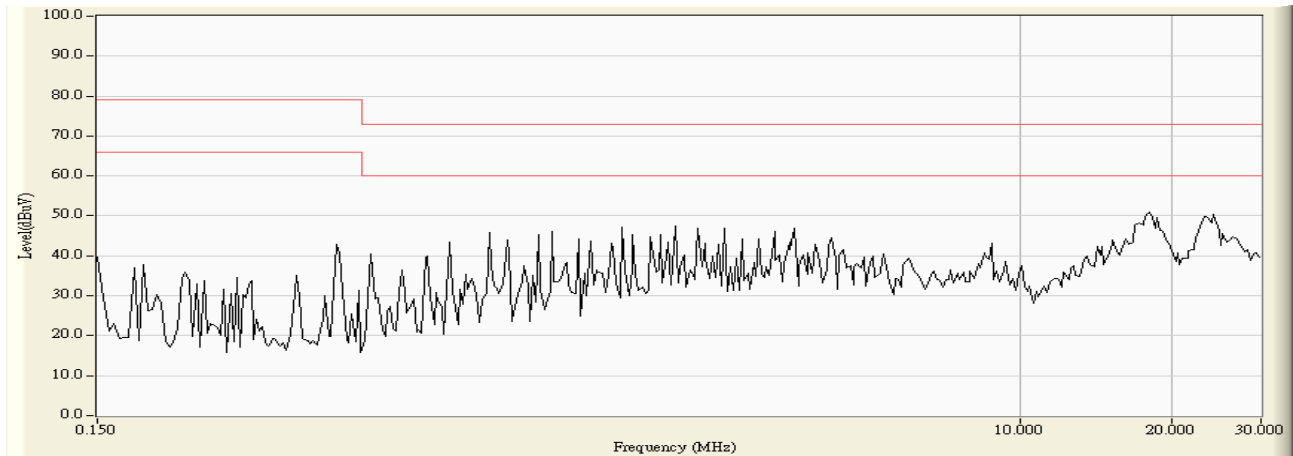


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.582	30.820	40.402	-25.598	66.000	AVERAGE
2		0.673	9.583	32.720	42.303	-17.697	60.000	AVERAGE
3		1.568	9.597	32.180	41.777	-18.223	60.000	AVERAGE
4		3.505	9.691	34.240	43.931	-16.069	60.000	AVERAGE
5		8.541	9.994	28.070	38.064	-21.936	60.000	AVERAGE
6	*	22.892	10.756	42.890	53.646	-6.354	60.000	AVERAGE

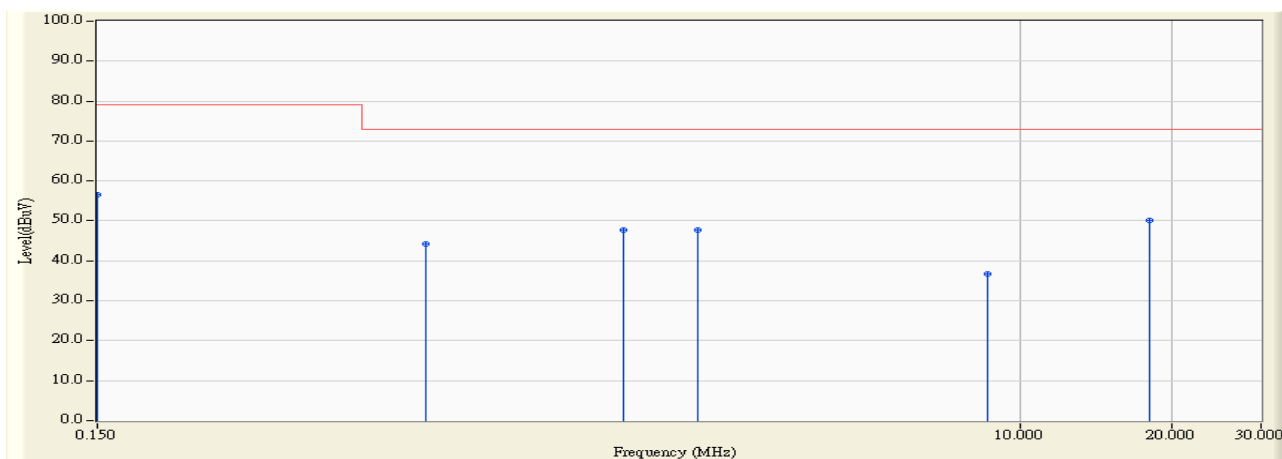
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:07
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 7



Site : SR1	Time : 2013/03/20 - 19:11
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 7

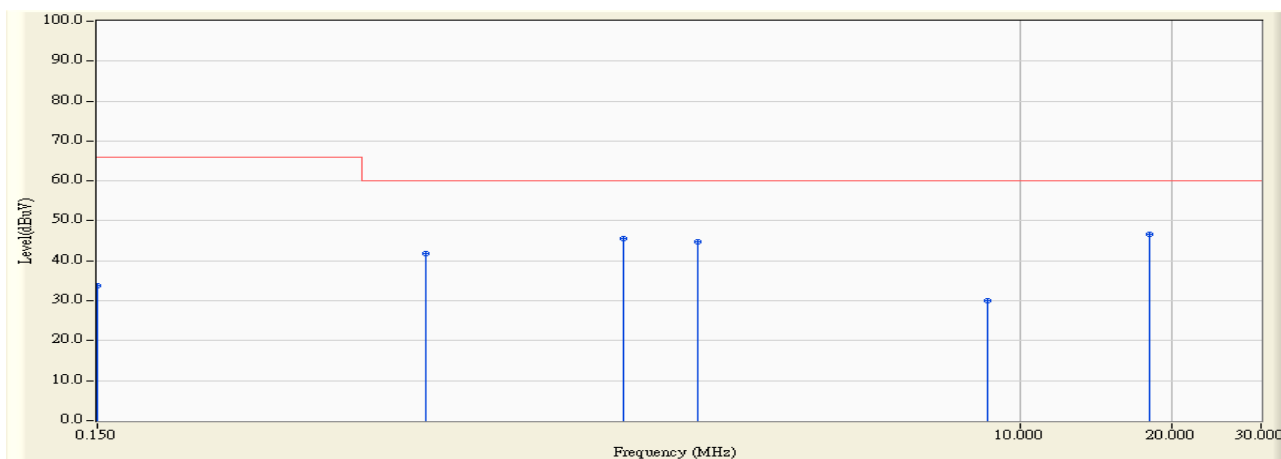


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1	*	0.150	9.544	47.060	56.604	-22.396	79.000	QUASIPeAK
2		0.670	9.573	34.600	44.173	-28.827	73.000	QUASIPeAK
3		1.642	9.577	38.220	47.797	-25.203	73.000	QUASIPeAK
4		2.310	9.603	38.100	47.703	-25.297	73.000	QUASIPeAK
5		8.650	9.966	26.840	36.806	-36.194	73.000	QUASIPeAK
6		18.048	10.450	39.620	50.070	-22.930	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:11
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 7

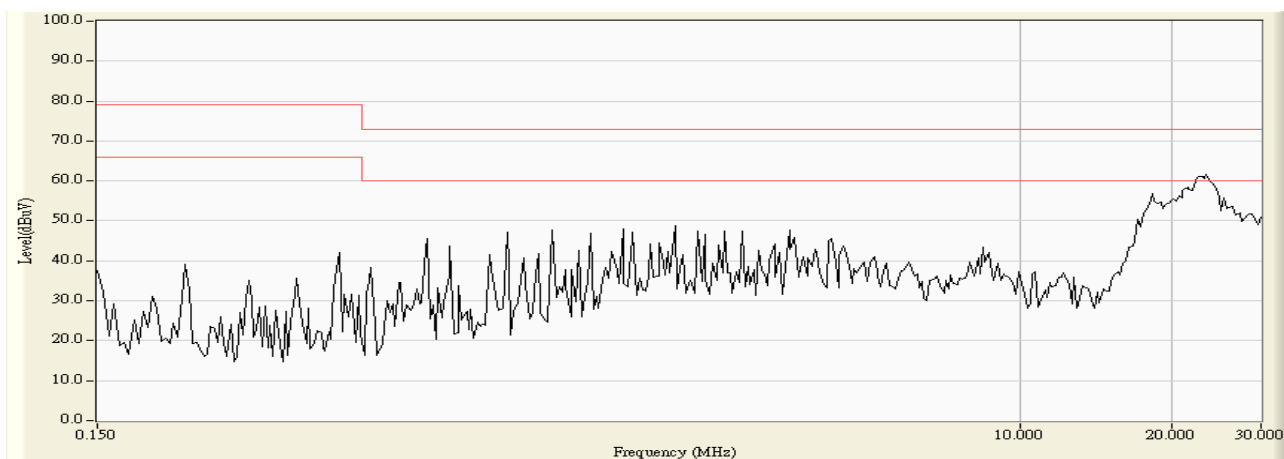


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	9.544	24.320	33.864	-32.136	66.000	AVERAGE
2		0.670	9.573	32.310	41.883	-18.117	60.000	AVERAGE
3		1.642	9.577	36.050	45.627	-14.373	60.000	AVERAGE
4		2.310	9.603	35.250	44.853	-15.147	60.000	AVERAGE
5		8.650	9.966	20.190	30.156	-29.844	60.000	AVERAGE
6	*	18.048	10.450	36.320	46.770	-13.230	60.000	AVERAGE

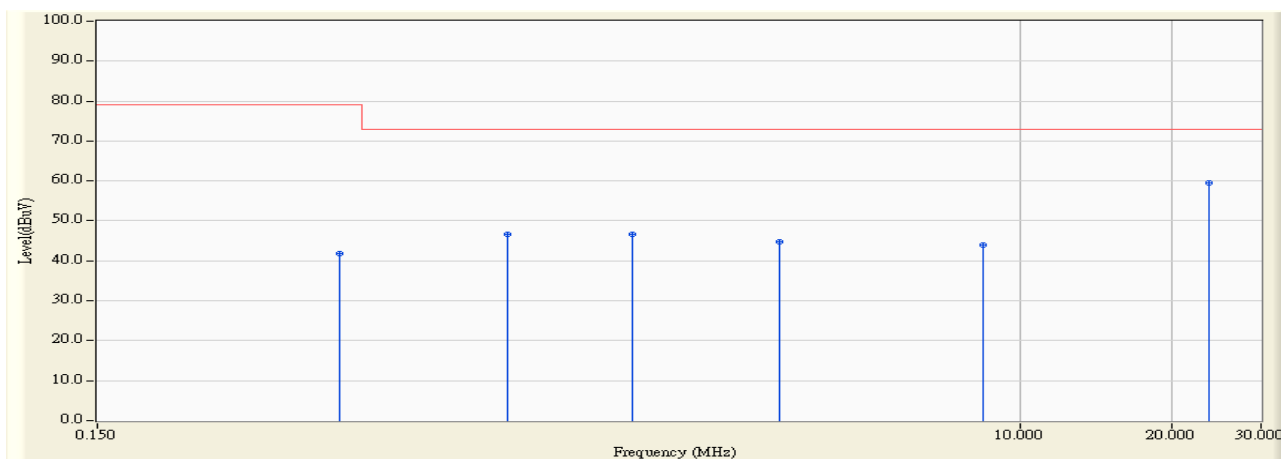
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:11
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 7



Site : SR1	Time : 2013/03/20 - 19:12
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 7

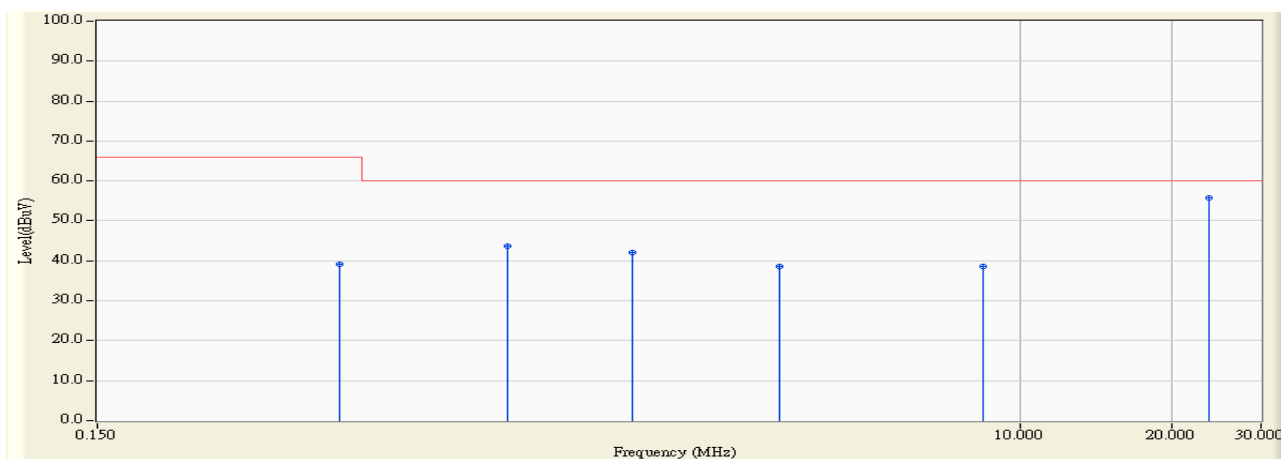


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.582	32.300	41.882	-37.118	79.000	QUASIPeAK
2		0.970	9.584	36.990	46.574	-26.426	73.000	QUASIPeAK
3		1.716	9.598	37.010	46.608	-26.392	73.000	QUASIPeAK
4		3.357	9.677	35.030	44.707	-28.293	73.000	QUASIPeAK
5		8.474	9.982	33.970	43.952	-29.048	73.000	QUASIPeAK
6	*	23.642	10.770	48.680	59.450	-13.550	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:12
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 7

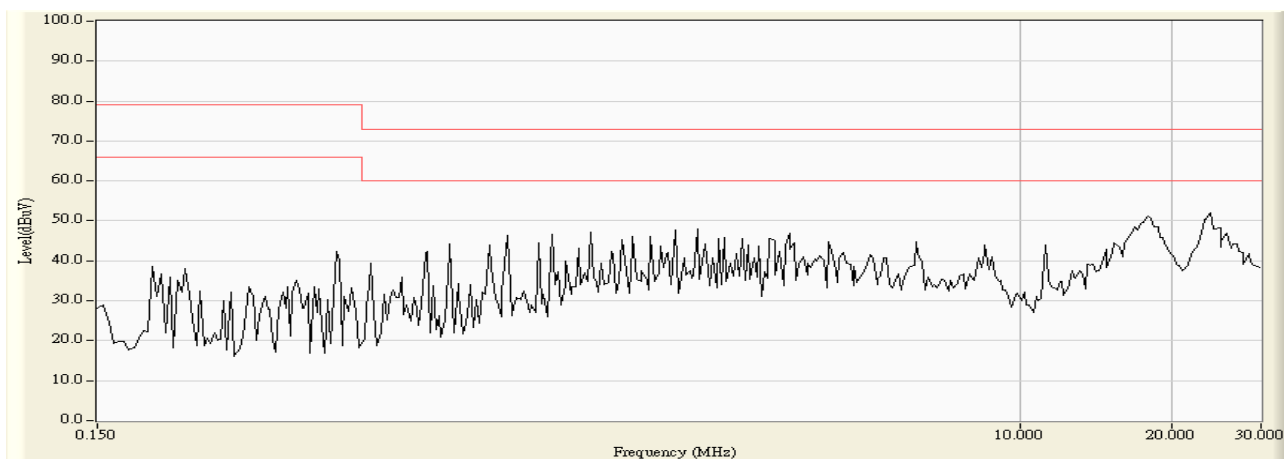


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.582	29.500	39.082	-26.918	66.000	AVERAGE
2		0.970	9.584	34.170	43.754	-16.246	60.000	AVERAGE
3		1.716	9.598	32.560	42.158	-17.842	60.000	AVERAGE
4		3.357	9.677	28.910	38.587	-21.413	60.000	AVERAGE
5		8.474	9.982	28.560	38.542	-21.458	60.000	AVERAGE
6	*	23.642	10.770	44.940	55.710	-4.290	60.000	AVERAGE

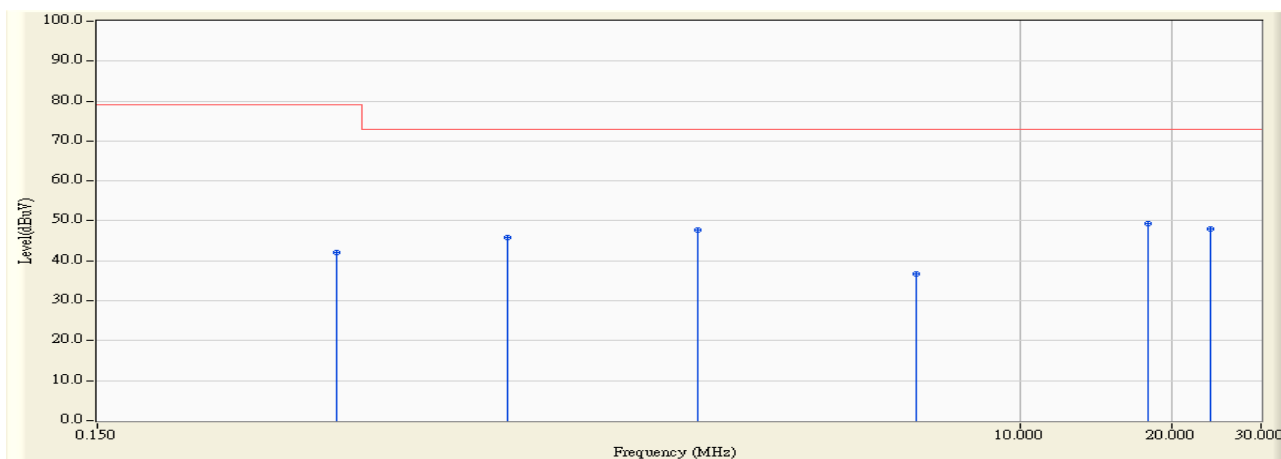
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:03
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 8



Site : SR1	Time : 2013/03/20 - 20:04
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 8

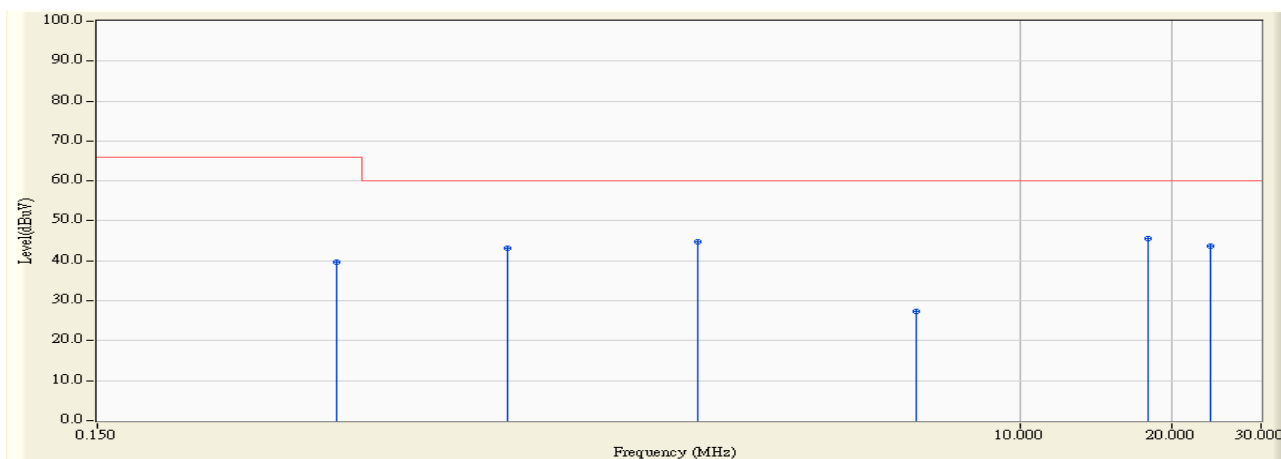


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.572	32.580	42.152	-36.848	79.000	QUASIPeAK
2		0.970	9.564	36.230	45.794	-27.206	73.000	QUASIPeAK
3		2.310	9.603	38.010	47.613	-25.387	73.000	QUASIPeAK
4		6.252	9.822	26.880	36.702	-36.298	73.000	QUASIPeAK
5	*	17.974	10.448	38.940	49.388	-23.612	73.000	QUASIPeAK
6		23.787	10.662	37.220	47.882	-25.118	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:04
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 8

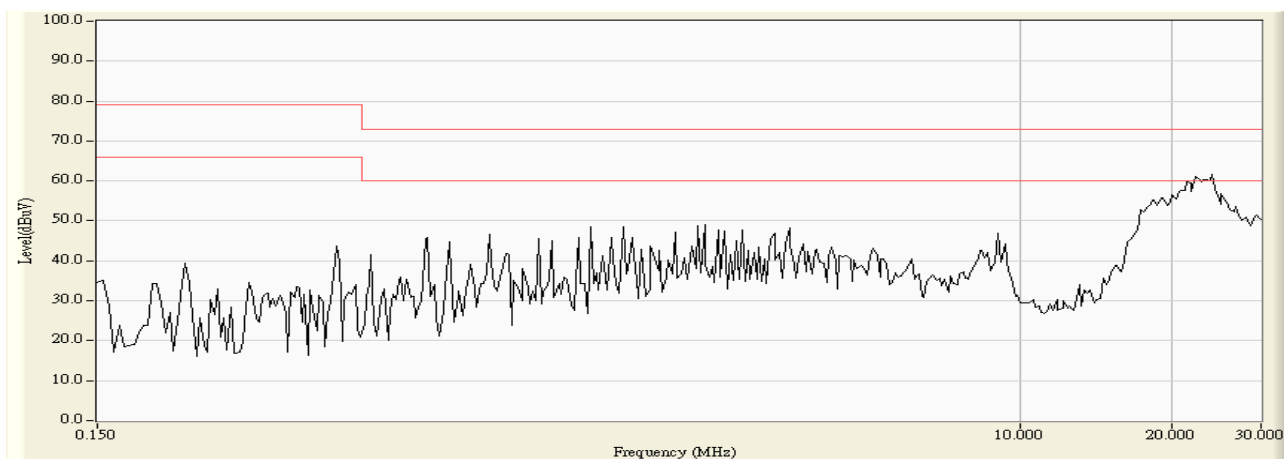


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.572	30.090	39.662	-26.338	66.000	AVERAGE
2		0.970	9.564	33.660	43.224	-16.776	60.000	AVERAGE
3		2.310	9.603	35.250	44.853	-15.147	60.000	AVERAGE
4		6.252	9.822	17.650	27.472	-32.528	60.000	AVERAGE
5	*	17.974	10.448	35.250	45.698	-14.302	60.000	AVERAGE
6		23.787	10.662	32.910	43.572	-16.428	60.000	AVERAGE

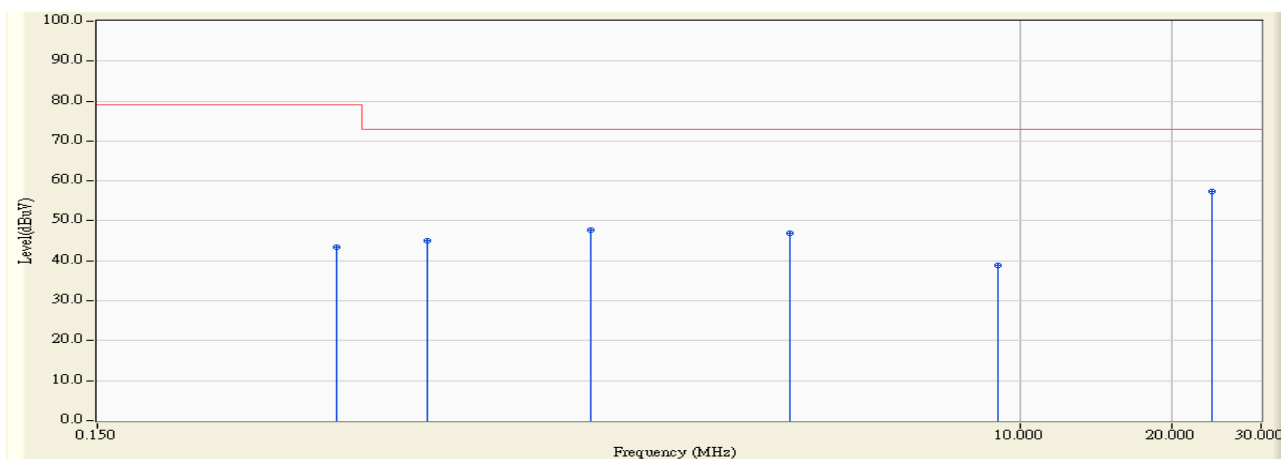
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:02
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 8



Site : SR1	Time : 2013/03/20 - 20:02
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 8

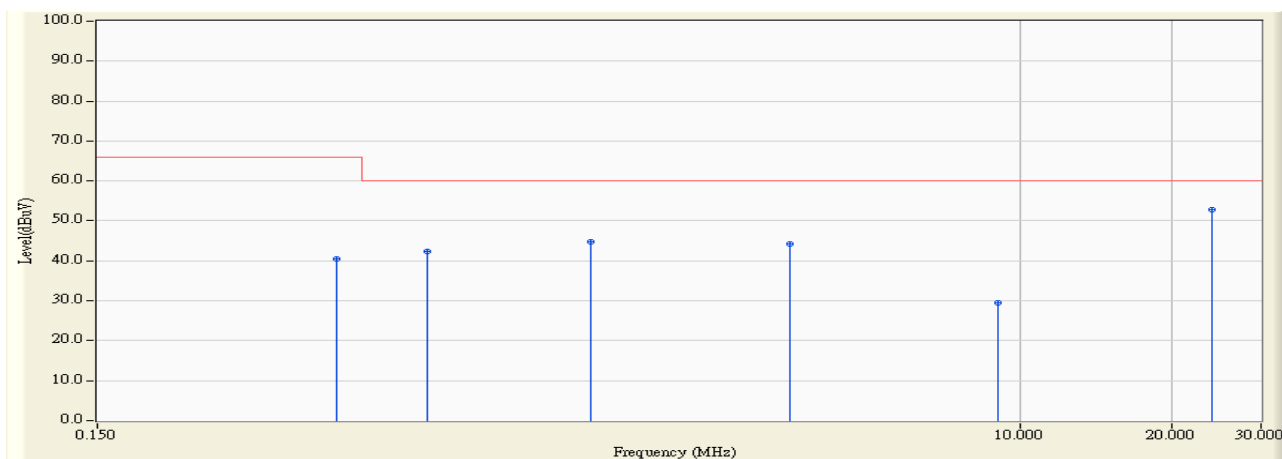


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.582	33.880	43.462	-35.538	79.000	QUASIPeAK
2		0.673	9.583	35.400	44.983	-28.017	73.000	QUASIPeAK
3		1.416	9.596	38.190	47.786	-25.214	73.000	QUASIPeAK
4		3.505	9.691	37.220	46.911	-26.089	73.000	QUASIPeAK
5		9.076	10.022	28.830	38.852	-34.148	73.000	QUASIPeAK
6	*	24.017	10.777	46.540	57.317	-15.683	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:02
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 8

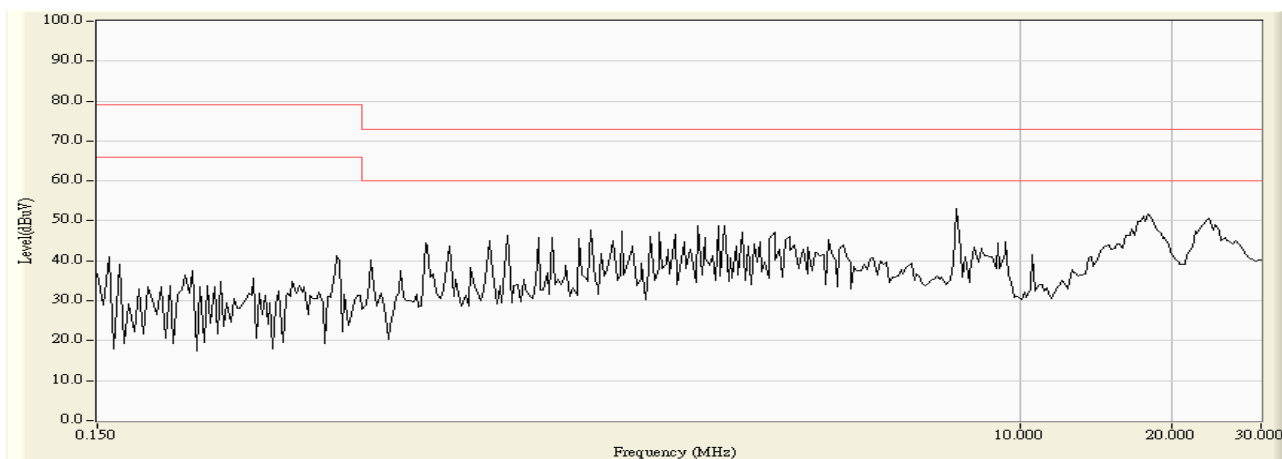


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.582	30.900	40.482	-25.518	66.000	AVERAGE
2		0.673	9.583	32.850	42.433	-17.567	60.000	AVERAGE
3		1.416	9.596	35.170	44.766	-15.234	60.000	AVERAGE
4		3.505	9.691	34.460	44.151	-15.849	60.000	AVERAGE
5		9.076	10.022	19.570	29.592	-30.408	60.000	AVERAGE
6	*	24.017	10.777	42.150	52.927	-7.073	60.000	AVERAGE

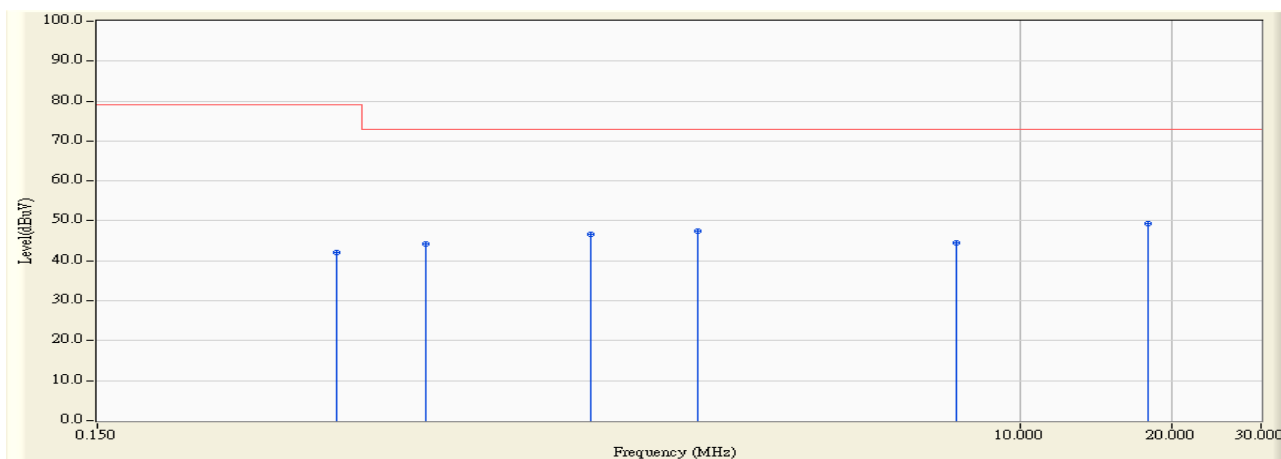
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:05
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 9



Site : SR1	Time : 2013/03/20 - 20:06
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 9

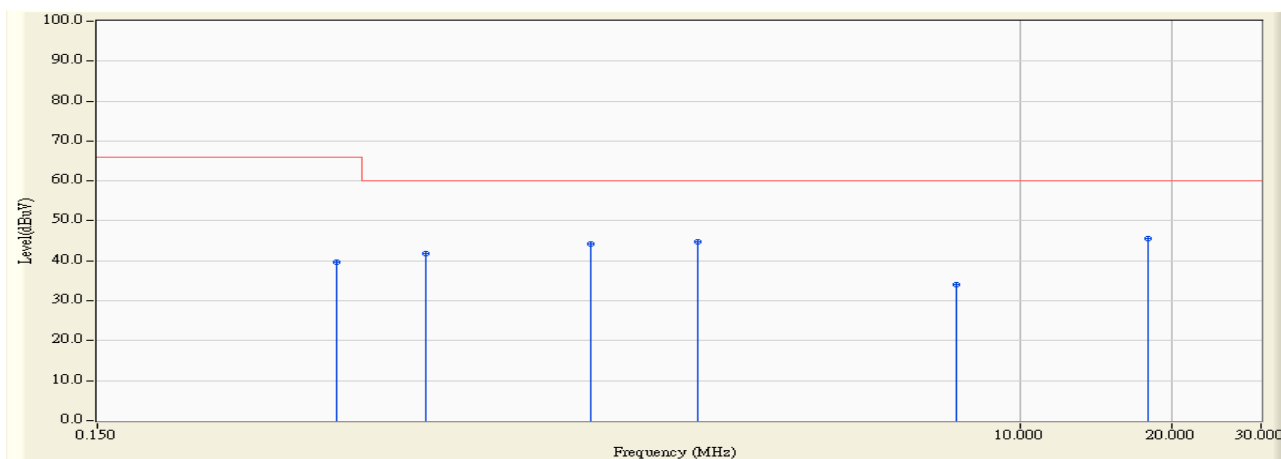


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.572	32.520	42.092	-36.908	79.000	QUASIPeAK
2		0.670	9.573	34.540	44.113	-28.887	73.000	QUASIPeAK
3		1.416	9.576	37.120	46.696	-26.304	73.000	QUASIPeAK
4		2.310	9.603	37.930	47.533	-25.467	73.000	QUASIPeAK
5		7.502	9.900	34.540	44.440	-28.560	73.000	QUASIPeAK
6	*	17.900	10.447	38.960	49.407	-23.593	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:06
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 9

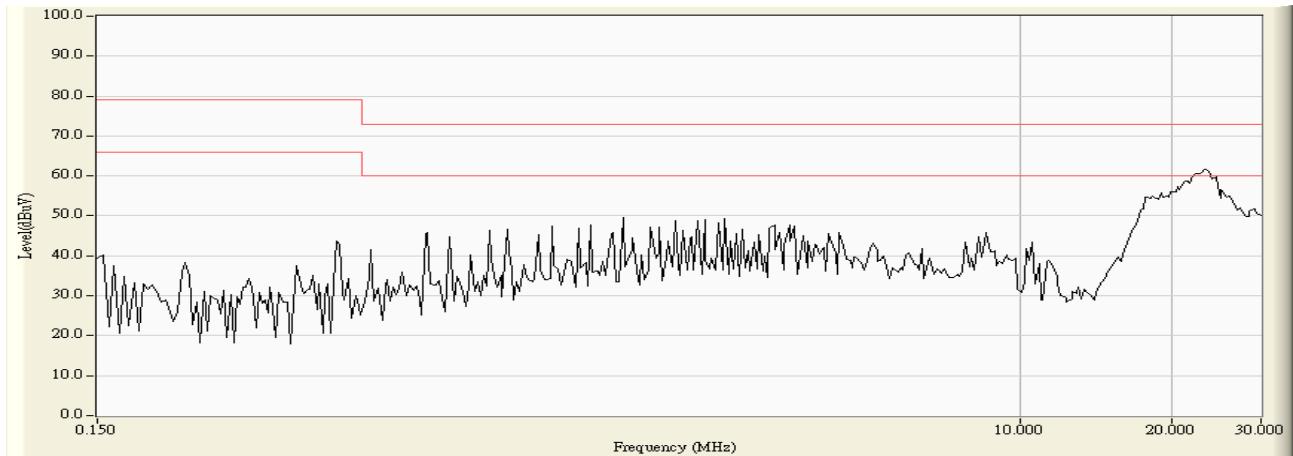


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.572	30.090	39.662	-26.338	66.000	AVERAGE
2		0.670	9.573	32.310	41.883	-18.117	60.000	AVERAGE
3		1.416	9.576	34.540	44.116	-15.884	60.000	AVERAGE
4		2.310	9.603	35.200	44.803	-15.197	60.000	AVERAGE
5		7.502	9.900	24.210	34.110	-25.890	60.000	AVERAGE
6	*	17.900	10.447	35.200	45.647	-14.353	60.000	AVERAGE

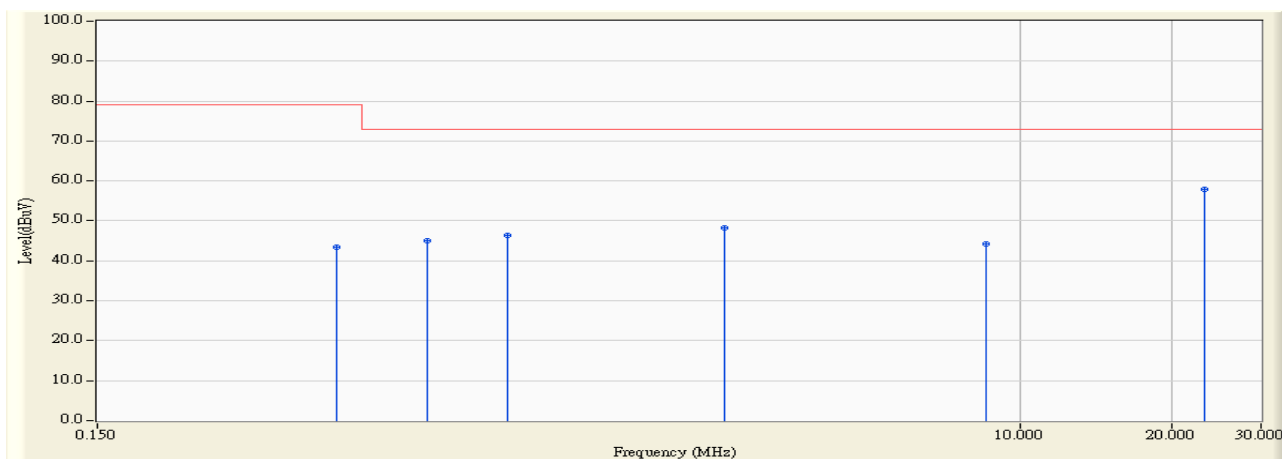
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:07
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 9



Site : SR1	Time : 2013/03/20 - 20:07
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 9

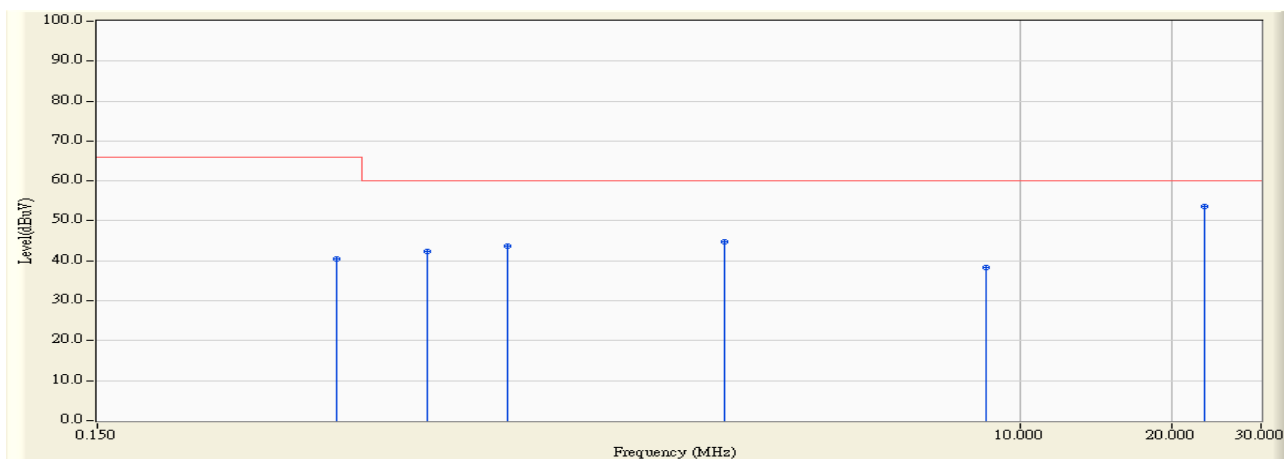


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.582	33.840	43.422	-35.578	79.000	QUASIPeAK
2		0.673	9.583	35.440	45.023	-27.977	73.000	QUASIPeAK
3		0.970	9.584	36.910	46.494	-26.506	73.000	QUASIPeAK
4		2.611	9.641	38.730	48.370	-24.630	73.000	QUASIPeAK
5		8.603	9.995	34.220	44.215	-28.785	73.000	QUASIPeAK
6	*	23.123	10.760	47.250	58.010	-14.990	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:07
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 9

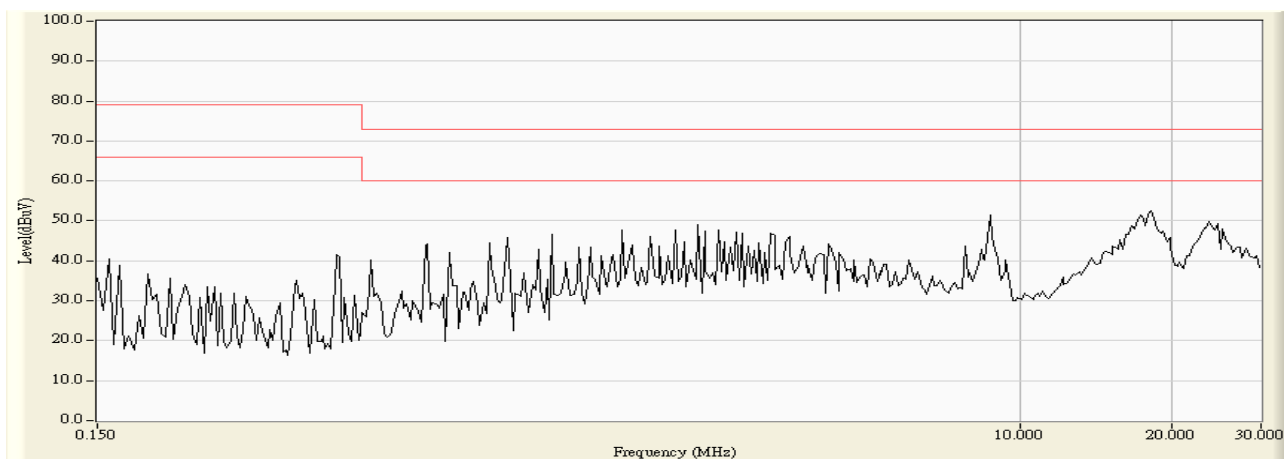


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.582	30.980	40.562	-25.438	66.000	AVERAGE
2		0.673	9.583	32.850	42.433	-17.567	60.000	AVERAGE
3		0.970	9.584	34.120	43.704	-16.296	60.000	AVERAGE
4		2.611	9.641	35.190	44.830	-15.170	60.000	AVERAGE
5		8.603	9.995	28.240	38.235	-21.765	60.000	AVERAGE
6	*	23.123	10.760	42.900	53.660	-6.340	60.000	AVERAGE

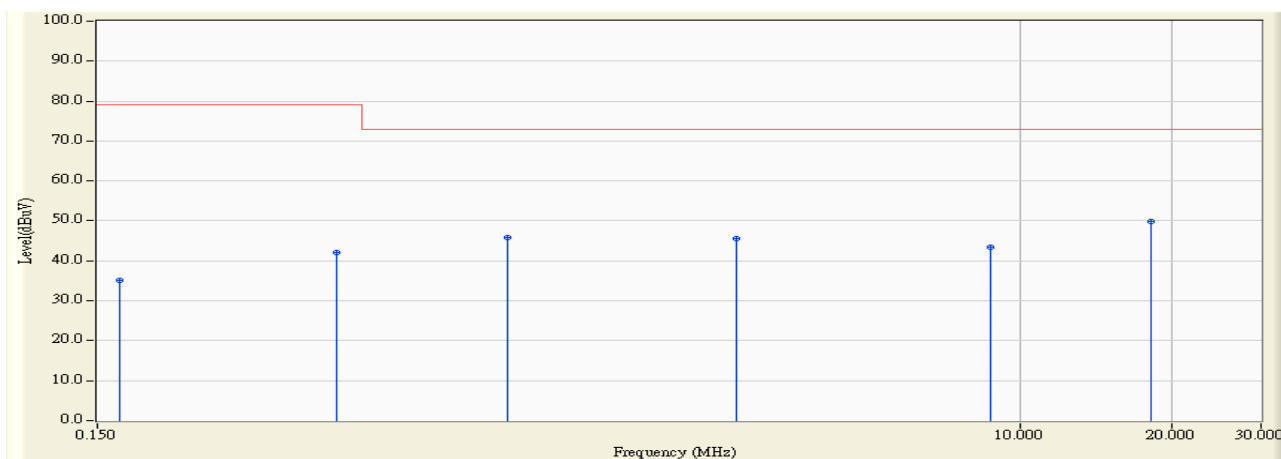
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:10
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 10



Site : SR1	Time : 2013/03/20 - 20:11
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 10

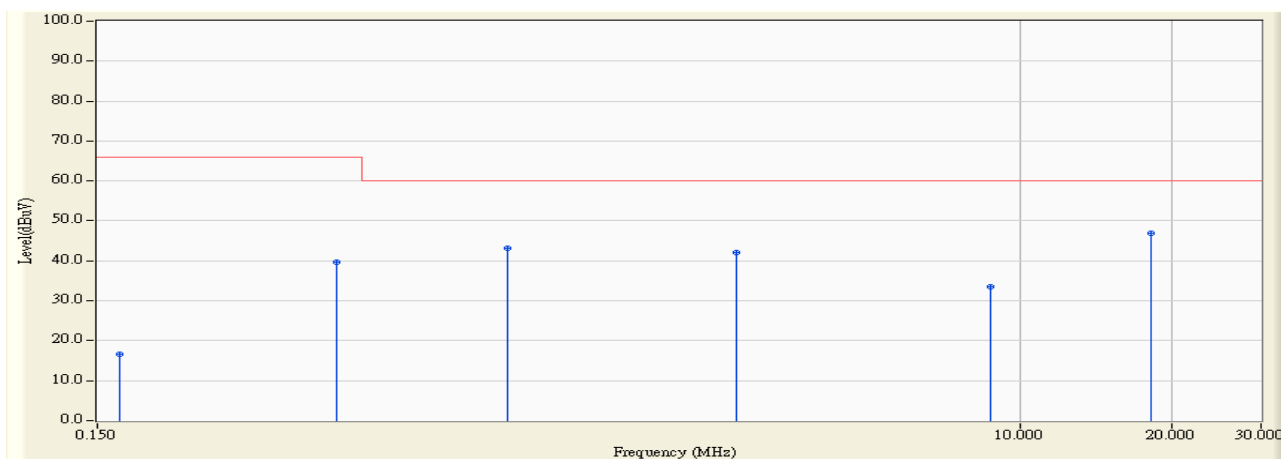


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.543	25.640	35.183	-43.817	79.000	QUASIPeAK
2		0.447	9.572	32.560	42.132	-36.868	79.000	QUASIPeAK
3		0.970	9.564	36.210	45.774	-27.226	73.000	QUASIPeAK
4		2.759	9.625	35.930	45.555	-27.445	73.000	QUASIPeAK
5		8.752	9.969	33.450	43.419	-29.581	73.000	QUASIPeAK
6	*	18.197	10.463	39.450	49.913	-23.087	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:11
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 10

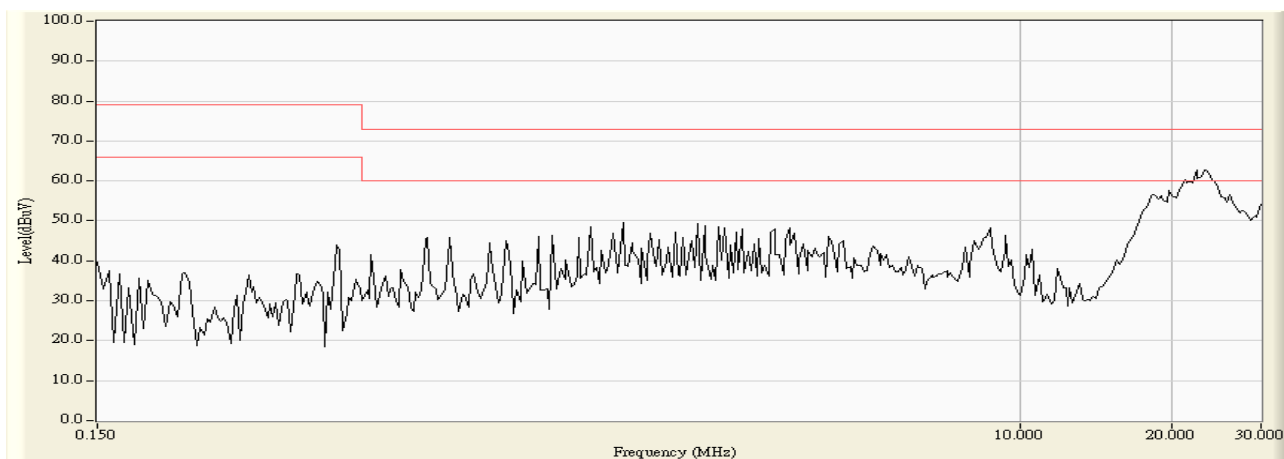


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.543	7.150	16.693	-49.307	66.000	AVERAGE
2		0.447	9.572	30.090	39.662	-26.338	66.000	AVERAGE
3		0.970	9.564	33.720	43.284	-16.716	60.000	AVERAGE
4		2.759	9.625	32.370	41.995	-18.005	60.000	AVERAGE
5		8.752	9.969	23.670	33.639	-26.361	60.000	AVERAGE
6	*	18.197	10.463	36.510	46.973	-13.027	60.000	AVERAGE

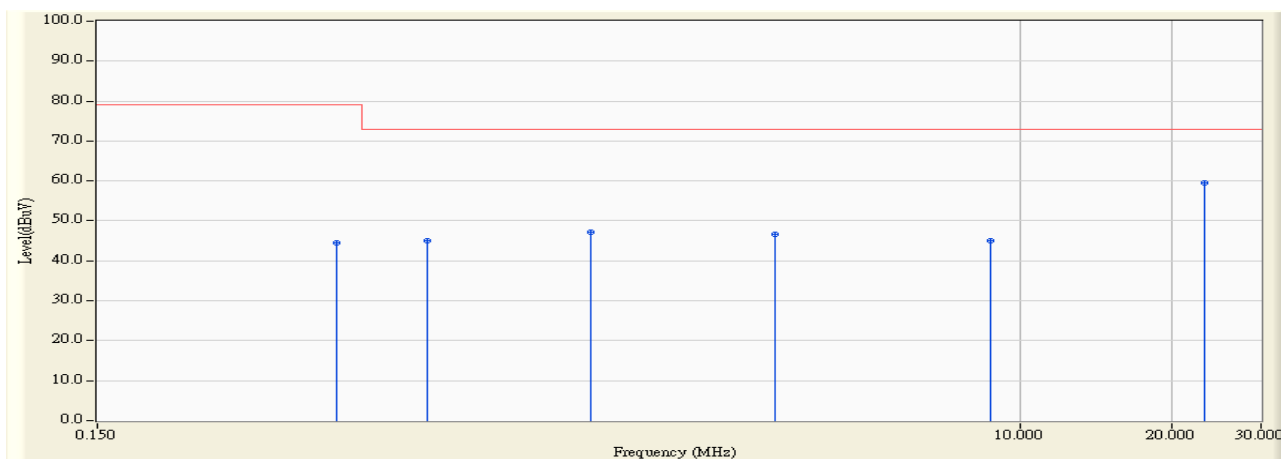
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:08
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 10



Site : SR1	Time : 2013/03/20 - 20:10
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 10

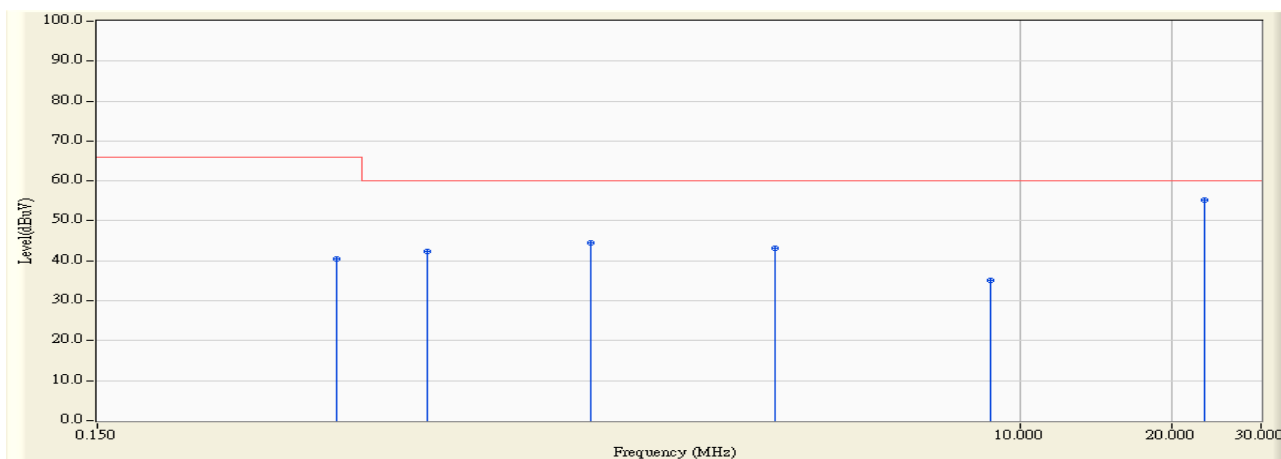


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.582	35.010	44.592	-34.408	79.000	QUASIPeAK
2		0.673	9.583	35.420	45.003	-27.997	73.000	QUASIPeAK
3		1.420	9.596	37.720	47.316	-25.684	73.000	QUASIPeAK
4		3.283	9.674	36.860	46.534	-26.466	73.000	QUASIPeAK
5		8.752	9.999	34.980	44.979	-28.021	73.000	QUASIPeAK
6	*	23.271	10.763	48.740	59.503	-13.497	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:10
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 10

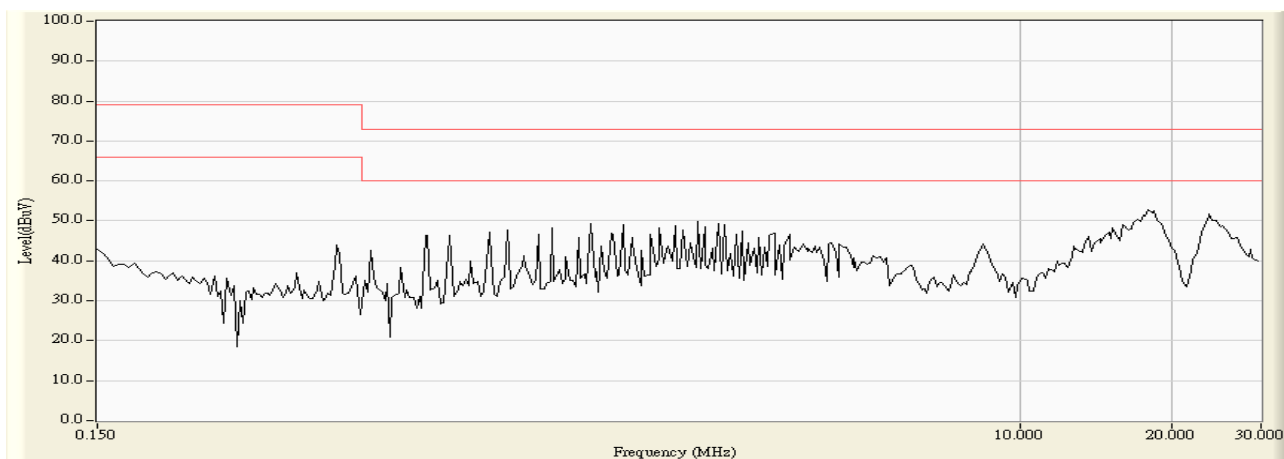


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.582	30.980	40.562	-25.438	66.000	AVERAGE
2		0.673	9.583	32.850	42.433	-17.567	60.000	AVERAGE
3		1.420	9.596	34.870	44.466	-15.534	60.000	AVERAGE
4		3.283	9.674	33.410	43.084	-16.916	60.000	AVERAGE
5		8.752	9.999	25.170	35.169	-24.831	60.000	AVERAGE
6	*	23.271	10.763	44.580	55.343	-4.657	60.000	AVERAGE

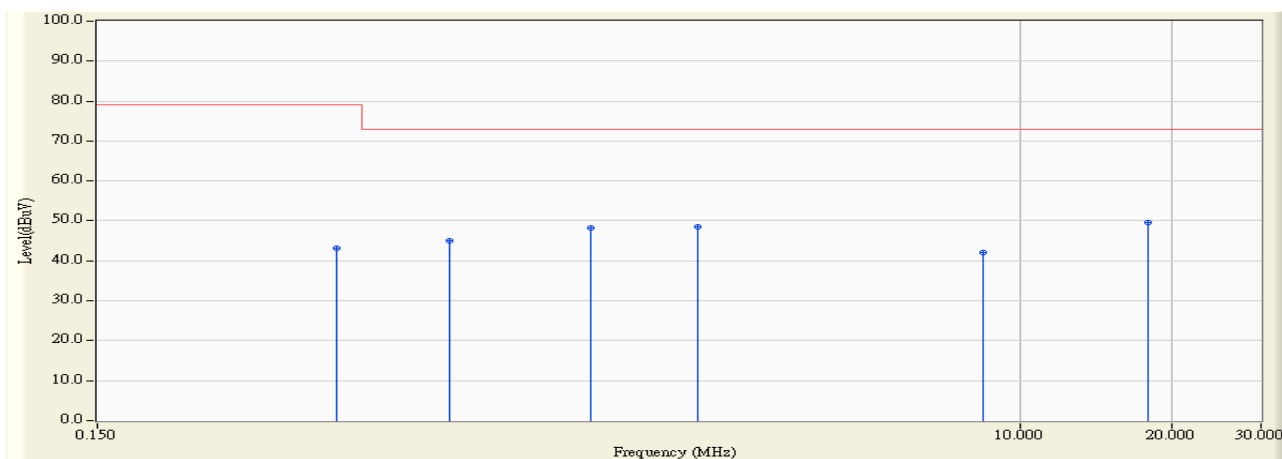
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:31
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 11



Site : SR1	Time : 2013/04/10 - 15:32
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 11

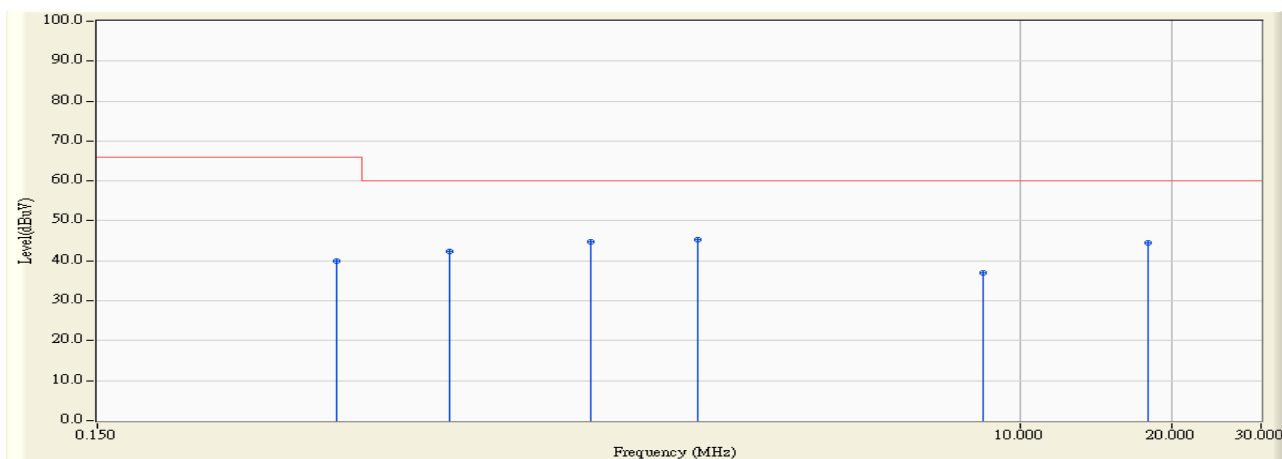


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.662	33.440	43.102	-35.898	79.000	QUASIPeAK
2		0.748	9.673	35.500	45.173	-27.827	73.000	QUASIPeAK
3		1.416	9.686	38.460	48.146	-24.854	73.000	QUASIPeAK
4		2.310	9.713	38.940	48.653	-24.347	73.000	QUASIPeAK
5		8.466	10.002	32.090	42.092	-30.908	73.000	QUASIPeAK
6	*	17.966	10.248	39.390	49.638	-23.362	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:32
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_L1 - Line1
Power : AC 230V/50Hz	Note : Mode 11

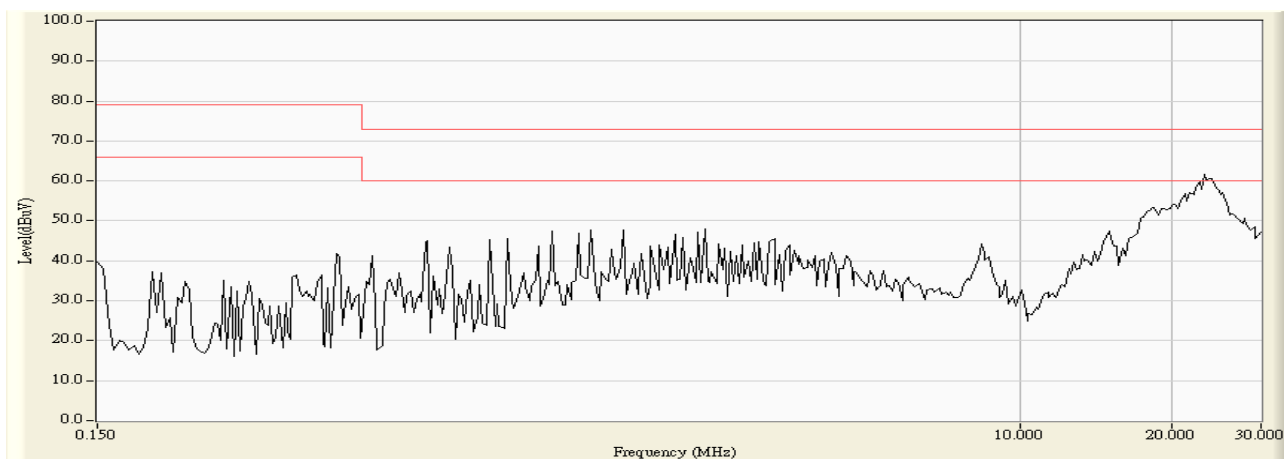


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.662	30.360	40.022	-25.978	66.000	AVERAGE
2		0.748	9.673	32.600	42.273	-17.727	60.000	AVERAGE
3		1.416	9.686	35.030	44.716	-15.284	60.000	AVERAGE
4	*	2.310	9.713	35.480	45.193	-14.807	60.000	AVERAGE
5		8.466	10.002	27.100	37.102	-22.898	60.000	AVERAGE
6		17.966	10.248	34.180	44.428	-15.572	60.000	AVERAGE

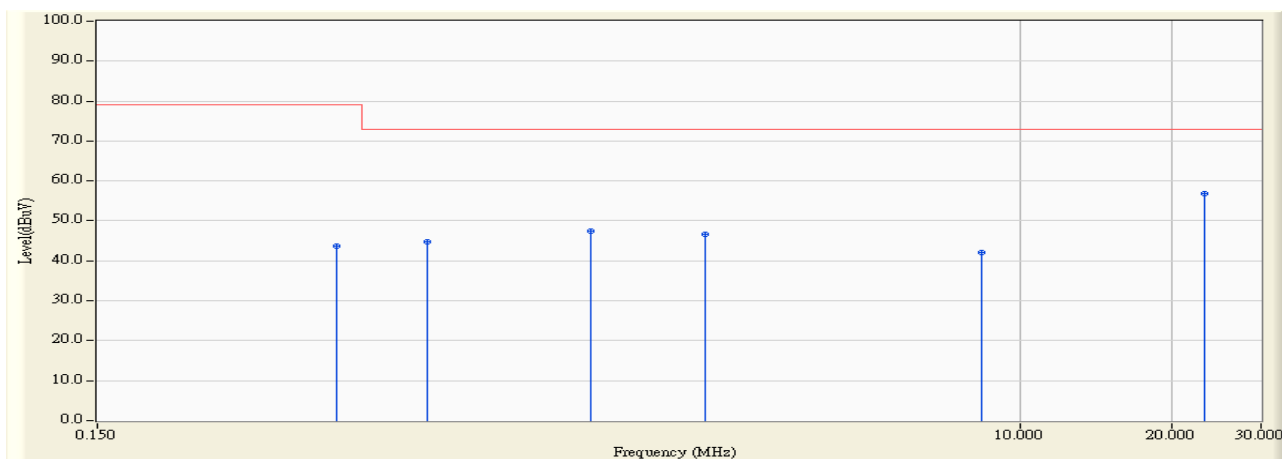
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:32
Limit : CISPR_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 11



Site : SR1	Time : 2013/04/10 - 15:33
Limit : CISPR_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 11

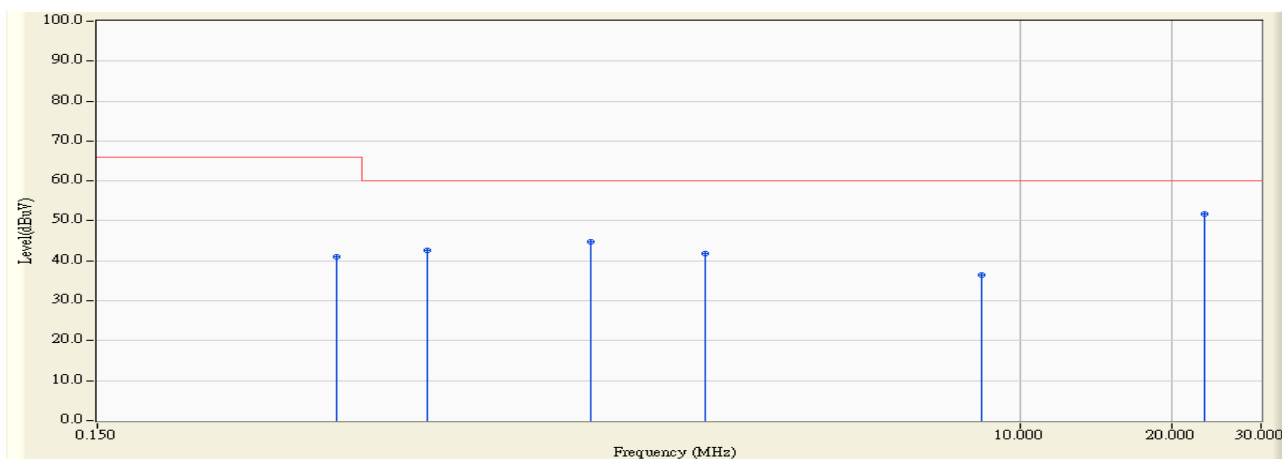


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.662	34.080	43.742	-35.258	79.000	QUASIPeAK
2		0.673	9.663	35.070	44.733	-28.267	73.000	QUASIPeAK
3		1.416	9.686	37.900	47.586	-25.414	73.000	QUASIPeAK
4		2.384	9.726	36.810	46.536	-26.464	73.000	QUASIPeAK
5		8.404	10.000	32.070	42.070	-30.930	73.000	QUASIPeAK
6	*	23.189	10.391	46.340	56.731	-16.269	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:33
Limit : CISPR_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : ENV_216_N - Line2
Power : AC 230V/50Hz	Note : Mode 11



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.662	31.250	40.912	-25.088	66.000	AVERAGE
2		0.673	9.663	32.930	42.593	-17.407	60.000	AVERAGE
3		1.416	9.686	35.080	44.766	-15.234	60.000	AVERAGE
4		2.384	9.726	32.180	41.906	-18.094	60.000	AVERAGE
5		8.404	10.000	26.390	36.390	-23.610	60.000	AVERAGE
6	*	23.189	10.391	41.440	51.831	-8.169	60.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

3.7. Test Photograph

Test Mode : Mode 1: D-SUB1 (1920*1200/60Hz)

Description : Front View of Conducted Test



Test Mode : Mode 1: D-SUB1 (1920*1200/60Hz)

Description : Back View of Conducted Test



Test Mode : Mode 2: D-SUB1 (1600*1200/60Hz)

Description : Front View of Conducted Test



Test Mode : Mode 2: D-SUB1 (1600*1200/60Hz)

Description : Back View of Conducted Test



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Front View of Conducted Test



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Back View of Conducted Test



Test Mode : Mode 4: D-SUB3 (1920*1200/60Hz)

Description : Front View of Conducted Test



Test Mode : Mode 4: D-SUB3 (1920*1200/60Hz)

Description : Back View of Conducted Test



Test Mode : Mode 5: HDMI 1080P (1920*1080/60Hz)

Description : Front View of Conducted Test



Test Mode : Mode 5: HDMI 1080P (1920*1080/60Hz)

Description : Back View of Conducted Test



Test Mode : Mode 6: Display Port 1080P (1920*1080/60Hz)

Description : Front View of Conducted Test



Test Mode : Mode 6: Display Port 1080P (1920*1080/60Hz)

Description : Back View of Conducted Test



Test Mode : Mode 7: USB play video (720P) with inner USB

Description : Front View of Conducted Test



Test Mode : Mode 7: USB play video (720P) with inner USB

Description : Back View of Conducted Test



Test Mode : Mode 8: Video Color bar

Description : Front View of Conducted Test



Test Mode : Mode 8: Video Color bar

Description : Back View of Conducted Test



Test Mode : Mode 9: S-Video Color bar

Description : Front View of Conducted Test



Test Mode : Mode 9: S-Video Color bar

Description : Back View of Conducted Test



Test Mode : Mode 10: 3D DVI

Description : Front View of Conducted Test



Test Mode : Mode 10: 3D DVI

Description : Back View of Conducted Test



Test Mode : Mode 11: SDI

Description : Front View of Conducted Test



Test Mode : Mode 11: SDI

Description : Back View of Conducted Test

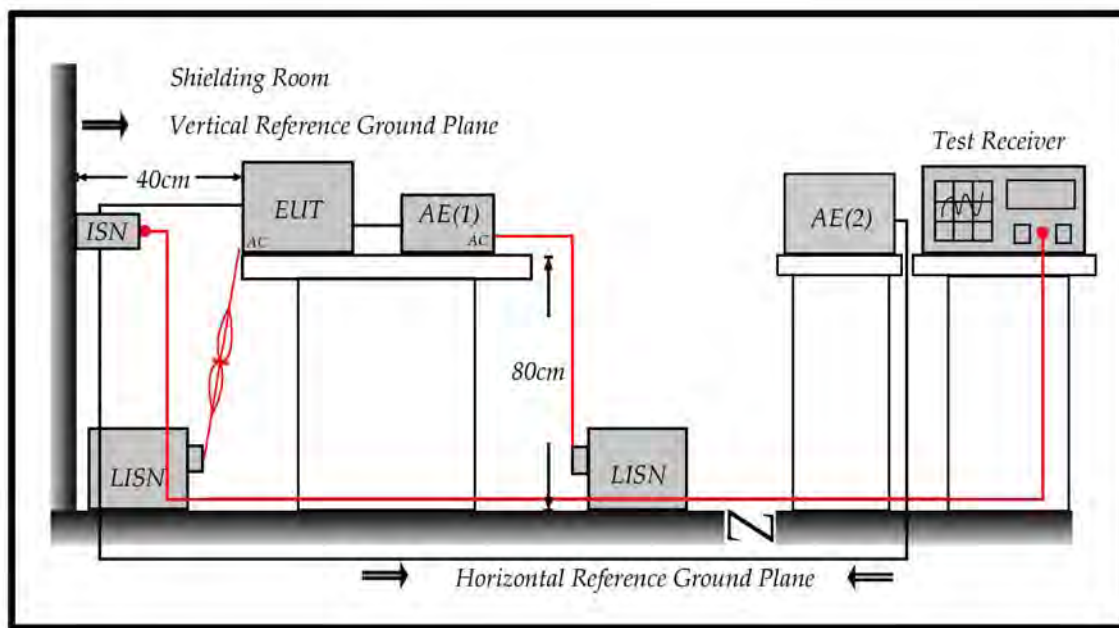


4. Conducted Emissions (Telecommunication Ports)

4.1. Test Specification

According to EMC Standard : EN 55022 and AS/NZS CISPR 22

4.2. Test Setup



4.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	97 – 87	84 – 74
0.50 - 30	87	74

Remarks:

The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz~0.50 MHz.

4.4. Test Procedure

Telecommunication Port:

The mains voltage shall be supplied to the EUT via the LISN when the measurement of telecommunication port is performed. The common mode disturbances at the telecommunication port shall be connected to the ISN, which is 150 ohm impedance.

Both alternative cables are tested related to the LCL requested. The measurement range is from 150kHz to 30MHz. The bandwidth of measurement is set to 9kHz.

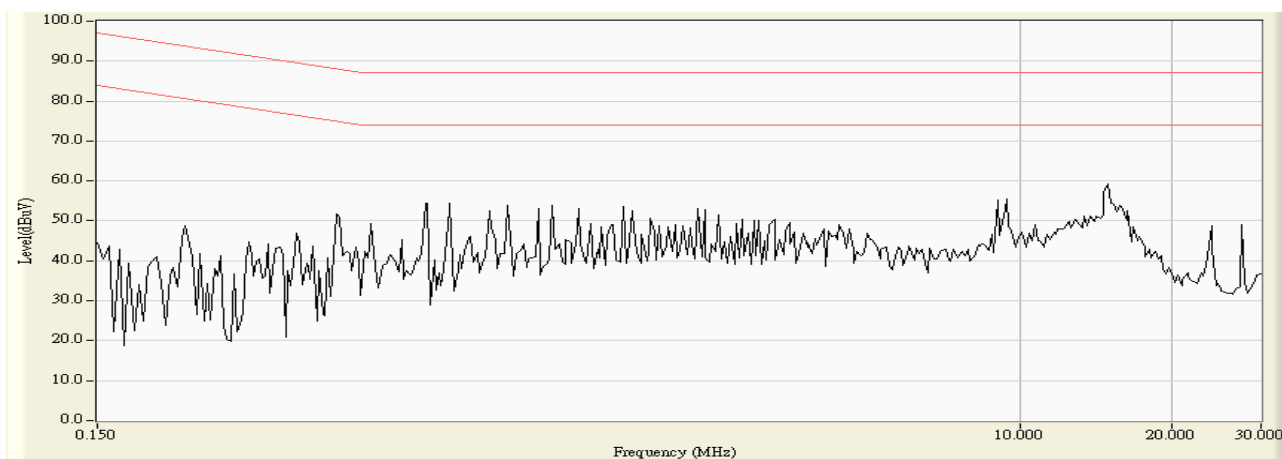
The 75dB LCL ISN is used for cat. 6 cable, the 65dB LCL ISN is used for cat. 5 cable, 55dB LCL ISN is used for cat. 3.

4.5. Deviation from Test Standard

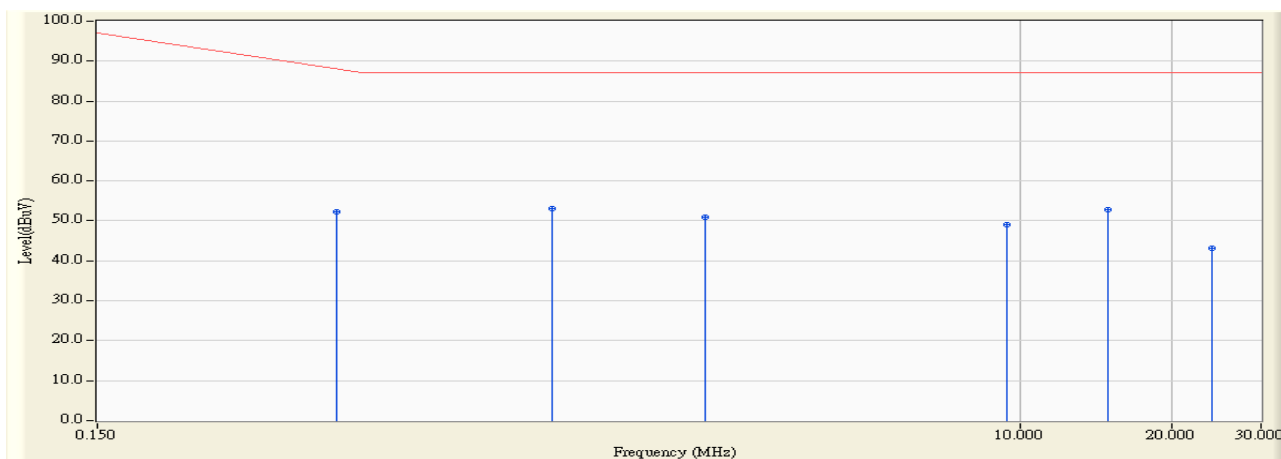
No deviation.

4.6. Test Result

Site : SR1	Time : 2013/03/20 - 16:00
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 1, ISN 10M



Site : SR1	Time : 2013/03/20 - 16:00
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 1, ISN 10M

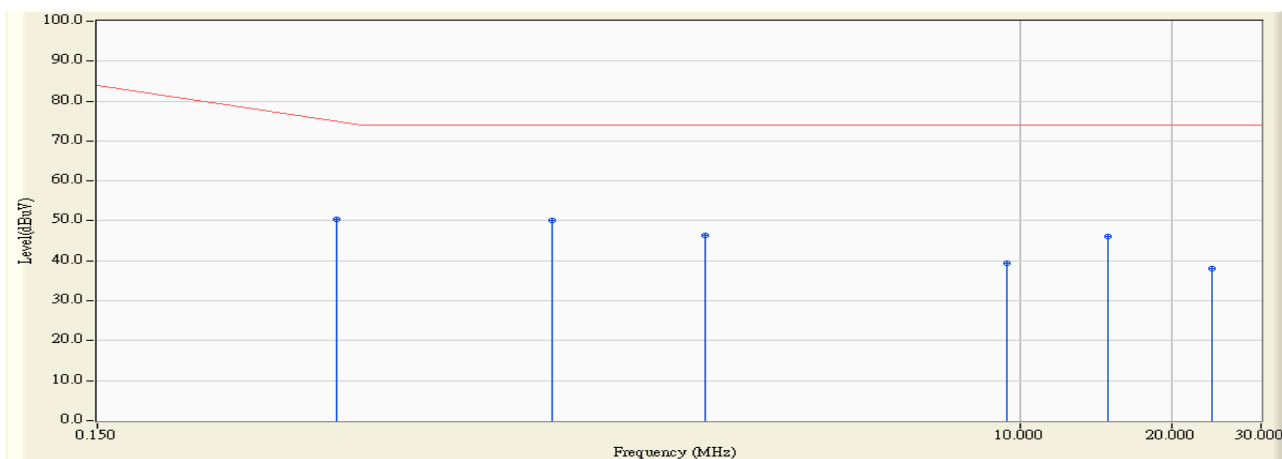


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.370	52.354	-36.160	88.514	QUASIPeAK
2	*	1.193	9.835	43.370	53.205	-33.795	87.000	QUASIPeAK
3		2.384	9.776	41.220	50.996	-36.004	87.000	QUASIPeAK
4		9.404	9.895	39.230	49.125	-37.875	87.000	QUASIPeAK
5		14.947	9.928	42.780	52.708	-34.292	87.000	QUASIPeAK
6		23.947	10.235	32.910	43.145	-43.855	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:00
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 1, ISN 10M

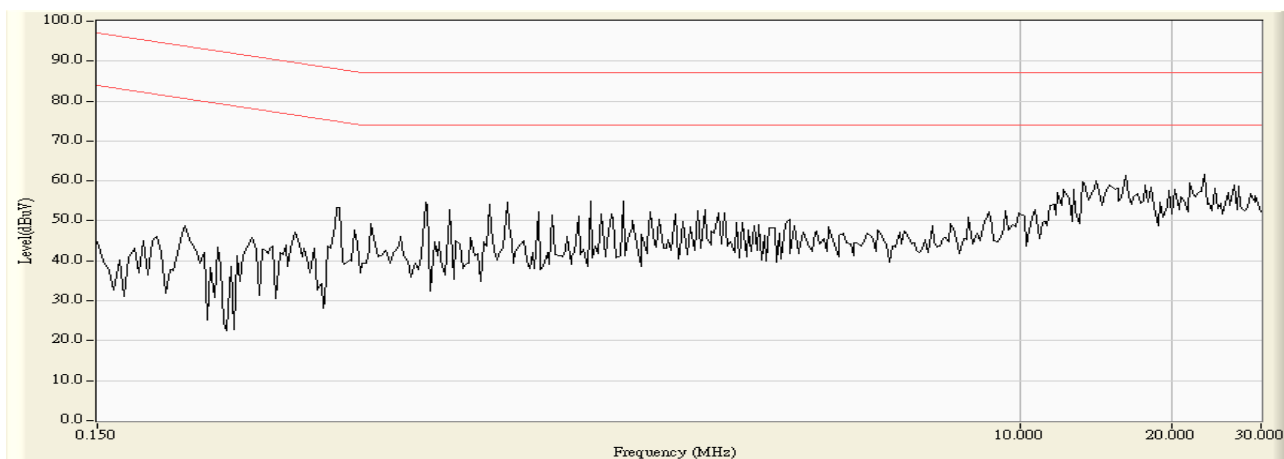


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	40.460	50.444	-25.070	75.514	AVERAGE
2	*	1.193	9.835	40.340	50.175	-23.825	74.000	AVERAGE
3		2.384	9.776	36.670	46.446	-27.554	74.000	AVERAGE
4		9.404	9.895	29.580	39.475	-34.525	74.000	AVERAGE
5		14.947	9.928	36.190	46.118	-27.882	74.000	AVERAGE
6		23.947	10.235	27.940	38.175	-35.825	74.000	AVERAGE

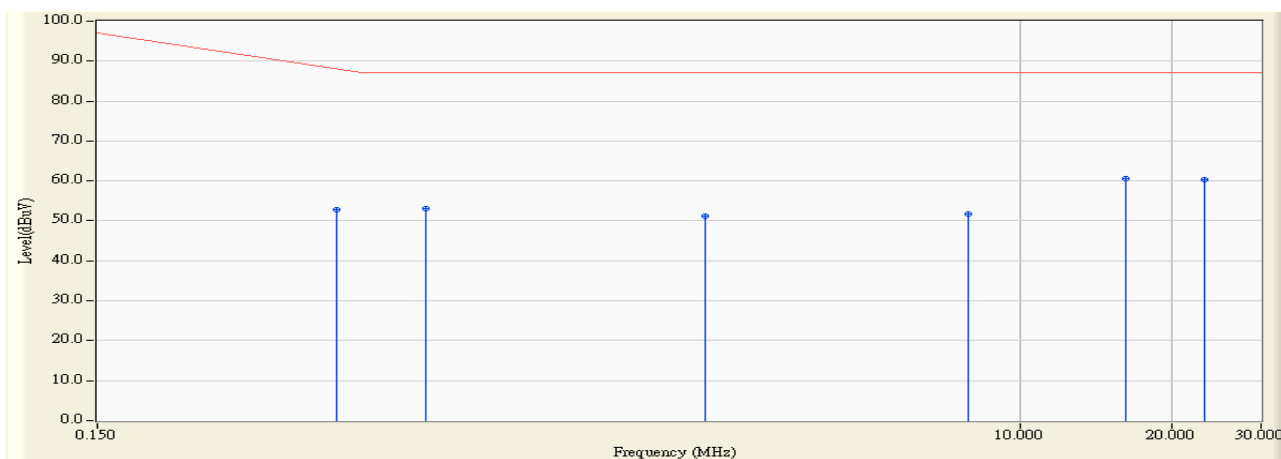
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 15:58
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 1, ISN 100M



Site : SR1	Time : 2013/03/20 - 15:59
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 1, ISN 100M

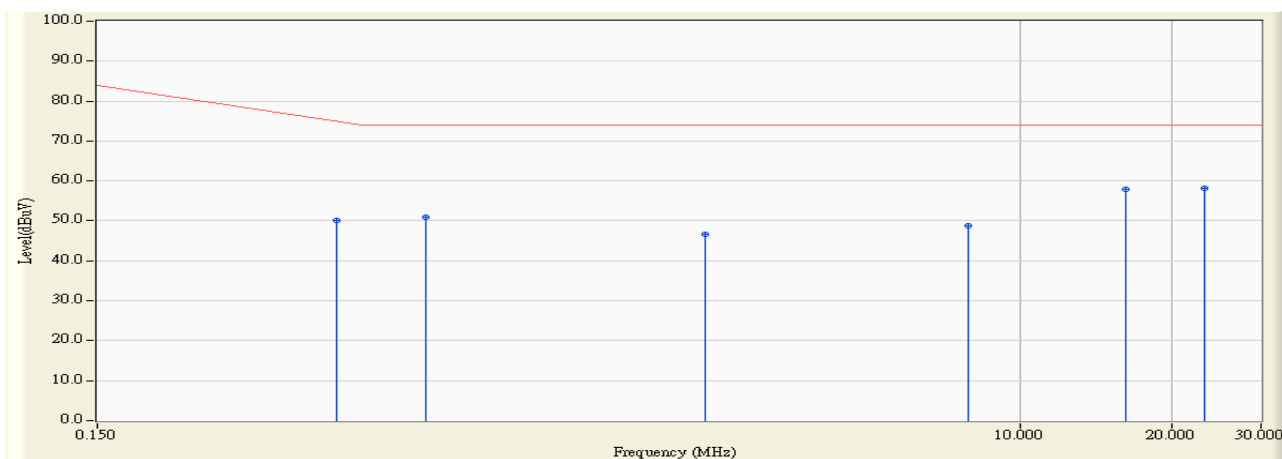


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.770	52.754	-35.760	88.514	QUASIPeAK
2		0.670	9.909	43.160	53.069	-33.931	87.000	QUASIPeAK
3		2.384	9.776	41.300	51.076	-35.924	87.000	QUASIPeAK
4		7.923	9.870	41.790	51.660	-35.340	87.000	QUASIPeAK
5	*	16.228	9.955	50.720	60.675	-26.325	87.000	QUASIPeAK
6		23.130	10.200	50.170	60.370	-26.630	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 15:59
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 1, ISN 100M

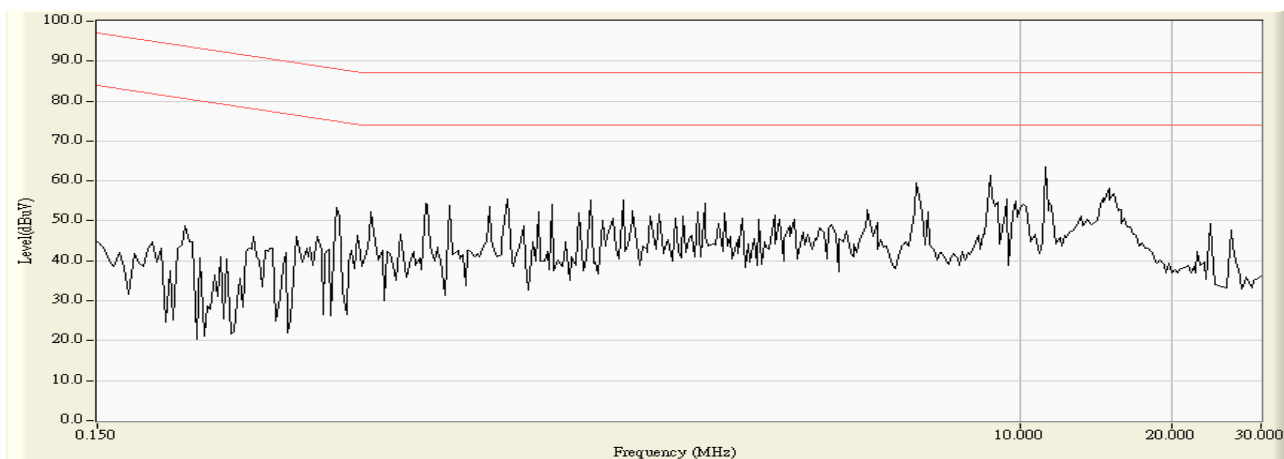


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	40.120	50.104	-25.410	75.514	AVERAGE
2		0.670	9.909	41.020	50.929	-23.071	74.000	AVERAGE
3		2.384	9.776	36.920	46.696	-27.304	74.000	AVERAGE
4		7.923	9.870	38.850	48.720	-25.280	74.000	AVERAGE
5		16.228	9.955	48.040	57.995	-16.005	74.000	AVERAGE
6	*	23.130	10.200	48.020	58.220	-15.780	74.000	AVERAGE

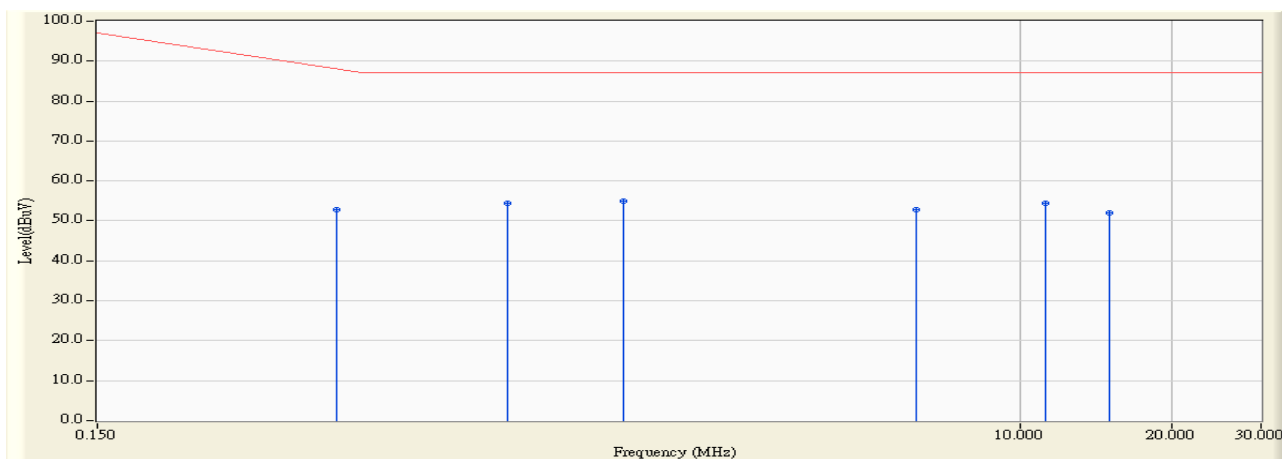
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:55
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 2, ISN 10M



Site : SR1	Time : 2013/03/20 - 16:55
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 2, ISN 10M

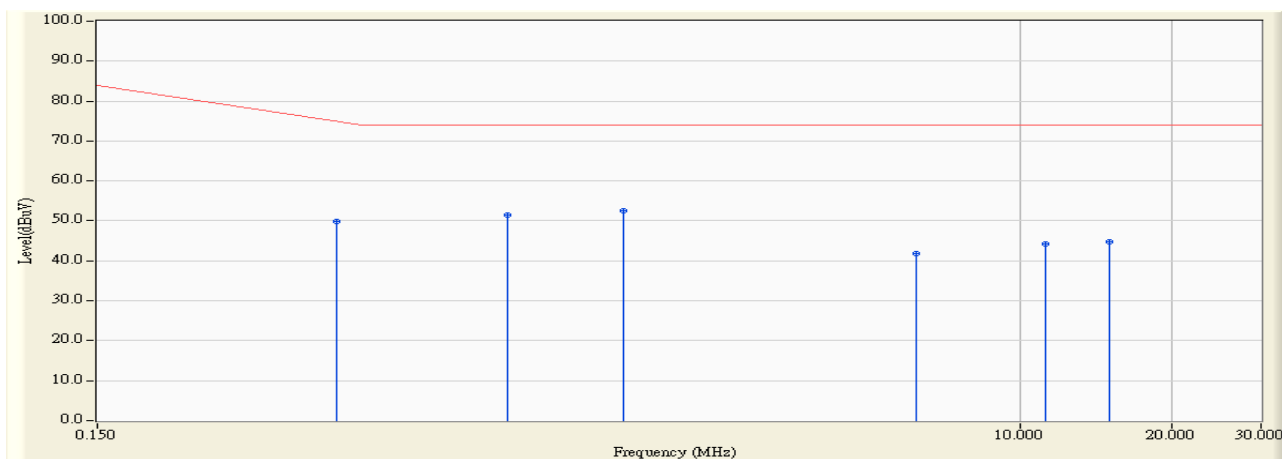


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.810	52.794	-35.720	88.514	QUASIPeAK
2		0.970	9.849	44.570	54.420	-32.580	87.000	QUASIPeAK
3	*	1.642	9.807	45.190	54.997	-32.003	87.000	QUASIPeAK
4		6.252	9.842	42.940	52.782	-34.218	87.000	QUASIPeAK
5		11.252	9.910	44.580	54.490	-32.510	87.000	QUASIPeAK
6		15.005	9.928	42.000	51.928	-35.072	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:55
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 2, ISN 10M

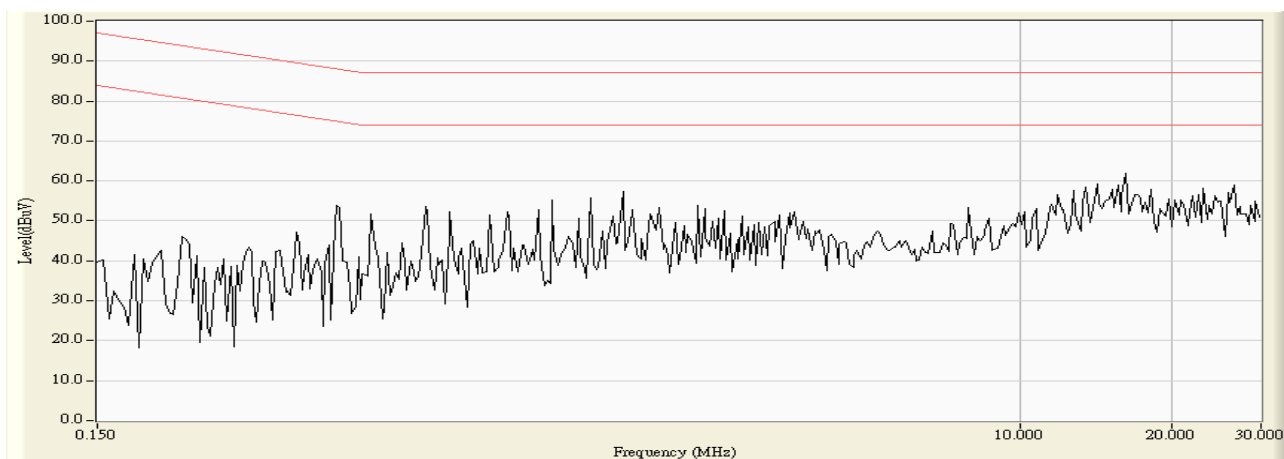


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	39.890	49.874	-25.640	75.514	AVERAGE
2		0.970	9.849	41.680	51.530	-22.470	74.000	AVERAGE
3	*	1.642	9.807	42.620	52.427	-21.573	74.000	AVERAGE
4		6.252	9.842	31.880	41.722	-32.278	74.000	AVERAGE
5		11.252	9.910	34.440	44.350	-29.650	74.000	AVERAGE
6		15.005	9.928	34.900	44.828	-29.172	74.000	AVERAGE

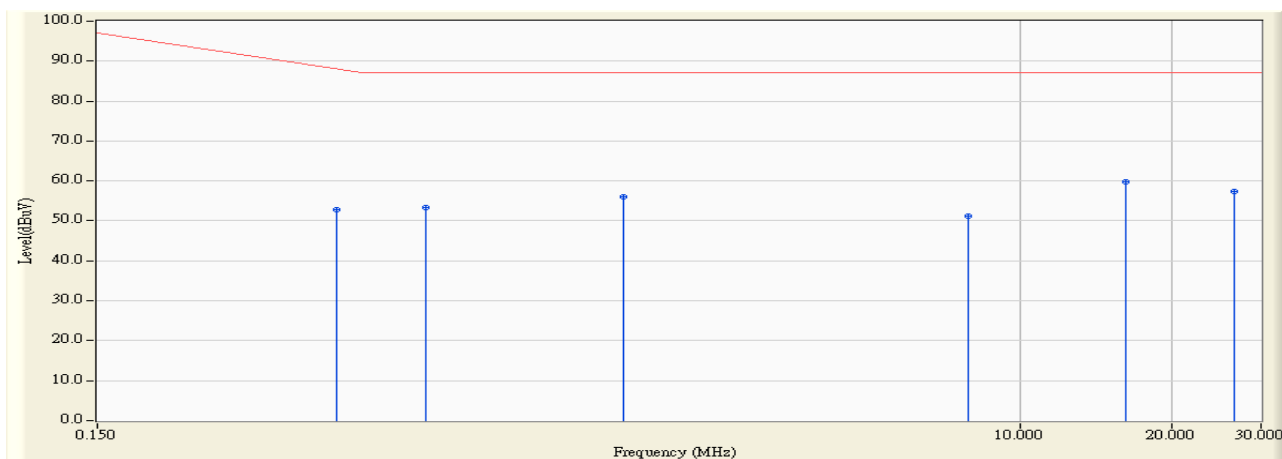
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:55
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 2, ISN 100M



Site : SR1	Time : 2013/03/20 - 16:55
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 2, ISN 100M

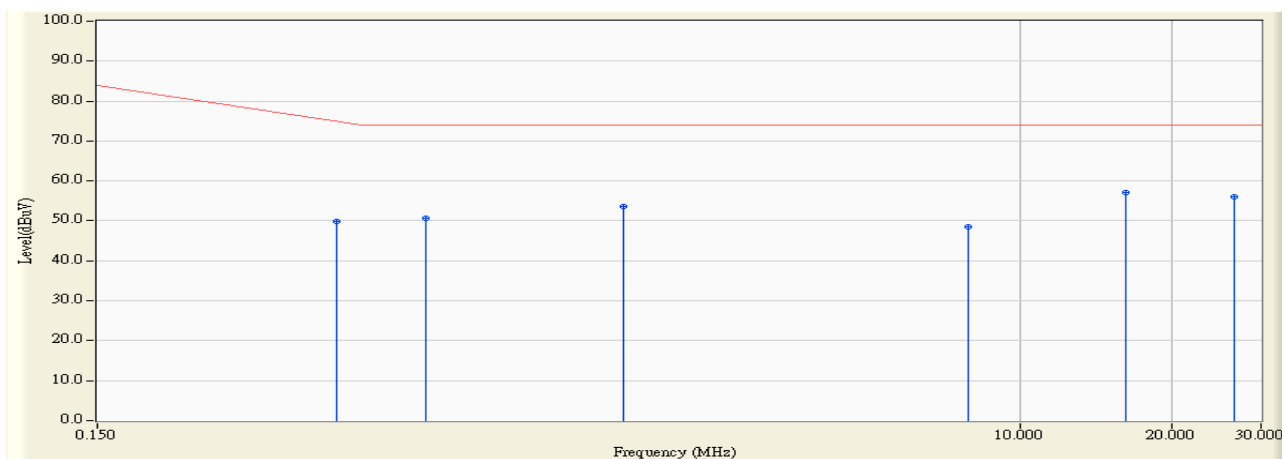


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.910	52.894	-35.620	88.514	QUASIPeAK
2		0.670	9.909	43.460	53.369	-33.631	87.000	QUASIPeAK
3		1.642	9.807	46.270	56.077	-30.923	87.000	QUASIPeAK
4		7.923	9.870	41.410	51.280	-35.720	87.000	QUASIPeAK
5	*	16.166	9.954	49.840	59.794	-27.206	87.000	QUASIPeAK
6		26.611	10.354	47.150	57.504	-29.496	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:55
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 2, ISN 100M

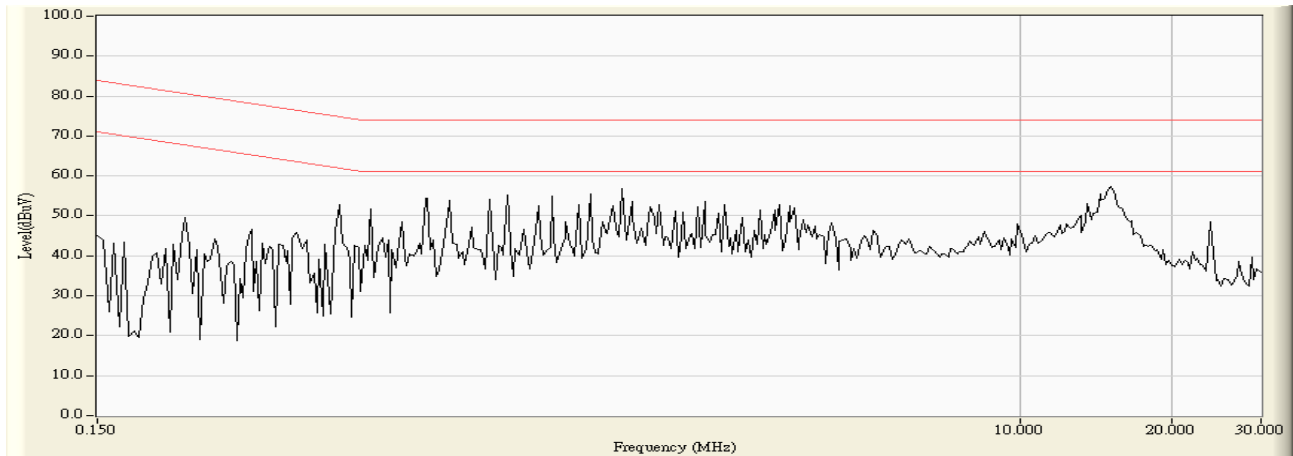


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	39.890	49.874	-25.640	75.514	AVERAGE
2		0.670	9.909	40.770	50.679	-23.321	74.000	AVERAGE
3		1.642	9.807	43.760	53.567	-20.433	74.000	AVERAGE
4		7.923	9.870	38.650	48.520	-25.480	74.000	AVERAGE
5	*	16.166	9.954	47.020	56.974	-17.026	74.000	AVERAGE
6		26.611	10.354	45.550	55.904	-18.096	74.000	AVERAGE

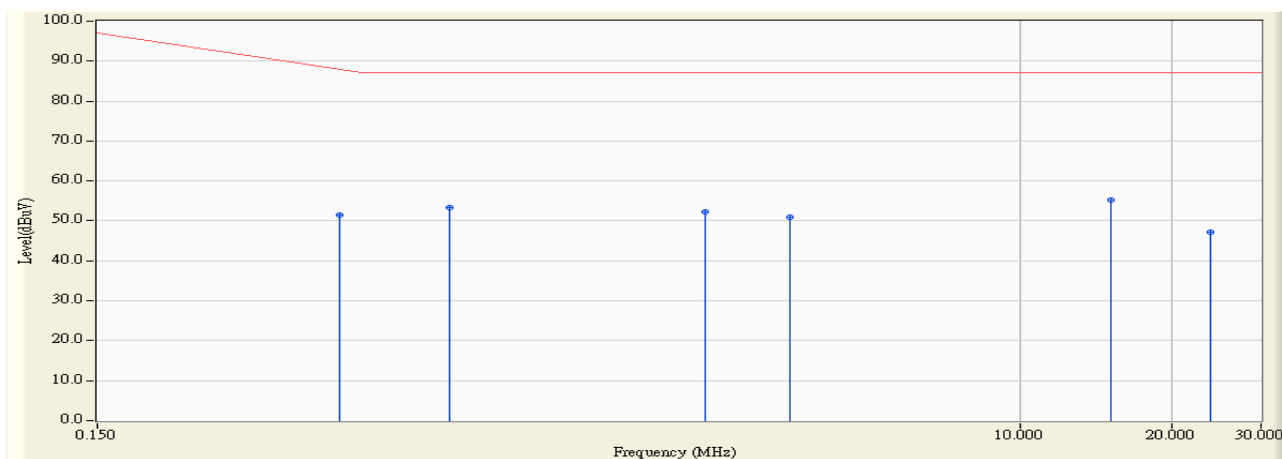
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:59
Limit : ISN_Voltage_A_00M_AV	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 3, ISN 10M



Site : SR1	Time : 2013/03/20 - 17:00
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 3, ISN 10M

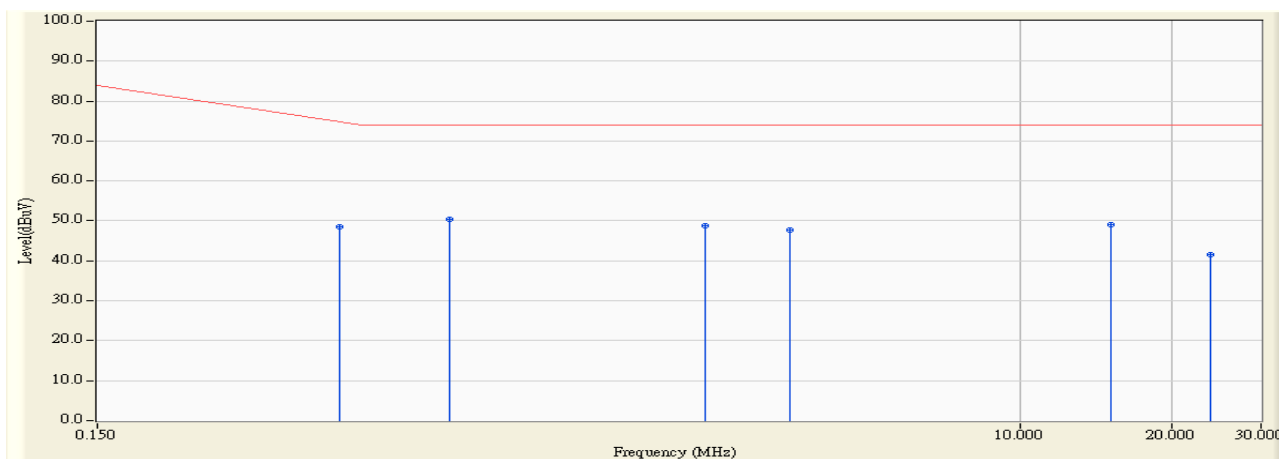


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	41.530	51.510	-36.890	88.400	QUASIPeAK
2		0.748	9.893	43.470	53.363	-33.637	87.000	QUASIPeAK
3		2.388	9.776	42.620	52.396	-34.604	87.000	QUASIPeAK
4		3.505	9.797	41.210	51.007	-35.993	87.000	QUASIPeAK
5	*	15.134	9.929	45.430	55.359	-31.641	87.000	QUASIPeAK
6		23.904	10.234	36.850	47.084	-39.916	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 17:00
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 3, ISN 10M

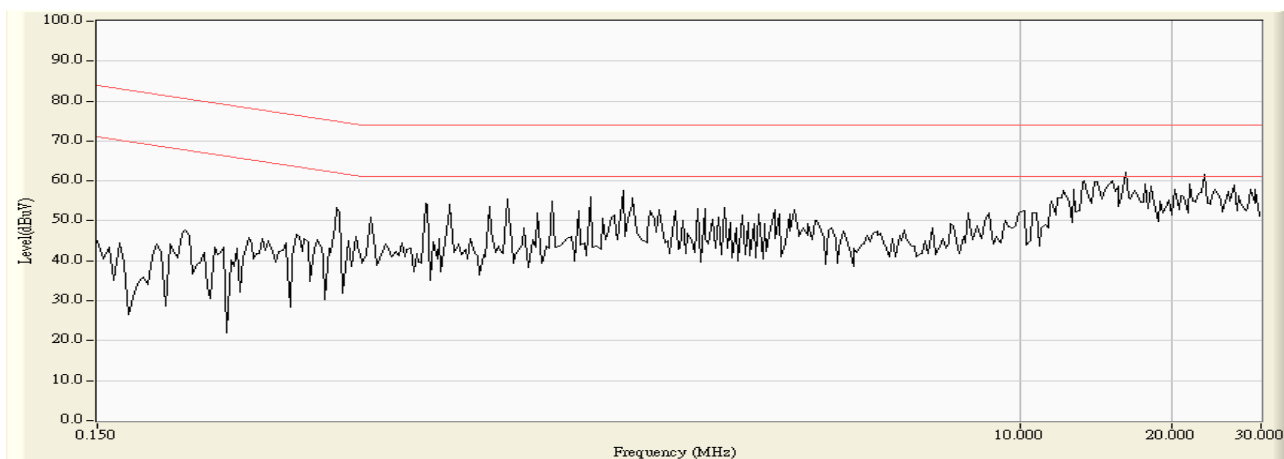


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.451	9.980	38.450	48.430	-26.970	75.400	AVERAGE
2	*	0.748	9.893	40.440	50.333	-23.667	74.000	AVERAGE
3		2.388	9.776	39.010	48.786	-25.214	74.000	AVERAGE
4		3.505	9.797	38.020	47.817	-26.183	74.000	AVERAGE
5		15.134	9.929	39.140	49.069	-24.931	74.000	AVERAGE
6		23.904	10.234	31.280	41.514	-32.486	74.000	AVERAGE

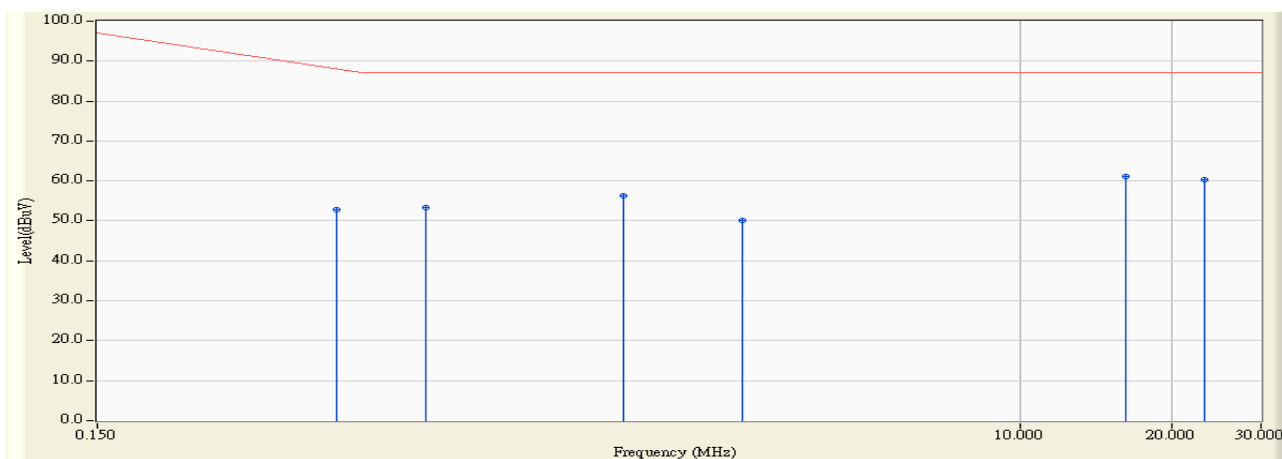
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:57
Limit : ISN_Voltage_A_00M_AV	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 3, ISN 100M



Site : SR1	Time : 2013/03/20 - 16:58
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 3, ISN 100M

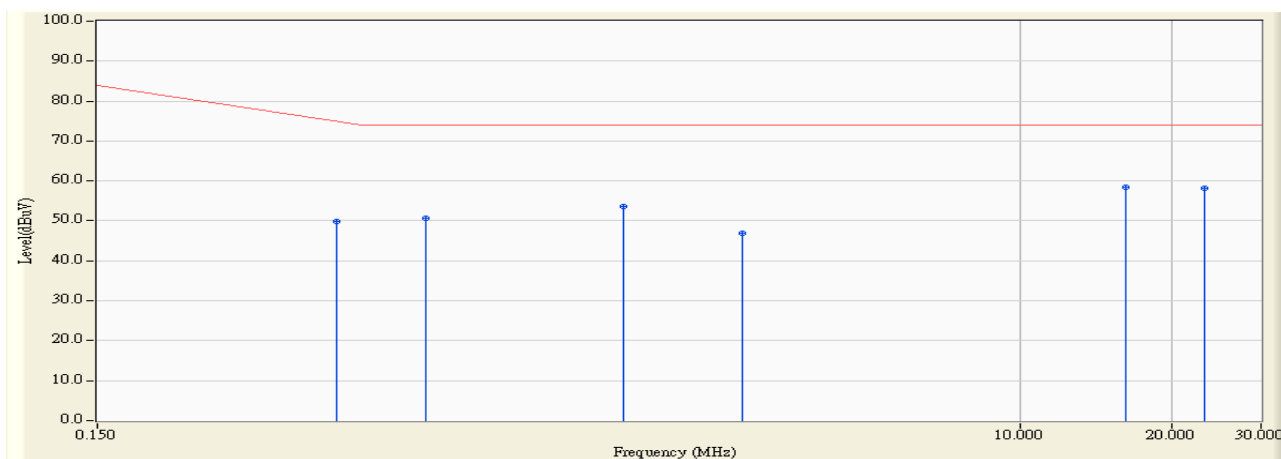


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.870	52.854	-35.660	88.514	QUASIPeAK
2		0.670	9.909	43.500	53.409	-33.591	87.000	QUASIPeAK
3		1.642	9.807	46.390	56.197	-30.803	87.000	QUASIPeAK
4		2.834	9.790	40.230	50.020	-36.980	87.000	QUASIPeAK
5	*	16.228	9.955	51.290	61.245	-25.755	87.000	QUASIPeAK
6		23.130	10.200	50.050	60.250	-26.750	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 16:58
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 3, ISN 100M

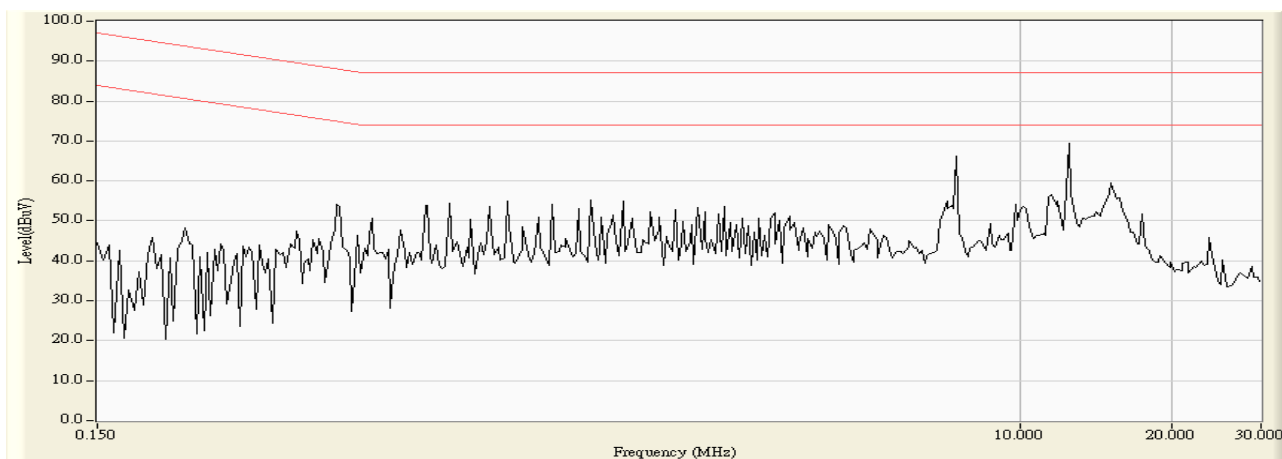


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	39.950	49.934	-25.580	75.514	AVERAGE
2		0.670	9.909	40.820	50.729	-23.271	74.000	AVERAGE
3		1.642	9.807	43.900	53.707	-20.293	74.000	AVERAGE
4		2.834	9.790	37.180	46.970	-27.030	74.000	AVERAGE
5	*	16.228	9.955	48.470	58.425	-15.575	74.000	AVERAGE
6		23.130	10.200	48.060	58.260	-15.740	74.000	AVERAGE

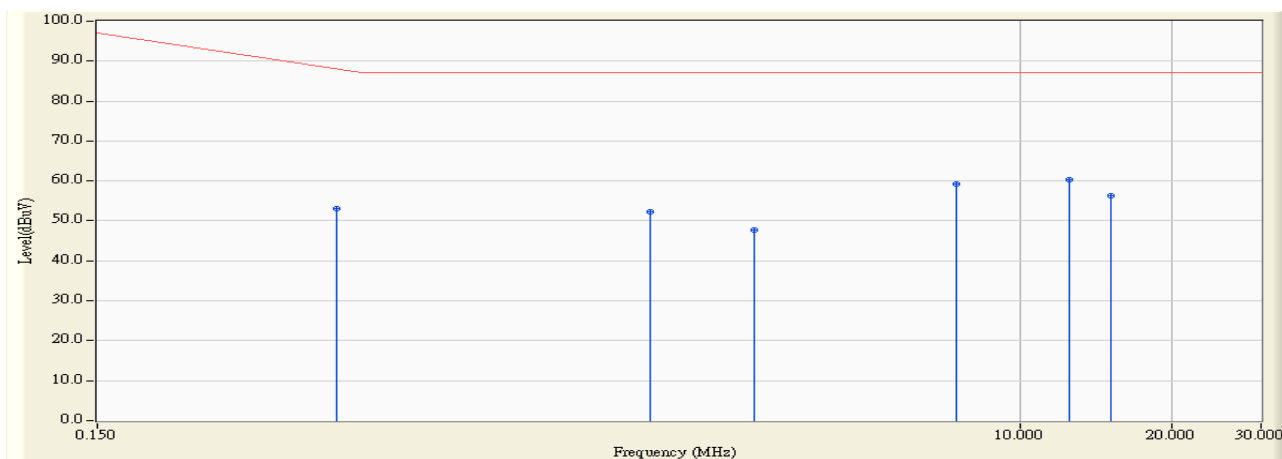
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:51
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 4, ISN 10M



Site : SR1	Time : 2013/03/20 - 18:51
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 4, ISN 10M

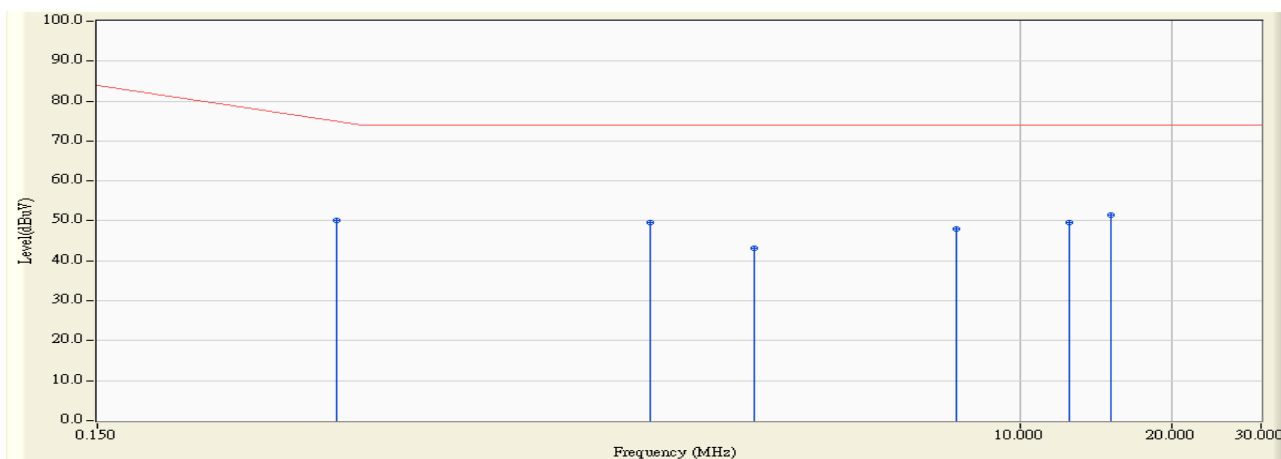


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	43.110	53.094	-35.420	88.514	QUASIPeAK
2		1.865	9.788	42.380	52.168	-34.832	87.000	QUASIPeAK
3		2.982	9.785	37.880	47.665	-39.335	87.000	QUASIPeAK
4		7.502	9.867	49.300	59.167	-27.833	87.000	QUASIPeAK
5	*	12.502	9.918	50.380	60.298	-26.702	87.000	QUASIPeAK
6		15.134	9.929	46.490	56.419	-30.581	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:51
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 4, ISN 10M

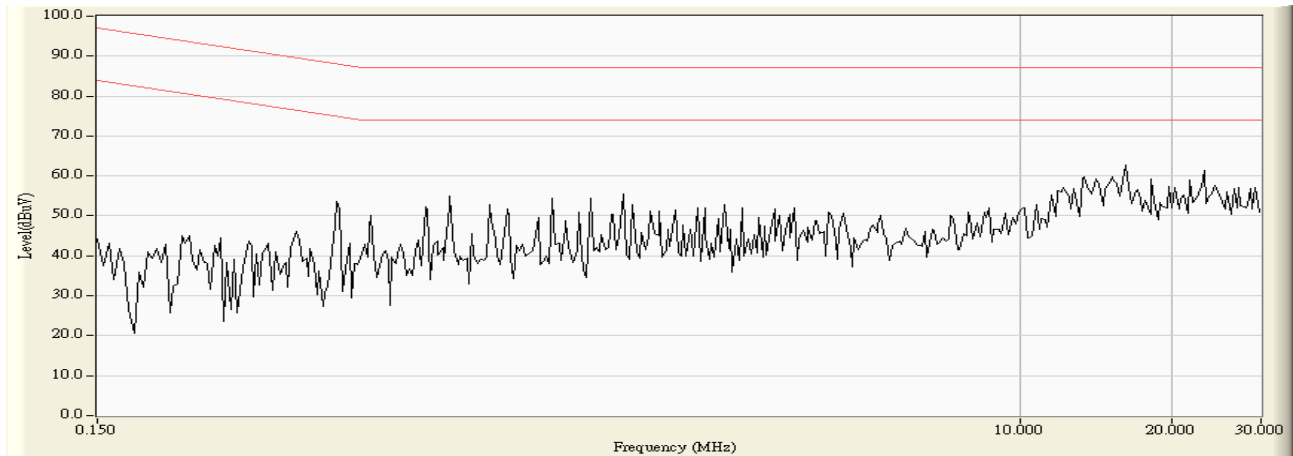


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	40.180	50.164	-25.350	75.514	AVERAGE
2		1.865	9.788	39.690	49.478	-24.522	74.000	AVERAGE
3		2.982	9.785	33.410	43.195	-30.805	74.000	AVERAGE
4		7.502	9.867	38.200	48.067	-25.933	74.000	AVERAGE
5		12.502	9.918	39.570	49.488	-24.512	74.000	AVERAGE
6	*	15.134	9.929	41.590	51.519	-22.481	74.000	AVERAGE

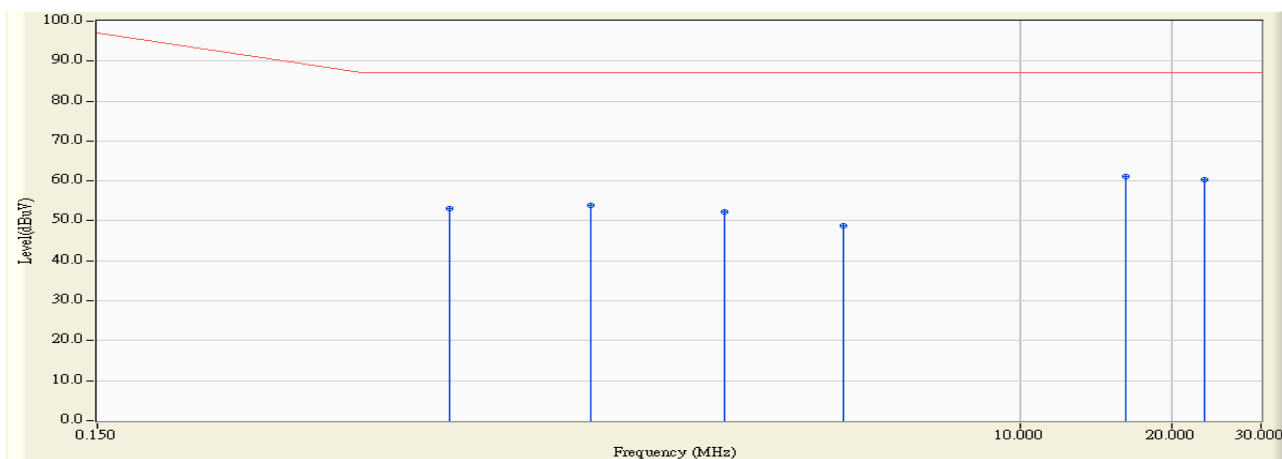
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:49
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 4, ISN 100M



Site : SR1	Time : 2013/03/20 - 18:50
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 4, ISN 100M

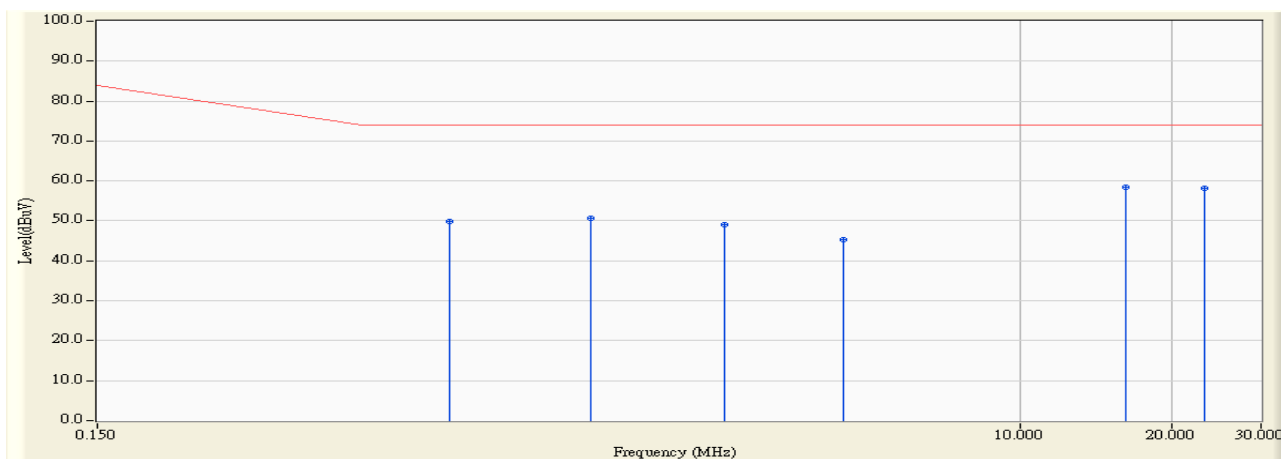


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.748	9.893	43.290	53.183	-33.817	87.000	QUASIPeAK
2		1.416	9.816	44.080	53.896	-33.104	87.000	QUASIPeAK
3		2.611	9.783	42.570	52.353	-34.647	87.000	QUASIPeAK
4		4.474	9.811	38.980	48.791	-38.209	87.000	QUASIPeAK
5	*	16.228	9.955	51.190	61.145	-25.855	87.000	QUASIPeAK
6		23.127	10.200	50.230	60.430	-26.570	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:50
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 4, ISN 100M

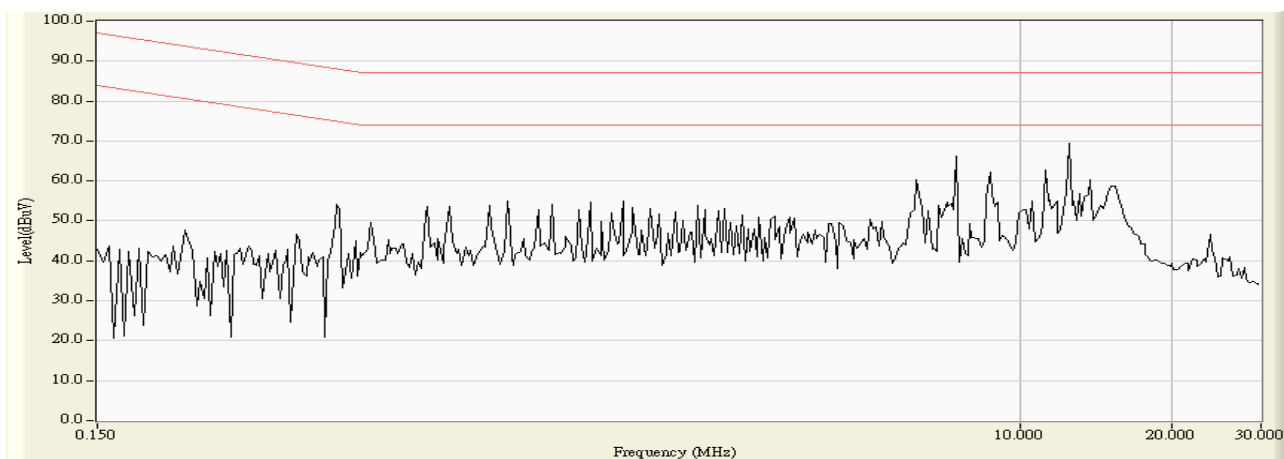


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.748	9.893	40.100	49.993	-24.007	74.000	AVERAGE
2		1.416	9.816	40.970	50.786	-23.214	74.000	AVERAGE
3		2.611	9.783	39.290	49.073	-24.927	74.000	AVERAGE
4		4.474	9.811	35.410	45.221	-28.779	74.000	AVERAGE
5	*	16.228	9.955	48.610	58.565	-15.435	74.000	AVERAGE
6		23.127	10.200	47.880	58.080	-15.920	74.000	AVERAGE

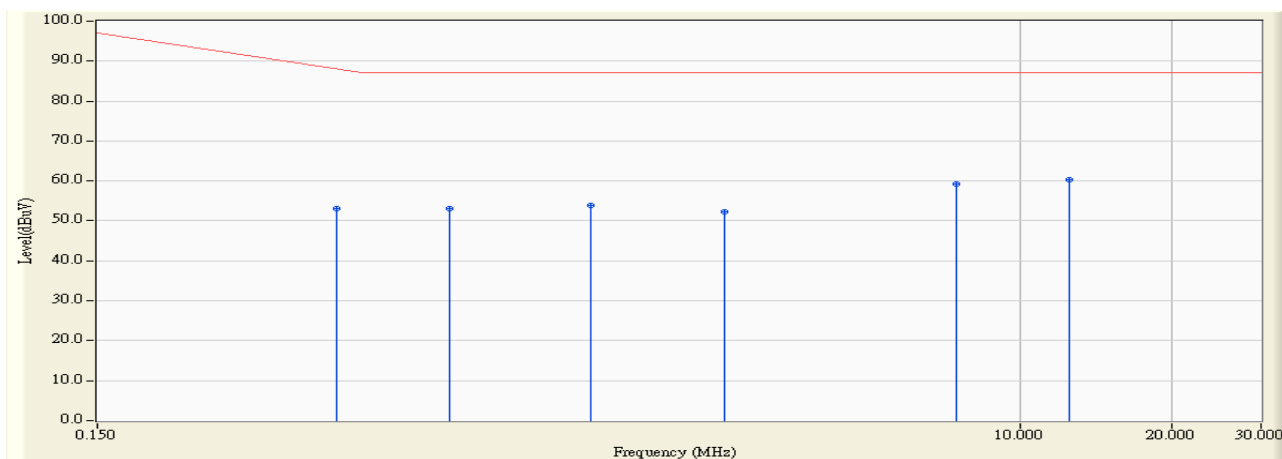
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:52
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 5, ISN 10M



Site : SR1	Time : 2013/03/20 - 18:53
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 5, ISN 10M

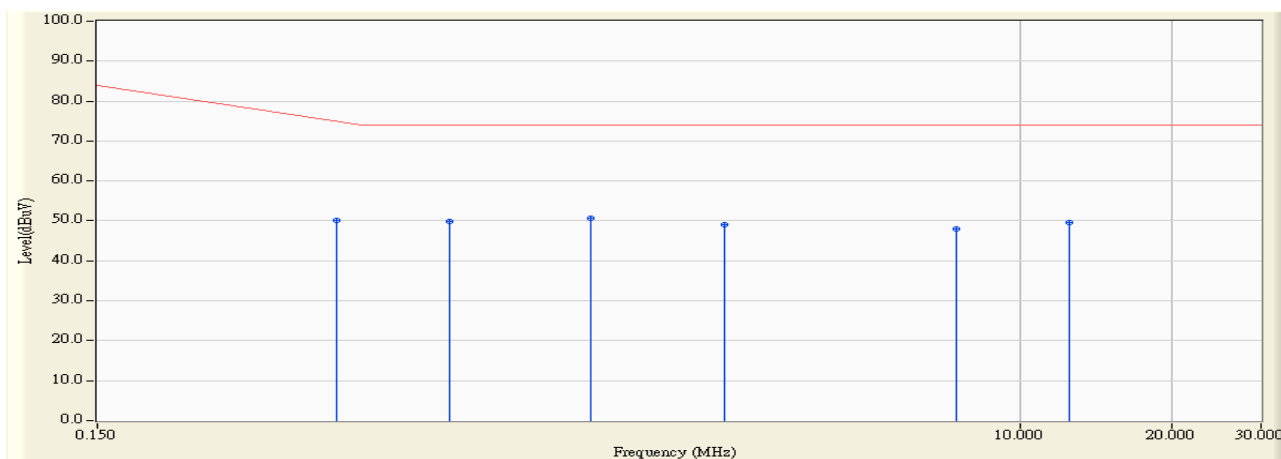


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	43.110	53.094	-35.420	88.514	QUASIPeAK
2		0.748	9.893	43.110	53.003	-33.997	87.000	QUASIPeAK
3		1.416	9.816	44.040	53.856	-33.144	87.000	QUASIPeAK
4		2.611	9.783	42.490	52.273	-34.727	87.000	QUASIPeAK
5		7.502	9.867	49.480	59.347	-27.653	87.000	QUASIPeAK
6	*	12.502	9.918	50.440	60.358	-26.642	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:53
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 5, ISN 10M

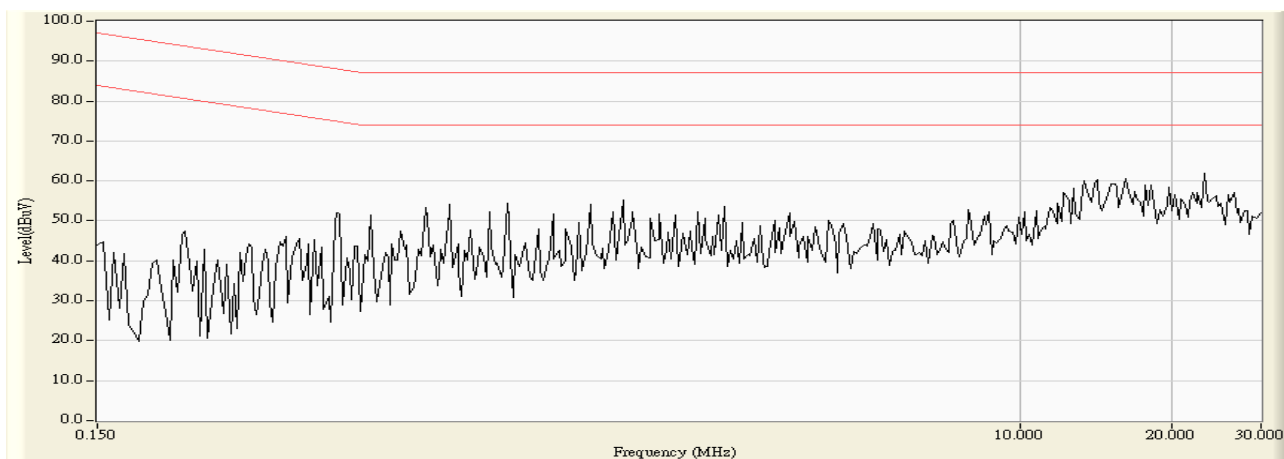


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.984	40.120	50.104	-25.410	75.514	AVERAGE
2		0.748	9.893	39.990	49.883	-24.117	74.000	AVERAGE
3	*	1.416	9.816	40.970	50.786	-23.214	74.000	AVERAGE
4		2.611	9.783	39.230	49.013	-24.987	74.000	AVERAGE
5		7.502	9.867	38.130	47.997	-26.003	74.000	AVERAGE
6		12.502	9.918	39.570	49.488	-24.512	74.000	AVERAGE

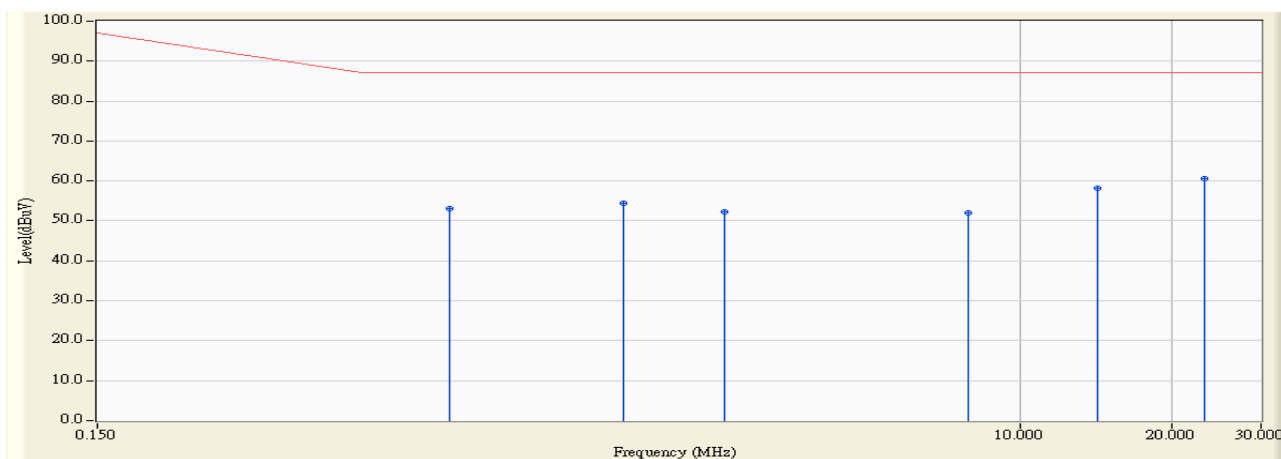
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:54
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 5, ISN 100M



Site : SR1	Time : 2013/03/20 - 18:54
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 5, ISN 100M

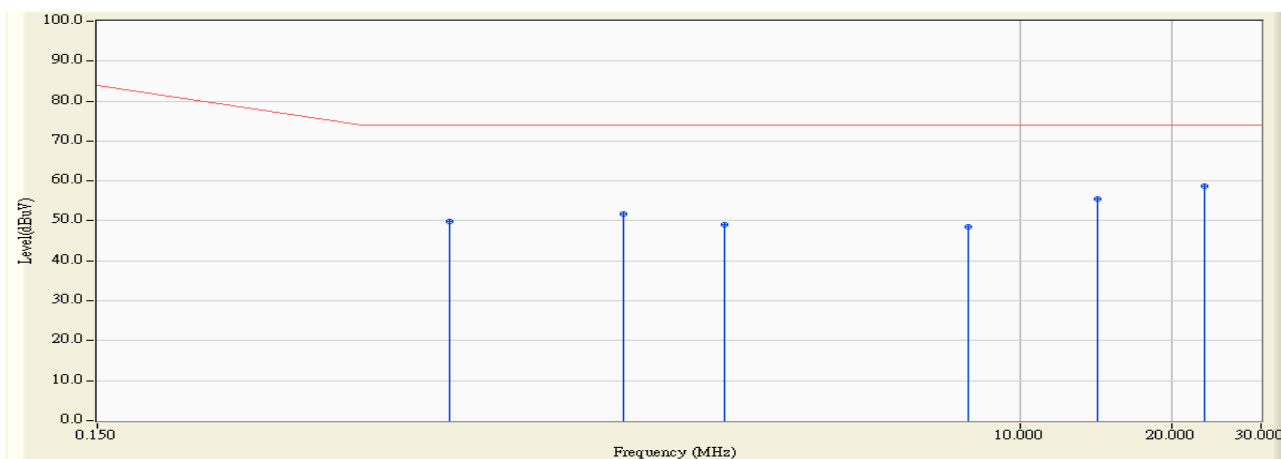


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.748	9.893	43.250	53.143	-33.857	87.000	QUASIPeAK
2		1.642	9.807	44.630	54.437	-32.563	87.000	QUASIPeAK
3		2.611	9.783	42.490	52.273	-34.727	87.000	QUASIPeAK
4		7.923	9.870	42.130	52.000	-35.000	87.000	QUASIPeAK
5		14.213	9.925	48.350	58.275	-28.725	87.000	QUASIPeAK
6	*	23.130	10.200	50.450	60.650	-26.350	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 18:54
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 5, ISN 100M

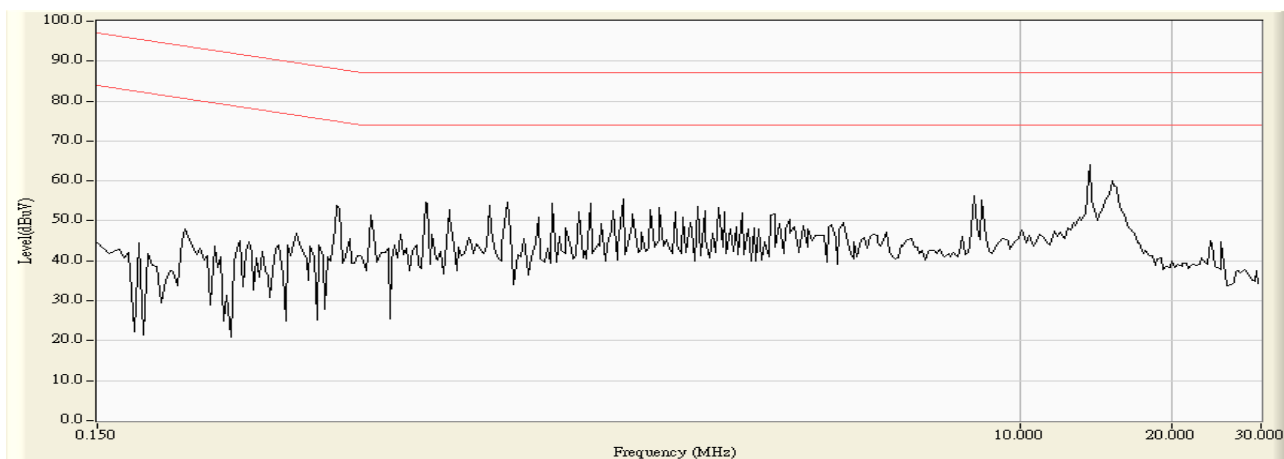


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.748	9.893	40.100	49.993	-24.007	74.000	AVERAGE
2		1.642	9.807	42.030	51.837	-22.163	74.000	AVERAGE
3		2.611	9.783	39.170	48.953	-25.047	74.000	AVERAGE
4		7.923	9.870	38.780	48.650	-25.350	74.000	AVERAGE
5		14.213	9.925	45.650	55.575	-18.425	74.000	AVERAGE
6	*	23.130	10.200	48.510	58.710	-15.290	74.000	AVERAGE

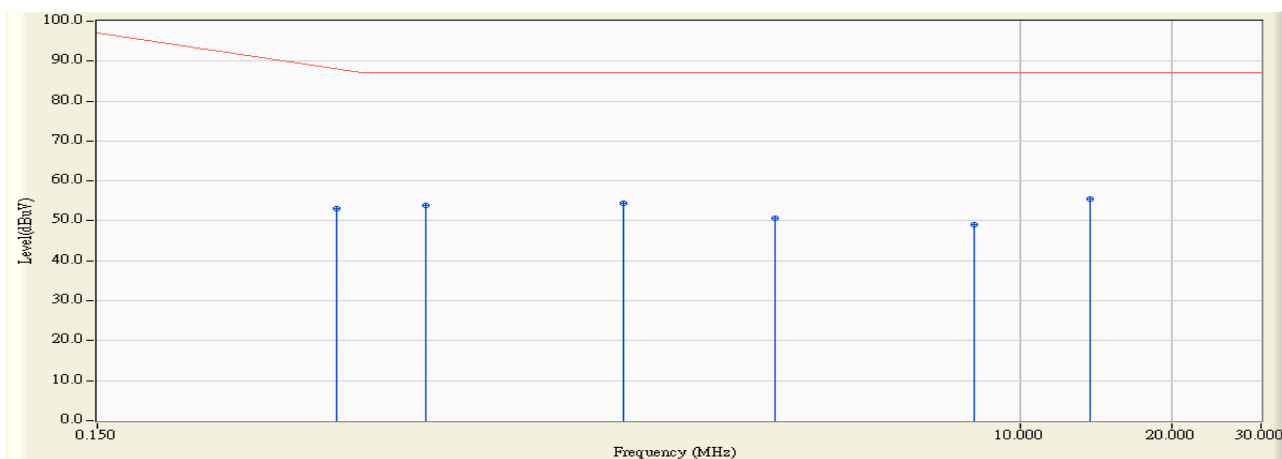
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:02
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 6, ISN 10M



Site : SR1	Time : 2013/03/20 - 19:02
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 6, ISN 10M

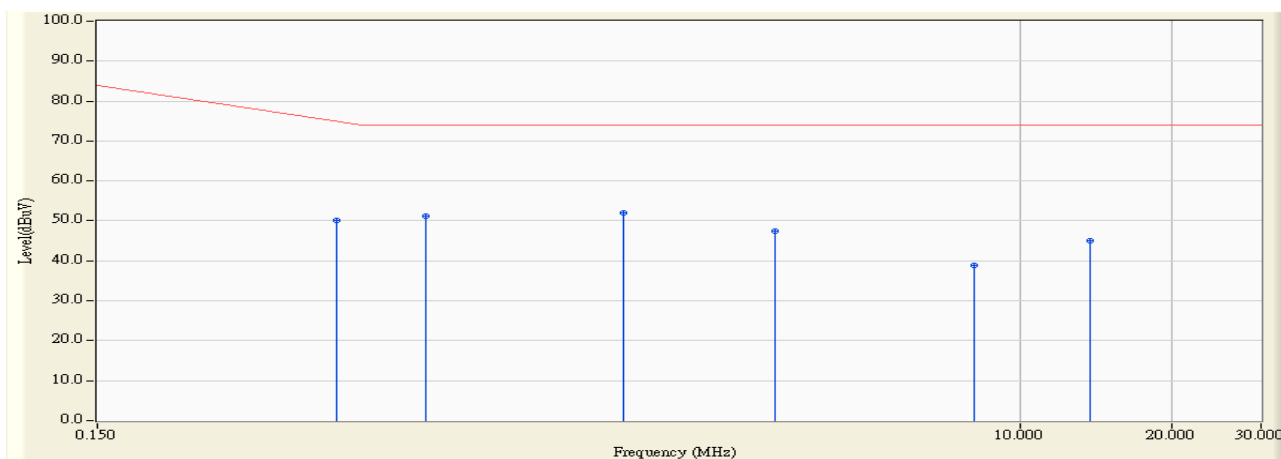


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	43.110	53.094	-35.420	88.514	QUASIPeAK
2		0.670	9.909	43.850	53.759	-33.241	87.000	QUASIPeAK
3		1.642	9.807	44.670	54.477	-32.523	87.000	QUASIPeAK
4		3.283	9.794	40.870	50.664	-36.336	87.000	QUASIPeAK
5		8.154	9.875	39.140	49.015	-37.985	87.000	QUASIPeAK
6	*	13.752	9.922	45.610	55.532	-31.468	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:02
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 6, ISN 10M

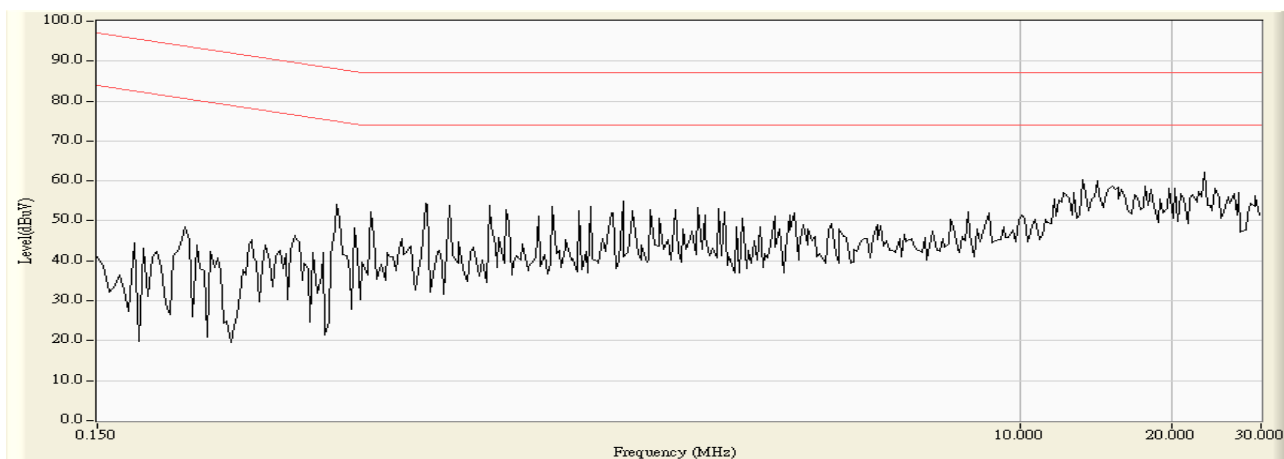


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	40.180	50.164	-25.350	75.514	AVERAGE
2		0.670	9.909	41.170	51.079	-22.921	74.000	AVERAGE
3	*	1.642	9.807	42.070	51.877	-22.123	74.000	AVERAGE
4		3.283	9.794	37.700	47.494	-26.506	74.000	AVERAGE
5		8.154	9.875	29.070	38.945	-35.055	74.000	AVERAGE
6		13.752	9.922	35.110	45.032	-28.968	74.000	AVERAGE

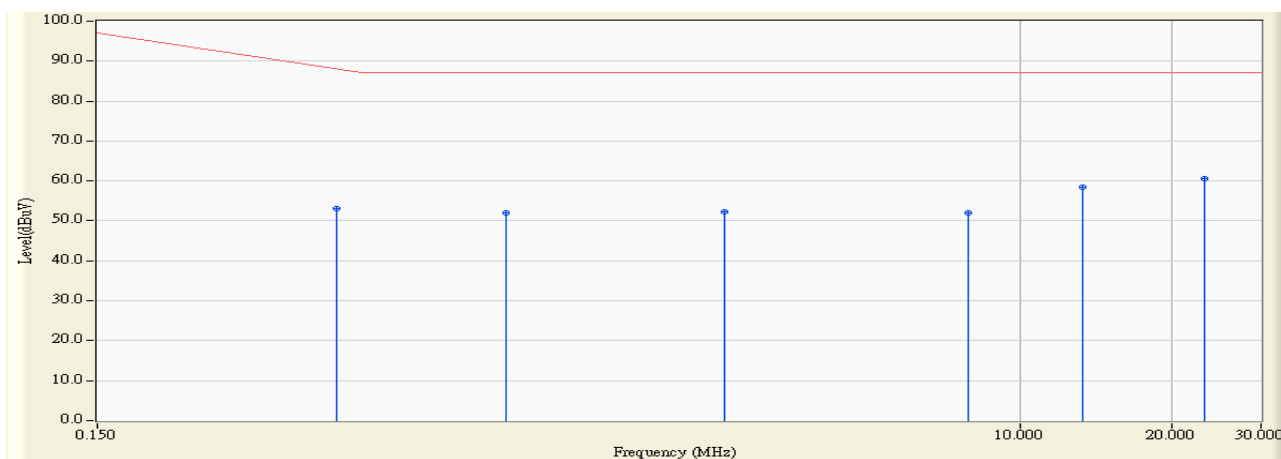
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:00
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 6, ISN 100M



Site : SR1	Time : 2013/03/20 - 19:01
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 6, ISN 100M

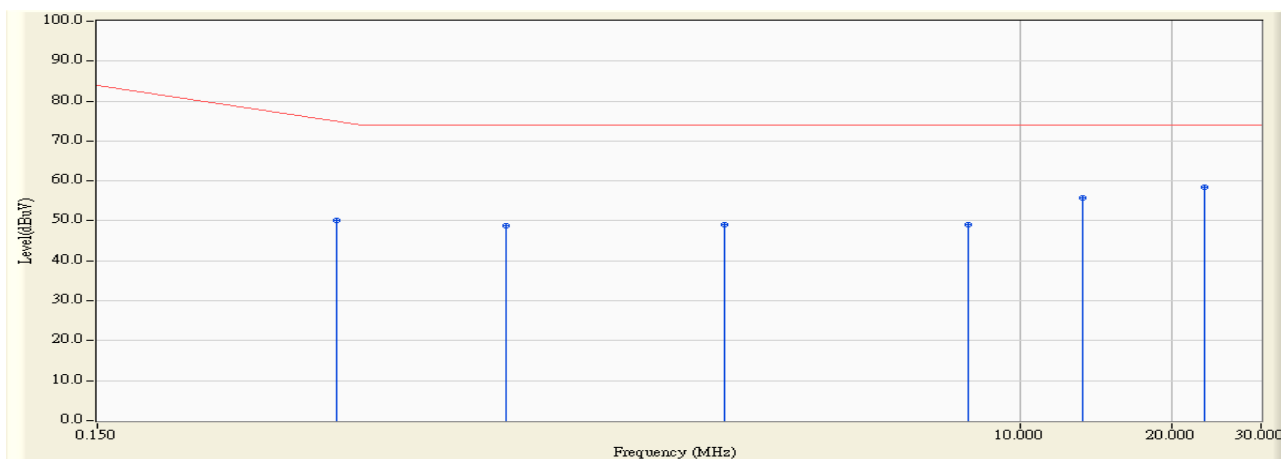


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	43.090	53.074	-35.440	88.514	QUASIPeAK
2		0.966	9.850	42.120	51.971	-35.029	87.000	QUASIPeAK
3		2.611	9.783	42.610	52.393	-34.607	87.000	QUASIPeAK
4		7.923	9.870	42.030	51.900	-35.100	87.000	QUASIPeAK
5		13.357	9.921	48.450	58.371	-28.629	87.000	QUASIPeAK
6	*	23.130	10.200	50.490	60.690	-26.310	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:01
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 6, ISN 100M

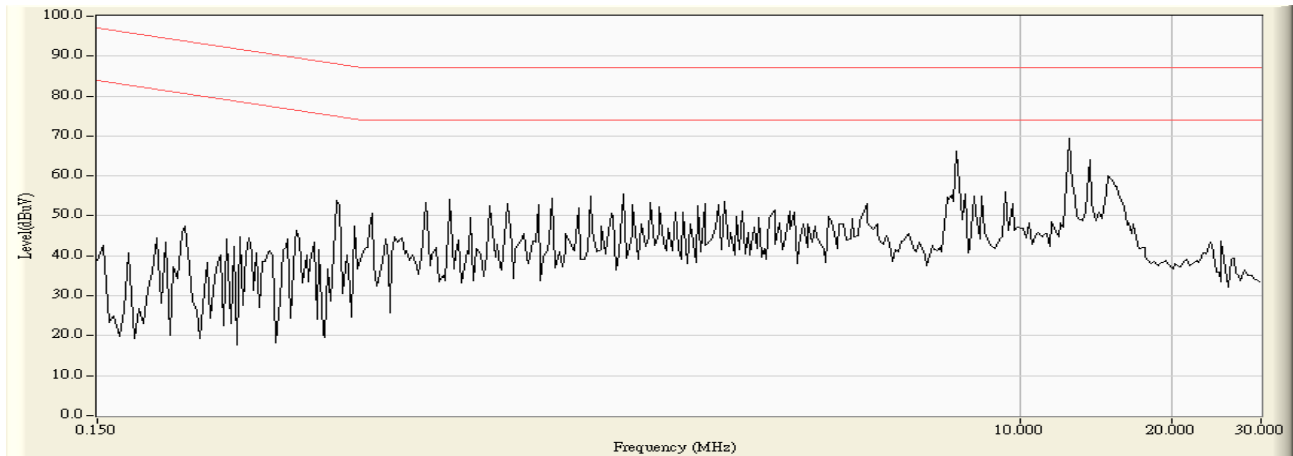


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	40.180	50.164	-25.350	75.514	AVERAGE
2		0.966	9.850	38.970	48.821	-25.179	74.000	AVERAGE
3		2.611	9.783	39.290	49.073	-24.927	74.000	AVERAGE
4		7.923	9.870	39.170	49.040	-24.960	74.000	AVERAGE
5		13.357	9.921	45.780	55.701	-18.299	74.000	AVERAGE
6	*	23.130	10.200	48.280	58.480	-15.520	74.000	AVERAGE

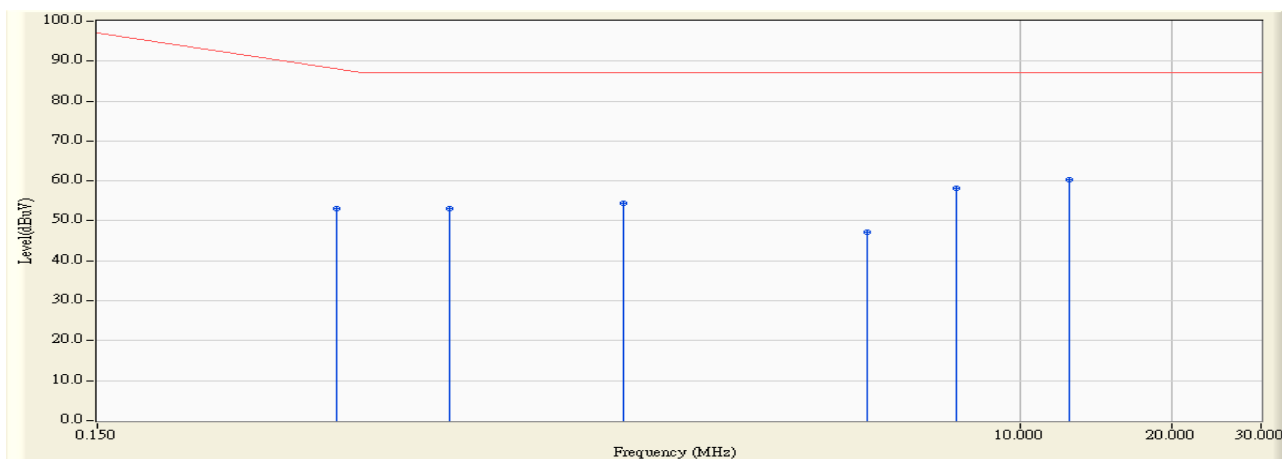
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:03
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 7, ISN 10M



Site : SR1	Time : 2013/03/20 - 19:05
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 7, ISN 10M

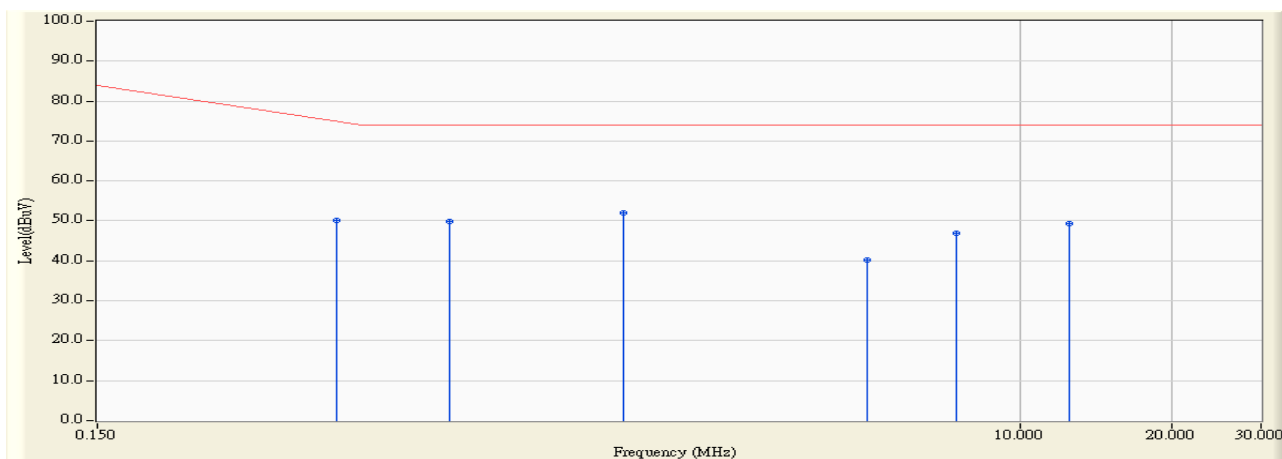


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	43.090	53.074	-35.440	88.514	QUASIPeAK
2		0.748	9.893	43.130	53.023	-33.977	87.000	QUASIPeAK
3		1.642	9.807	44.670	54.477	-32.523	87.000	QUASIPeAK
4		4.998	9.813	37.260	47.073	-39.927	87.000	QUASIPeAK
5		7.498	9.868	48.300	58.169	-28.831	87.000	QUASIPeAK
6	*	12.502	9.918	50.380	60.298	-26.702	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:05
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 7, ISN 10M

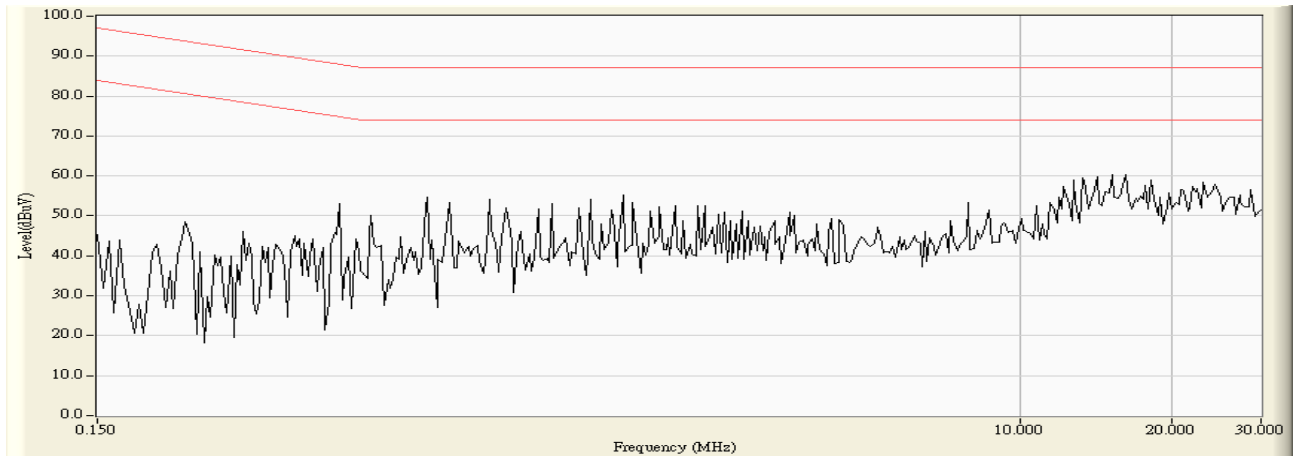


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.984	40.180	50.164	-25.350	75.514	AVERAGE
2		0.748	9.893	40.040	49.933	-24.067	74.000	AVERAGE
3	*	1.642	9.807	42.070	51.877	-22.123	74.000	AVERAGE
4		4.998	9.813	30.400	40.213	-33.787	74.000	AVERAGE
5		7.498	9.868	36.920	46.789	-27.211	74.000	AVERAGE
6		12.502	9.918	39.450	49.368	-24.632	74.000	AVERAGE

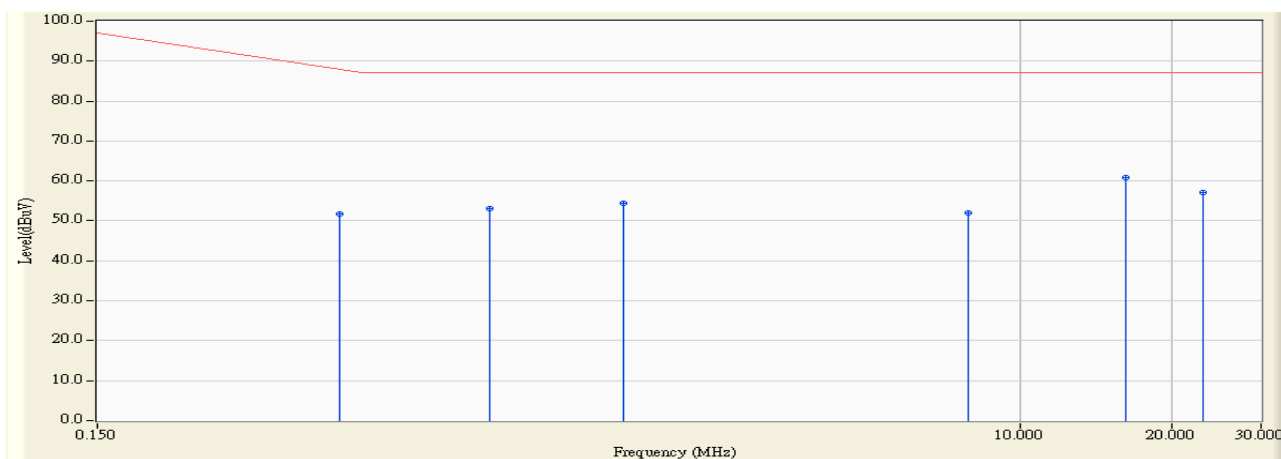
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:05
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 7, ISN 100M



Site : SR1	Time : 2013/03/20 - 19:06
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 7, ISN 100M

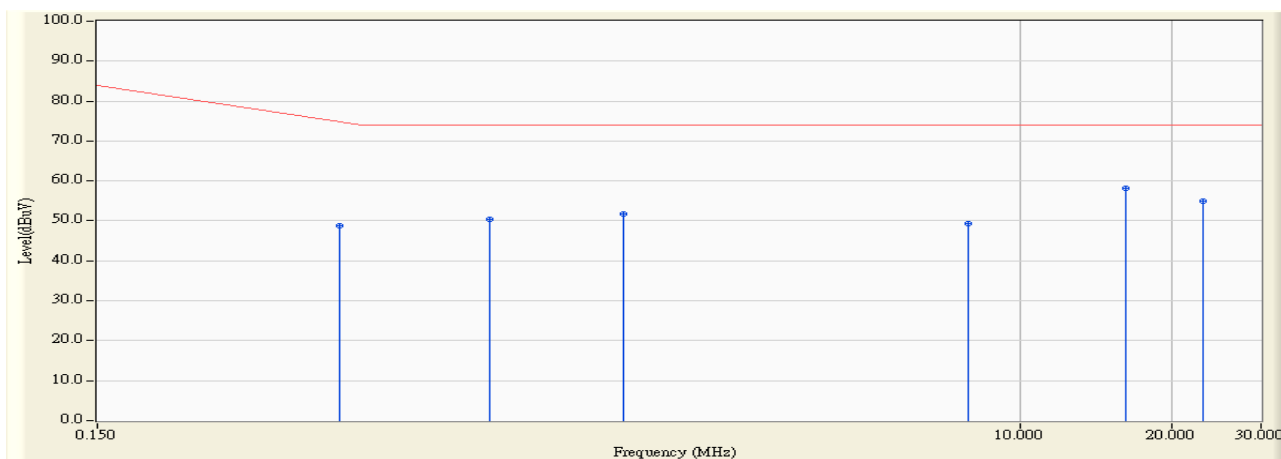


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	41.810	51.790	-36.610	88.400	QUASIPeAK
2		0.896	9.864	43.210	53.074	-33.926	87.000	QUASIPeAK
3		1.642	9.807	44.690	54.497	-32.503	87.000	QUASIPeAK
4		7.923	9.870	42.090	51.960	-35.040	87.000	QUASIPeAK
5	*	16.228	9.955	50.900	60.855	-26.145	87.000	QUASIPeAK
6		23.068	10.199	46.910	57.109	-29.891	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 19:06
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 7, ISN 100M

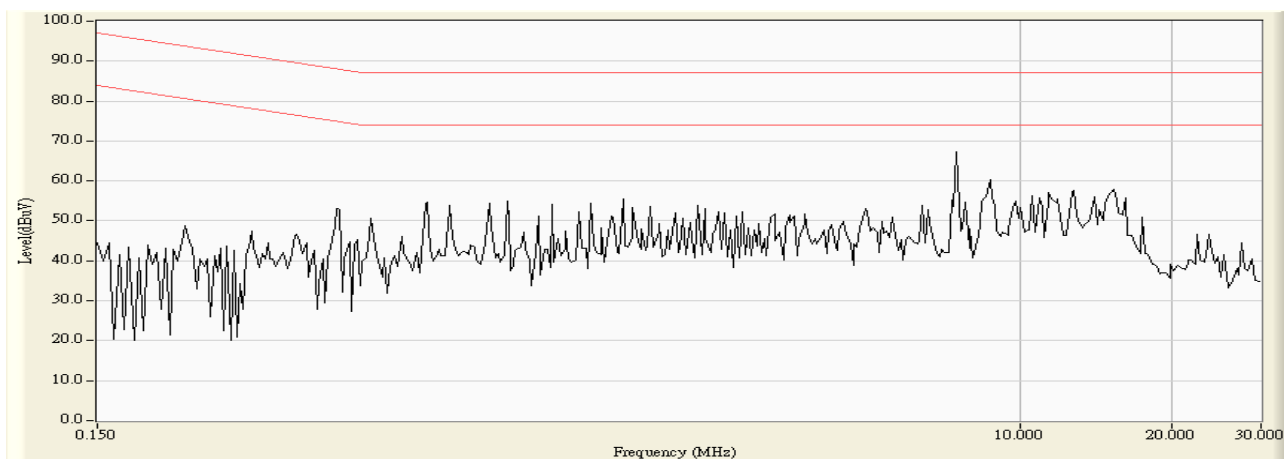


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	38.780	48.760	-26.640	75.400	AVERAGE
2		0.896	9.864	40.570	50.434	-23.566	74.000	AVERAGE
3		1.642	9.807	42.030	51.837	-22.163	74.000	AVERAGE
4		7.923	9.870	39.480	49.350	-24.650	74.000	AVERAGE
5	*	16.228	9.955	48.210	58.165	-15.835	74.000	AVERAGE
6		23.068	10.199	44.690	54.889	-19.111	74.000	AVERAGE

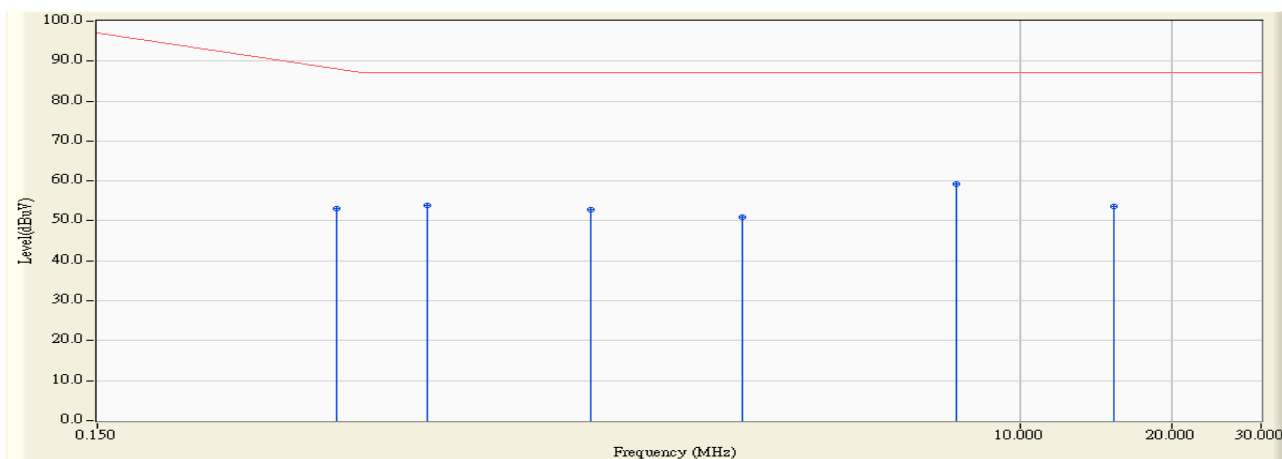
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:33
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 8, ISN 10M



Site : SR1	Time : 2013/03/20 - 20:34
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 8, ISN 10M

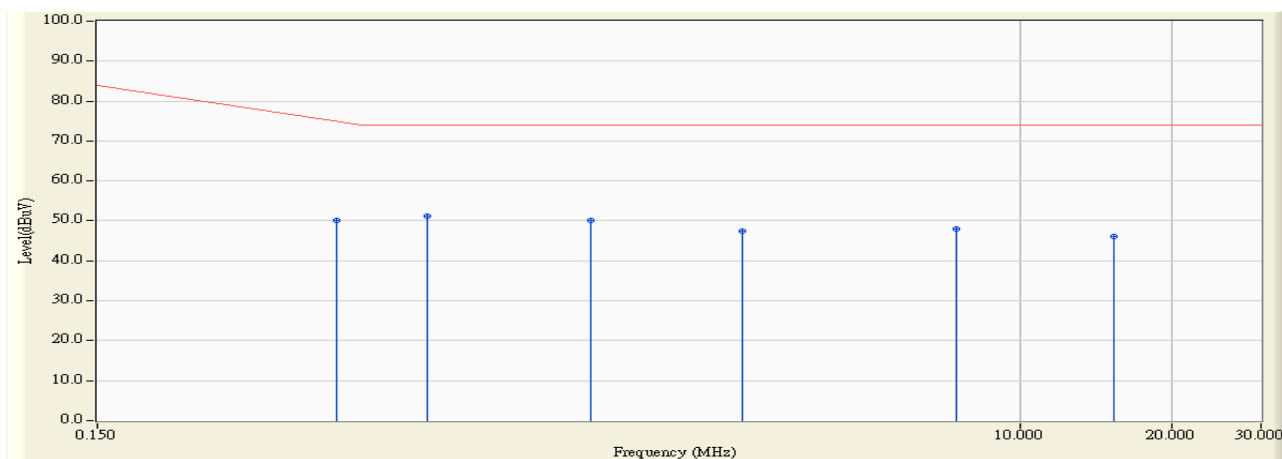


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	43.010	52.994	-35.520	88.514	QUASIPeAK
2		0.673	9.908	43.850	53.758	-33.242	87.000	QUASIPeAK
3		1.420	9.816	43.130	52.946	-34.054	87.000	QUASIPeAK
4		2.834	9.790	41.040	50.830	-36.170	87.000	QUASIPeAK
5	*	7.502	9.867	49.500	59.367	-27.633	87.000	QUASIPeAK
6		15.330	9.930	43.630	53.560	-33.440	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:34
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 8, ISN 10M

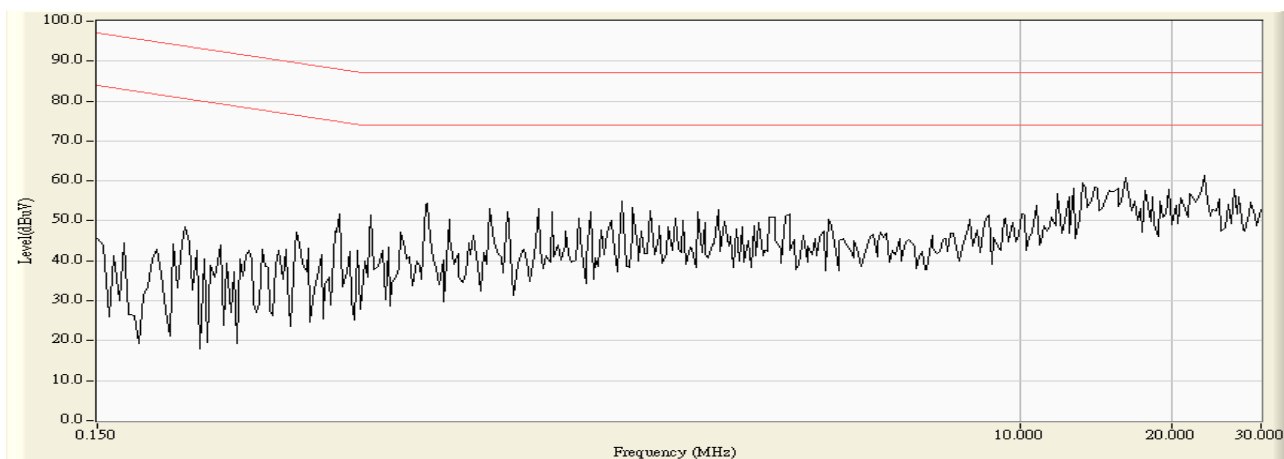


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.984	40.120	50.104	-25.410	75.514	AVERAGE
2	*	0.673	9.908	41.270	51.178	-22.822	74.000	AVERAGE
3		1.420	9.816	40.270	50.086	-23.914	74.000	AVERAGE
4		2.834	9.790	37.790	47.580	-26.420	74.000	AVERAGE
5		7.502	9.867	38.130	47.997	-26.003	74.000	AVERAGE
6		15.330	9.930	36.240	46.170	-27.830	74.000	AVERAGE

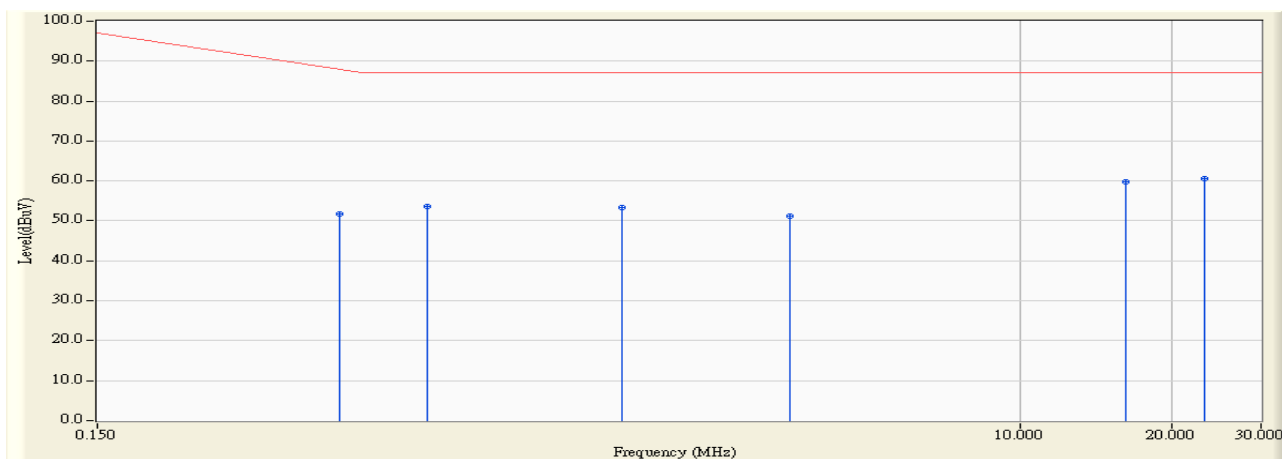
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:35
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 8, ISN 100M



Site : SR1	Time : 2013/03/20 - 20:35
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 8, ISN 100M

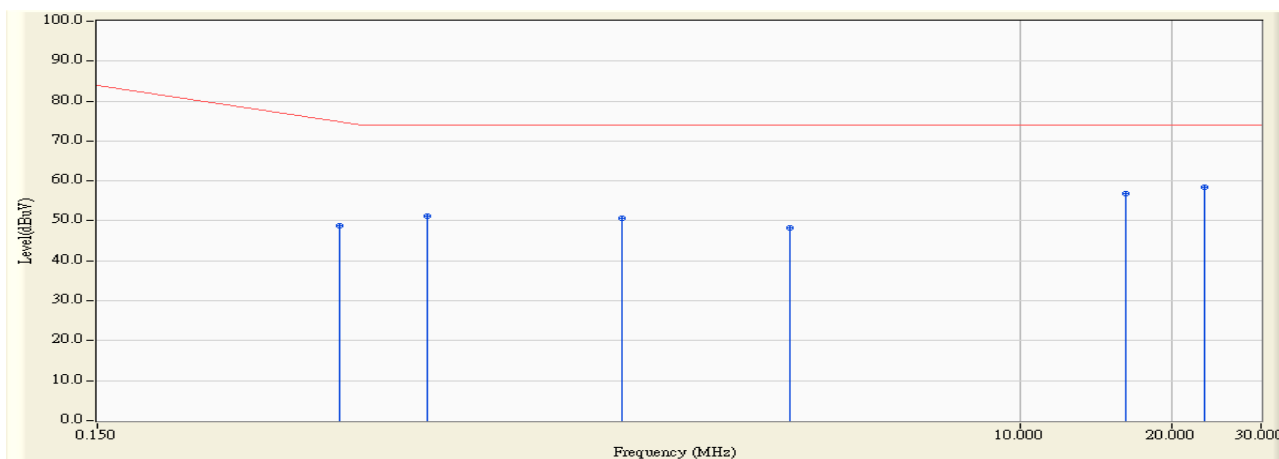


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	41.770	51.750	-36.650	88.400	QUASIPeAK
2		0.673	9.908	43.790	53.698	-33.302	87.000	QUASIPeAK
3		1.638	9.807	43.660	53.467	-33.533	87.000	QUASIPeAK
4		3.505	9.797	41.290	51.087	-35.913	87.000	QUASIPeAK
5		16.166	9.954	49.720	59.674	-27.326	87.000	QUASIPeAK
6	*	23.130	10.200	50.350	60.550	-26.450	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:35
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 8, ISN 100M

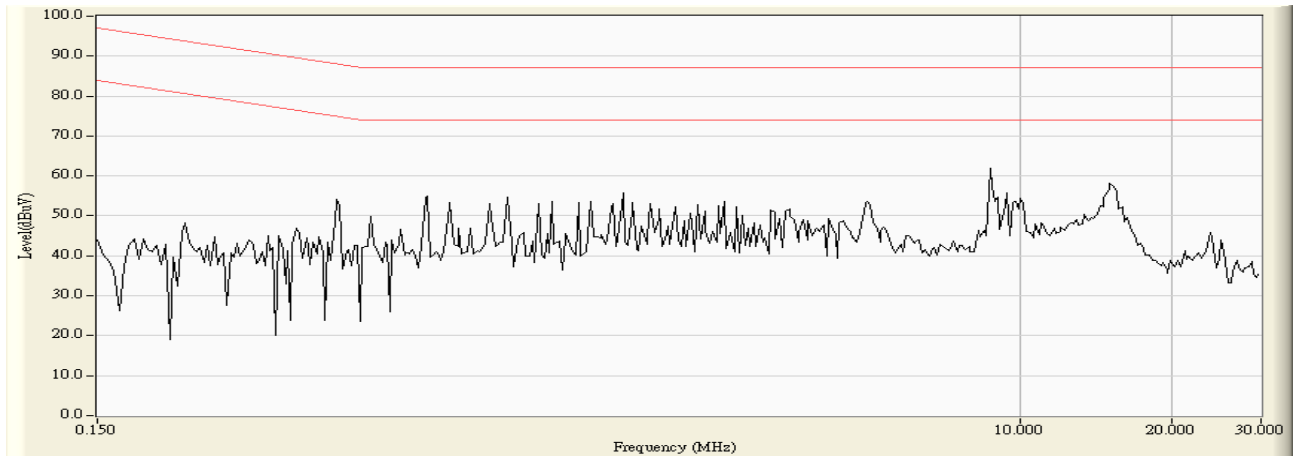


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	38.780	48.760	-26.640	75.400	AVERAGE
2		0.673	9.908	41.170	51.078	-22.922	74.000	AVERAGE
3		1.638	9.807	40.840	50.647	-23.353	74.000	AVERAGE
4		3.505	9.797	38.370	48.167	-25.833	74.000	AVERAGE
5		16.166	9.954	46.970	56.924	-17.076	74.000	AVERAGE
6	*	23.130	10.200	48.360	58.560	-15.440	74.000	AVERAGE

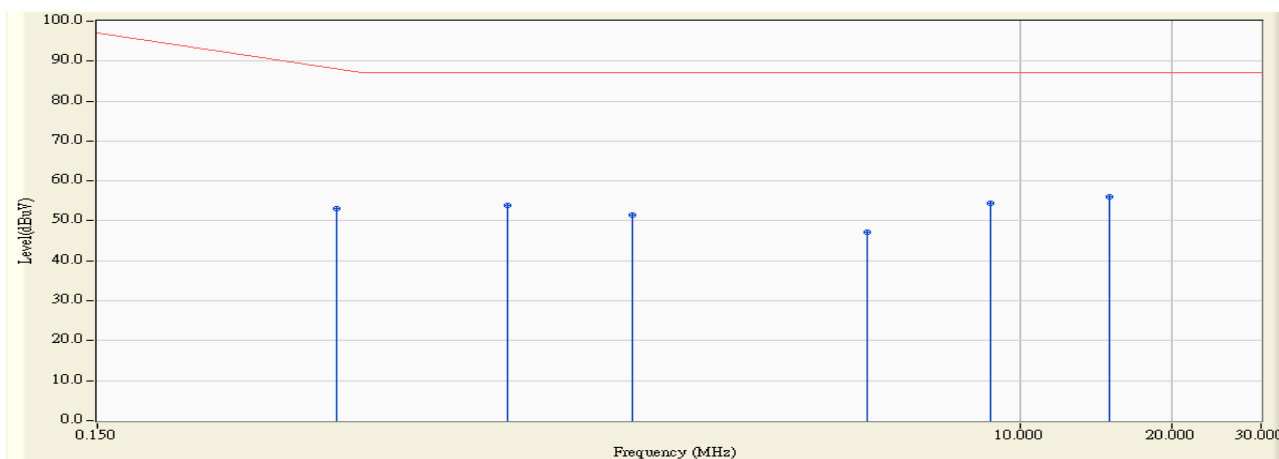
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:32
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 9, ISN 10M



Site : SR1	Time : 2013/03/20 - 20:33
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 9, ISN 10M

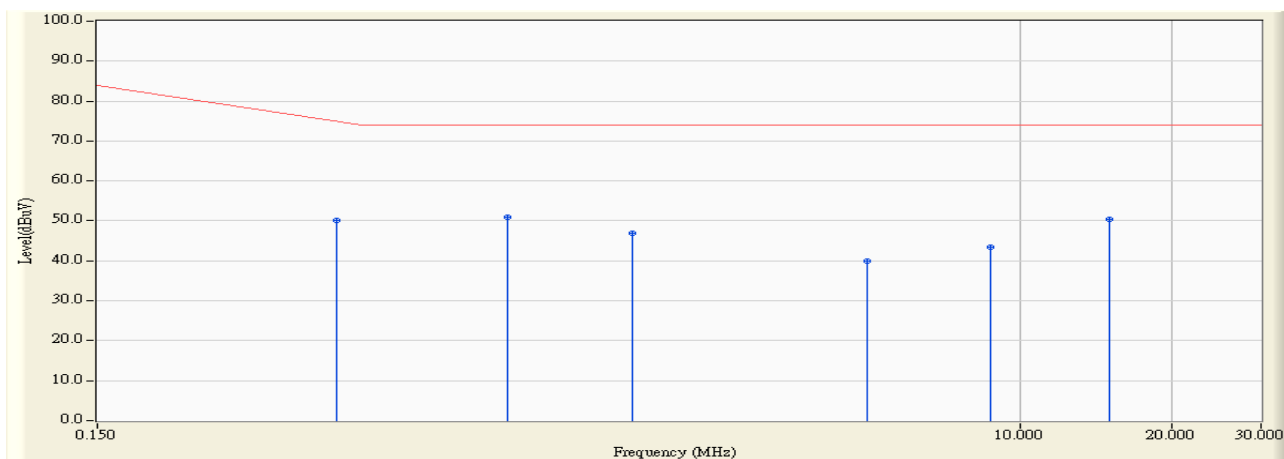


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.990	52.974	-35.540	88.514	QUASIPeAK
2		0.970	9.849	44.010	53.860	-33.140	87.000	QUASIPeAK
3		1.716	9.798	41.800	51.598	-35.402	87.000	QUASIPeAK
4		4.998	9.813	37.360	47.173	-39.827	87.000	QUASIPeAK
5		8.752	9.889	44.510	54.399	-32.601	87.000	QUASIPeAK
6	*	15.068	9.928	46.230	56.158	-30.842	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:33
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 9, ISN 10M

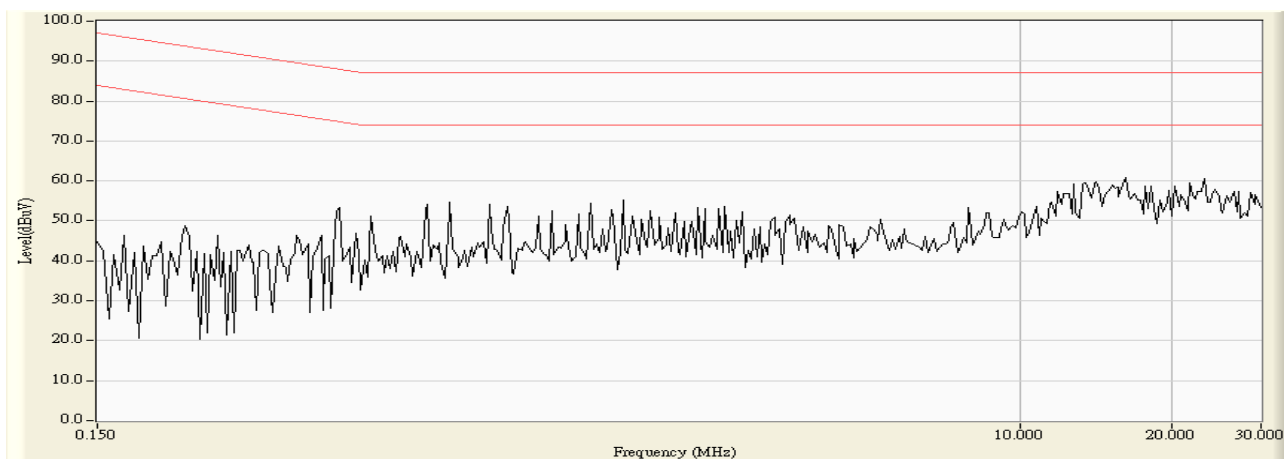


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	40.060	50.044	-25.470	75.514	AVERAGE
2	*	0.970	9.849	41.070	50.920	-23.080	74.000	AVERAGE
3		1.716	9.798	37.160	46.958	-27.042	74.000	AVERAGE
4		4.998	9.813	30.090	39.903	-34.097	74.000	AVERAGE
5		8.752	9.889	33.560	43.449	-30.551	74.000	AVERAGE
6		15.068	9.928	40.430	50.358	-23.642	74.000	AVERAGE

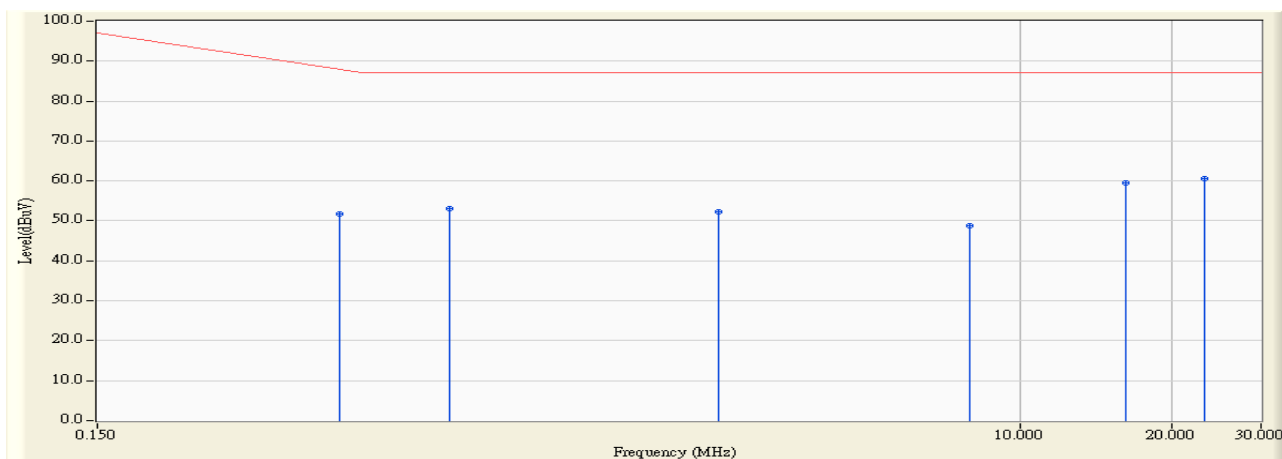
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:30
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 9, ISN 100M



Site : SR1	Time : 2013/03/20 - 20:31
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 9, ISN 100M

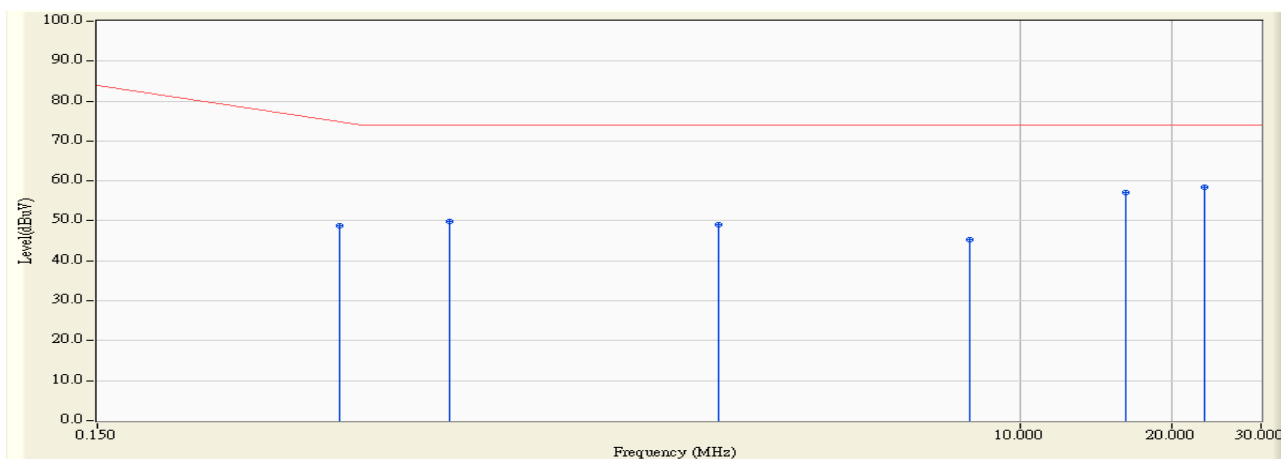


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	41.870	51.850	-36.550	88.400	QUASIPeAK
2		0.748	9.893	43.090	52.983	-34.017	87.000	QUASIPeAK
3		2.537	9.780	42.440	52.220	-34.780	87.000	QUASIPeAK
4		7.986	9.871	38.850	48.721	-38.279	87.000	QUASIPeAK
5		16.166	9.954	49.660	59.614	-27.386	87.000	QUASIPeAK
6	*	23.130	10.200	50.470	60.670	-26.330	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:31
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 9, ISN 100M

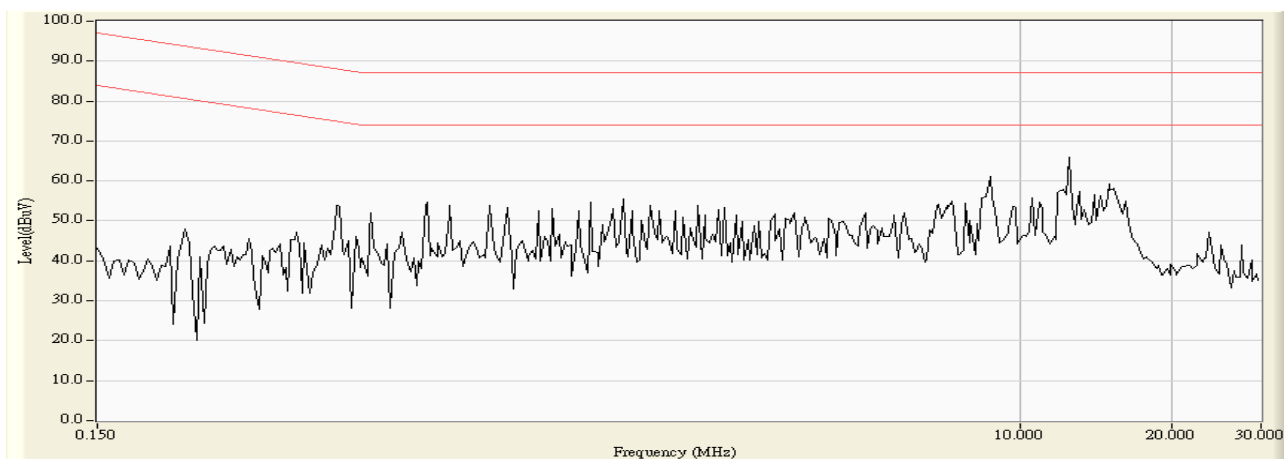


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	38.850	48.830	-26.570	75.400	AVERAGE
2		0.748	9.893	39.930	49.823	-24.177	74.000	AVERAGE
3		2.537	9.780	39.220	49.000	-25.000	74.000	AVERAGE
4		7.986	9.871	35.390	45.261	-28.739	74.000	AVERAGE
5		16.166	9.954	47.070	57.024	-16.976	74.000	AVERAGE
6	*	23.130	10.200	48.190	58.390	-15.610	74.000	AVERAGE

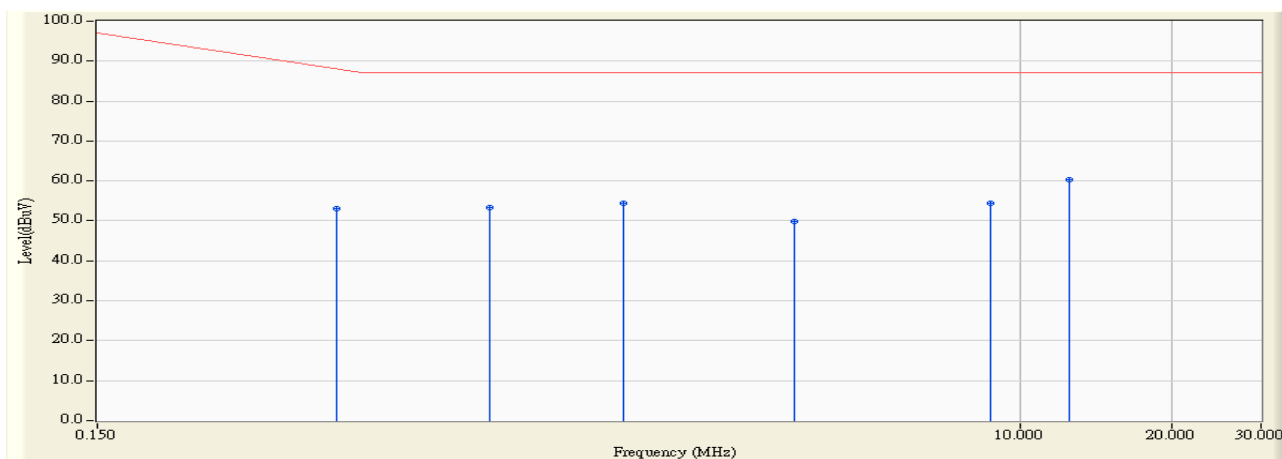
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:27
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 10, ISN 10M



Site : SR1	Time : 2013/03/20 - 20:28
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 10, ISN 10M

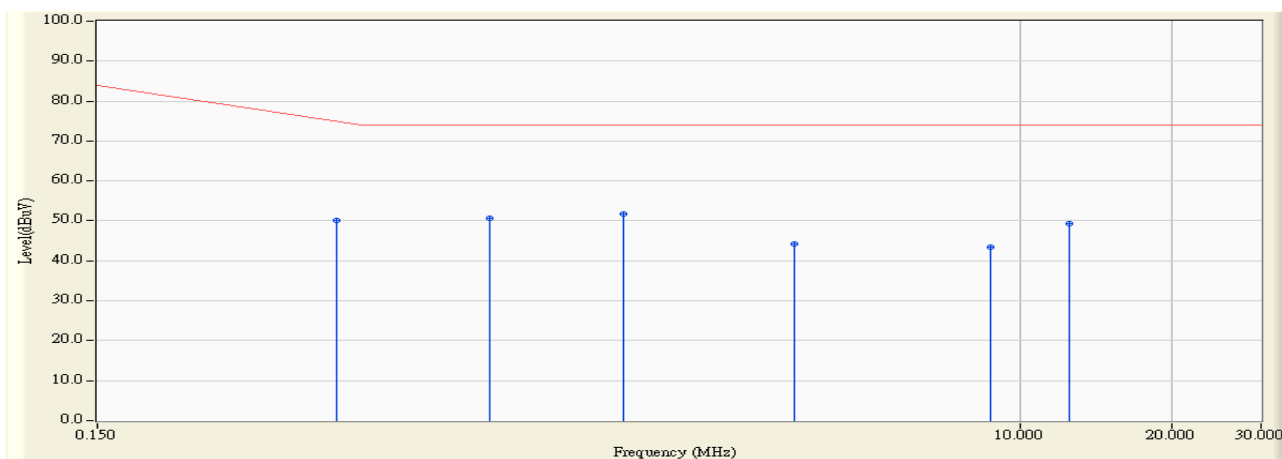


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	43.010	52.994	-35.520	88.514	QUASIPeAK
2		0.896	9.864	43.410	53.274	-33.726	87.000	QUASIPeAK
3		1.642	9.807	44.610	54.417	-32.583	87.000	QUASIPeAK
4		3.580	9.794	39.970	49.764	-37.236	87.000	QUASIPeAK
5		8.752	9.889	44.570	54.459	-32.541	87.000	QUASIPeAK
6	*	12.502	9.918	50.360	60.278	-26.722	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:28
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 10, ISN 10M

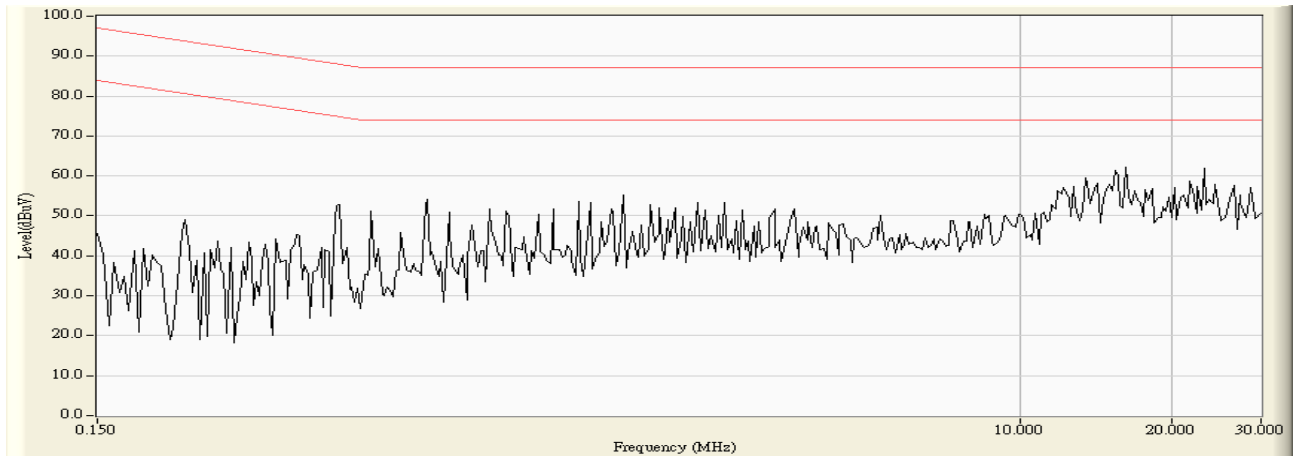


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.984	40.060	50.044	-25.470	75.514	AVERAGE
2		0.896	9.864	40.780	50.644	-23.356	74.000	AVERAGE
3	*	1.642	9.807	41.890	51.697	-22.303	74.000	AVERAGE
4		3.580	9.794	34.480	44.274	-29.726	74.000	AVERAGE
5		8.752	9.889	33.560	43.449	-30.551	74.000	AVERAGE
6		12.502	9.918	39.390	49.308	-24.692	74.000	AVERAGE

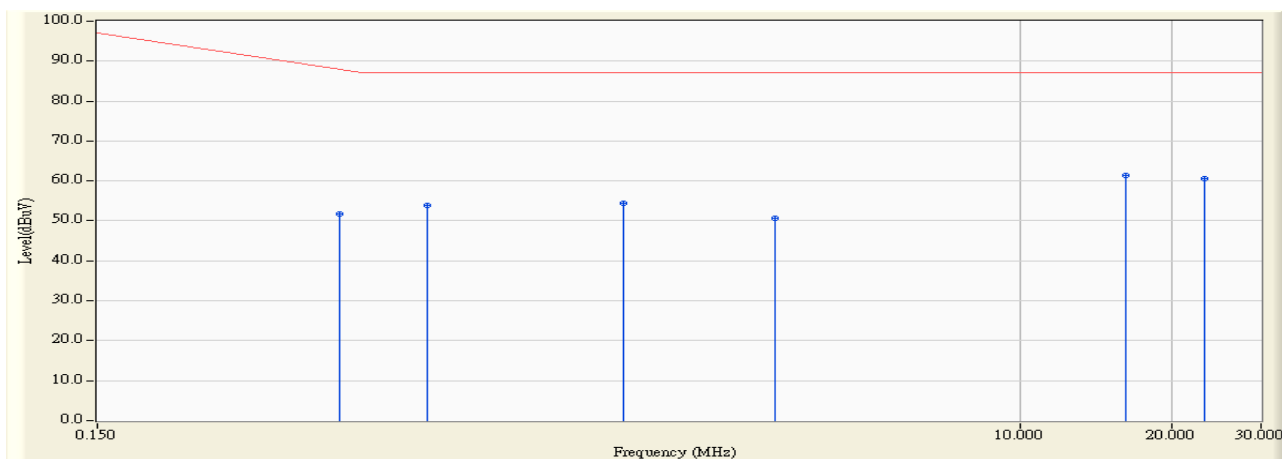
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:29
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 10, ISN 100M



Site : SR1	Time : 2013/03/20 - 20:29
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 10, ISN 100M

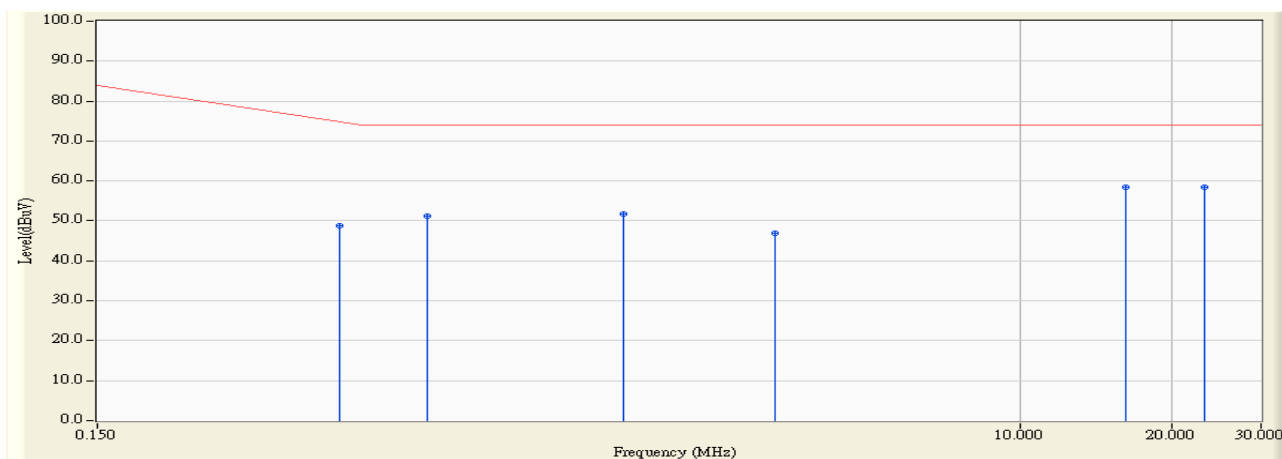


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	41.830	51.810	-36.590	88.400	QUASIPeAK
2		0.673	9.908	43.890	53.798	-33.202	87.000	QUASIPeAK
3		1.642	9.807	44.650	54.457	-32.543	87.000	QUASIPeAK
4		3.283	9.794	40.870	50.664	-36.336	87.000	QUASIPeAK
5	*	16.228	9.955	51.310	61.265	-25.735	87.000	QUASIPeAK
6		23.130	10.200	50.410	60.610	-26.390	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/03/20 - 20:29
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 10, ISN 100M

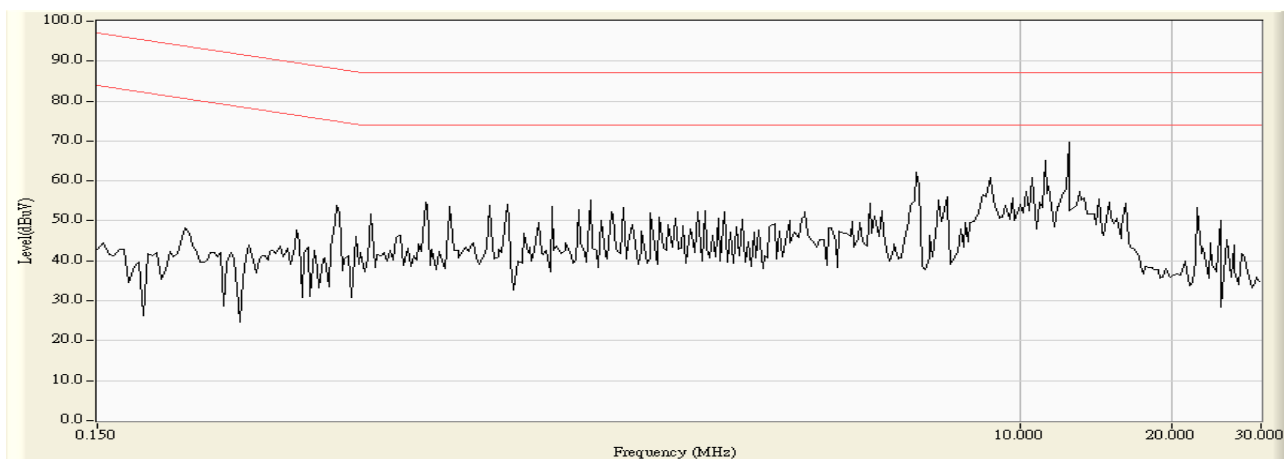


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.451	9.980	38.780	48.760	-26.640	75.400	AVERAGE
2		0.673	9.908	41.270	51.178	-22.822	74.000	AVERAGE
3		1.642	9.807	41.940	51.747	-22.253	74.000	AVERAGE
4		3.283	9.794	37.170	46.964	-27.036	74.000	AVERAGE
5	*	16.228	9.955	48.530	58.485	-15.515	74.000	AVERAGE
6		23.130	10.200	48.190	58.390	-15.610	74.000	AVERAGE

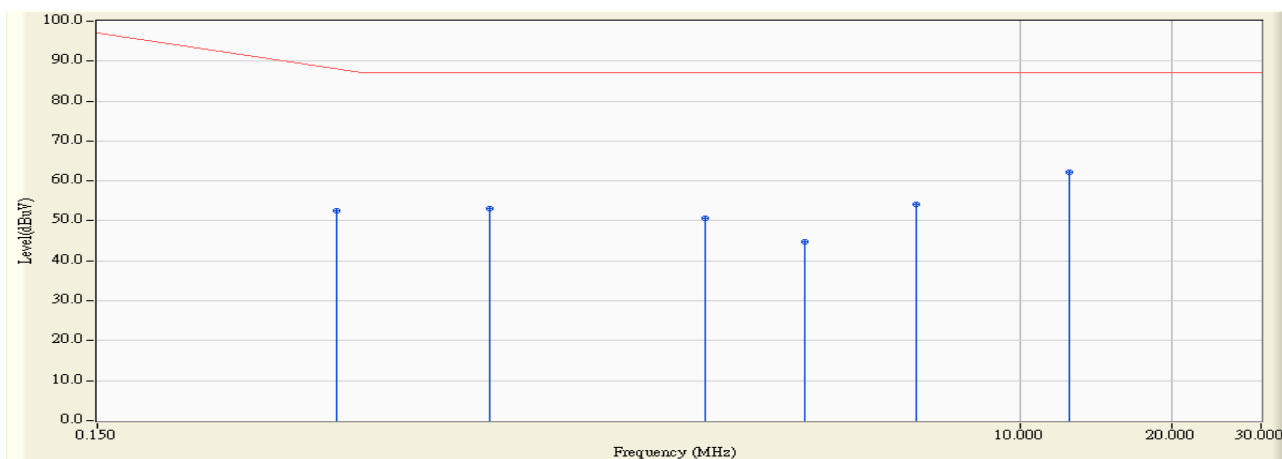
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:50
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 11: ISN 10M



Site : SR1	Time : 2013/04/10 - 15:51
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 11: ISN 10M

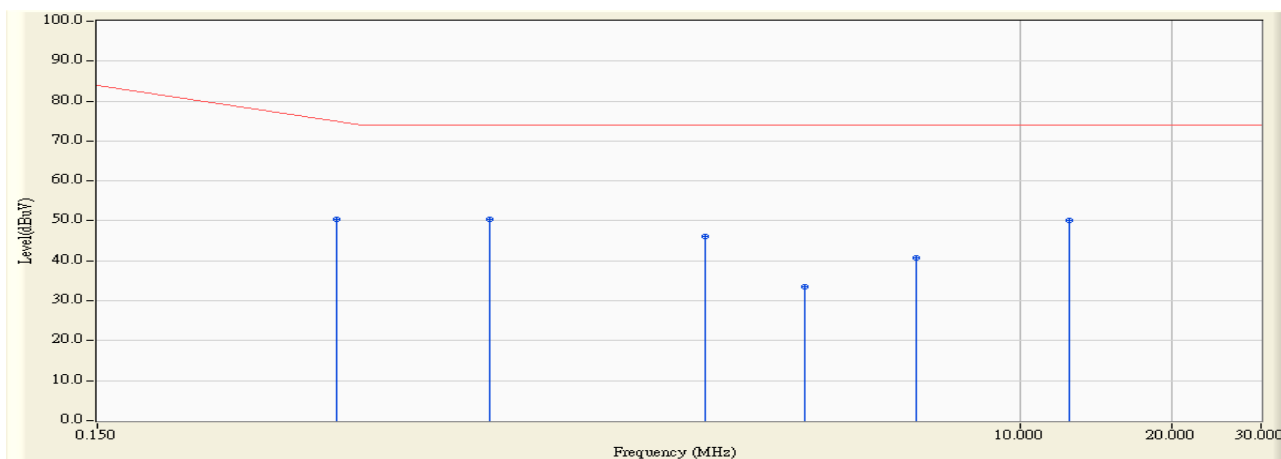


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.640	52.624	-35.890	88.514	QUASIPeAK
2		0.896	9.864	43.160	53.024	-33.976	87.000	QUASIPeAK
3		2.384	9.776	41.010	50.786	-36.214	87.000	QUASIPeAK
4		3.752	9.799	35.090	44.889	-42.111	87.000	QUASIPeAK
5		6.252	9.842	44.210	54.052	-32.948	87.000	QUASIPeAK
6	*	12.502	9.918	52.290	62.208	-24.792	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:51
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 11: ISN 10M

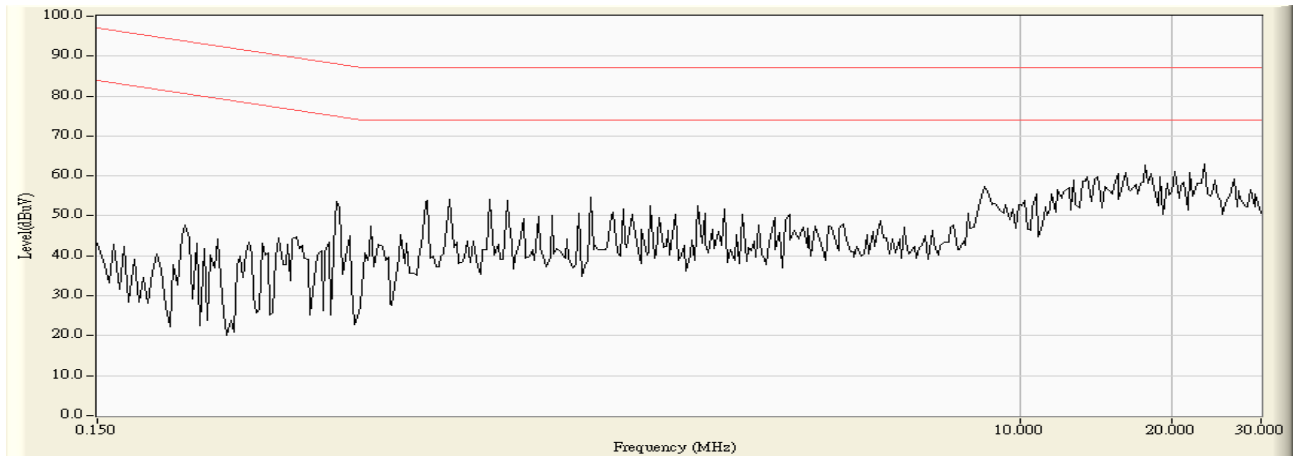


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	40.470	50.454	-25.060	75.514	AVERAGE
2	*	0.896	9.864	40.420	50.284	-23.716	74.000	AVERAGE
3		2.384	9.776	36.350	46.126	-27.874	74.000	AVERAGE
4		3.752	9.799	23.770	33.569	-40.431	74.000	AVERAGE
5		6.252	9.842	30.920	40.762	-33.238	74.000	AVERAGE
6		12.502	9.918	40.130	50.048	-23.952	74.000	AVERAGE

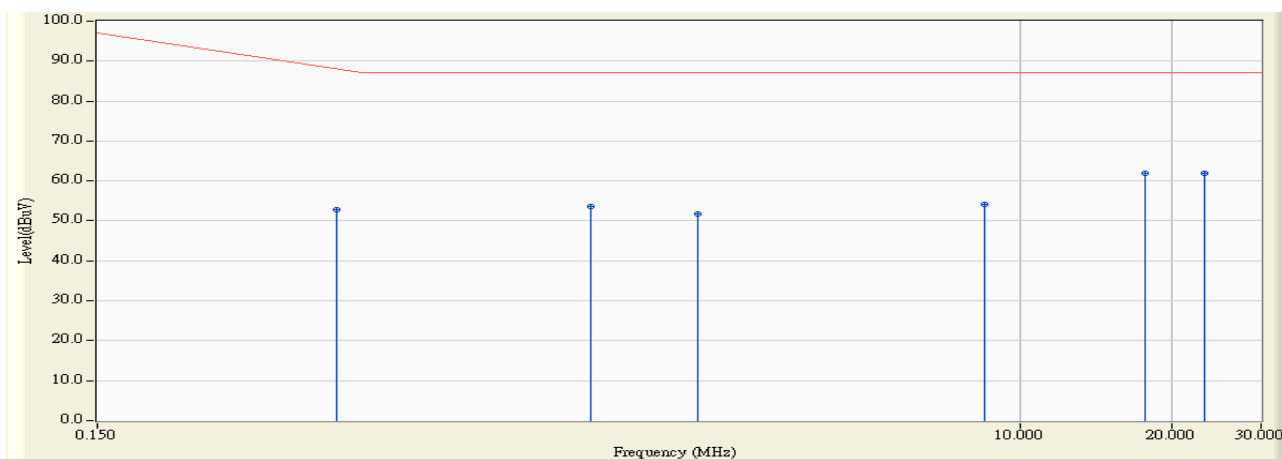
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:52
Limit : ISN_Voltage_A_00M_QP	Margin : 13
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 11: ISN 100M



Site : SR1	Time : 2013/04/10 - 15:53
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 11: ISN 100M

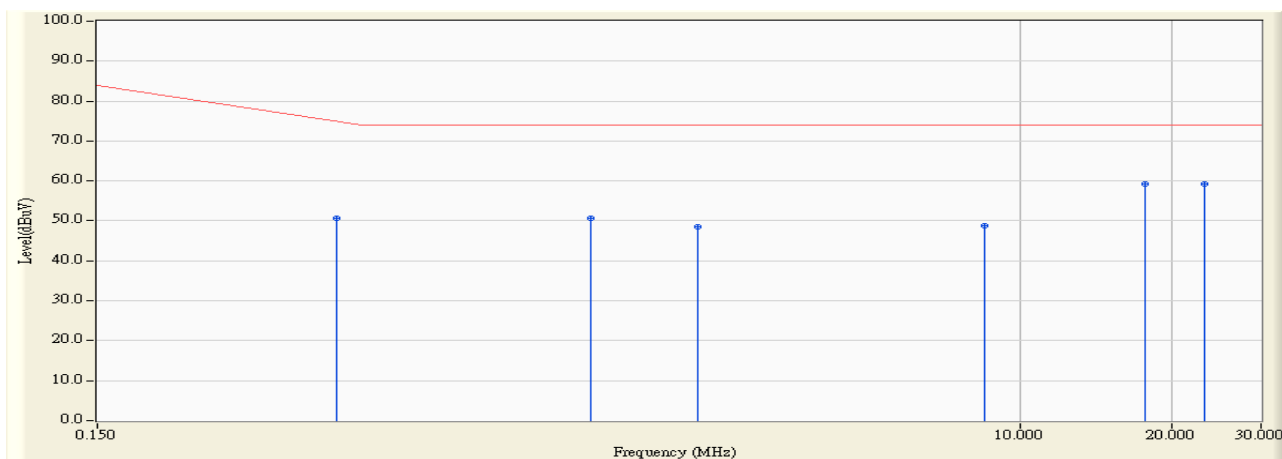


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV)	Margin (dB)	Limit (dBμV)	Detector Type
1		0.447	9.984	42.780	52.764	-35.750	88.514	QUASIPeAK
2		1.416	9.816	43.910	53.726	-33.274	87.000	QUASIPeAK
3		2.310	9.779	41.990	51.770	-35.230	87.000	QUASIPeAK
4		8.533	9.884	44.400	54.284	-32.716	87.000	QUASIPeAK
5		17.693	10.002	51.800	61.802	-25.198	87.000	QUASIPeAK
6	*	23.130	10.200	51.670	61.870	-25.130	87.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2013/04/10 - 15:53
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : DLP Projector	Probe : TESEQ_T8 - Line1
Power : AC 230V/50Hz	Note : Mode 11: ISN 100M



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.447	9.984	40.680	50.664	-24.850	75.514	AVERAGE
2		1.416	9.816	40.840	50.656	-23.344	74.000	AVERAGE
3		2.310	9.779	38.660	48.440	-25.560	74.000	AVERAGE
4		8.533	9.884	38.870	48.754	-25.246	74.000	AVERAGE
5	*	17.693	10.002	49.300	59.302	-14.698	74.000	AVERAGE
6		23.130	10.200	49.010	59.210	-14.790	74.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

4.7. Test Photograph

Test Mode : Mode 1: D-SUB1 (1920*1200/60Hz)

Description : Front View of ISN Test



Test Mode : Mode 1: D-SUB1 (1920*1200/60Hz)

Description : Back View of ISN Test



Test Mode : Mode 2: D-SUB1 (1600*1200/60Hz)

Description : Front View of ISN Test



Test Mode : Mode 2: D-SUB1 (1600*1200/60Hz)

Description : Back View of ISN Test



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Front View of ISN Test



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Back View of ISN Test



Test Mode : Mode 4: D-SUB3 (1920*1200/60Hz)

Description : Front View of ISN Test



Test Mode : Mode 4: D-SUB3 (1920*1200/60Hz)

Description : Back View of ISN Test



Test Mode : Mode 5: HDMI 1080P (1920*1080/60Hz)

Description : Front View of ISN Test



Test Mode : Mode 5: HDMI 1080P (1920*1080/60Hz)

Description : Back View of ISN Test



Test Mode : Mode 6: Display Port 1080P (1920*1080/60Hz)

Description : Front View of ISN Test



Test Mode : Mode 6: Display Port 1080P (1920*1080/60Hz)

Description : Back View of ISN Test



Test Mode : Mode 7: USB play video (720P) with inner USB

Description : Front View of ISN Test



Test Mode : Mode 7: USB play video (720P) with inner USB

Description : Back View of ISN Test



Test Mode : Mode 8: Video Color bar

Description : Front View of ISN Test



Test Mode : Mode 8: Video Color bar

Description : Back View of ISN Test



Test Mode : Mode 9: S-Video Color bar

Description : Front View of ISN Test



Test Mode : Mode 9: S-Video Color bar

Description : Back View of ISN Test



Test Mode : Mode 10: 3D DVI

Description : Front View of ISN Test



Test Mode : Mode 10: 3D DVI

Description : Back View of ISN Test



Test Mode : Mode 11: SDI

Description : Front View of ISN Test



Test Mode : Mode 11: SDI

Description : Back View of ISN Test



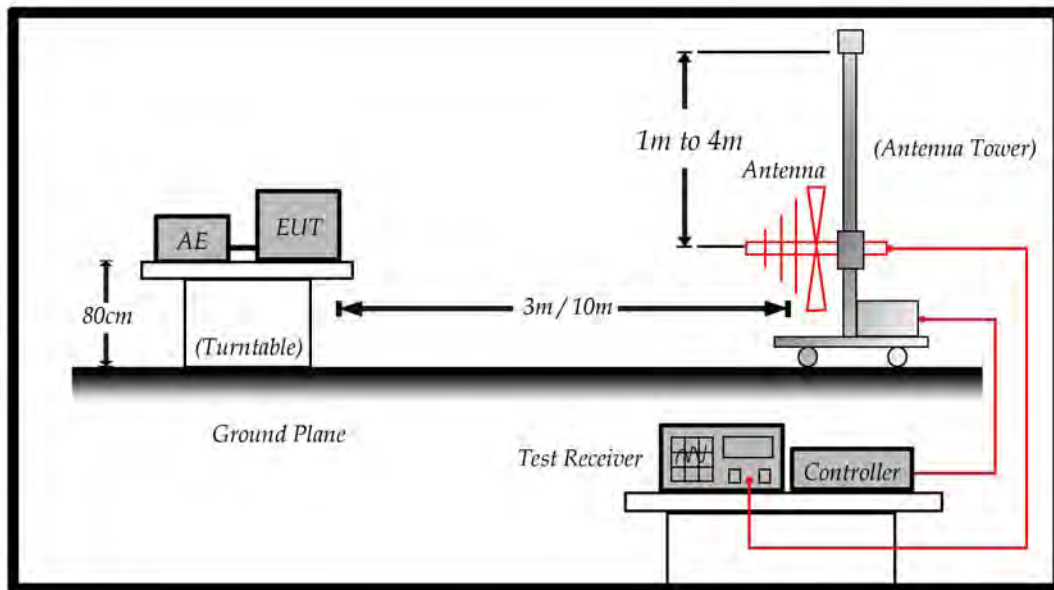
5. Radiated Emission

5.1. Test Specification

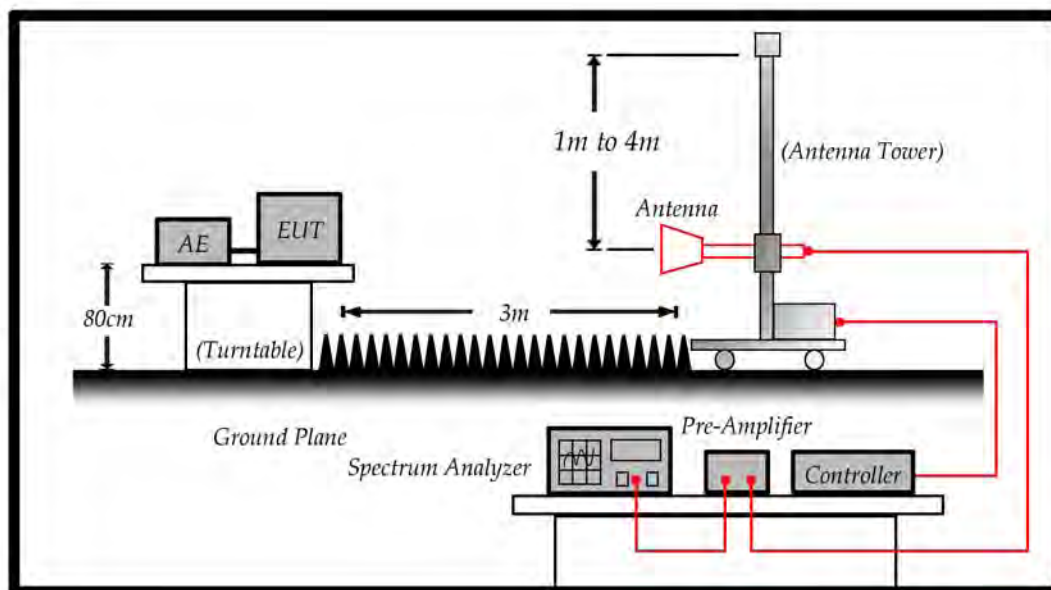
According to EMC Standard : EN 55022 and AS/NZS CISPR 22

5.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



5.3. Limit

Limits		
Frequency MHz	Distance (m)	dBuV/m
30 – 230	10	40
230 – 1000	10	47

Limits			
Frequency (GHz)	Distance (m)	Peak (dBuV/m)	Average (dBuV/m)
1 – 3	3	76	56
3 – 6	3	80	60

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 6 GHz, whichever is lower

5.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3/10 meters. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

Radiated emissions were investigated over the frequency range from 30MHz to 1GHz using a receiver bandwidth of 120kHz and above 1GHz using a receiver bandwidth of 1MHz.

30MHz to 1GHz Radiated was performed at an antenna to EUT distance of 10 meters.

Above 1GHz Radiated was performed at an antenna to EUT distance of 3 meters.

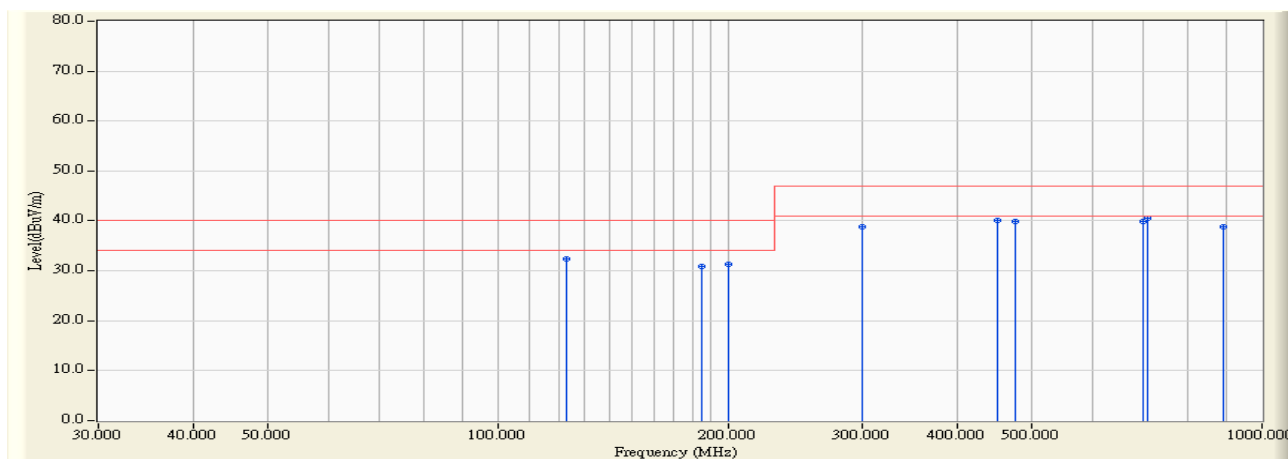
It is placed with absorb on the ground between EUT and Antenna.

5.5. Deviation from Test Standard

No deviation.

5.6. Test Result

Site : Site4	Time : 2013/03/29 - 22:28
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 1

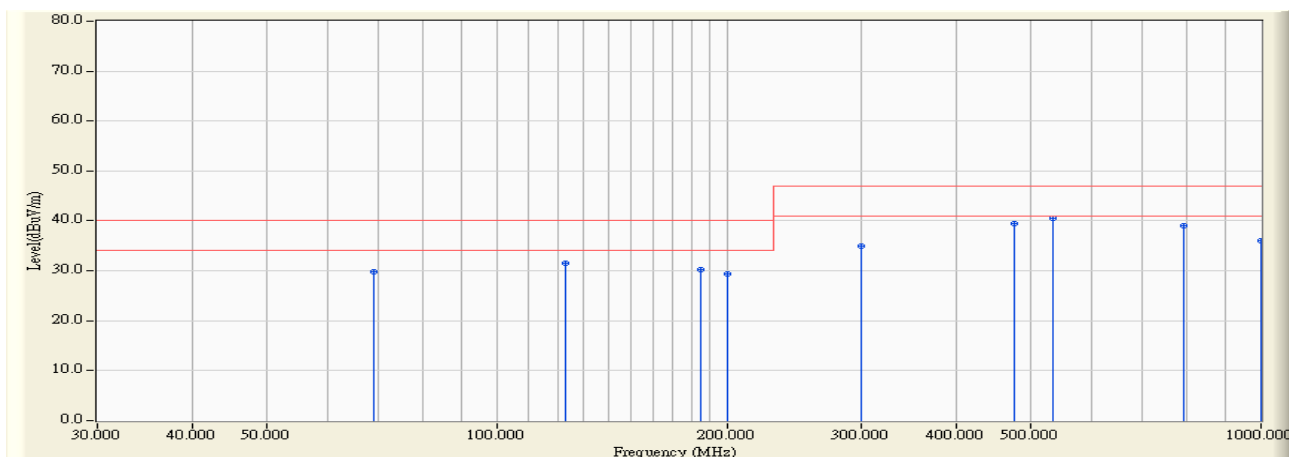


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		123.220	14.087	18.400	32.487	-7.513	40.000	QUASIPeAK
2		184.700	11.925	18.900	30.825	-9.175	40.000	QUASIPeAK
3		200.200	12.300	19.000	31.299	-8.701	40.000	QUASIPeAK
4		299.950	16.806	22.000	38.806	-8.194	47.000	QUASIPeAK
5		450.000	21.650	18.500	40.150	-6.850	47.000	QUASIPeAK
6		475.840	22.243	17.600	39.843	-7.157	47.000	QUASIPeAK
7		700.000	25.300	14.600	39.900	-7.100	47.000	QUASIPeAK
8	*	708.320	25.453	15.000	40.453	-6.547	47.000	QUASIPeAK
9		891.750	27.930	10.800	38.730	-8.270	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 22:45
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 1

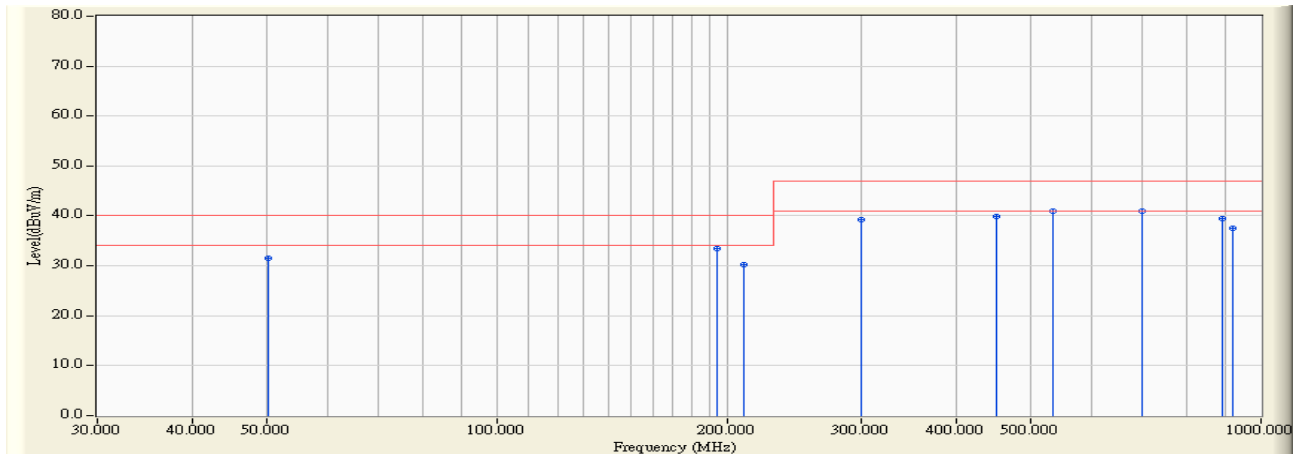


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		69.100	7.731	22.100	29.831	-10.169	40.000	QUASIPeak
2		123.220	14.087	17.400	31.487	-8.513	40.000	QUASIPeak
3		184.810	11.924	18.300	30.224	-9.776	40.000	QUASIPeak
4		200.220	12.300	17.000	29.300	-10.700	40.000	QUASIPeak
5		299.950	16.806	18.100	34.906	-12.094	47.000	QUASIPeak
6		475.870	22.243	17.200	39.443	-7.557	47.000	QUASIPeak
7	*	533.330	23.866	16.700	40.566	-6.434	47.000	QUASIPeak
8		793.100	26.714	12.300	39.014	-7.986	47.000	QUASIPeak
9		1000.000	29.400	6.600	36.000	-11.000	47.000	QUASIPeak

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 21:53
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 2

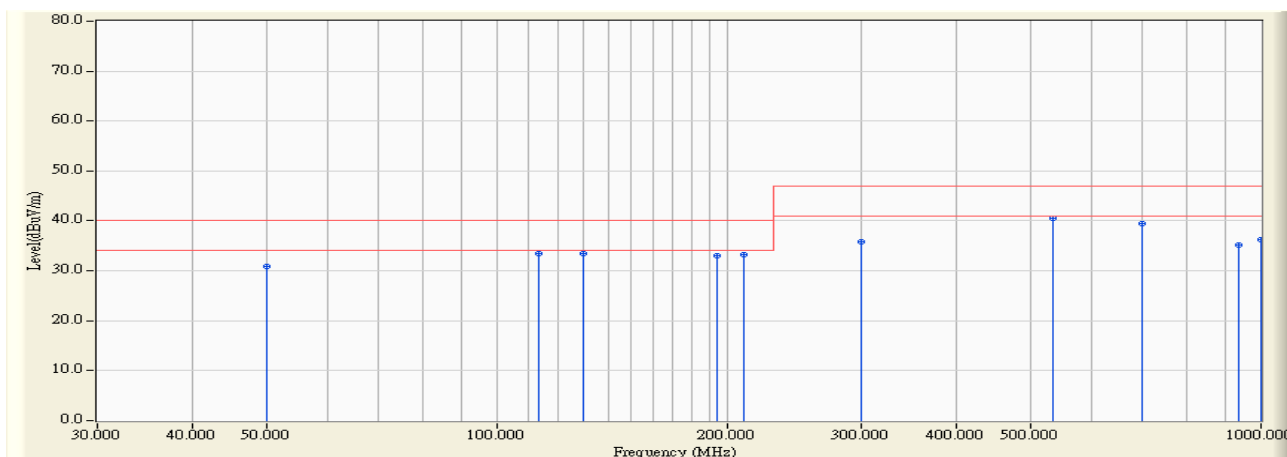


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		50.100	9.539	22.000	31.539	-8.461	40.000	QUASIPeAK
2		194.500	12.054	21.300	33.354	-6.646	40.000	QUASIPeAK
3		210.600	12.384	17.800	30.184	-9.816	40.000	QUASIPeAK
4		299.950	16.806	22.500	39.306	-7.694	47.000	QUASIPeAK
5		450.000	21.650	18.200	39.850	-7.150	47.000	QUASIPeAK
6		533.330	23.866	17.000	40.866	-6.134	47.000	QUASIPeAK
7	*	700.000	25.300	15.600	40.900	-6.100	47.000	QUASIPeAK
8		891.750	27.930	11.500	39.430	-7.570	47.000	QUASIPeAK
9		916.650	28.182	9.400	37.581	-9.419	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 22:10
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 2

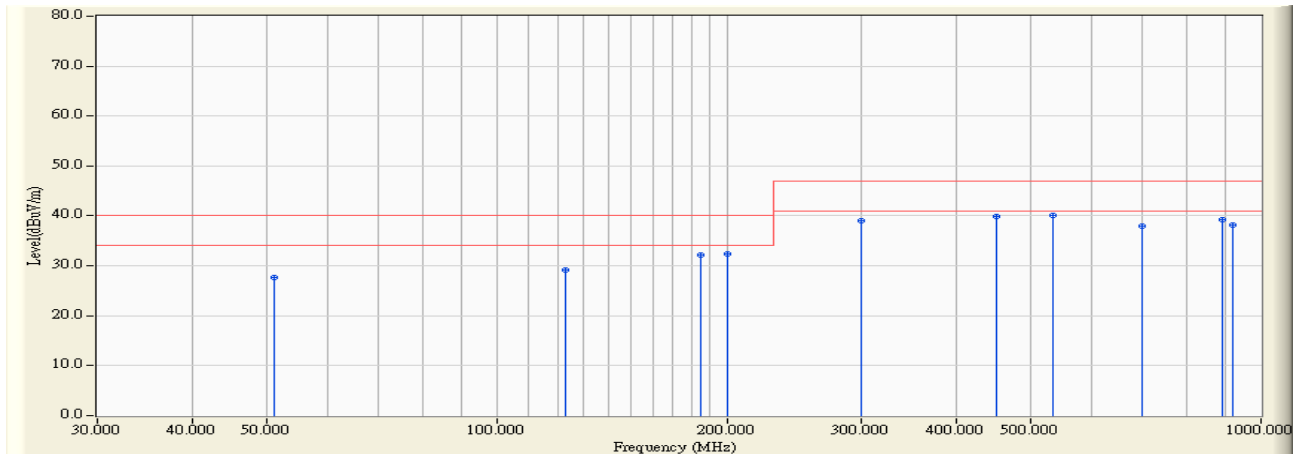


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		50.000	9.572	21.300	30.872	-9.128	40.000	QUASIPeAK
2		113.500	14.003	19.400	33.402	-6.598	40.000	QUASIPeAK
3		129.800	13.854	19.600	33.453	-6.547	40.000	QUASIPeAK
4		194.500	12.054	21.000	33.054	-6.946	40.000	QUASIPeAK
5		210.400	12.380	20.800	33.180	-6.820	40.000	QUASIPeAK
6		299.950	16.806	19.000	35.806	-11.194	47.000	QUASIPeAK
7	*	533.330	23.866	16.600	40.466	-6.534	47.000	QUASIPeAK
8		700.000	25.300	14.200	39.500	-7.500	47.000	QUASIPeAK
9		933.200	28.370	6.800	35.170	-11.830	47.000	QUASIPeAK
10		1000.000	29.400	6.900	36.300	-10.700	47.000	QUASIPeAK

Note:

- All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- " * ", means this data is the worst emission level.
- Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 21:18
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 3

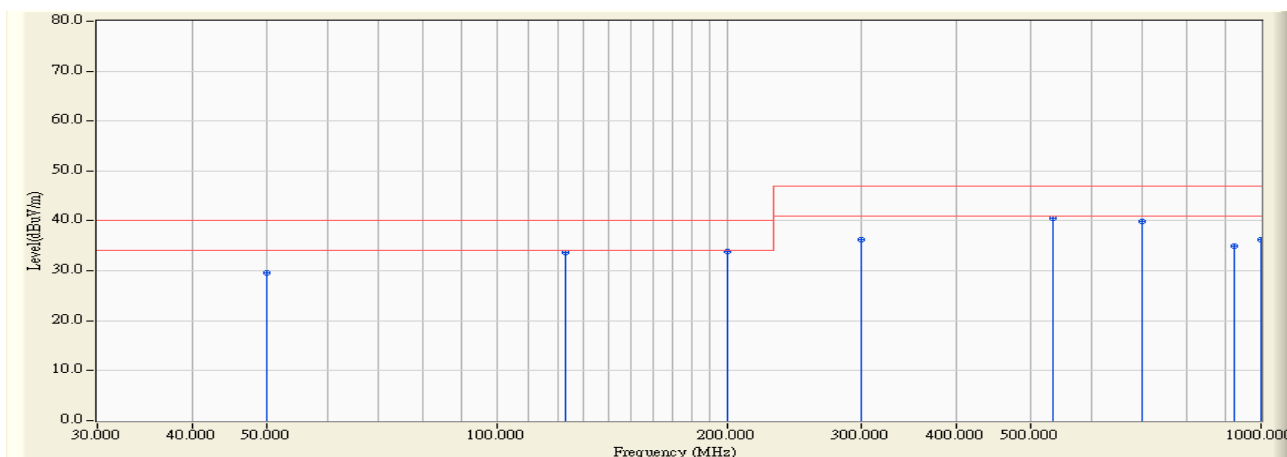


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		51.100	9.337	18.400	27.737	-12.263	40.000	QUASIPeAK
2		123.210	14.087	15.000	29.087	-10.913	40.000	QUASIPeAK
3		184.900	11.923	20.300	32.223	-7.777	40.000	QUASIPeAK
4		200.210	12.300	20.000	32.299	-7.701	40.000	QUASIPeAK
5		299.950	16.806	22.200	39.006	-7.994	47.000	QUASIPeAK
6		450.000	21.650	18.300	39.950	-7.050	47.000	QUASIPeAK
7	*	533.330	23.866	16.300	40.166	-6.834	47.000	QUASIPeAK
8		700.000	25.300	12.700	38.000	-9.000	47.000	QUASIPeAK
9		891.740	27.930	11.300	39.230	-7.770	47.000	QUASIPeAK
10		916.650	28.182	10.000	38.181	-8.819	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 21:35
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 3

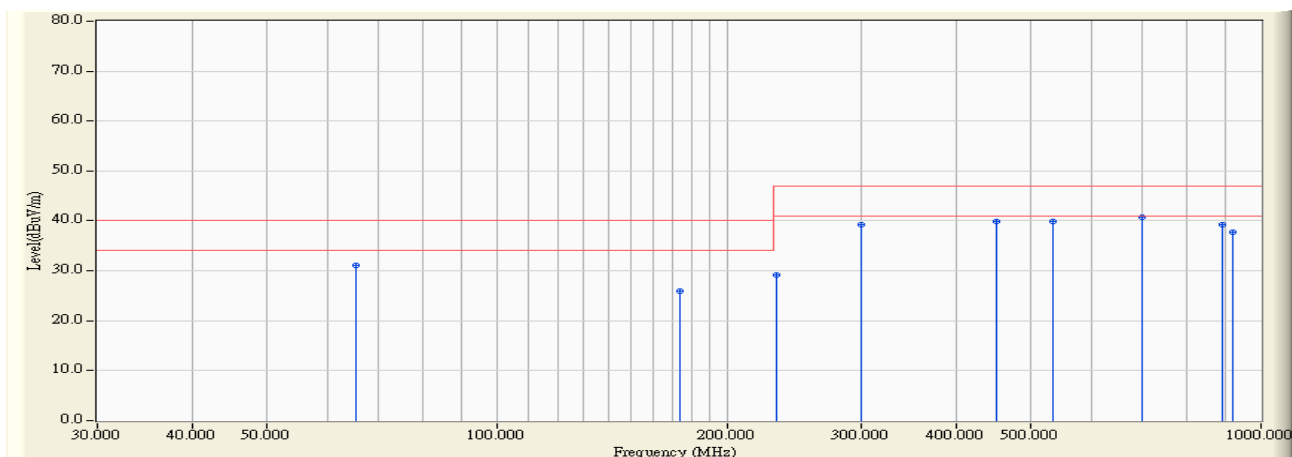


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		50.000	9.572	20.100	29.672	-10.328	40.000	QUASIPeAK
2		123.200	14.088	19.600	33.688	-6.312	40.000	QUASIPeAK
3	*	200.220	12.300	21.500	33.800	-6.200	40.000	QUASIPeAK
4		299.950	16.806	19.500	36.306	-10.694	47.000	QUASIPeAK
5		533.330	23.866	16.700	40.566	-6.434	47.000	QUASIPeAK
6		700.000	25.300	14.600	39.900	-7.100	47.000	QUASIPeAK
7		923.250	28.258	6.600	34.858	-12.142	47.000	QUASIPeAK
8		1000.000	29.400	6.900	36.300	-10.700	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 20:46
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 4

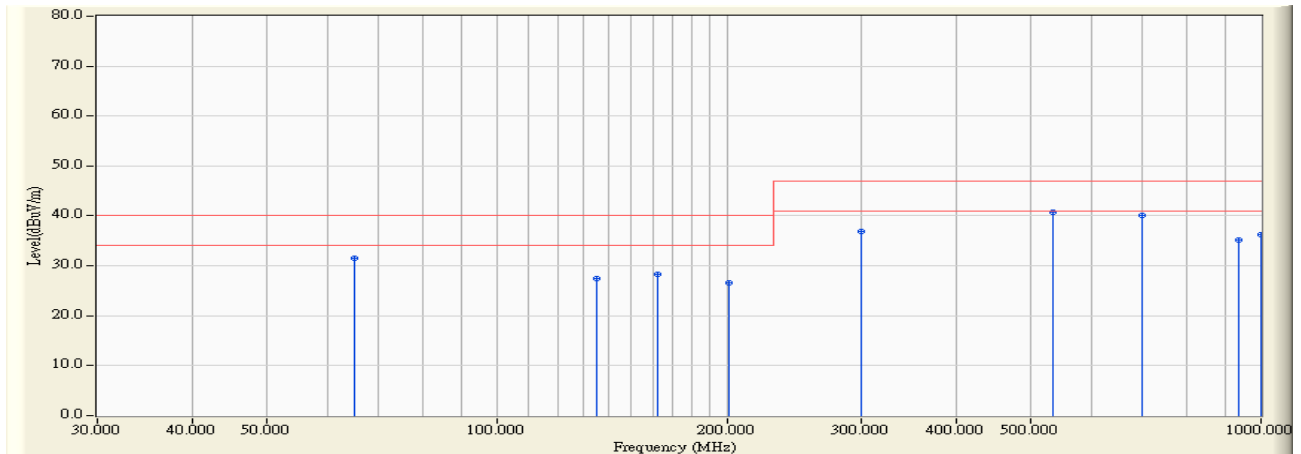


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		65.500	7.832	23.200	31.032	-8.968	40.000	QUASIPeak
2		173.700	12.224	13.800	26.024	-13.976	40.000	QUASIPeak
3		231.880	13.776	15.300	29.076	-17.924	47.000	QUASIPeak
4		299.950	16.806	22.400	39.206	-7.794	47.000	QUASIPeak
5		450.000	21.650	18.300	39.950	-7.050	47.000	QUASIPeak
6		533.340	23.866	16.100	39.966	-7.034	47.000	QUASIPeak
7	*	700.000	25.300	15.400	40.700	-6.300	47.000	QUASIPeak
8		891.750	27.930	11.400	39.330	-7.670	47.000	QUASIPeak
9		916.650	28.182	9.600	37.781	-9.219	47.000	QUASIPeak

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 21:00
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 4

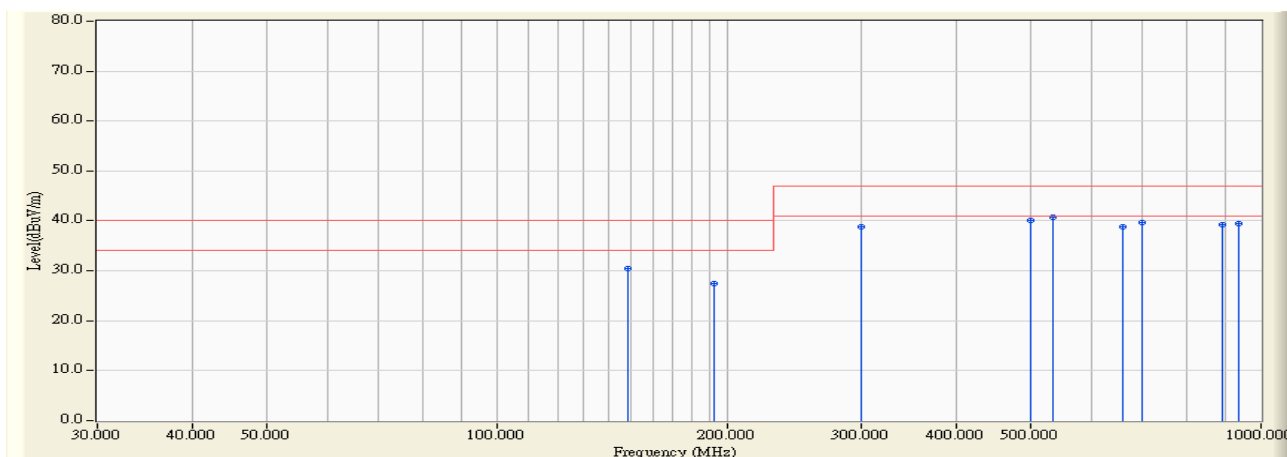


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		65.000	7.848	23.700	31.548	-8.452	40.000	QUASIPeAK
2		135.200	13.721	13.800	27.521	-12.479	40.000	QUASIPeAK
3		162.020	12.706	15.500	28.206	-11.794	40.000	QUASIPeAK
4		201.550	12.310	14.300	26.610	-13.390	40.000	QUASIPeAK
5		299.950	16.806	20.000	36.806	-10.194	47.000	QUASIPeAK
6	*	533.330	23.866	16.800	40.666	-6.334	47.000	QUASIPeAK
7		700.000	25.300	14.700	40.000	-7.000	47.000	QUASIPeAK
8		933.220	28.370	6.700	35.070	-11.930	47.000	QUASIPeAK
9		1000.000	29.400	6.800	36.200	-10.800	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 20:09
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 5

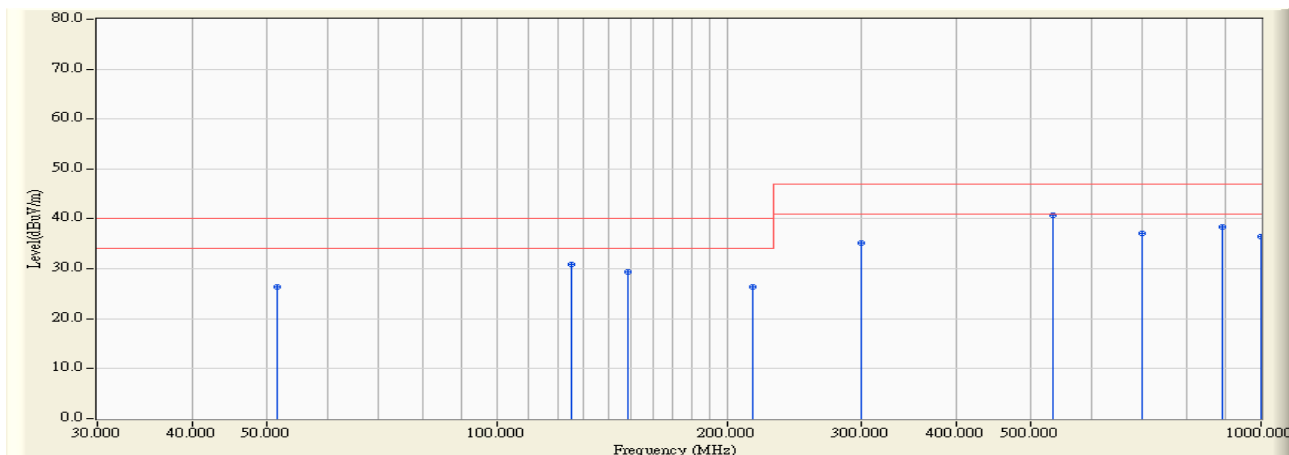


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		148.500	13.090	17.300	30.390	-9.610	40.000	QUASIPeAK
2		192.050	11.943	15.500	27.442	-12.558	40.000	QUASIPeAK
3		299.980	16.807	22.000	38.807	-8.193	47.000	QUASIPeAK
4		499.950	22.800	17.400	40.200	-6.800	47.000	QUASIPeAK
5	*	533.330	23.866	16.800	40.666	-6.334	47.000	QUASIPeAK
6		658.200	24.840	14.000	38.840	-8.160	47.000	QUASIPeAK
7		700.000	25.300	14.300	39.600	-7.400	47.000	QUASIPeAK
8		891.660	27.930	11.400	39.330	-7.670	47.000	QUASIPeAK
9		933.300	28.370	11.200	39.570	-7.430	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 20:27
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 5

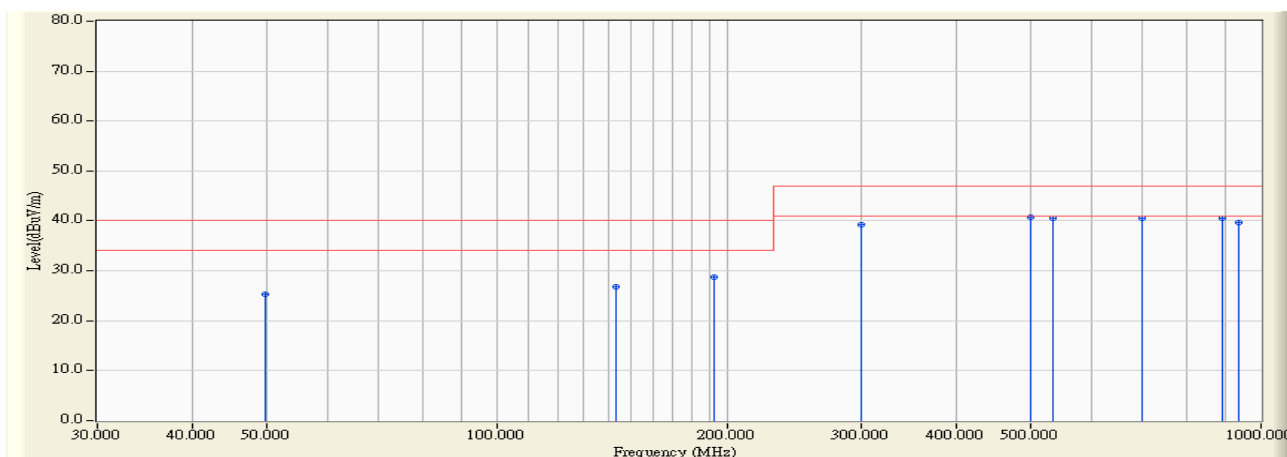


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		51.480	9.280	17.000	26.280	-13.720	40.000	QUASIPeAK
2		125.000	14.032	16.800	30.832	-9.168	40.000	QUASIPeAK
3		148.500	13.090	16.300	29.390	-10.610	40.000	QUASIPeAK
4		215.750	12.480	14.000	26.480	-13.520	40.000	QUASIPeAK
5		299.960	16.806	18.400	35.206	-11.794	47.000	QUASIPeAK
6	*	533.330	23.866	16.800	40.666	-6.334	47.000	QUASIPeAK
7		700.000	25.300	11.700	37.000	-10.000	47.000	QUASIPeAK
8		891.000	27.922	10.500	38.423	-8.577	47.000	QUASIPeAK
9		1000.000	29.400	7.000	36.400	-10.600	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 19:31
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 6

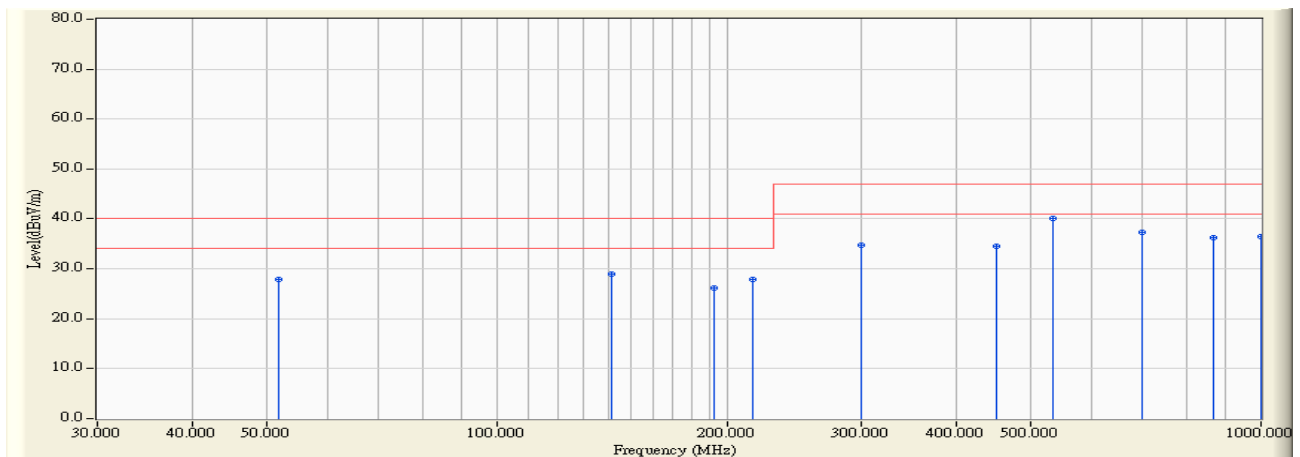


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		49.800	9.638	15.600	25.238	-14.762	40.000	QUASIPeAK
2		143.200	13.408	13.500	26.908	-13.092	40.000	QUASIPeAK
3		192.050	11.943	16.700	28.642	-11.358	40.000	QUASIPeAK
4		299.950	16.806	22.500	39.306	-7.694	47.000	QUASIPeAK
5	*	499.960	22.800	18.000	40.800	-6.200	47.000	QUASIPeAK
6		533.350	23.867	16.700	40.567	-6.433	47.000	QUASIPeAK
7		700.000	25.300	15.200	40.500	-6.500	47.000	QUASIPeAK
8		891.750	27.930	12.500	40.430	-6.570	47.000	QUASIPeAK
9		933.320	28.370	11.300	39.670	-7.330	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 19:50
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 6

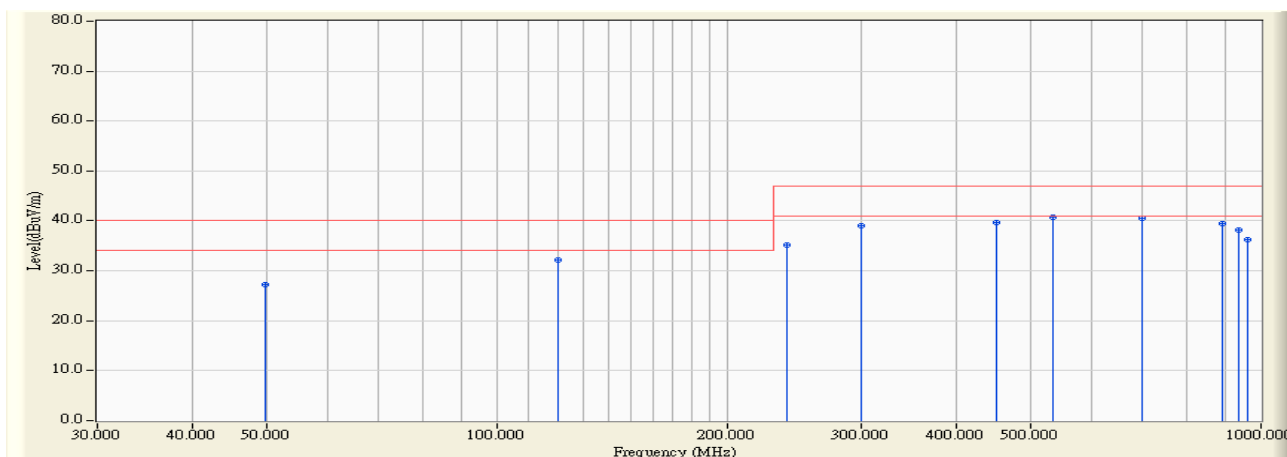


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		51.800	9.233	18.600	27.834	-12.166	40.000	QUASIPeAK
2		141.200	13.531	15.400	28.932	-11.068	40.000	QUASIPeAK
3		192.050	11.943	14.300	26.242	-13.758	40.000	QUASIPeAK
4		216.000	12.486	15.500	27.985	-12.015	40.000	QUASIPeAK
5		299.980	16.807	18.000	34.807	-12.193	47.000	QUASIPeAK
6		450.000	21.650	12.800	34.450	-12.550	47.000	QUASIPeAK
7	*	533.340	23.866	16.200	40.066	-6.934	47.000	QUASIPeAK
8		700.000	25.300	12.000	37.300	-9.700	47.000	QUASIPeAK
9		866.750	27.702	8.500	36.203	-10.797	47.000	QUASIPeAK
10		1000.000	29.400	7.000	36.400	-10.600	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 19:30
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 7

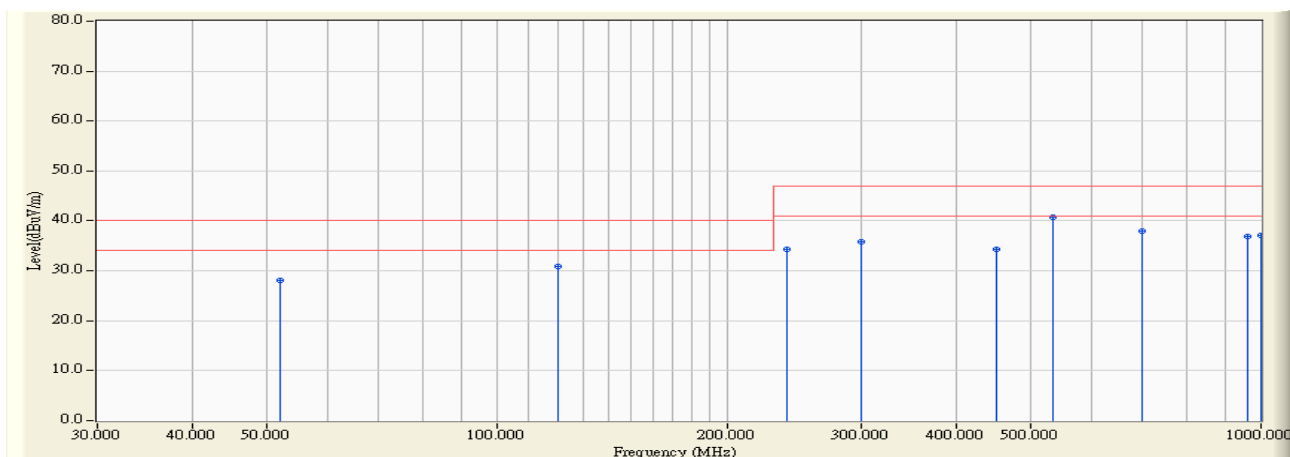


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		49.800	9.638	17.500	27.138	-12.862	40.000	QUASIPeAK
2		120.000	14.186	18.000	32.186	-7.814	40.000	QUASIPeAK
3		240.000	14.814	20.300	35.114	-11.886	47.000	QUASIPeAK
4		299.980	16.807	22.200	39.007	-7.993	47.000	QUASIPeAK
5		450.000	21.650	18.000	39.650	-7.350	47.000	QUASIPeAK
6	*	533.320	23.866	16.800	40.665	-6.335	47.000	QUASIPeAK
7		700.000	25.300	15.300	40.600	-6.400	47.000	QUASIPeAK
8		891.750	27.930	11.500	39.430	-7.570	47.000	QUASIPeAK
9		933.250	28.370	9.900	38.270	-8.730	47.000	QUASIPeAK
10		960.220	28.720	7.500	36.220	-10.780	47.000	QUASIPeAK

Note:

- All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- " * ", means this data is the worst emission level.
- Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 19:48
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 7

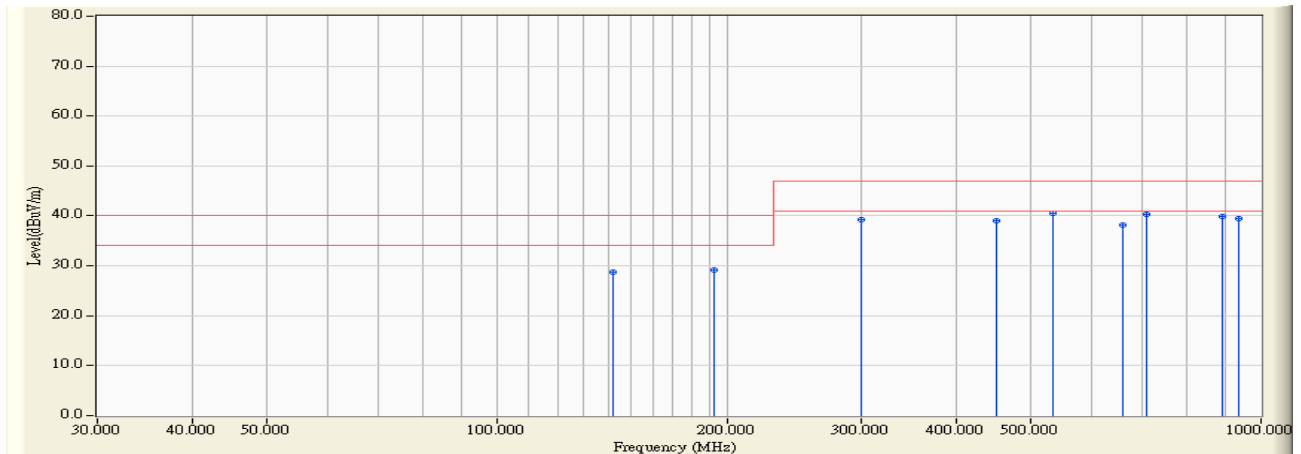


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		52.000	9.205	18.900	28.105	-11.895	40.000	QUASIPeAK
2		120.000	14.186	16.800	30.986	-9.014	40.000	QUASIPeAK
3		240.000	14.814	19.400	34.214	-12.786	47.000	QUASIPeAK
4		299.980	16.807	19.030	35.837	-11.163	47.000	QUASIPeAK
5		450.000	21.650	12.700	34.350	-12.650	47.000	QUASIPeAK
6	*	533.330	23.866	16.900	40.766	-6.234	47.000	QUASIPeAK
7		700.000	25.300	12.700	38.000	-9.000	47.000	QUASIPeAK
8		960.220	28.720	8.200	36.920	-10.080	47.000	QUASIPeAK
9		1000.000	29.400	7.800	37.200	-9.800	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 15:59
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 8

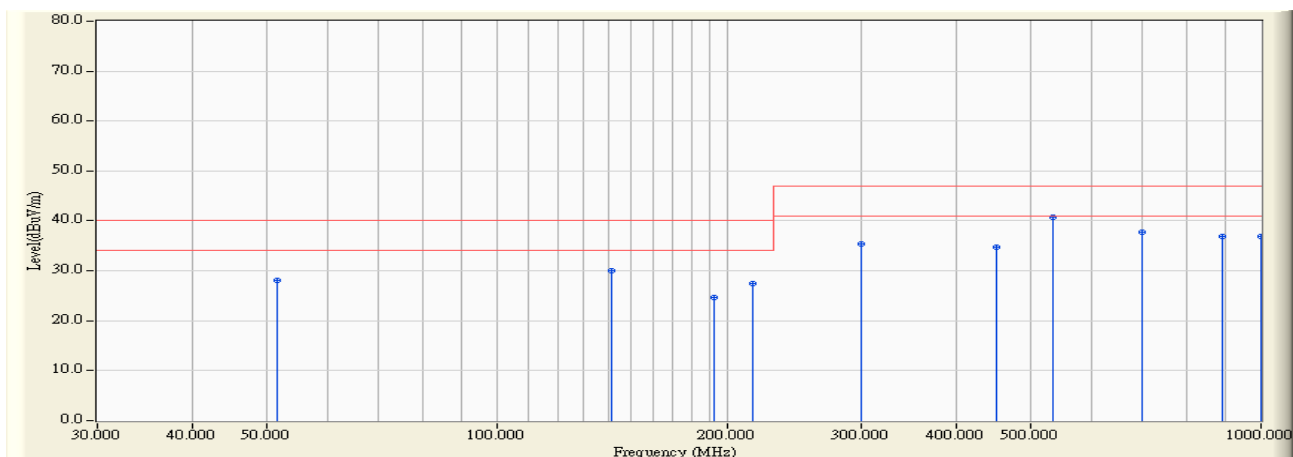


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		142.100	13.476	15.200	28.676	-11.324	40.000	QUASIPeAK
2		192.050	11.943	17.200	29.142	-10.858	40.000	QUASIPeAK
3		299.950	16.806	22.500	39.306	-7.694	47.000	QUASIPeAK
4		450.000	21.650	17.400	39.050	-7.950	47.000	QUASIPeAK
5	*	533.330	23.866	16.700	40.566	-6.434	47.000	QUASIPeAK
6		658.300	24.840	13.300	38.140	-8.860	47.000	QUASIPeAK
7		708.320	25.453	14.800	40.253	-6.747	47.000	QUASIPeAK
8		891.700	27.930	11.900	39.830	-7.170	47.000	QUASIPeAK
9		933.330	28.370	11.000	39.370	-7.630	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 16:20
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 8

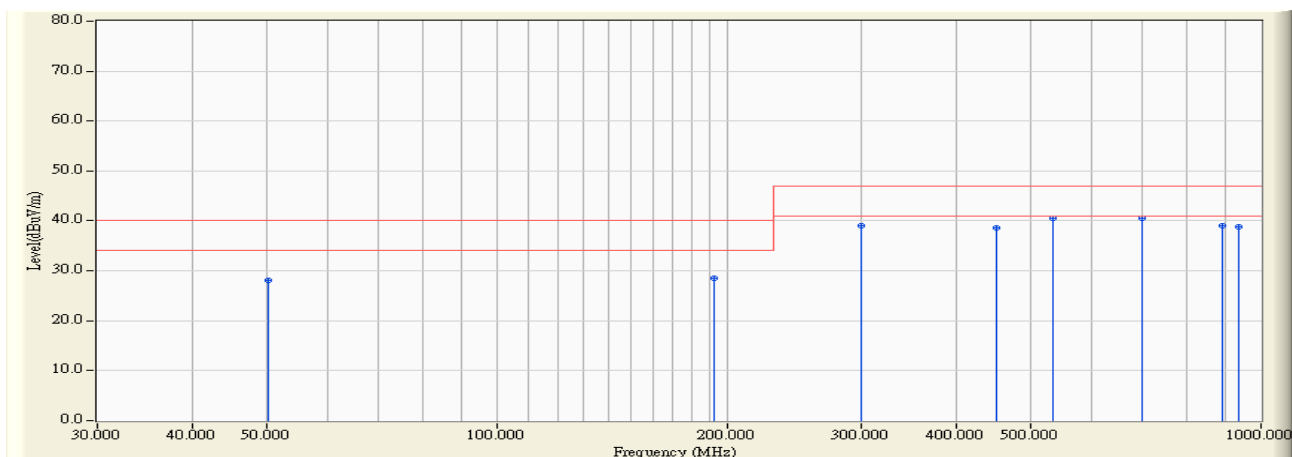


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		51.500	9.277	18.800	28.077	-11.923	40.000	QUASIPeAK
2		141.230	13.530	16.500	30.030	-9.970	40.000	QUASIPeAK
3		192.060	11.943	12.700	24.643	-15.357	40.000	QUASIPeAK
4		216.200	12.490	15.000	27.489	-12.511	40.000	QUASIPeAK
5		299.950	16.806	18.500	35.306	-11.694	47.000	QUASIPeAK
6		450.000	21.650	13.200	34.850	-12.150	47.000	QUASIPeAK
7	*	533.330	23.866	16.900	40.766	-6.234	47.000	QUASIPeAK
8		700.000	25.300	12.500	37.800	-9.200	47.000	QUASIPeAK
9		891.750	27.930	9.000	36.930	-10.070	47.000	QUASIPeAK
10		1000.000	29.400	7.530	36.930	-10.070	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 15:02
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 9

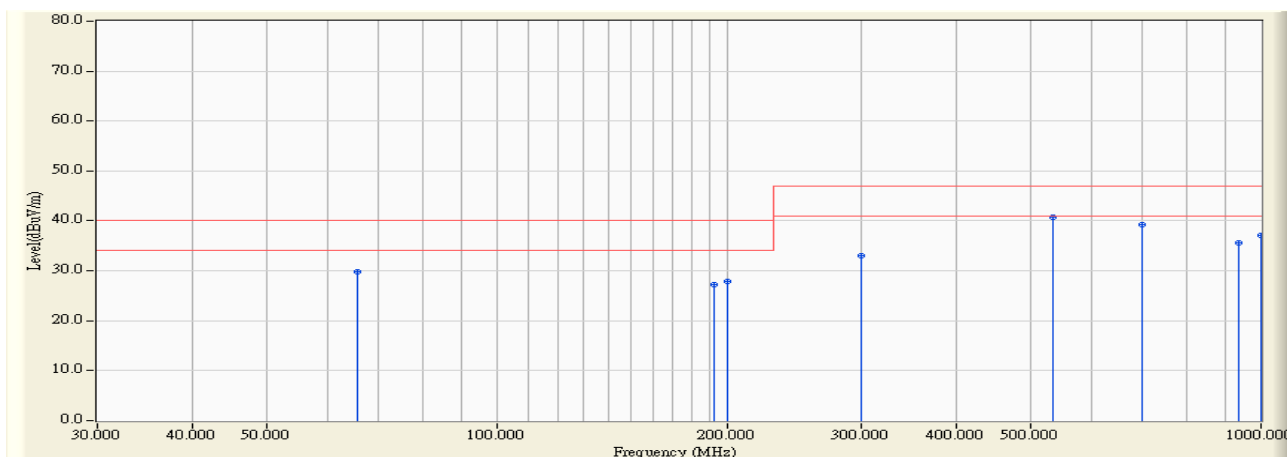


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		50.200	9.506	18.600	28.106	-11.894	40.000	QUASIPeAK
2		192.050	11.943	16.500	28.442	-11.558	40.000	QUASIPeAK
3		299.950	16.806	22.300	39.106	-7.894	47.000	QUASIPeAK
4		450.000	21.650	17.000	38.650	-8.350	47.000	QUASIPeAK
5		533.330	23.866	16.600	40.466	-6.534	47.000	QUASIPeAK
6	*	700.000	25.300	15.200	40.500	-6.500	47.000	QUASIPeAK
7		891.750	27.930	11.000	38.930	-8.070	47.000	QUASIPeAK
8		933.350	28.370	10.500	38.870	-8.130	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 15:20
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 9

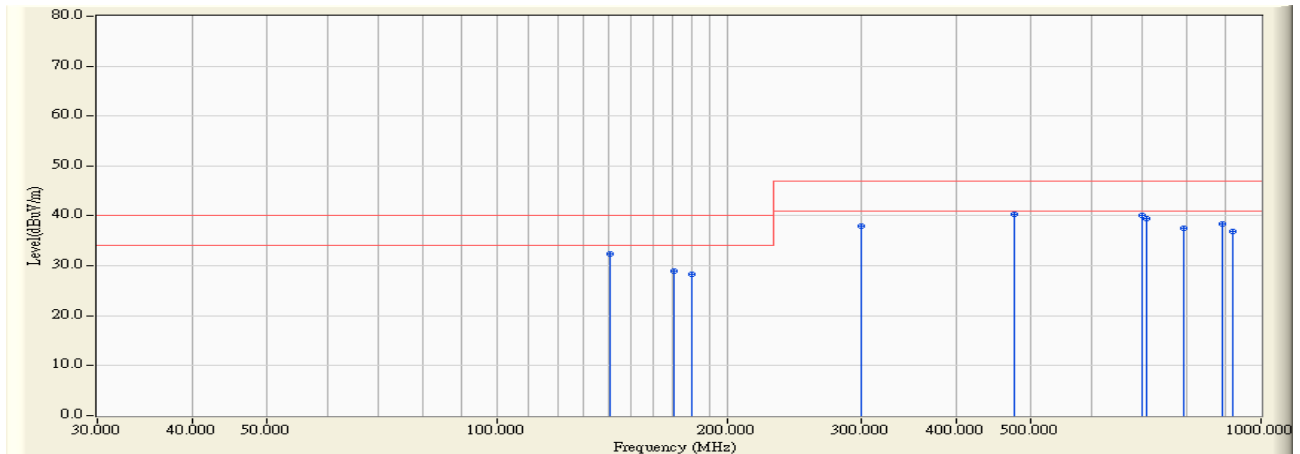


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		65.800	7.823	22.000	29.823	-10.177	40.000	QUASIPeAK
2		192.050	11.943	15.300	27.242	-12.758	40.000	QUASIPeAK
3		200.020	12.296	15.600	27.896	-12.104	40.000	QUASIPeAK
4		299.950	16.806	16.200	33.006	-13.994	47.000	QUASIPeAK
5	*	533.330	23.866	16.900	40.766	-6.234	47.000	QUASIPeAK
6		700.000	25.300	14.000	39.300	-7.700	47.000	QUASIPeAK
7		933.320	28.370	7.200	35.570	-11.430	47.000	QUASIPeAK
8		1000.000	29.400	7.800	37.200	-9.800	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 14:25
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 10

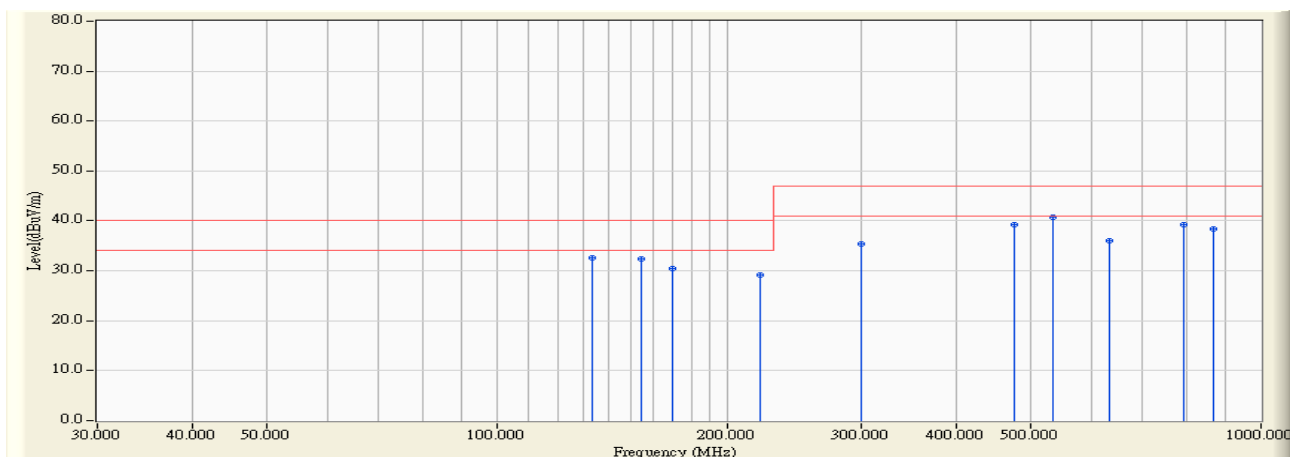


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		140.900	13.550	18.800	32.350	-7.650	40.000	QUASIPeAK
2		170.300	12.338	16.600	28.938	-11.062	40.000	QUASIPeAK
3		180.000	12.007	16.200	28.207	-11.793	40.000	QUASIPeAK
4		299.950	16.806	21.200	38.006	-8.994	47.000	QUASIPeAK
5	*	475.880	22.243	18.000	40.243	-6.757	47.000	QUASIPeAK
6		700.000	25.300	14.800	40.100	-6.900	47.000	QUASIPeAK
7		708.500	25.455	14.100	39.555	-7.445	47.000	QUASIPeAK
8		793.200	26.716	10.800	37.516	-9.484	47.000	QUASIPeAK
9		891.750	27.930	10.500	38.430	-8.570	47.000	QUASIPeAK
10		916.500	28.179	8.800	36.979	-10.021	47.000	QUASIPeAK

Note:

- All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- " * ", means this data is the worst emission level.
- Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/03/29 - 14:42
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 10

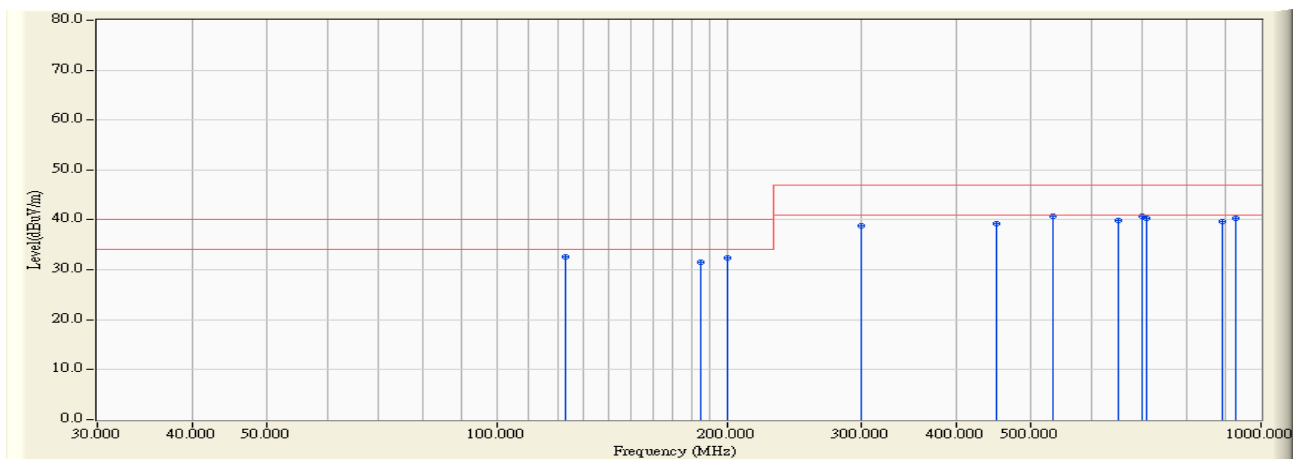


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		133.000	13.777	18.900	32.676	-7.324	40.000	QUASIPeAK
2		154.600	12.911	19.500	32.411	-7.589	40.000	QUASIPeAK
3		170.000	12.354	18.000	30.354	-9.646	40.000	QUASIPeAK
4		221.300	12.691	16.500	29.192	-10.808	40.000	QUASIPeAK
5		300.000	16.807	18.600	35.407	-11.593	47.000	QUASIPeAK
6		475.850	22.243	17.000	39.243	-7.757	47.000	QUASIPeAK
7	*	533.340	23.866	16.900	40.766	-6.234	47.000	QUASIPeAK
8		634.400	24.641	11.400	36.041	-10.959	47.000	QUASIPeAK
9		793.100	26.714	12.600	39.314	-7.686	47.000	QUASIPeAK
10		866.600	27.700	10.700	38.399	-8.601	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/04/09 - 14:18
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 11

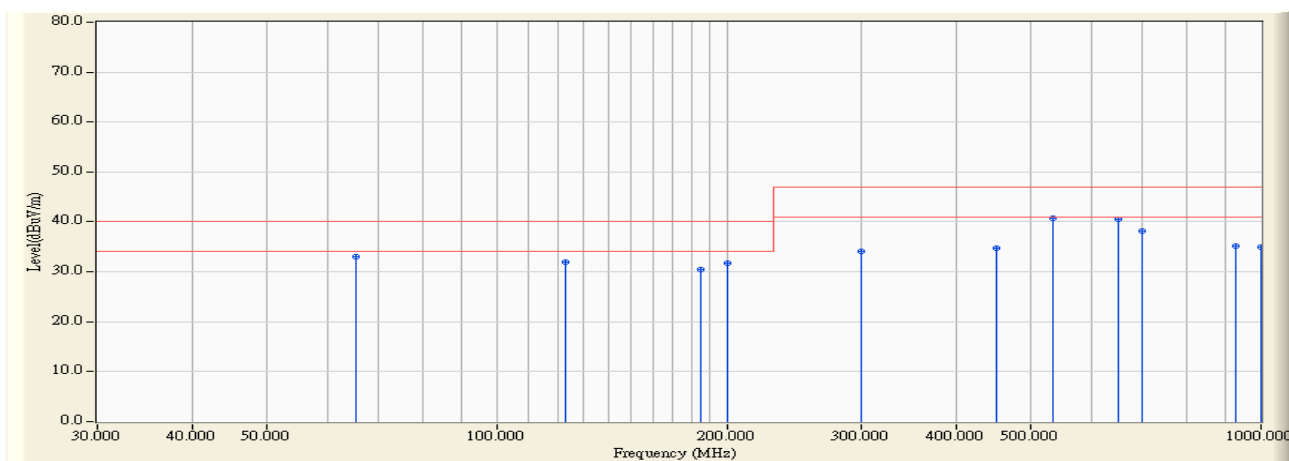


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		123.210	14.087	18.500	32.587	-7.413	40.000	QUASIPeAK
2		184.800	11.924	19.600	31.524	-8.476	40.000	QUASIPeAK
3		200.010	12.296	20.100	32.395	-7.605	40.000	QUASIPeAK
4		300.000	16.807	22.000	38.807	-8.193	47.000	QUASIPeAK
5		450.000	21.650	17.600	39.250	-7.750	47.000	QUASIPeAK
6	*	533.330	23.866	16.900	40.766	-6.234	47.000	QUASIPeAK
7		650.000	24.750	15.200	39.950	-7.050	47.000	QUASIPeAK
8		700.000	25.300	15.400	40.700	-6.300	47.000	QUASIPeAK
9		708.330	25.453	14.900	40.353	-6.647	47.000	QUASIPeAK
10		891.670	27.930	11.700	39.630	-7.370	47.000	QUASIPeAK
11		925.010	28.277	12.100	40.377	-6.623	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site4	Time : 2013/04/09 - 14:40
Limit : CISPR_A_10M_QP	Margin : 6
EUT : DLP Projector	Probe : Site4_CBL6112_10M_1207 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 11

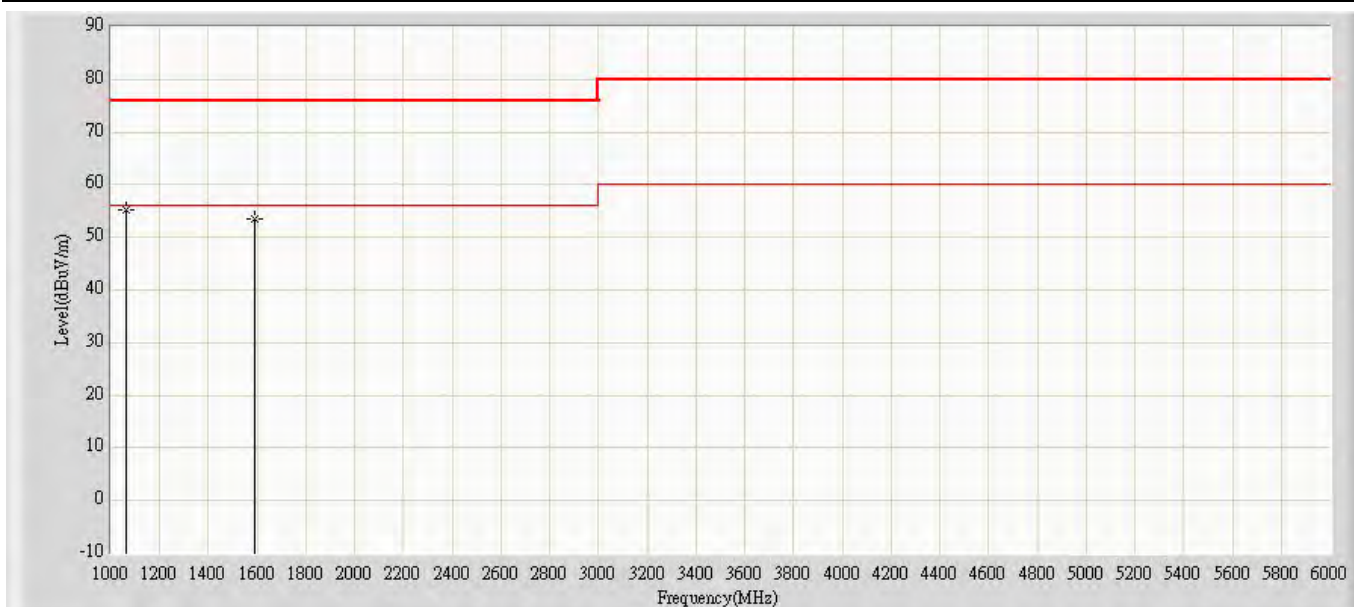


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		65.500	7.832	25.100	32.932	-7.068	40.000	QUASIPeAK
2		123.210	14.087	17.900	31.987	-8.013	40.000	QUASIPeAK
3		184.800	11.924	18.500	30.424	-9.576	40.000	QUASIPeAK
4		200.210	12.300	19.400	31.699	-8.301	40.000	QUASIPeAK
5		299.950	16.806	17.300	34.106	-12.894	47.000	QUASIPeAK
6		450.000	21.650	13.100	34.750	-12.250	47.000	QUASIPeAK
7	*	533.330	23.866	16.800	40.666	-6.334	47.000	QUASIPeAK
8		650.000	24.750	15.800	40.550	-6.450	47.000	QUASIPeAK
9		700.000	25.300	12.900	38.200	-8.800	47.000	QUASIPeAK
10		925.000	28.277	7.000	35.277	-11.723	47.000	QUASIPeAK
11		1000.000	29.400	5.500	34.900	-12.100	47.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site: CB7	Time: 2013/03/29 - 00:22
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 1	

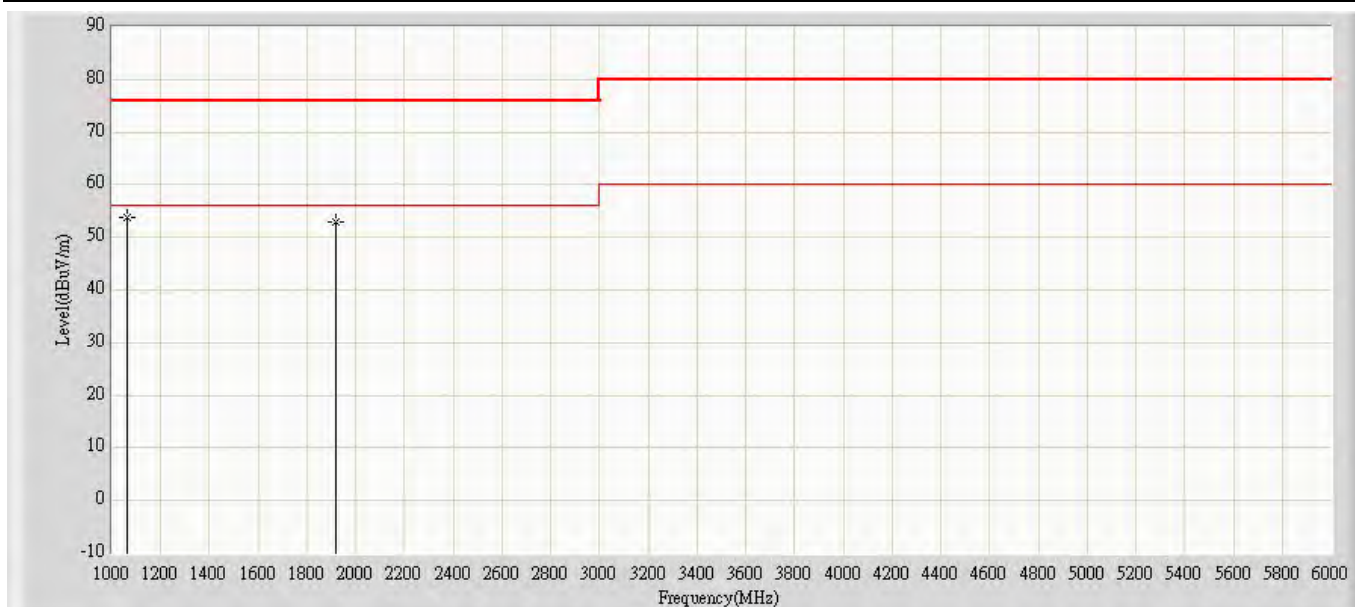


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	55.101	60.850	-20.899	76.000	-5.749	PK
2		1590.000	53.611	58.090	-22.389	76.000	-4.479	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 00:30
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 1	

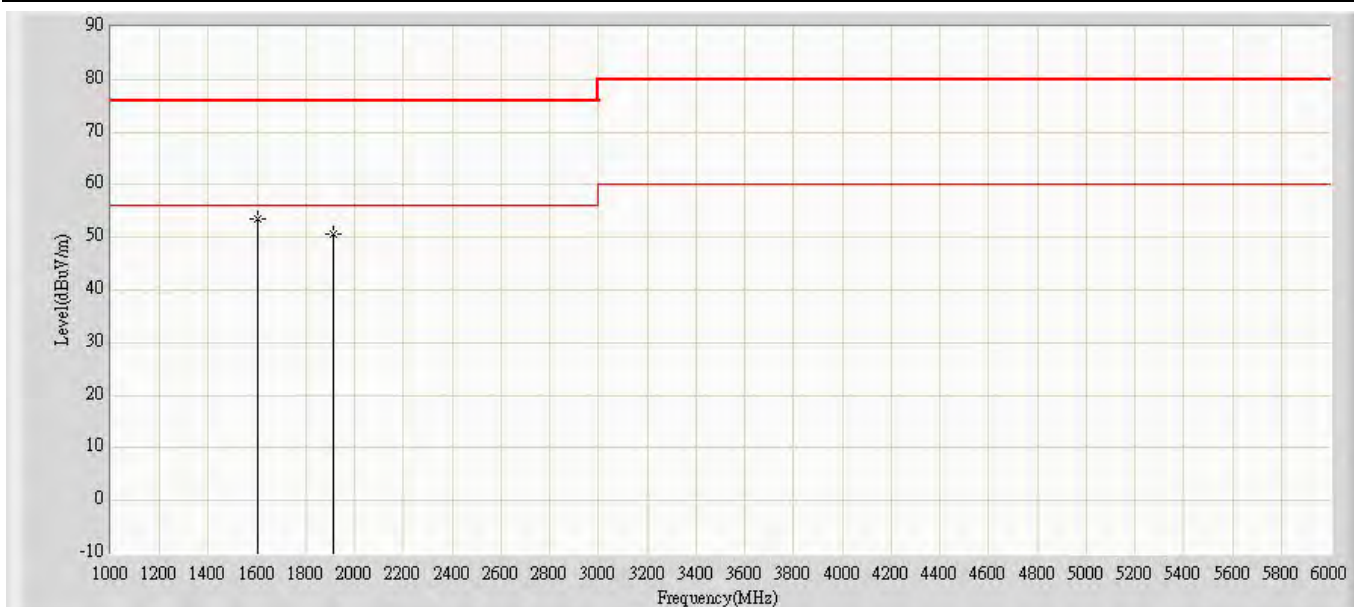


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.881	59.630	-22.119	76.000	-5.749	PK
2		1920.000	52.991	57.000	-23.009	76.000	-4.009	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 01:30
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 2	

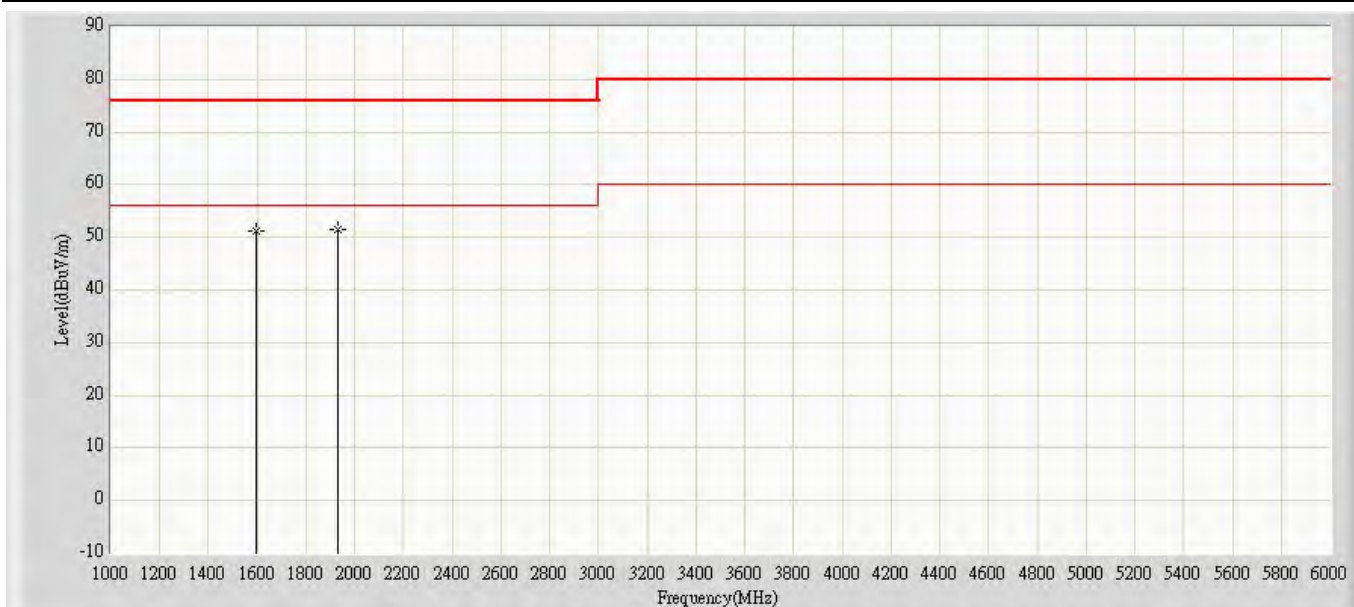


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1600.000	53.396	57.860	-22.604	76.000	-4.464	PK
2		1910.000	50.706	54.730	-25.294	76.000	-4.024	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 01:36
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 2	

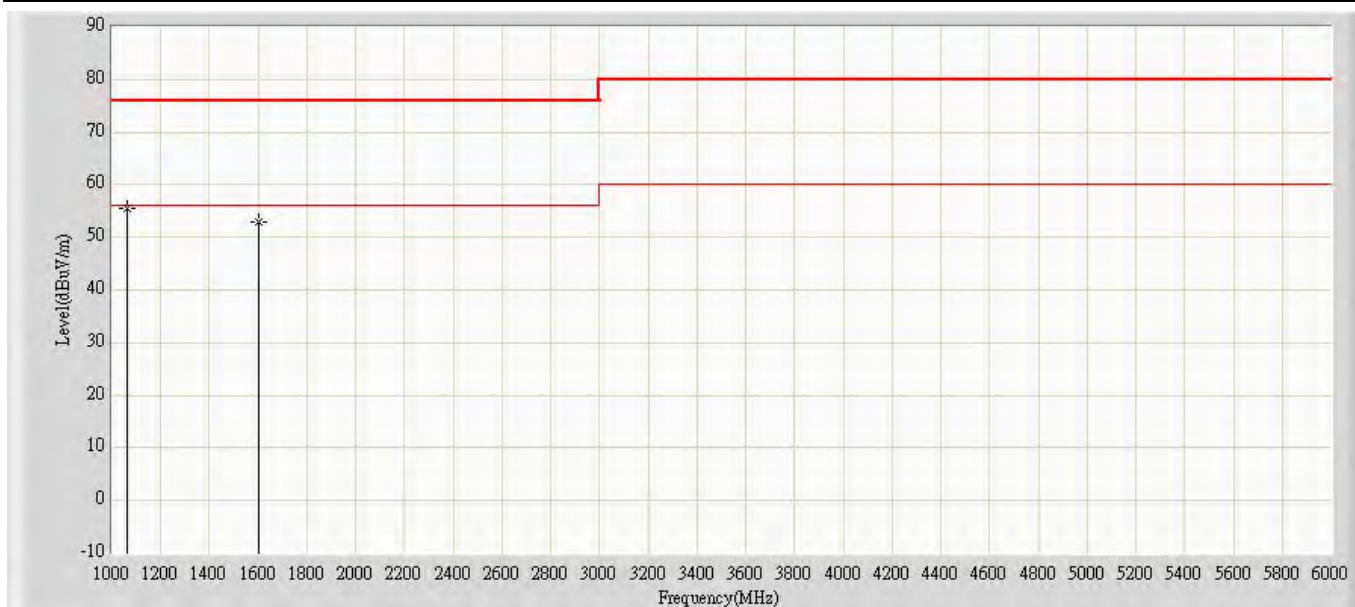


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		1593.000	51.336	55.810	-24.664	76.000	-4.473	PK
2	*	1930.000	51.387	55.390	-24.613	76.000	-4.003	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 02:09
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 3	

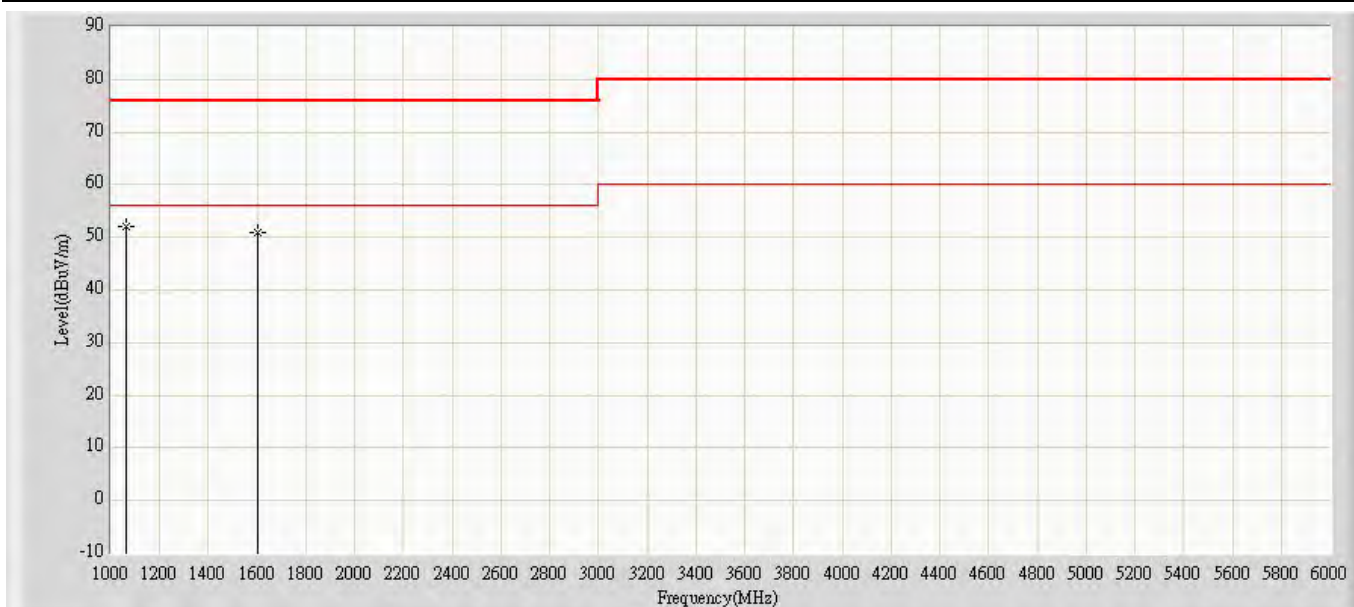


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	55.561	61.310	-20.439	76.000	-5.749	PK
2		1600.000	52.856	57.320	-23.144	76.000	-4.464	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 02:15
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 3	

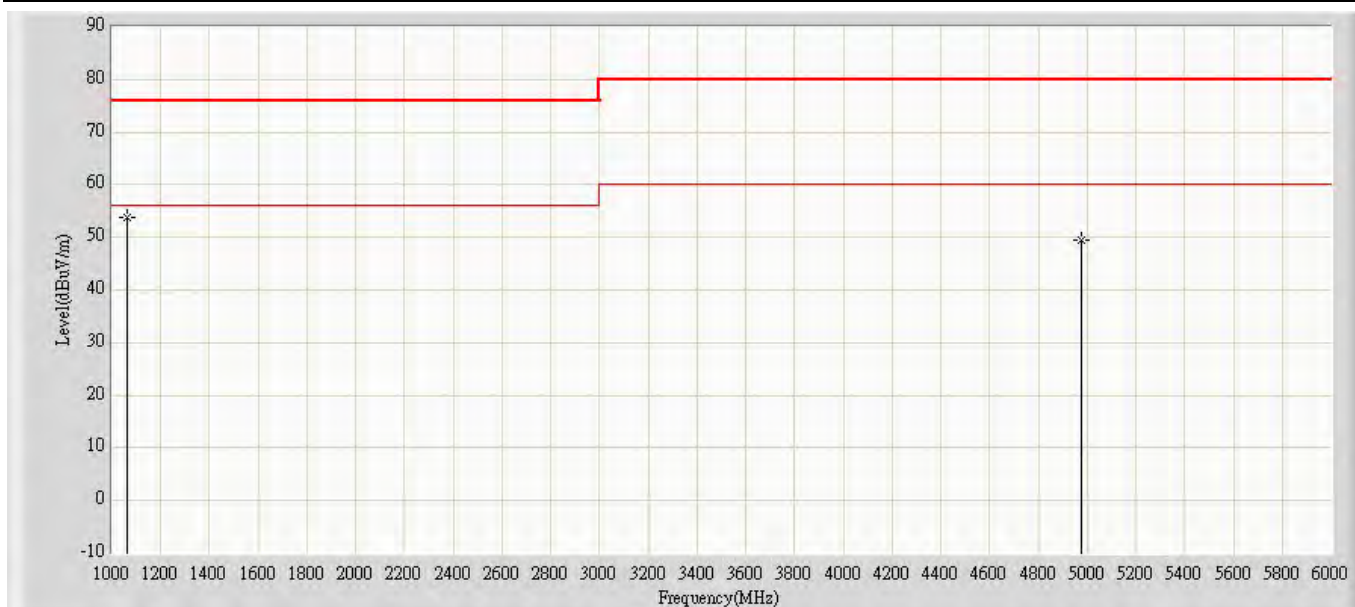


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	52.181	57.930	-23.819	76.000	-5.749	PK
2		1600.000	50.816	55.280	-25.184	76.000	-4.464	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 02:49
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 4	

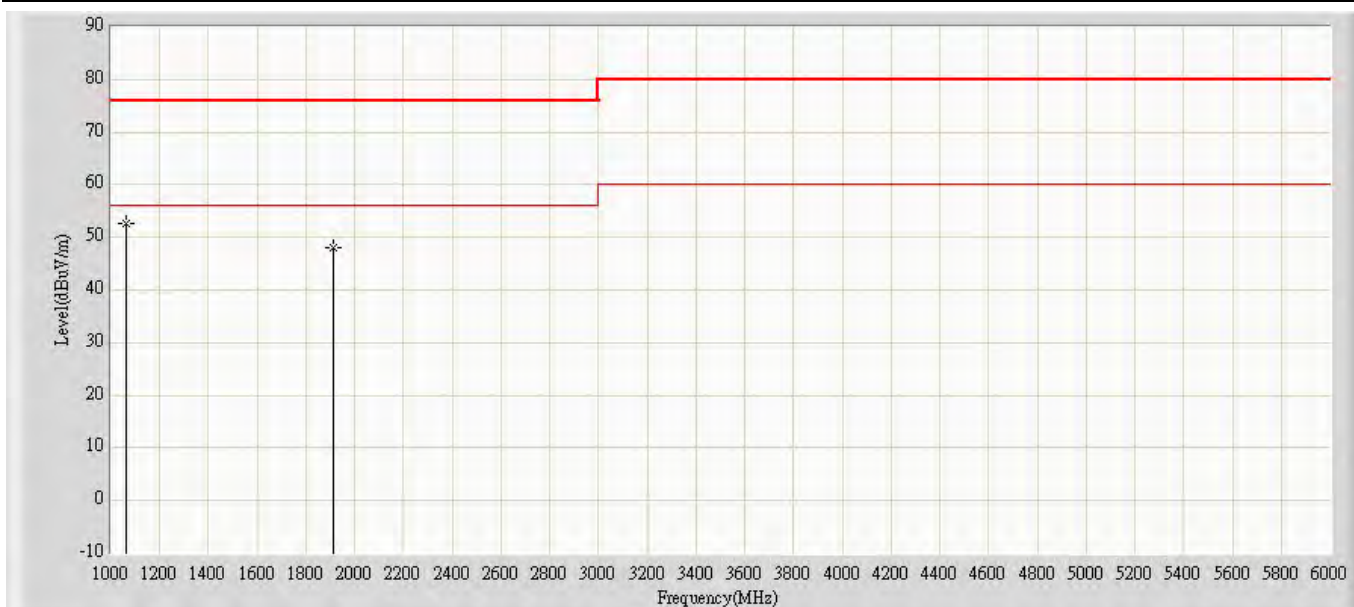


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.721	59.470	-22.279	76.000	-5.749	PK
2		4978.000	49.540	44.340	-30.460	80.000	5.200	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 02:56
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 4	

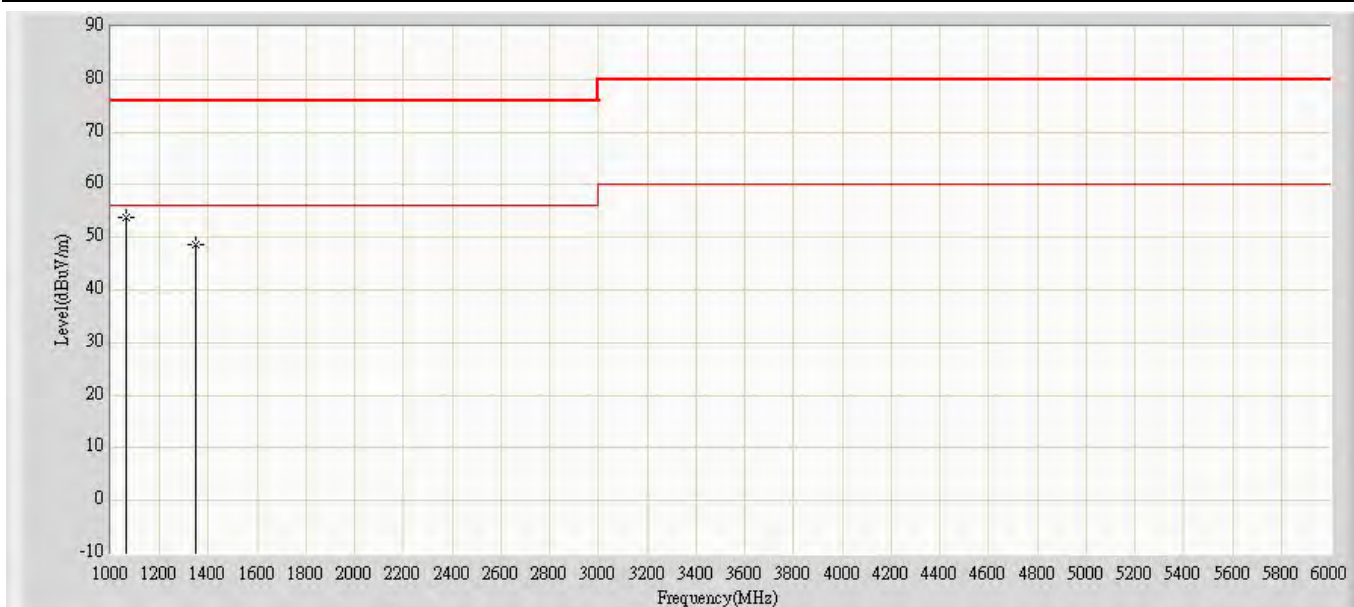


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	52.511	58.260	-23.489	76.000	-5.749	PK
2		1910.000	48.106	52.130	-27.894	76.000	-4.024	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 03:18
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 5	

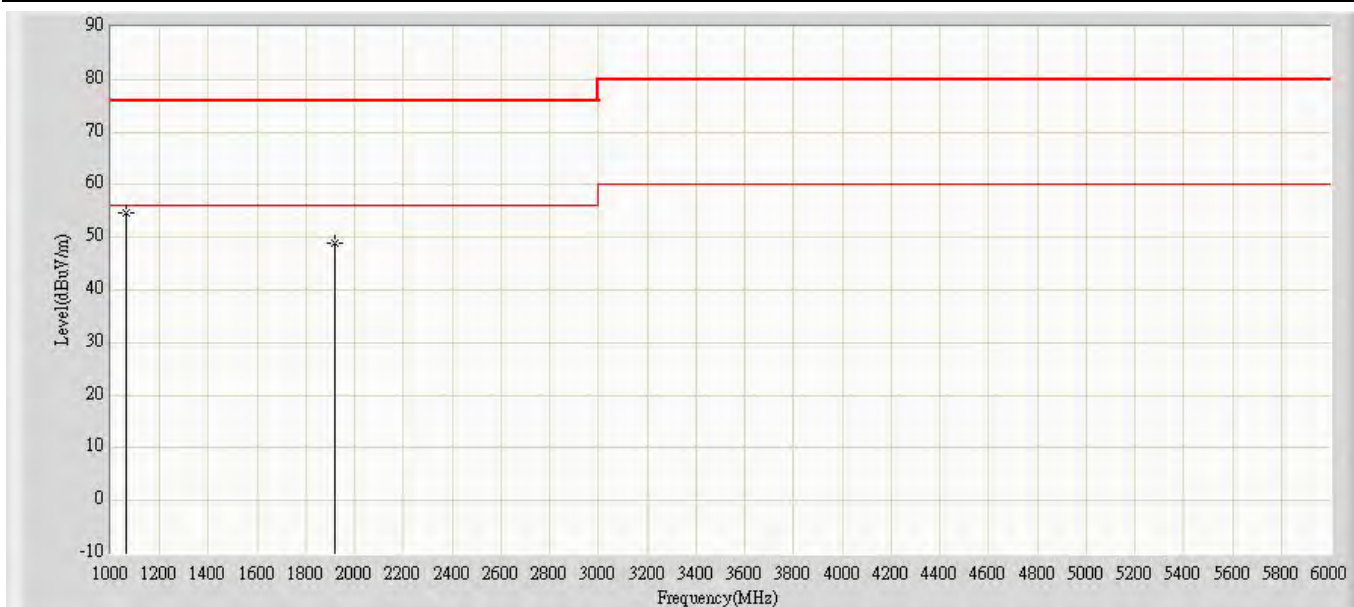


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.711	59.460	-22.289	76.000	-5.749	PK
2		1350.000	48.524	53.510	-27.476	76.000	-4.986	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 03:25
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 5	

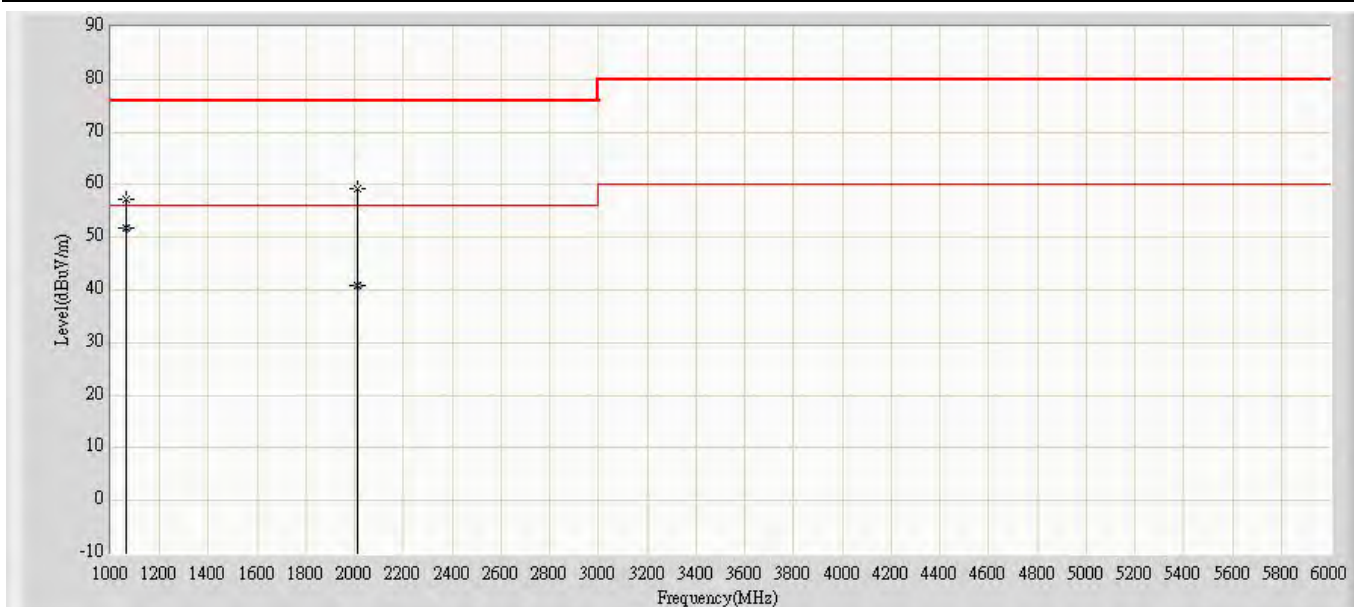


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	54.791	60.540	-21.209	76.000	-5.749	PK
2		1920.000	48.991	53.000	-27.009	76.000	-4.009	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 04:03
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 6	

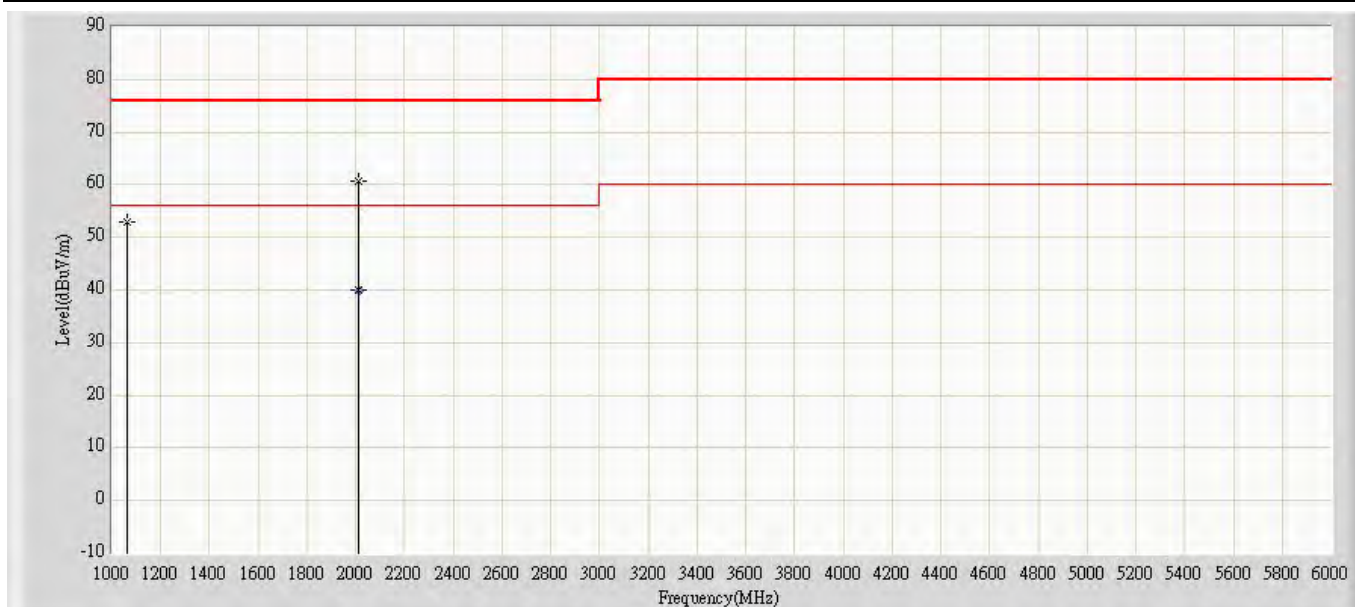


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		1060.000	57.271	63.020	-18.729	76.000	-5.749	PK
2	*	1060.000	51.751	57.500	-4.249	56.000	-5.749	AV
3		2010.000	59.339	63.200	-16.661	76.000	-3.861	PK
4		2010.000	40.939	44.800	-15.061	56.000	-3.861	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 04:10
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 6	

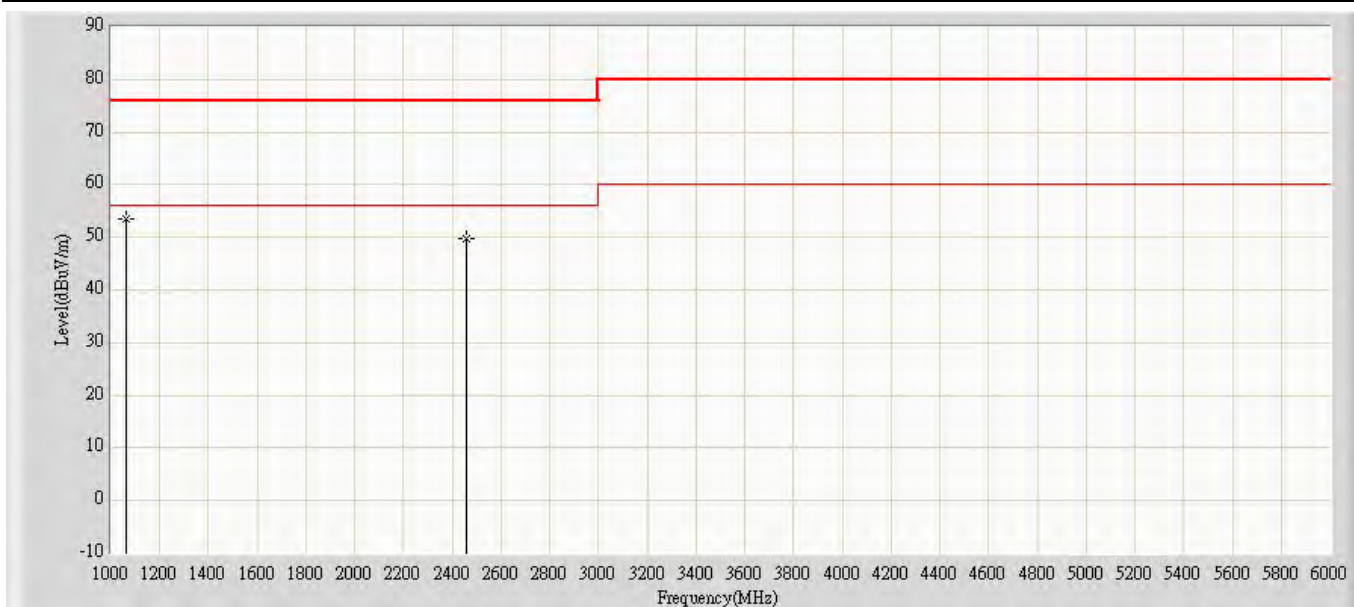


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		1060.000	53.071	58.820	-22.929	76.000	-5.749	PK
2	*	2010.000	60.579	64.440	-15.421	76.000	-3.861	PK
3		2010.000	39.939	43.800	-16.061	56.000	-3.861	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 04:55
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 7	

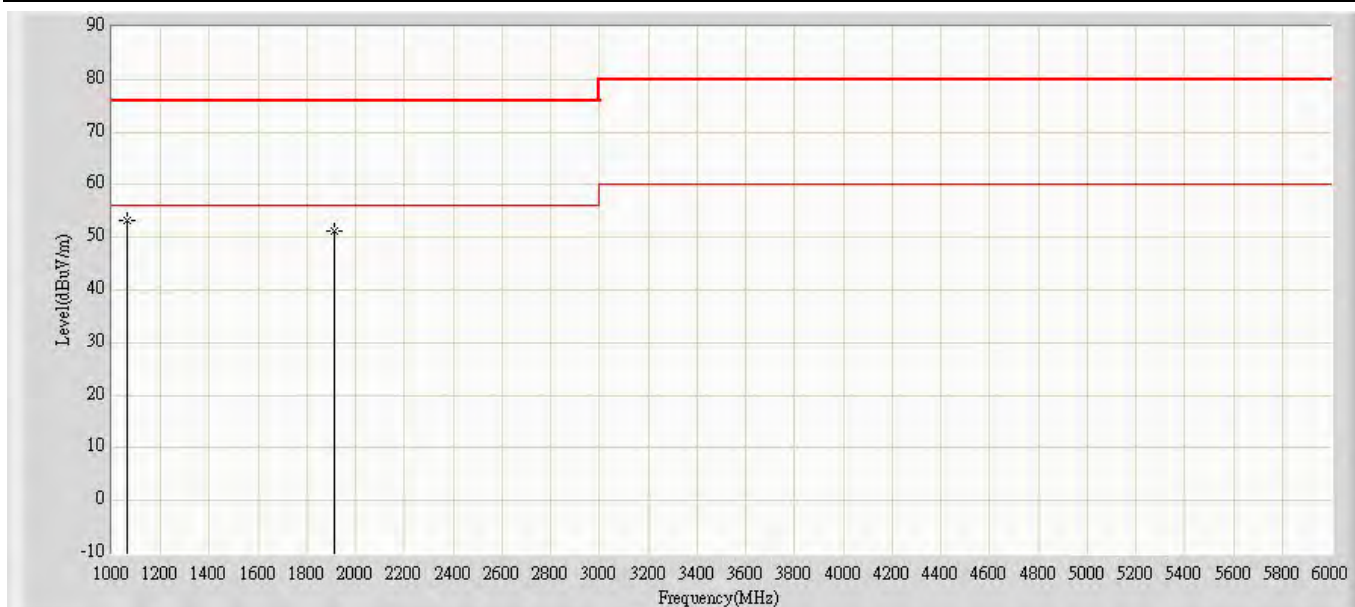


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.621	59.370	-22.379	76.000	-5.749	PK
2		2460.000	49.873	52.120	-26.127	76.000	-2.247	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 05:03
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 7	

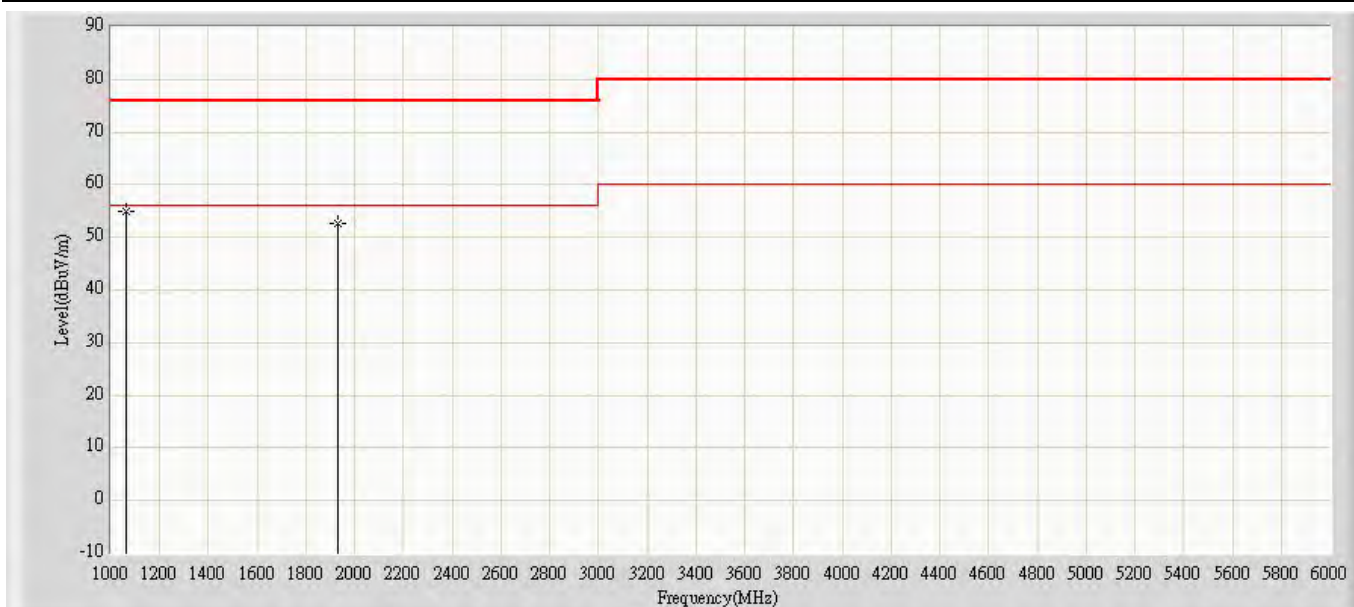


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.161	58.910	-22.839	76.000	-5.749	PK
2		1910.000	51.236	55.260	-24.764	76.000	-4.024	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 05:22
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 8	

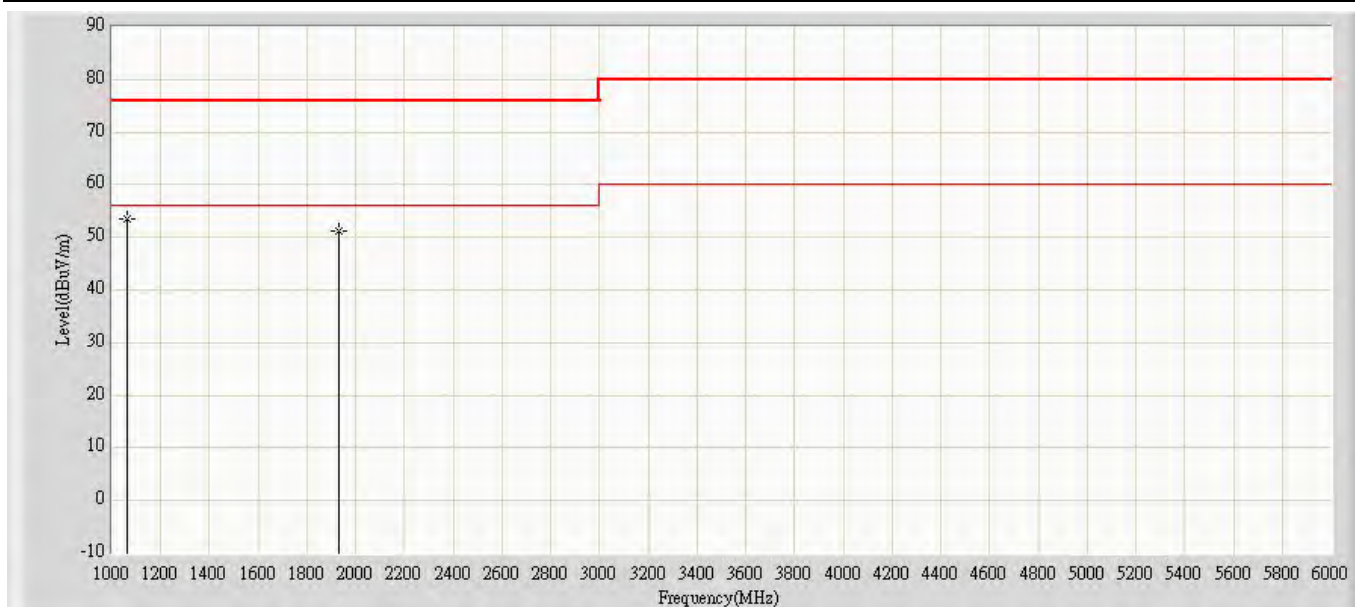


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	54.801	60.550	-21.199	76.000	-5.749	PK
2		1930.000	52.577	56.580	-23.423	76.000	-4.003	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 05:29
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 8	

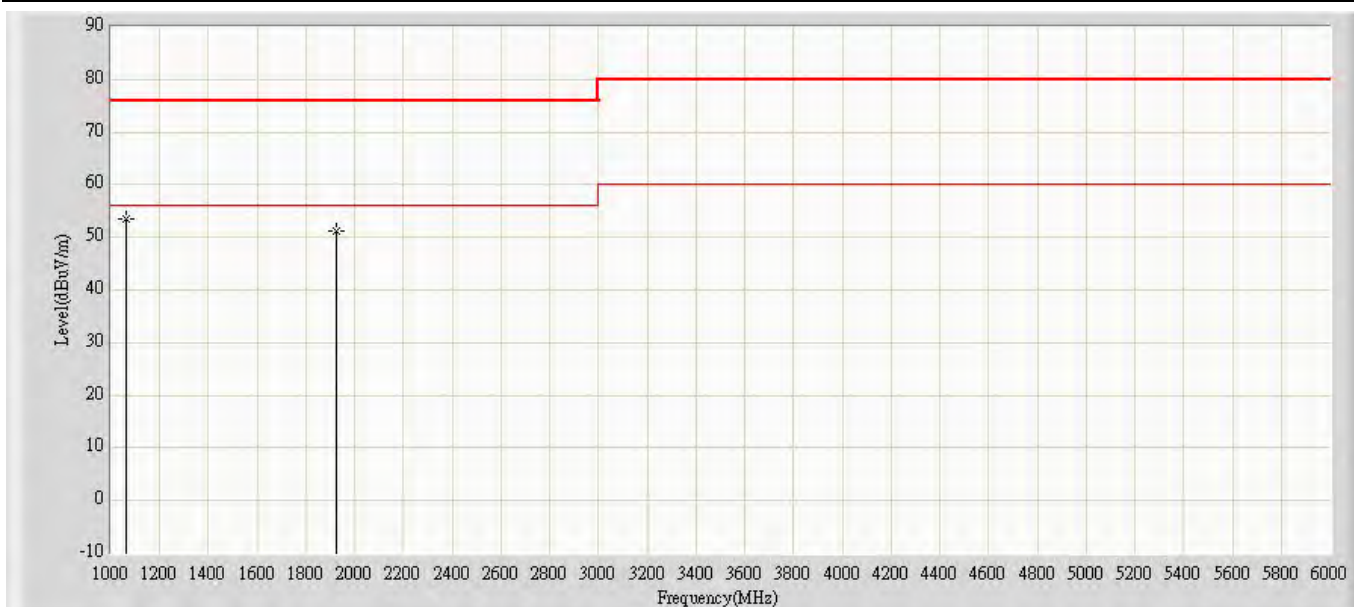


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.531	59.280	-22.469	76.000	-5.749	PK
2		1930.000	51.167	55.170	-24.833	76.000	-4.003	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 06:16
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 9	

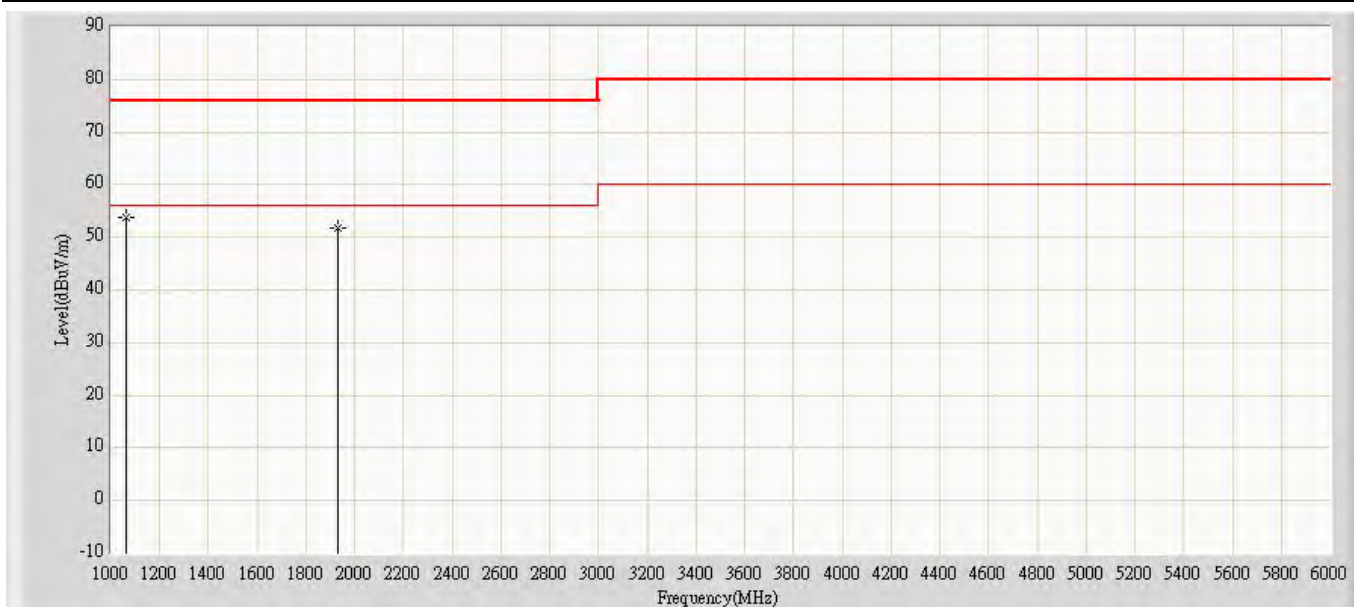


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.511	59.260	-22.489	76.000	-5.749	PK
2		1925.000	51.334	55.340	-24.666	76.000	-4.006	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 06:23
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 9	

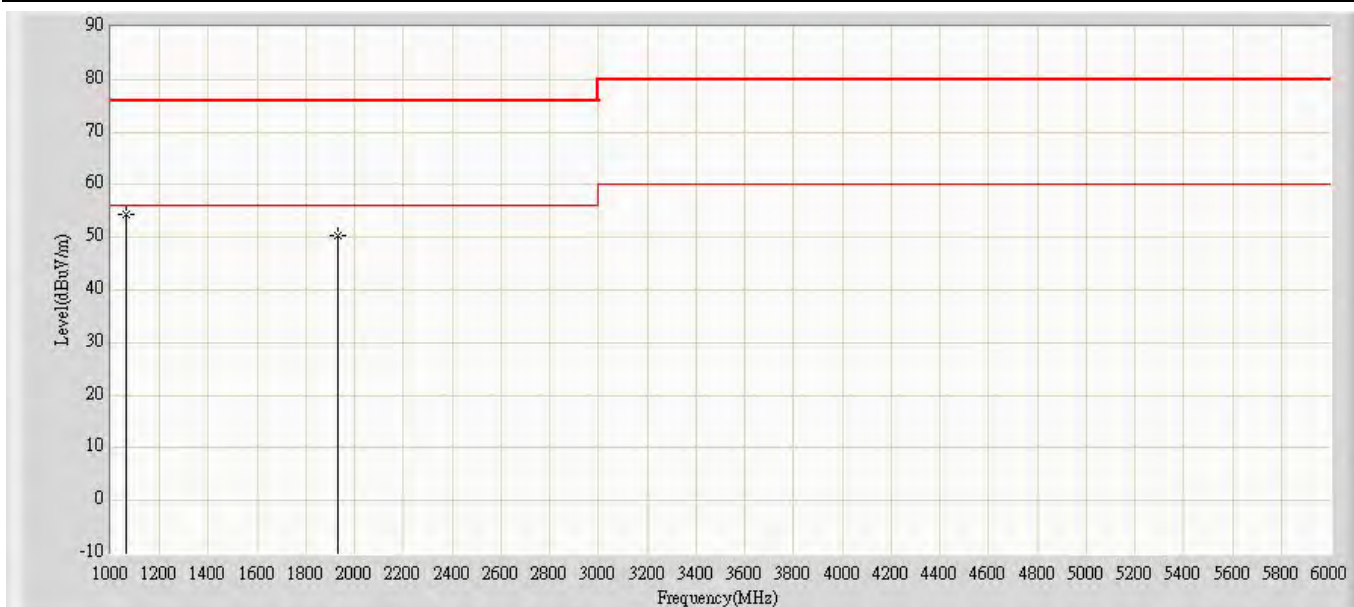


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	53.931	59.680	-22.069	76.000	-5.749	PK
2		1930.000	51.737	55.740	-24.263	76.000	-4.003	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 06:44
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 10	

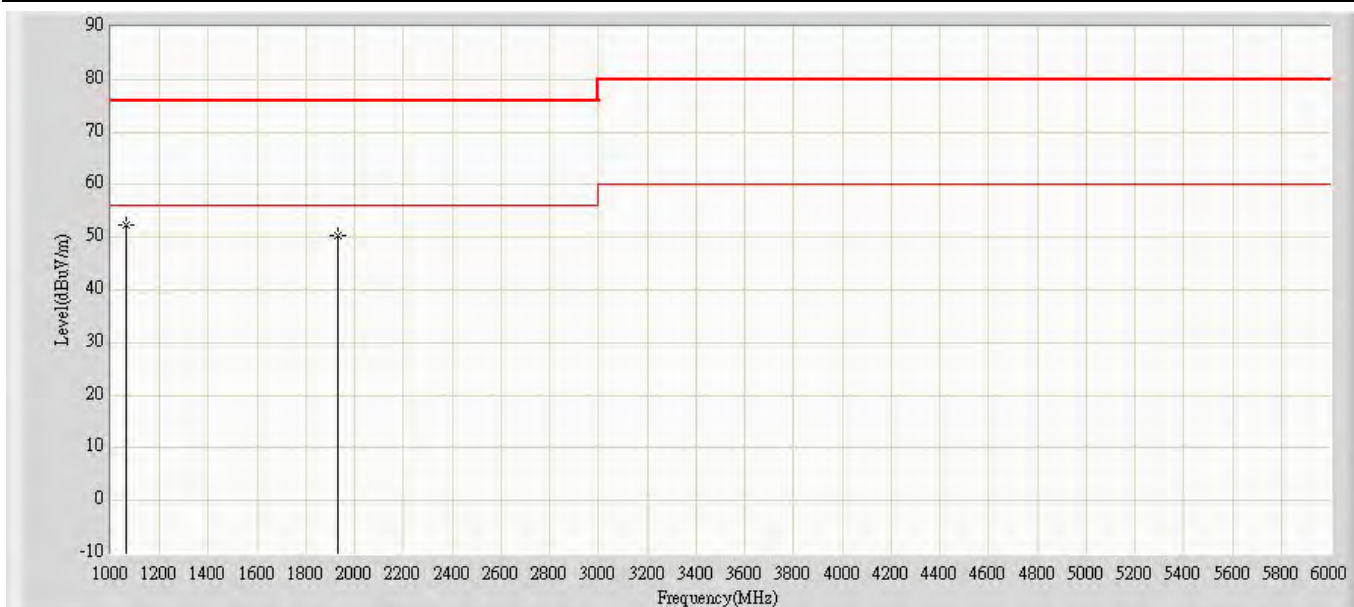


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	54.421	60.170	-21.579	76.000	-5.749	PK
2		1930.000	50.227	54.230	-25.773	76.000	-4.003	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/03/29 - 06:51
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT : DLP Projector	Power: AC 230V/50Hz
Note: Mode 10	

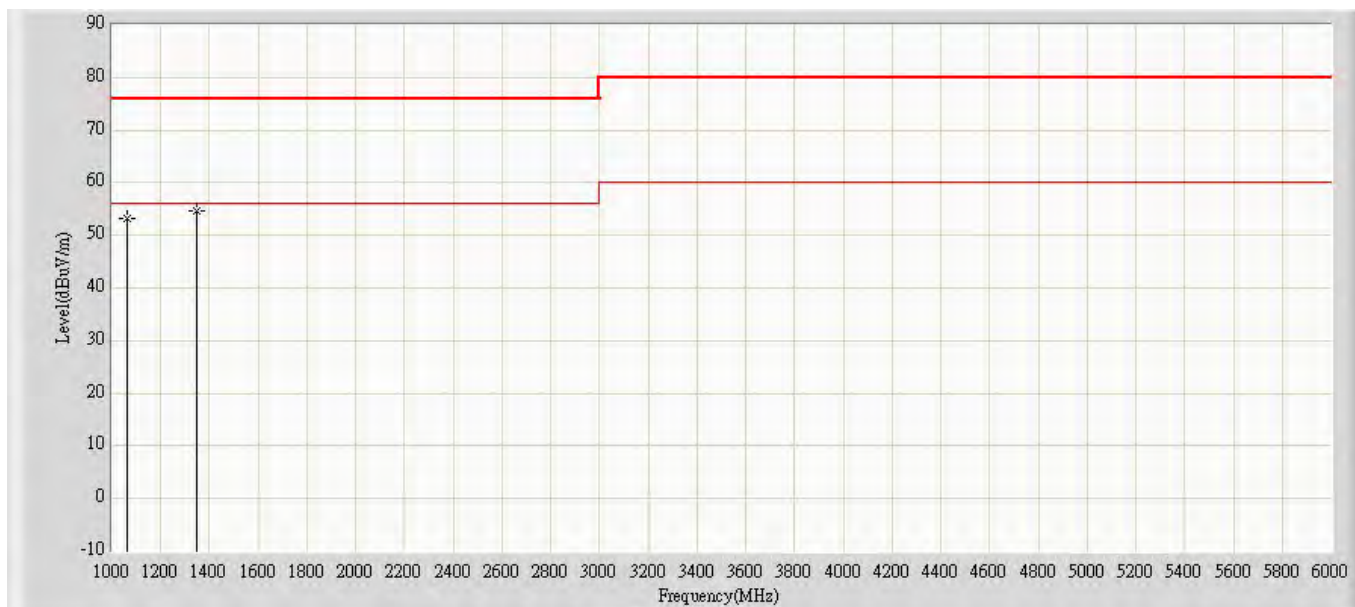


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	1060.000	52.491	58.240	-23.509	76.000	-5.749	PK
2		1930.000	50.277	54.280	-25.723	76.000	-4.003	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/04/11 - 17:03
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Horizontal
EUT: DLP Projector	Power: AC 230V/50Hz
Note: Mode 11	

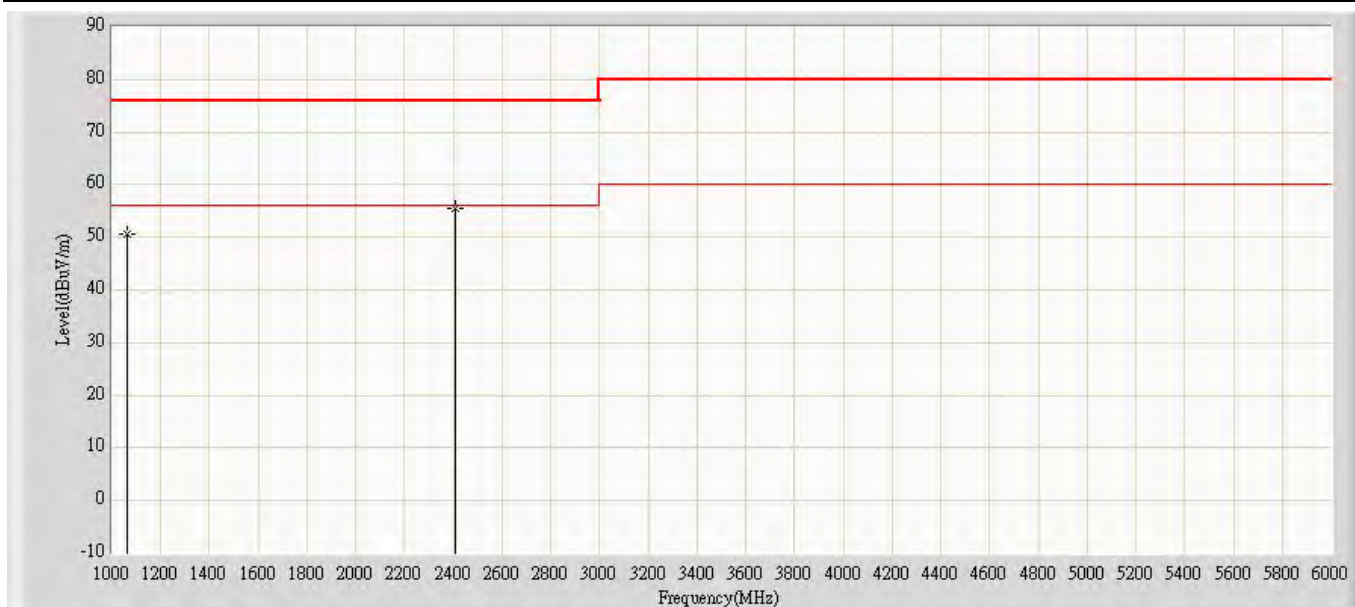


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		1065.000	53.303	59.040	-22.697	76.000	-5.737	PK
2	*	1350.000	54.694	59.680	-21.306	76.000	-4.986	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2013/04/11 - 17:34
Limit: EN55022_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1211	Polarity: Vertical
EUT: DLP Projector	Power: AC 230V/50Hz
Note: Mode 11	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		1065.000	50.683	56.420	-25.317	76.000	-5.737	PK
2	*	2410.000	55.406	57.830	-20.594	76.000	-2.424	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

5.7. Test Photograph

Test Mode : Mode 1: D-SUB1 (1920*1200/60Hz)

Description : Front View of Radiated Test



Test Mode : Mode 1: D-SUB1 (1920*1200/60Hz)

Description : Back View of Radiated Test



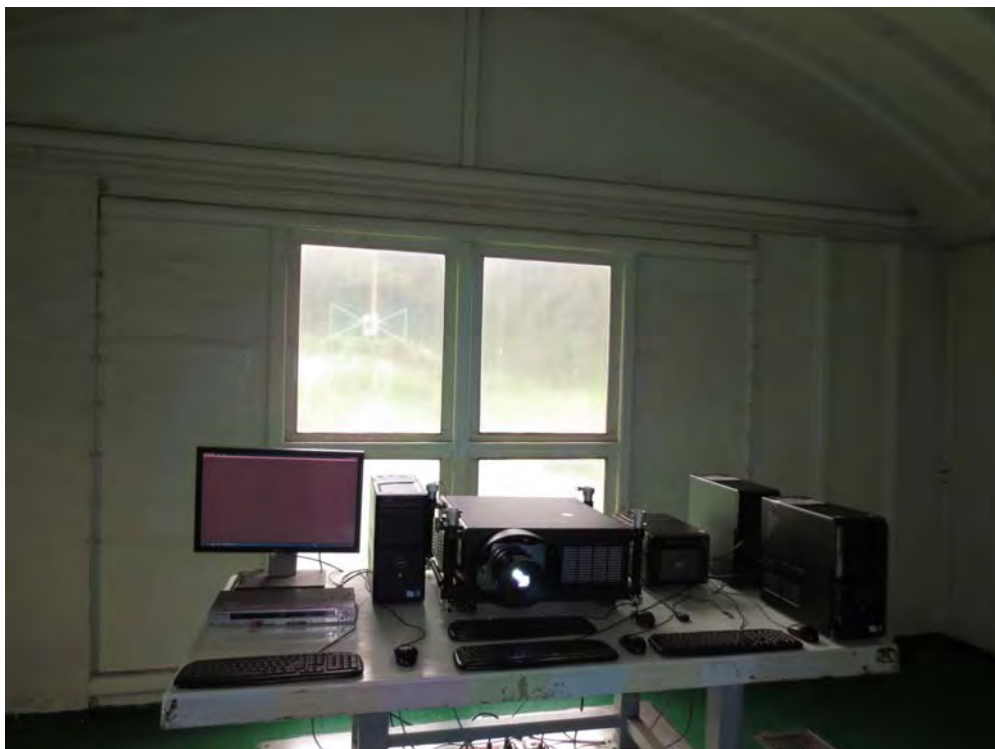
Test Mode : Mode 1: D-SUB1 (1920*1200/60Hz)

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 2: D-SUB1 (1600*1200/60Hz)

Description : Front View of Radiated Test



Test Mode : Mode 2: D-SUB1 (1600*1200/60Hz)

Description : Back View of Radiated Test



Test Mode : Mode 2: D-SUB1 (1600*1200/60Hz)

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Front View of Radiated Test



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Back View of Radiated Test



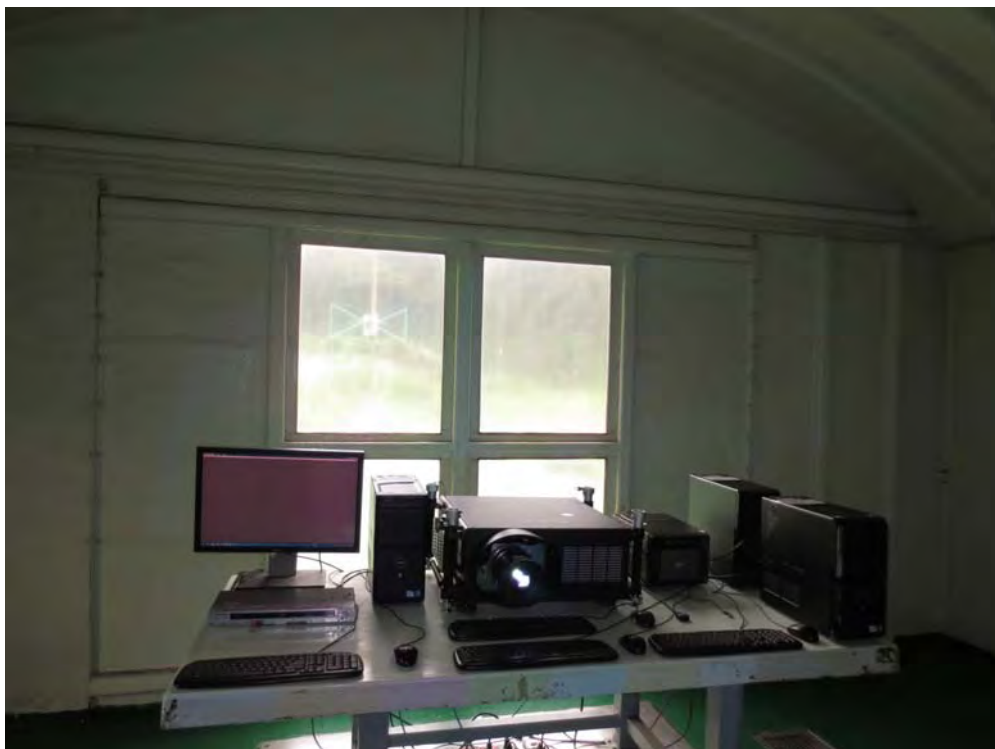
Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 4: D-SUB3 (1920*1200/60Hz)

Description : Front View of Radiated Test



Test Mode : Mode 4: D-SUB3 (1920*1200/60Hz)

Description : Back View of Radiated Test



Test Mode : Mode 4: D-SUB3 (1920*1200/60Hz)

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 5: HDMI 1080P (1920*1080/60Hz)

Description : Front View of Radiated Test



Test Mode : Mode 5: HDMI 1080P (1920*1080/60Hz)

Description : Back View of Radiated Test



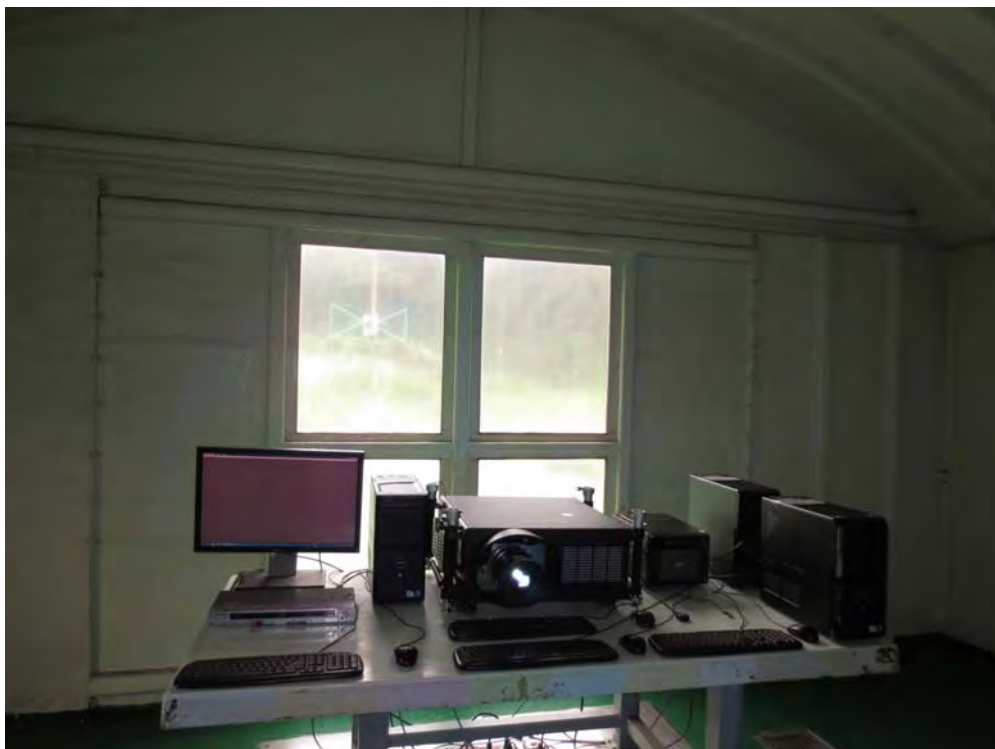
Test Mode : Mode 5: HDMI 1080P (1920*1080/60Hz)

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 6: Display Port 1080P (1920*1080/60Hz)

Description : Front View of Radiated Test



Test Mode : Mode 6: Display Port 1080P (1920*1080/60Hz)

Description : Back View of Radiated Test



Test Mode : Mode 6: Display Port 1080P (1920*1080/60Hz)

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 7: USB play video (720P) with inner USB

Description : Front View of Radiated Test



Test Mode : Mode 7: USB play video (720P) with inner USB

Description : Back View of Radiated Test



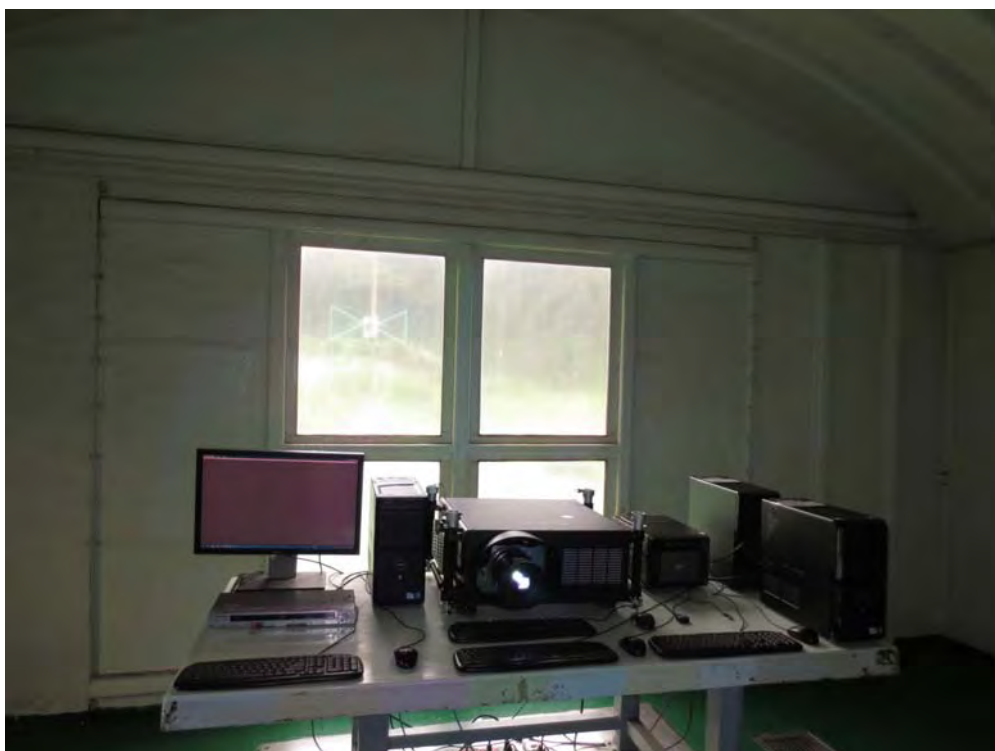
Test Mode : Mode 7: USB play video (720P) with inner USB

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 8: Video Color bar

Description : Front View of Radiated Test



Test Mode : Mode 8: Video Color bar

Description : Back View of Radiated Test



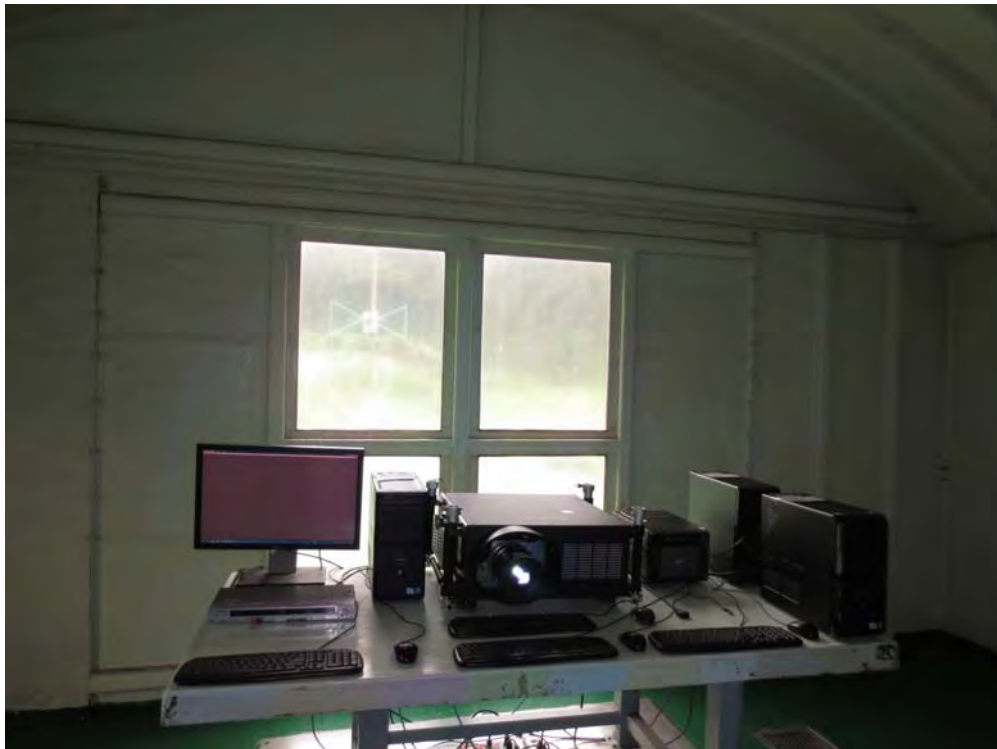
Test Mode : Mode 8: Video Color bar

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 9: S-Video Color bar

Description : Front View of Radiated Test



Test Mode : Mode 9: S-Video Color bar

Description : Back View of Radiated Test



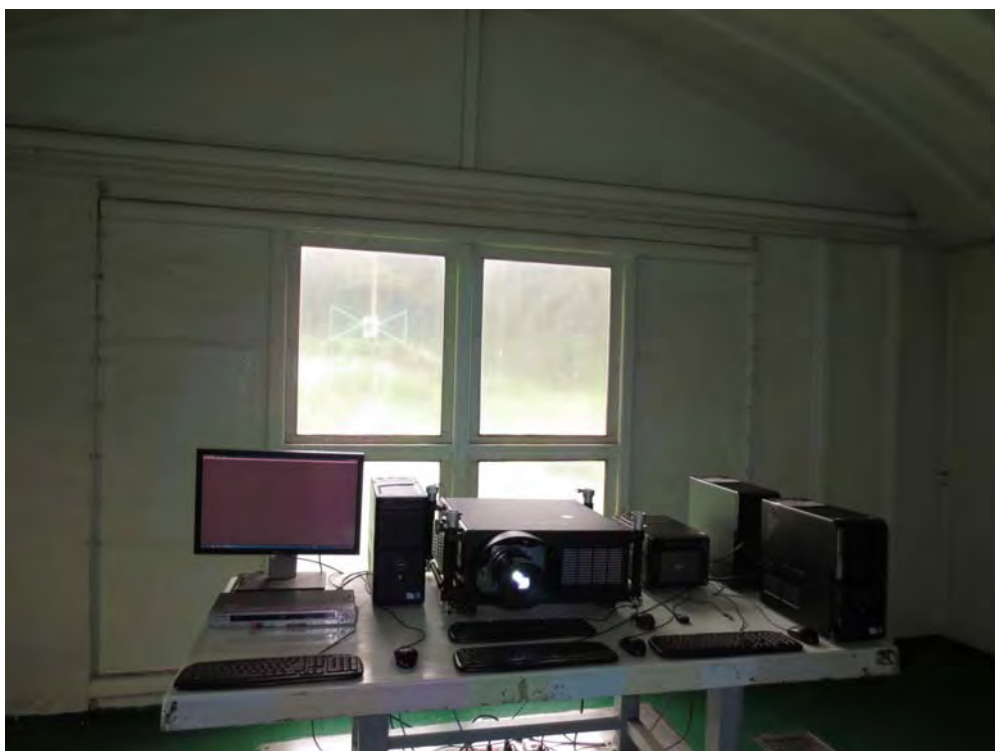
Test Mode : Mode 9: S-Video Color bar

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 10: 3D DVI

Description : Front View of Radiated Test



Test Mode : Mode 10: 3D DVI

Description : Back View of Radiated Test



Test Mode : Mode 10: 3D DVI

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 11: SDI

Description : Front View of Radiated Test



Test Mode : Mode 11: SDI

Description : Back View of Radiated Test



Test Mode : Mode 11: SDI

Description : Front View of High Frequency Radiated Test

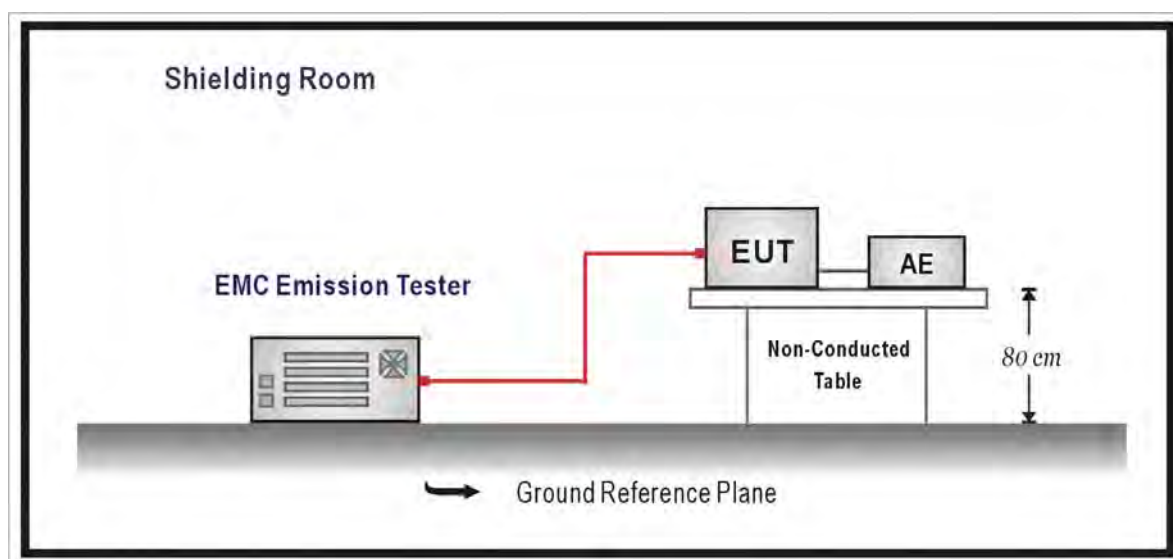


6. Harmonic Current Emission

6.1. Test Specification

According to EMC Standard : EN 61000-3-2

6.2. Test Setup



6.3. Limit

(a) Limits of Class A Harmonics Currents

Harmonics Order n	Maximum Permissible harmonic current A	Harmonics Order n	Maximum Permissible harmonic current A
Odd harmonics		Even harmonics	
3	2.30	2	1.08
5	1.14	4	0.43
7	0.77	6	0.30
9	0.40	$8 \leq n \leq 40$	$0.23 * 8/n$
11	0.33		
13	0.21		
$15 \leq n \leq 39$	$0.15 * 15/n$		

(b) Limits of Class B Harmonics Currents

For Class B equipment, the harmonic of the input current shall not exceed the maximum permissible values given in table that is the limit of Class A multiplied by a factor of 1.5.

(c) Limits of Class C Harmonics Currents

Harmonics Order n	Maximum Permissible harmonic current Expressed as a percentage of the input current at the fundamental frequency %
2	2
3	$30 \cdot \lambda^*$
5	10
7	7
9	5
$11 \leq n \leq 39$ (odd harmonics only)	3
* λ is the circuit power factor	

(d) Limits of Class D Harmonics Currents

Harmonics Order n	Maximum Permissible harmonic current per watt mA/W	Maximum Permissible harmonic current A
3	3.4	2.30
5	1.9	1.14
7	1.0	0.77
9	0.5	0.40
11	0.35	0.33
$11 \leq n \leq 39$ (odd harmonics only)	$3.85/n$	See limit of Class A

6.4. Test Procedure

The EUT is supplied in series with power analyzer from a power source having the same normal voltage and frequency as the rated supply voltage and the equipment under test. And the rated voltage at the supply voltage of EUT of 0.94 times and 1.06 times shall be performed.

6.5. Deviation from Test Standard

No deviation.

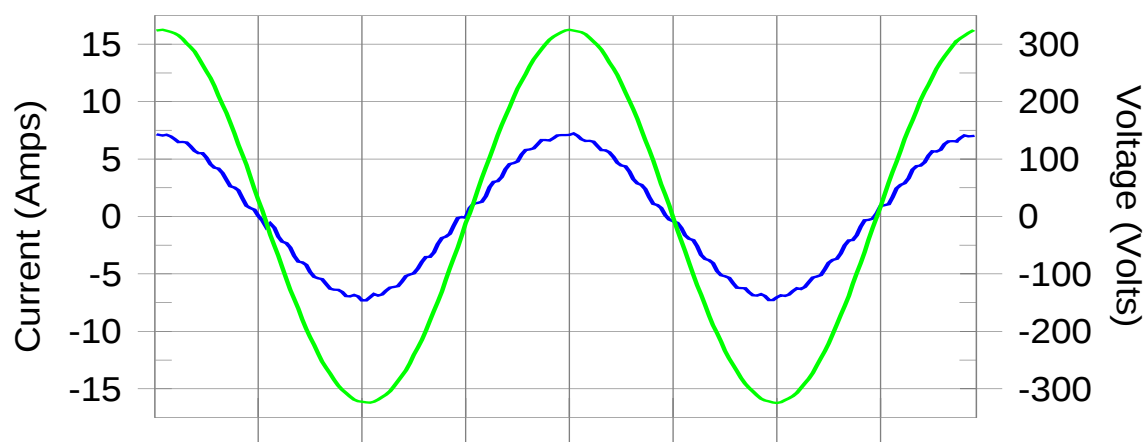
6.6. Test Result

Product	DLP Projector		
Test Item	Power Harmonics		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/29	Test Site	No.3 Shielded Room

Test Result: Pass

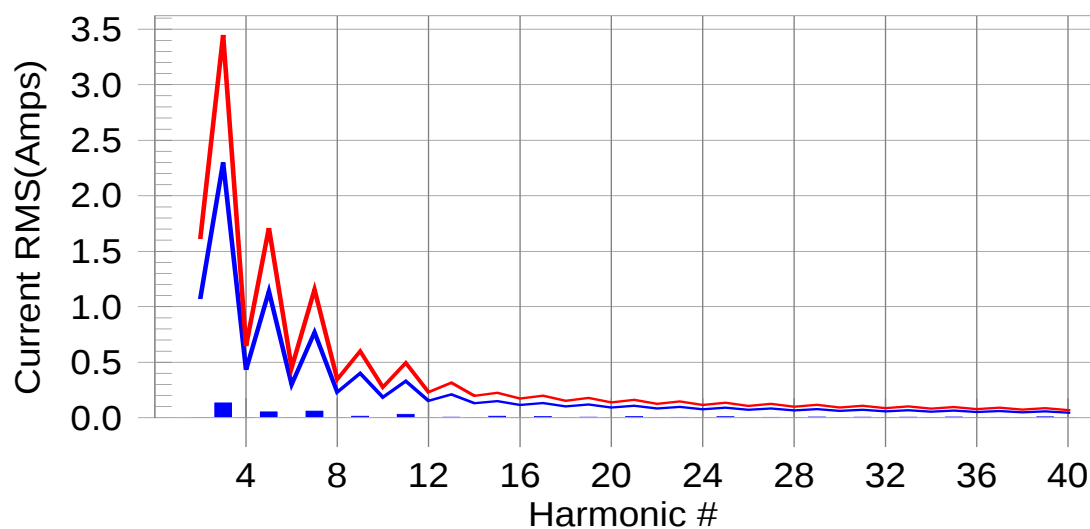
Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line

European Limits



Test result: Pass Worst harmonic was #39 with 12.28% of the limit.

Test Result: Pass Source qualification: Normal
 THC(A): 0.16 I-THD(%): 3.33 POHC(A): 0.022 POHC Limit(A): 0.251
 Highest parameter values during test:
 V_RMS (Volts): 229.49 Frequency(Hz): 50.00
 I_Peak (Amps): 7.357 I_RMS (Amps): 4.896
 I_Fund (Amps): 4.885 Crest Factor: 1.508
 Power (Watts): 1120.0 Power Factor: 0.997

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.000	1.080	0.0	0.001	1.620	0.03	Pass
3	0.133	2.300	5.8	0.134	3.450	3.89	Pass
4	0.002	0.430	0.6	0.003	0.645	0.40	Pass
5	0.052	1.140	4.6	0.052	1.710	3.07	Pass
6	0.001	0.300	0.2	0.001	0.450	0.19	Pass
7	0.059	0.770	7.7	0.060	1.155	5.17	Pass
8	0.001	0.230	0.4	0.001	0.345	0.31	Pass
9	0.014	0.400	3.4	0.014	0.600	2.29	Pass
10	0.001	0.184	0.3	0.001	0.276	0.24	Pass
11	0.031	0.330	9.5	0.032	0.495	6.42	Pass
12	0.001	0.153	0.6	0.001	0.230	0.46	Pass
13	0.006	0.210	2.8	0.006	0.315	1.94	Pass
14	0.000	0.131	0.2	0.000	0.197	0.22	Pass
15	0.014	0.150	9.1	0.014	0.225	6.15	Pass
16	0.001	0.115	0.4	0.001	0.173	0.38	Pass
17	0.010	0.132	7.7	0.010	0.199	5.23	Pass
18	0.001	0.102	0.6	0.001	0.153	0.50	Pass
19	0.006	0.118	4.7	0.006	0.178	3.24	Pass
20	0.000	0.092	0.3	0.000	0.138	0.31	Pass
21	0.011	0.107	10.2	0.011	0.161	6.94	Pass
22	0.000	0.084	0.5	0.000	0.125	0.38	Pass
23	0.004	0.098	3.9	0.004	0.147	2.70	Pass
24	0.000	0.077	0.5	0.000	0.115	0.39	Pass
25	0.009	0.090	10.0	0.010	0.135	7.06	Pass
26	0.000	0.071	0.6	0.001	0.106	0.51	Pass
27	0.004	0.083	5.2	0.005	0.125	3.77	Pass
28	0.000	0.066	0.7	0.001	0.099	0.61	Pass
29	0.007	0.078	8.7	0.007	0.116	6.20	Pass
30	0.001	0.061	1.2	0.001	0.092	0.97	Pass
31	0.006	0.073	8.0	0.006	0.109	5.53	Pass
32	0.000	0.058	0.8	0.001	0.086	0.68	Pass
33	0.006	0.068	8.7	0.006	0.102	6.08	Pass
34	0.000	0.054	0.9	0.001	0.081	0.71	Pass
35	0.007	0.064	10.9	0.007	0.096	7.52	Pass
36	0.000	0.051	0.7	0.000	0.077	0.59	Pass
37	0.005	0.061	8.0	0.005	0.091	5.55	Pass
38	0.000	0.048	0.9	0.001	0.073	0.78	Pass
39	0.007	0.058	12.3	0.007	0.087	8.40	Pass
40	0.000	0.046	1.0	0.001	0.069	1.03	Pass

1.Dynamic limits were applied for this test. The highest harmonics values in the above table may not occur at the same window as the maximum harmonics/limit ratio.

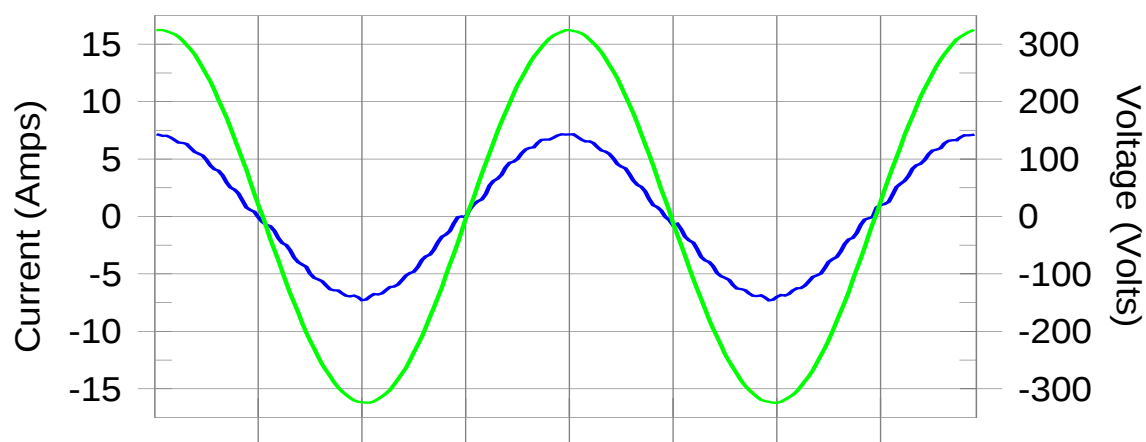
2:According to EN61000-3-2 paragraph 7 the note 1 and 2 are valid for all applications having an active input power >75W. Others the result should be pass.

Product	DLP Projector		
Test Item	Power Harmonics		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/23	Test Site	No.3 Shielded Room

Test Result: Pass

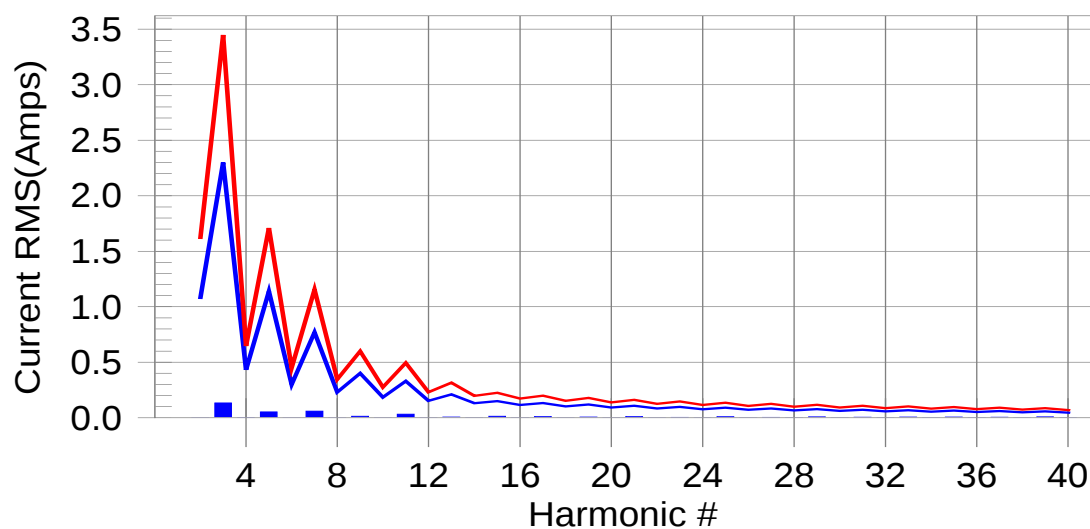
Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line

European Limits



Test result: Pass Worst harmonic was #39 with 12.27% of the limit.

Test Result: Pass Source qualification: Normal
 THC(A): 0.16 I-THD(%): 3.33 POHC(A): 0.022 POHC Limit(A): 0.251
 Highest parameter values during test:
 V_RMS (Volts): 229.52 Frequency(Hz): 50.00
 I_Peak (Amps): 7.354 I_RMS (Amps): 4.905
 I_Fund (Amps): 4.894 Crest Factor: 1.504
 Power (Watts): 1122.5 Power Factor: 0.997

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.000	1.080	0.0	0.001	1.620	0.04	Pass
3	0.133	2.300	5.8	0.135	3.450	3.90	Pass
4	0.002	0.430	0.5	0.003	0.645	0.42	Pass
5	0.052	1.140	4.6	0.053	1.710	3.07	Pass
6	0.001	0.300	0.2	0.001	0.450	0.17	Pass
7	0.059	0.770	7.7	0.060	1.155	5.18	Pass
8	0.001	0.230	0.4	0.001	0.345	0.34	Pass
9	0.014	0.400	3.4	0.014	0.600	2.35	Pass
10	0.001	0.184	0.3	0.001	0.276	0.29	Pass
11	0.032	0.330	9.6	0.032	0.495	6.53	Pass
12	0.001	0.153	0.6	0.001	0.230	0.48	Pass
13	0.006	0.210	2.9	0.006	0.315	2.05	Pass
14	0.000	0.131	0.2	0.000	0.197	0.21	Pass
15	0.014	0.150	9.3	0.014	0.225	6.42	Pass
16	0.001	0.115	0.4	0.001	0.173	0.37	Pass
17	0.010	0.132	7.8	0.011	0.199	5.36	Pass
18	0.001	0.102	0.6	0.001	0.153	0.58	Pass
19	0.006	0.118	5.0	0.006	0.178	3.63	Pass
20	0.000	0.092	0.4	0.001	0.138	0.42	Pass
21	0.011	0.107	10.3	0.011	0.161	7.07	Pass
22	0.000	0.084	0.4	0.001	0.125	0.50	Pass
23	0.004	0.098	3.9	0.004	0.147	2.78	Pass
24	0.000	0.077	0.5	0.001	0.115	0.46	Pass
25	0.009	0.090	10.2	0.010	0.135	7.06	Pass
26	0.000	0.071	0.6	0.001	0.106	0.52	Pass
27	0.004	0.083	4.9	0.004	0.125	3.55	Pass
28	0.000	0.066	0.7	0.001	0.099	0.60	Pass
29	0.007	0.078	8.9	0.007	0.116	6.27	Pass
30	0.001	0.061	1.0	0.001	0.092	0.89	Pass
31	0.006	0.073	7.7	0.006	0.109	5.38	Pass
32	0.000	0.058	0.7	0.001	0.086	0.66	Pass
33	0.006	0.068	9.0	0.006	0.102	6.24	Pass
34	0.000	0.054	0.8	0.001	0.081	0.70	Pass
35	0.007	0.064	10.7	0.007	0.096	7.41	Pass
36	0.000	0.051	0.5	0.000	0.077	0.51	Pass
37	0.005	0.061	8.2	0.005	0.091	5.73	Pass
38	0.000	0.048	0.8	0.001	0.073	0.69	Pass
39	0.007	0.058	12.3	0.007	0.087	8.39	Pass
40	0.000	0.046	0.9	0.001	0.069	0.94	Pass

1.Dynamic limits were applied for this test. The highest harmonics values in the above table may not occur at the same window as the maximum harmonics/limit ratio.

2:According to EN61000-3-2 paragraph 7 the note 1 and 2 are valid for all applications having an active input power >75W. Others the result should be pass.

6.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Power Harmonics Test Setup



Test Mode : Mode 11: SDI

Description : Power Harmonics Test Setup

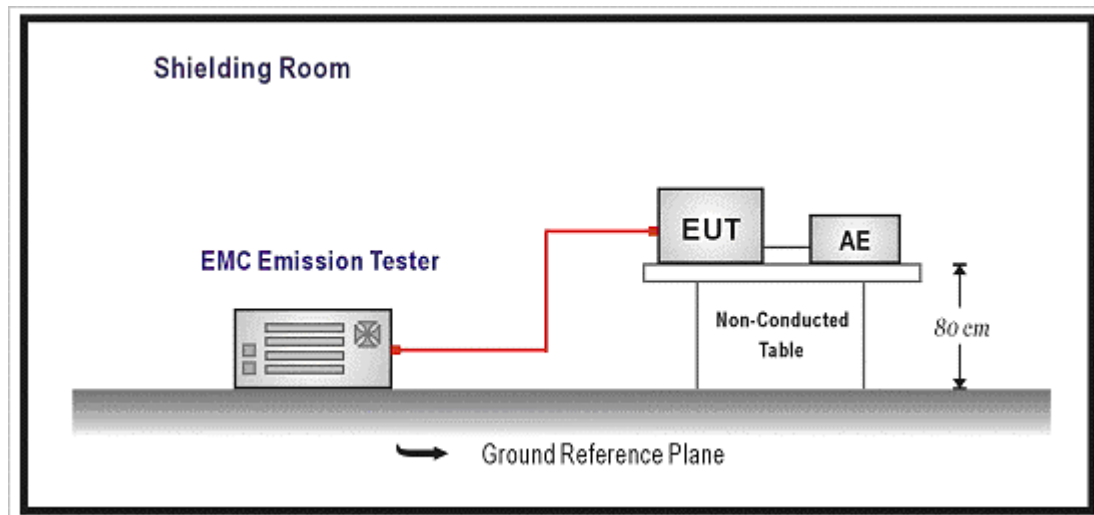


7. Voltage Fluctuation and Flicker

7.1. Test Specification

According to EMC Standard : EN 61000-3-3

7.2. Test Setup



7.3. Limit

The following limits apply:

- the value of P_{st} shall not be greater than 1.0;
 - the value of P_{1t} shall not be greater than 0.65;
 - the value of $d(t)$ during a voltage change shall not exceed 3.3 % for more than 500 ms;
 - the relative steady-state voltage change, d_c , shall not exceed 3.3 %;
 - the maximum relative voltage change, d_{max} , shall not exceed;
- a) 4 % without additional conditions;
 - b) 6 % for equipment which is:
 - switched manually, or
 - switched automatically more frequently than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds), or manual restart, after a power supply interruption.

NOTE The cycling frequency will be further limited by the P_{st} and P_{1t} limit.

For example: a d_{max} of 6% producing a rectangular voltage change characteristic twice per hour will give a P_{1t} of about 0.65.

- c) 7 % for equipment which is:
 - attended whilst in use (for example: hair dryers, vacuum cleaners, kitchen equipment such as mixers, garden equipment such as lawn mowers, portable tools such as electric drills), or
 - switched on automatically, or is intended to be switched on manually, no more than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds) or manual restart, after a power supply interruption.

P_{st} and P_{1t} requirements shall not be applied to voltage changes caused by manual switching.

7.4. Test Procedure

The EUT is supplied in series with power analyzer from a power source having the same normal voltage and frequency as the rated supply voltage and the equipment under test. And the rated voltage at the supply voltage of EUT of 0.94 times and 1.06 times shall be performed.

7.5. Deviation from Test Standard

No deviation.

7.6. Test Result

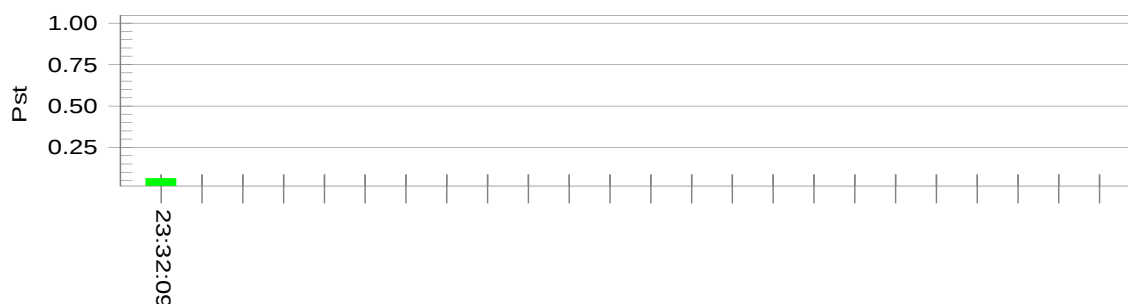
Product	DLP Projector		
Test Item	Voltage Fluctuation and Flicker		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/29	Test Site	No.3 Shielded Room

Test Result: Pass

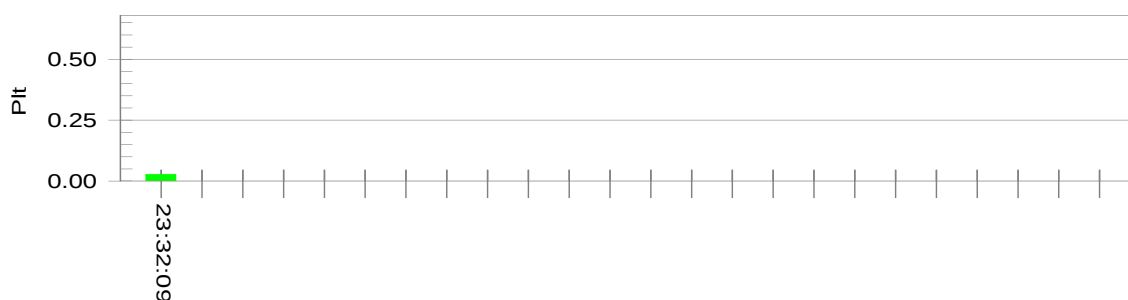
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line



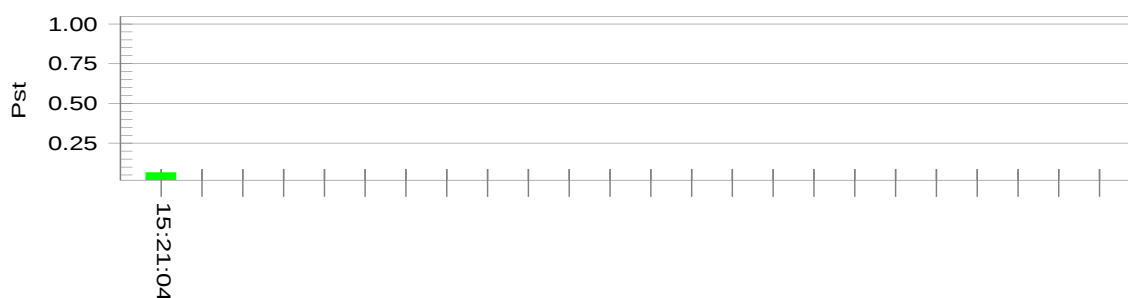
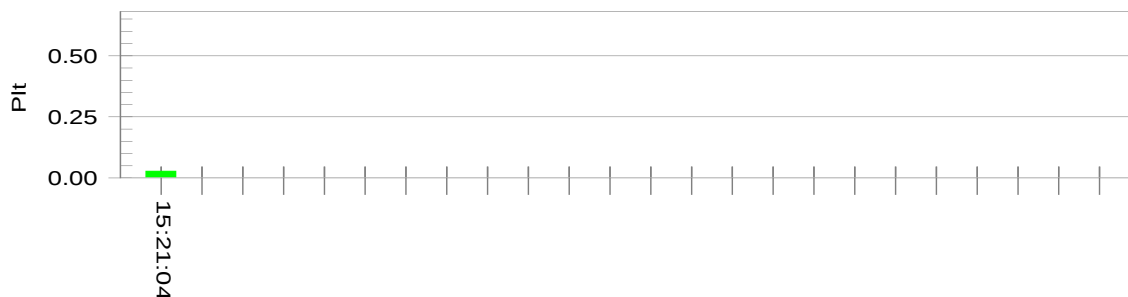
Parameter values recorded during the test:

Vrms at the end of test (Volt):	227.58			
Highest dt (%):	0.00	Test limit (%):	3.30	Pass
Time(mS) > dt:	0.0	Test limit (mS):	500.0	Pass
Highest dc (%):	0.00	Test limit (%):	3.30	Pass
Highest dmax (%):	0.00	Test limit (%):	4.00	Pass
Highest Pst (10 min. period):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

Product	DLP Projector		
Test Item	Voltage Fluctuation and Flicker		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/23	Test Site	No.3 Shielded Room

Test Result: Pass

Status: Test Completed

Pst_i and limit line
European Limits

Plt and limit line


Parameter values recorded during the test:

Vrms at the end of test (Volt):	227.53		
Highest dt (%):	0.00	Test limit (%):	3.30 Pass
Time(mS) > dt:	0.0	Test limit (mS):	500.0 Pass
Highest dc (%):	0.00	Test limit (%):	3.30 Pass
Highest dmax (%):	0.00	Test limit (%):	4.00 Pass
Highest Pst (10 min. period):	0.064	Test limit:	1.000 Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650 Pass

7.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Flicker Test Setup



Test Mode : Mode 11: SDI

Description : Flicker Test Setup

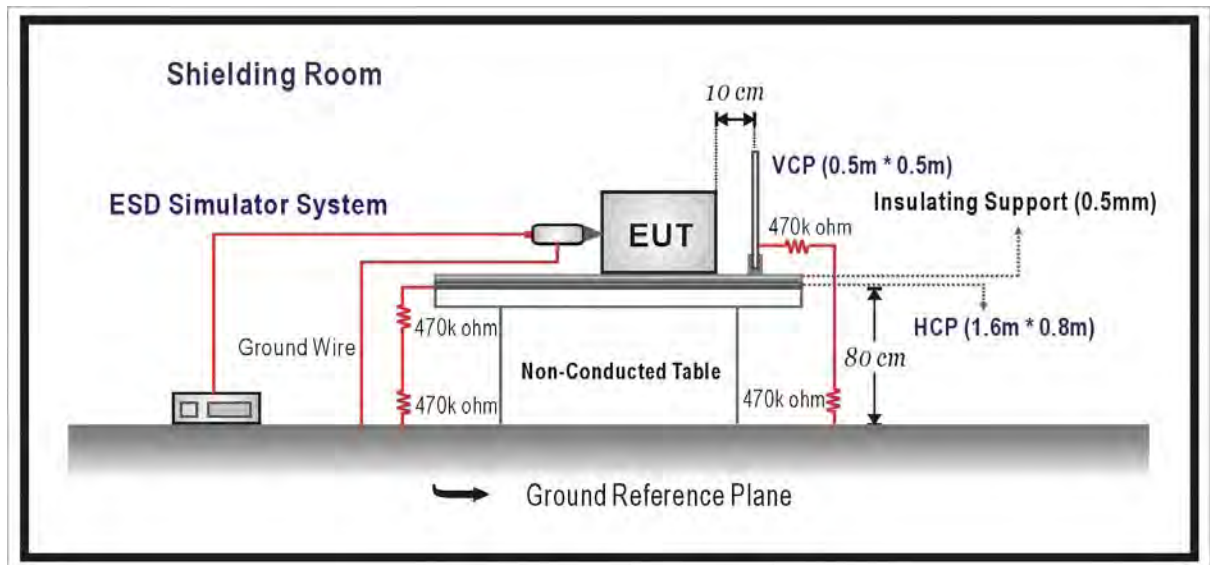


8. Electrostatic Discharge

8.1. Test Specification

According to Standard : IEC 61000-4-2

8.2. Test Setup



8.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Enclosure Port				
	Electrostatic Discharge	kV(Charge Voltage)	±8 Air Discharge ±4 Contact Discharge	B

8.4. Test Procedure

Direct application of discharges to the EUT:

Contact discharge was applied only to conductive surfaces of the EUT.

Air discharges were applied only to non-conductive surfaces of the EUT.

During the test, it was performed with single discharges. For the single discharge time between successive single discharges will be keep longer 1 second. It was at least ten single discharges with positive and negative at the same selected point.

The selected point, which was performed with electrostatic discharge, was marked on the red label of the EUT.

Indirect application of discharges to the EUT:

Vertical Coupling Plane (VCP):

The coupling plane, of dimensions 0.5m x 0.5m, is placed parallel to, and positioned at a distance 0.1m from, the EUT, with the Discharge Electrode touching the coupling plane.

The four faces of the EUT will be performed with electrostatic discharge. It was at least ten single discharges with positive and negative at the same selected point.

Horizontal Coupling Plane (HCP):

The coupling plane is placed under to the EUT. The generator shall be positioned vertically at a distance of 0.1m from the EUT, with the Discharge Electrode touching the coupling plane.

The four faces of the EUT will be performed with electrostatic discharge. It was at least ten single discharges with positive and negative at the same selected point.

8.5. Deviation from Test Standard

No deviation.

8.6. Test Result

Product	DLP Projector		
Test Item	Electrostatic Discharge		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/30	Test Site	No.6 Shielded Room

Item	Amount of Discharge	Voltage	Required Criteria	Complied To Criteria (A,B,C)	Results
Air Discharge	10	+8kV	B	A	Pass
	10	-8kV	B	A	Pass
Contact Discharge	25	+4kV	B	A	Pass
	25	-4kV	B	A	Pass
Indirect Discharge (HCP)	25	+4kV	B	A	Pass
	25	-4kV	B	A	Pass
Indirect Discharge (VCP)	25	+4kV	B	A	Pass
	25	-4kV	B	A	Pass

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

NR: No Requirement

- ☒ Meet criteria A: Operate as intended during and after the test
- ☐ Meet criteria B: Operate as intended after the test
- ☐ Meet criteria C: Loss/Error of function
- ☐ Additional Information
 - ☐ EUT stopped operation and could / could not be reset by operator at ____ kV.
 - ☒ No false alarms or other malfunctions were observed during or after the test.

Remark:

The Contact discharges were applied at least total 200 discharges at a minimum of four test points.

Product	DLP Projector		
Test Item	Electrostatic Discharge		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/25	Test Site	No.6 Shielded Room

Item	Amount of Discharge	Voltage	Required Criteria	Complied To Criteria (A,B,C)	Results
Air Discharge	10	+8kV	B	B	Pass
	10	-8kV	B	B	Pass
Contact Discharge	25	+4kV	B	A	Pass
	25	-4kV	B	A	Pass
Indirect Discharge (HCP)	25	+4kV	B	A	Pass
	25	-4kV	B	A	Pass
Indirect Discharge (VCP)	25	+4kV	B	A	Pass
	25	-4kV	B	A	Pass

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

NR: No Requirement

- ☒ Meet criteria A: Operate as intended during and after the test
- ☒ Meet criteria B: Operate as intended after the test
- ☐ Meet criteria C: Loss/Error of function
- ☐ Additional Information
 - ☐ EUT stopped operation and could / could not be reset by operator at ____ kV.
 - ☒ No false alarms or other malfunctions were observed during or after the test.

Remark:

The Contact discharges were applied at least total 200 discharges at a minimum of four test points.

8.7. Test Photograph

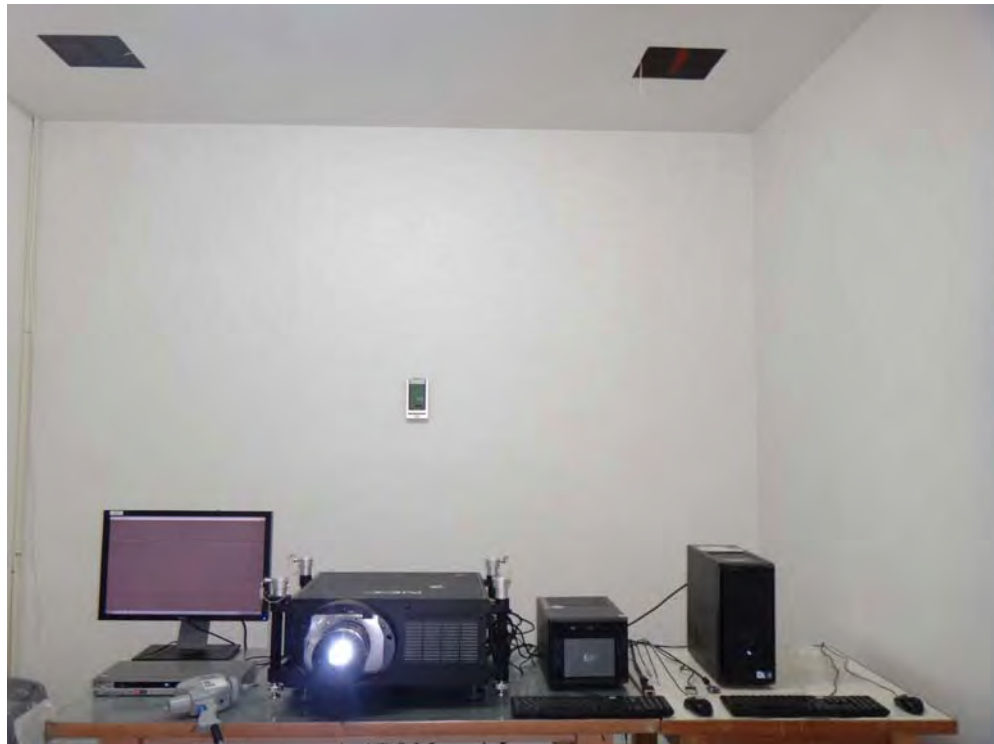
Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : ESD Test Setup



Test Mode : Mode 11: SDI

Description : ESD Test Setup

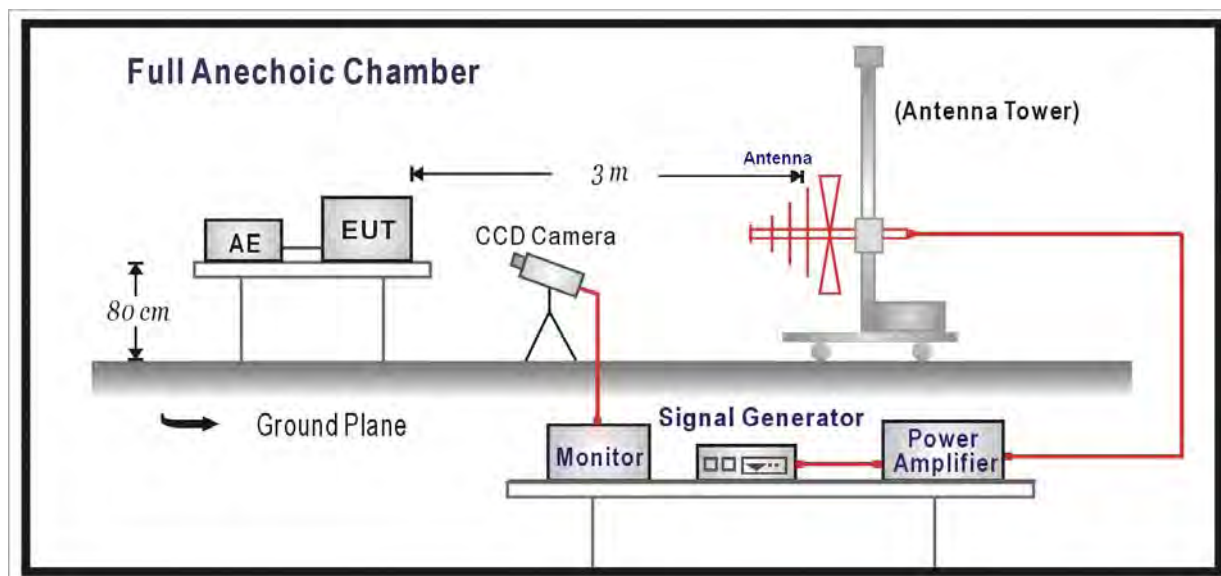


9. Radiated Susceptibility

9.1. Test Specification

According to Standard : IEC 61000-4-3

9.2. Test Setup



9.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Enclosure Port				
	Radio-Frequency	MHz	80-1000	A
	Electromagnetic Field	V/m(Un-modulated, rms)	3	
	Amplitude Modulated	% AM (1kHz)	80	

9.4. Test Procedure

The EUT and load, which are placed on a table that is 0.8 meter above ground, are placed with one coincident with the calibration plane such that the distance from antenna to the EUT was 3 meters.

Both horizontal and vertical polarization of the antenna and four sides of the EUT are set on measurement.

In order to judge the EUT performance, a CCD camera is used to monitor EUT screen.

All the scanning conditions are as follows:

Condition of Test	Remarks
1. Field Strength	3 V/m Level 2
2. Radiated Signal	AM 80% Modulated with 1kHz
3. Scanning Frequency	80MHz - 1000MHz
4. Dwell Time	3 Seconds
5. Frequency step size Δf :	1%
6. The rate of Swept of Frequency	1.5×10^{-3} decades/s

9.5. Deviation from Test Standard

No deviation.

9.6. Test Result

Product	DLP Projector		
Test Item	Radiated susceptibility		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/30	Test Site	Chamber5

Frequency (MHz)	Position (Angle)	Polarity (H or V)	Field Strength (V/m)	Required Criteria	Complied To Criteria (A,B,C)	Results
80-1000	0°	H	3	A	A	PASS
80-1000	0°	V	3	A	A	PASS
80-1000	90°	H	3	A	A	PASS
80-1000	90°	V	3	A	A	PASS
80-1000	180°	H	3	A	A	PASS
80-1000	180°	V	3	A	A	PASS
80-1000	270°	H	3	A	A	PASS
80-1000	270°	V	3	A	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

- ☒ Meet criteria A: Operate as intended during and after the test
- ☐ Meet criteria B: Operate as intended after the test
- ☐ Meet criteria C: Loss/Error of function
- ☐ Additional Information
 - ☐ There was no observable degradation in performance.
 - ☐ EUT stopped operation and could / could not be reset by operator at _____ V/m at frequency _____MHz.
- ☒ No false alarms or other malfunctions were observed during or after the test.

Product	DLP Projector		
Test Item	Radiated susceptibility		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/24	Test Site	Chamber5

Frequency (MHz)	Position (Angle)	Polarity (H or V)	Field Strength (V/m)	Required Criteria	Complied To Criteria (A,B,C)	Results
80-1000	0°	H	3	A	A	PASS
80-1000	0°	V	3	A	A	PASS
80-1000	90°	H	3	A	A	PASS
80-1000	90°	V	3	A	A	PASS
80-1000	180°	H	3	A	A	PASS
80-1000	180°	V	3	A	A	PASS
80-1000	270°	H	3	A	A	PASS
80-1000	270°	V	3	A	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

- ☒ Meet criteria A: Operate as intended during and after the test
- ☐ Meet criteria B: Operate as intended after the test
- ☐ Meet criteria C: Loss/Error of function
- ☐ Additional Information
 - ☐ There was no observable degradation in performance.
 - ☐ EUT stopped operation and could / could not be reset by operator at _____ V/m at frequency _____ MHz.
- ☒ No false alarms or other malfunctions were observed during or after the test.

9.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Radiated Susceptibility Test Setup



Test Mode : Mode 11: SDI

Description : Radiated Susceptibility Test Setup

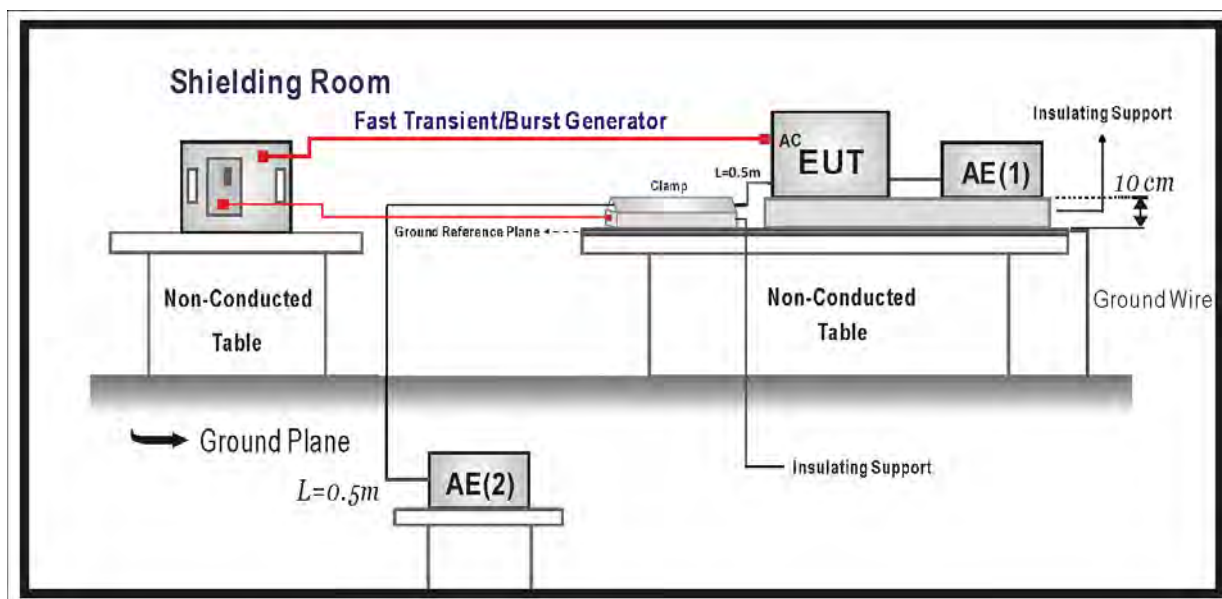


10. Electrical Fast Transient/Burst

10.1. Test Specification

According to Standard : IEC 61000-4-4

10.2. Test Setup



10.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
I/O and communication ports				
Fast Transients Common Mode		kV (Peak) Tr/Th ns Rep. Frequency kHz	± 0.5 5/50 5	B
Input DC Power Ports				
Fast Transients Common Mode		kV (Peak) Tr/Th ns Rep. Frequency kHz	± 0.5 5/50 5	B
Input AC Power Ports				
Fast Transients Common Mode		kV (Peak) Tr/Th ns Rep. Frequency kHz	± 1 5/50 5	B

10.4. Test Procedure

The EUT is placed on a table that is 0.8 meter height. A ground reference plane is placed on the table, and uses a 0.1m insulation between the EUT and ground reference plane.

The minimum area of the ground reference plane is 1m*1m, and 0.65mm thick min, and projected beyond the EUT by at least 0.1m on all sides.

Test on I/O and communication ports:

The EFT interference signal is through a coupling clamp device couples to the signal and control lines of the EUT with burst noise for 1minute.

Test on power supply ports:

The EUT is connected to the power mains through a coupling device that directly couples the EFT/B interference signal.

Each of the Line and Neutral conductors is impressed with burst noise for 1 minute.

The length of the signal and power lines between the coupling device and the EUT is 0.5m.

10.5. Deviation from Test Standard

No deviation.

10.6. Test Result

Product	DLP Projector		
Test Item	Electrical fast transient/burst		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/30	Test Site	No.3 Shielded Room

Inject Line	Polarity	Voltage kV	Inject Time (Second)	Inject Method	Required Criteria	Complied to Criteria	Result
L	±	1kV	60	Direct	B	A	PASS
N	±	1kV	60	Direct	B	A	PASS
PE	±	1kV	60	Direct	B	A	PASS
L-N-PE	±	1kV	60	Direct	B	A	PASS
LAN	±	0.5kV	60	Clamp	B	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

- ☒ Meet criteria A : Operate as intended during and after the test
- ☐ Meet criteria B : Operate as intended after the test
- ☐ Meet criteria C : Loss/Error of function
- ☐ Additional Information
 - ☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.
- ☒ No false alarms or other malfunctions were observed during or after the test.

Product	DLP Projector		
Test Item	Electrical fast transient/burst		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/24	Test Site	No.3 Shielded Room

Inject Line	Polarity	Voltage kV	Inject Time (Second)	Inject Method	Required Criteria	Complied to Criteria	Result
L	±	1kV	60	Direct	B	A	PASS
N	±	1kV	60	Direct	B	A	PASS
PE	±	1kV	60	Direct	B	A	PASS
L-N-PE	±	1kV	60	Direct	B	A	PASS
LAN	±	0.5kV	60	Clamp	B	A	PASS
Coaxial	±	0.5kV	60	Clamp	B	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

- ☒ Meet criteria A : Operate as intended during and after the test
- ☐ Meet criteria B : Operate as intended after the test
- ☐ Meet criteria C : Loss/Error of function
- ☐ Additional Information
 - ☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.
- ☒ No false alarms or other malfunctions were observed during or after the test.

10.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : EFT/B Test Setup



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : EFT/B Test Setup-Clamp



Test Mode : Mode 11: SDI

Description : EFT/B Test Setup



Test Mode : Mode 11: SDI

Description : EFT/B Test Setup-Clamp

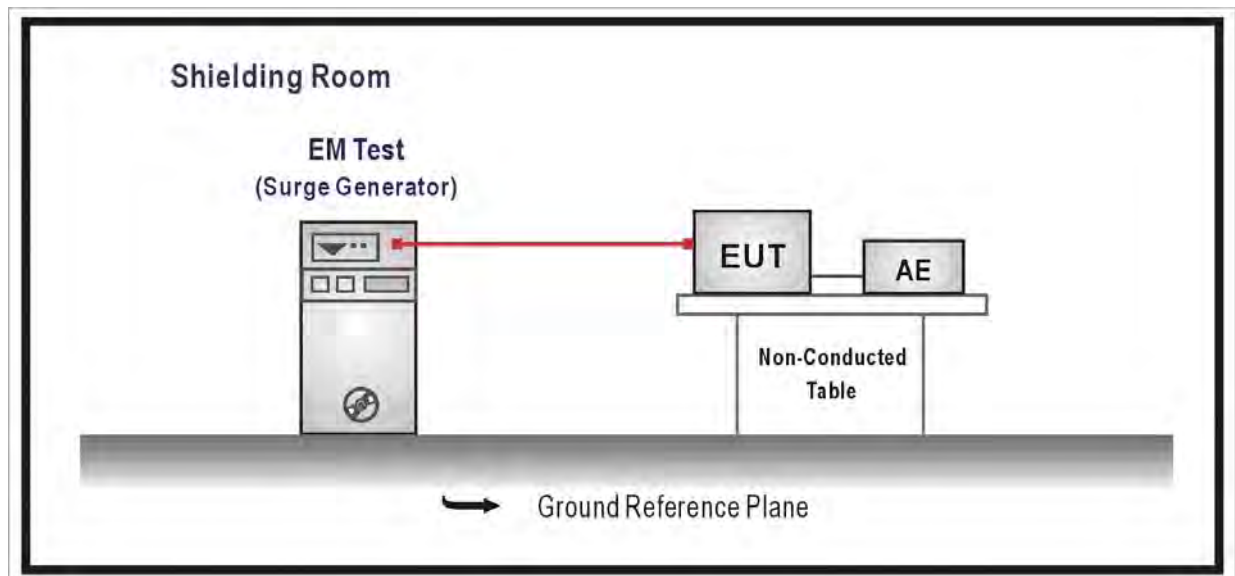


11. Surge

11.1. Test Specification

According to Standard : IEC 61000-4-5

11.2. Test Setup



11.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Signal Ports and Telecommunication Ports(See 1) and 2))				
Surges	Line to Ground	Tr/Th us kV	10/700 ± 1	C
Input DC Power Ports				
Surges	Line to Ground	Tr/Th us kV	1.2/50 (8/20) ± 0.5	B
AC Input and AC Output Power Ports				
Surges	Line to Line	Tr/Th us kV	1.2/50 (8/20) ± 1	B
	Line to Ground	kV	± 2	

Notes:

- 1) Applicable only to ports which according to the manufacturer's may directly to outdoor cables.
- 2) Where normal functioning cannot be achieved because of the impact of the CDN on the EUT, no immunity test shall be required.

11.4. Test Procedure

The EUT and its load are placed on a table that is 0.8 meter above a metal ground plane measured 1m*1m min. and 0.65mm thick min. And projected beyond the EUT by at least 0.1m on all sides. The length of power cord between the coupling device and the EUT shall be 2m or less.

For Input and Output AC Power or DC Input and DC Output Power Ports:

The EUT is connected to the power mains through a coupling device that directly couples the Surge interference signal.

The surge noise shall be applied synchronized to the voltage phase at 0°, 90°, 180°, 270° and the peak value of the a.c. voltage wave. (Positive and negative)

Each of Line-Earth and Line-Line is impressed with a sequence of five surge voltages with interval of 1 min.

11.5. Deviation from Test Standard

No deviation.

11.6. Test Result

Product	DLP Projector		
Test Item	Surge		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/30	Test Site	No.3 Shielded Room

Inject Line	Polarity	Voltage kV	Angle	Time Interval (Second)	Inject Method	Required Criteria	Complied to Criteria	Result
L-N	±	1kV	0	60	Direct	B	A	PASS
L-N	±	1kV	90	60	Direct	B	A	PASS
L-N	±	1kV	180	60	Direct	B	A	PASS
L-N	±	1kV	270	60	Direct	B	A	PASS
L-PE	±	2kV	0	60	Direct	B	A	PASS
L-PE	±	2kV	90	60	Direct	B	A	PASS
L-PE	±	2kV	180	60	Direct	B	A	PASS
L-PE	±	2kV	270	60	Direct	B	A	PASS
N-PE	±	2kV	0	60	Direct	B	A	PASS
N-PE	±	2kV	90	60	Direct	B	A	PASS
N-PE	±	2kV	180	60	Direct	B	A	PASS
N-PE	±	2kV	270	60	Direct	B	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

☒ Meet criteria A : Operate as intended during and after the test

☐ Meet criteria B : Operate as intended after the test

☐ Meet criteria C : Loss/Error of function

☐ Additional Information

☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.

☒ No false alarms or other malfunctions were observed during or after the test.

Product	DLP Projector		
Test Item	Surge		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/24	Test Site	No.3 Shielded Room

Inject Line	Polarity	Voltage kV	Angle	Time Interval (Second)	Inject Method	Required Criteria	Complied to Criteria	Result
L-N	±	1kV	0	60	Direct	B	A	PASS
L-N	±	1kV	90	60	Direct	B	A	PASS
L-N	±	1kV	180	60	Direct	B	A	PASS
L-N	±	1kV	270	60	Direct	B	A	PASS
L-PE	±	2kV	0	60	Direct	B	A	PASS
L-PE	±	2kV	90	60	Direct	B	A	PASS
L-PE	±	2kV	180	60	Direct	B	A	PASS
L-PE	±	2kV	270	60	Direct	B	A	PASS
N-PE	±	2kV	0	60	Direct	B	A	PASS
N-PE	±	2kV	90	60	Direct	B	A	PASS
N-PE	±	2kV	180	60	Direct	B	A	PASS
N-PE	±	2kV	270	60	Direct	B	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

☒ Meet criteria A : Operate as intended during and after the test

☐ Meet criteria B : Operate as intended after the test

☐ Meet criteria C : Loss/Error of function

☐ Additional Information

☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.

☒ No false alarms or other malfunctions were observed during or after the test.

11.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : SURGE Test Setup



Test Mode : Mode 11: SDI

Description : SURGE Test Setup



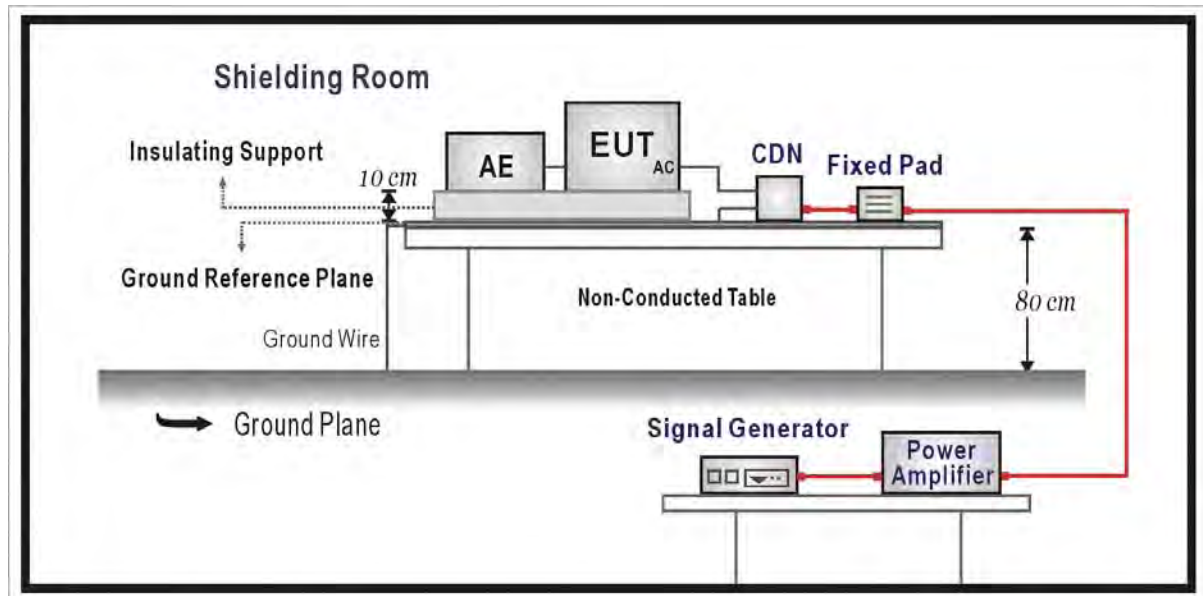
12. Conducted Susceptibility

12.1. Test Specification

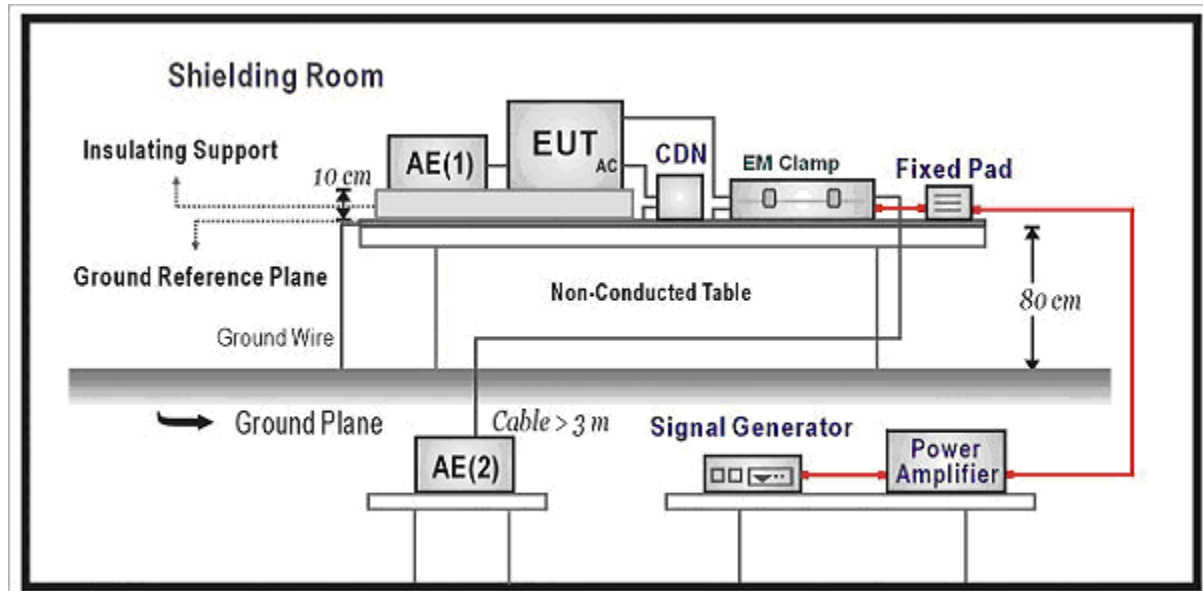
According to Standard : IEC 61000-4-6

12.2. Test Setup

CDN Inject Method



EM Clamp Inject Method



12.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Signal Ports and Telecommunication Ports				
	Radio-Frequency Continuous Conducted	MHz V (rms, Un-modulated) % AM (1kHz)	0.15-80 3 80	A
Input DC Power Ports				
	Radio-Frequency Continuous Conducted	MHz V (rms, Un-modulated) % AM (1kHz)	0.15-80 3 80	A
Input AC Power Ports				
	Radio-Frequency Continuous Conducted	MHz V (rms, Un-modulated) % AM (1kHz)	0.15-80 3 80	A

12.4. Test Procedure

The EUT are placed on a table that is 0.8 meter height, and a Ground reference plane on the table, EUT are placed upon table and use a 10cm insulation between the EUT and Ground reference plane.

For Signal Ports and Telecommunication Ports

The disturbance signal is through a coupling and decoupling networks (CDN) or EM-clamp device couples to the signal and Telecommunication lines of the EUT.

For Input DC and AC Power Ports

The EUT is connected to the power mains through a coupling and decoupling networks for power supply lines. And directly couples the disturbances signal into EUT.

Used CDN-M2 for two wires or CDN-M3 for three wires.

All the scanning conditions are as follows:

Condition of Test	Remarks
1. Field Strength	130dBuV(3V) Level 2
2. Radiated Signal	AM 80% Modulated with 1kHz
3. Scanning Frequency	0.15MHz – 80MHz
4. Dwell Time	3 Seconds
5. Frequency step size Δf :	1%
6. The rate of Swept of Frequency	1.5×10^{-3} decades/s

12.5. Deviation from Test Standard

No deviation.

12.6. Test Result

Product	DLP Projector		
Test Item	Conducted susceptibility		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/30	Test Site	No.6 Shielded Room

Frequency Range (MHz)	Voltage Applied dBuV(V)	Inject Method	Tested Port of EUT	Required Criteria	Performance Criteria Complied To	Result
0.15~80	130 (3V)	CDN	AC IN	A	A	PASS
0.15~80	130 (3V)	Clamp	LAN	A	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

- ☒ Meet criteria A : Operate as intended during and after the test
- ☐ Meet criteria B : Operate as intended after the test
- ☐ Meet criteria C : Loss/Error of function
- ☐ Additional Information
 - ☐ EUT stopped operation and could / could not be reset by operator at _____ dBuV(V) at frequency _____MHz.
 - ☒ No false alarms or other malfunctions were observed during or after the test. The acceptance criteria were met, and the EUT passed the test.

Product	DLP Projector		
Test Item	Conducted susceptibility		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/24	Test Site	No.6 Shielded Room

Frequency Range (MHz)	Voltage Applied dBuV(V)	Inject Method	Tested Port of EUT	Required Criteria	Performance Criteria Complied To	Result
0.15~80	130 (3V)	CDN	AC IN	A	A	PASS
0.15~80	130 (3V)	Clamp	LAN	A	A	PASS
0.15~80	130 (3V)	Clamp	Coaxial	A	A	PASS

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

- ☒ Meet criteria A : Operate as intended during and after the test
- ☐ Meet criteria B : Operate as intended after the test
- ☐ Meet criteria C : Loss/Error of function
- ☐ Additional Information
 - ☐ EUT stopped operation and could / could not be reset by operator at _____ dBuV(V) at frequency _____MHz.
 - ☒ No false alarms or other malfunctions were observed during or after the test. The acceptance criteria were met, and the EUT passed the test.

12.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Conducted Susceptibility Test Setup



Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Conducted Susceptibility Test Setup-Clamp



Test Mode : Mode 11: SDI

Description : Conducted Susceptibility Test Setup



Test Mode : Mode 11: SDI

Description : Conducted Susceptibility Test Setup-Clamp

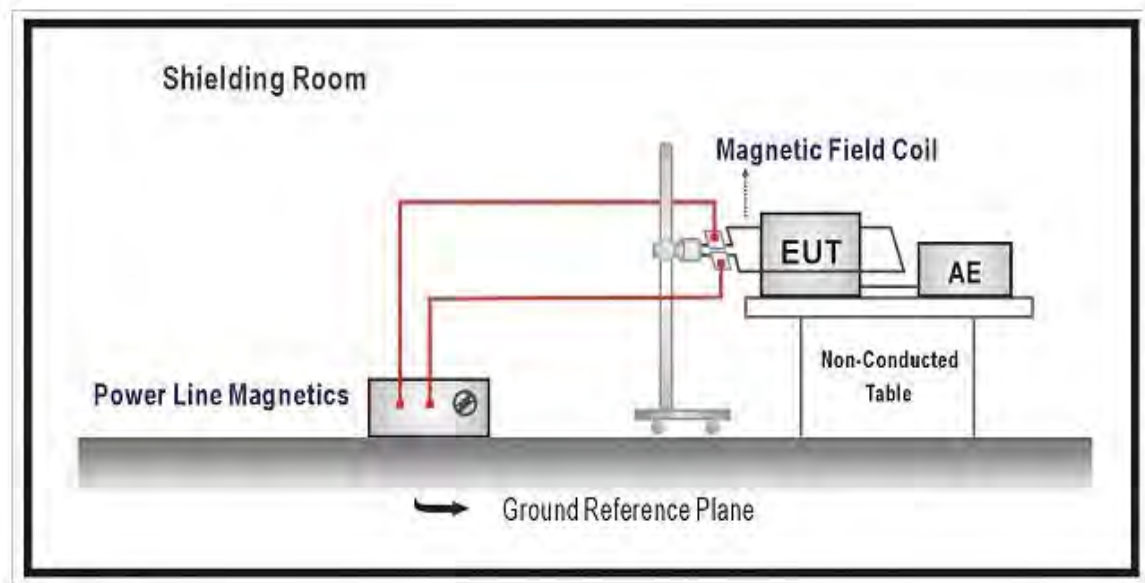


13. Power Frequency Magnetic Field

13.1. Test Specification

According to Standard : IEC 61000-4-8

13.2. Test Setup



13.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Enclosure Port				
	Power-Frequency Magnetic Field	Hz A/m (r.m.s.)	50 1	A

13.4. Test Procedure

The EUT and its load are placed on a table which is 0.8 meter above a metal ground plane measured at least 1m*1m min. The test magnetic field shall be placed at central of the induction coil.

The test magnetic Field shall be applied 10 minutes by the immersion method to the EUT. And the induction coil shall be rotated by 90° in order to expose the EUT to the test field with different orientation (X, Y, Z Orientations).

13.5. Deviation from Test Standard

No deviation.

13.6. Test Result

Product	DLP Projector		
Test Item	Power frequency magnetic field		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/30	Test Site	No.3 Shielded Room

Polarization	Frequency (Hz)	Inject Times(s)	Magnetic Strength (A/m)	Required Performance Criteria	Performance Criteria Complied To	Test Result
X Orientation	50	60	1	A	A	PASS
Y Orientation	50	60	1	A	A	PASS
Z Orientation	50	60	1	A	A	PASS

- ☒ Meet criteria A: Operate as intended during and after the test
- ☐ Meet criteria B: Operate as intended after the test
- ☐ Meet criteria C: Loss/Error of function
- ☐ Additional Information
 - ☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.
- ☒ No false alarms or other malfunctions were observed during or after the test. The acceptance criteria were met, and the EUT passed the test.

Product	DLP Projector		
Test Item	Power frequency magnetic field		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/24	Test Site	No.3 Shielded Room

Polarization	Frequency (Hz)	Inject Times(s)	Magnetic Strength (A/m)	Required Performance Criteria	Performance Criteria Complied To	Test Result
X Orientation	50	60	1	A	A	PASS
Y Orientation	50	60	1	A	A	PASS
Z Orientation	50	60	1	A	A	PASS

- ☒ Meet criteria A: Operate as intended during and after the test
☐ Meet criteria B: Operate as intended after the test
☐ Meet criteria C: Loss/Error of function
☐ Additional Information
☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.
- ☒ No false alarms or other malfunctions were observed during or after the test. The acceptance criteria were met, and the EUT passed the test.

13.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Power Frequency Magnetic Field Test Setup



Test Mode : Mode 11: SDI

Description : Power Frequency Magnetic Field Test Setup

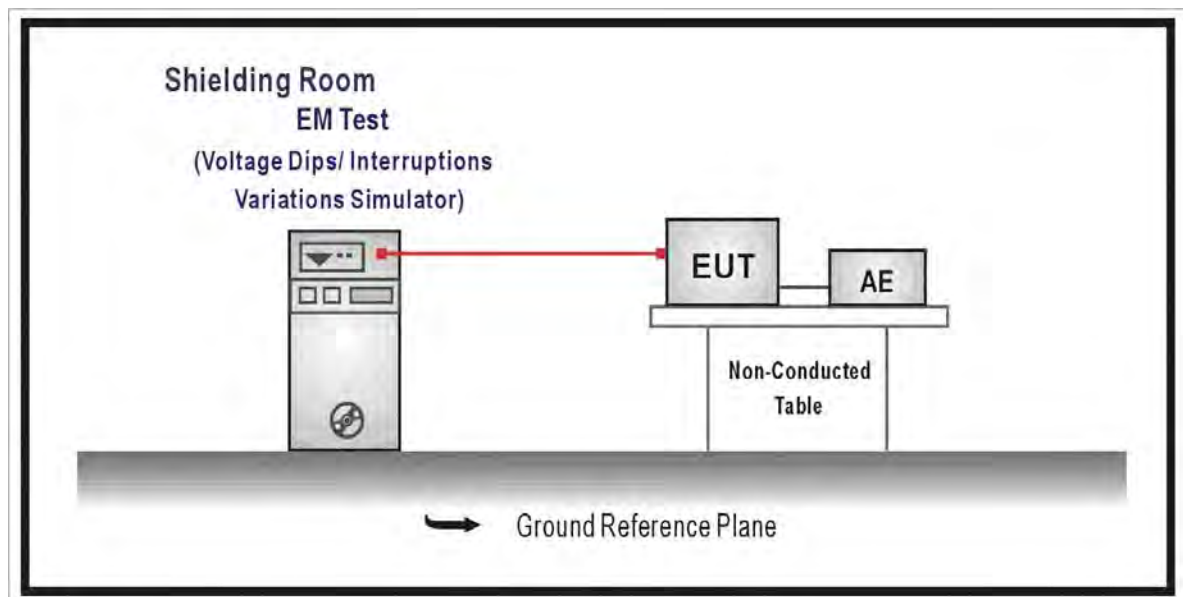


14. Voltage Dips and Interruption

14.1. Test Specification

According to Standard : IEC 61000-4-11

14.2. Test Setup



14.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Input AC Power Ports				
	Voltage Dips	% Reduction	30	C
		Period	25	
	Voltage Interruptions	% Reduction	>95	B
		Period	0.5	
	Voltage Interruptions	% Reduction	> 95	C
		Period	250	

14.4. Test Procedure

The EUT and its load are placed on a table which is 0.8 meter above a metal ground plane measured 1m*1m min. And 0.65mm thick min. And projected beyond the EUT by at least 0.1m on all sides. The power cord shall be used the shortest power cord as specified by the manufacturer.

For Voltage Dips/ Interruptions test:

The selection of test voltage is based on the rated power range. If the operation range is large than 20% of lower power range, both end of specified voltage shall be tested.

Otherwise, the typical voltage specification is selected as test voltage.

The EUT is connected to the power mains through a coupling device that directly couples to the Voltage Dips and Interruption Generator.

The EUT shall be tested for 30% voltage dip of supplied voltage and duration 25 Periods, for 95% voltage dip of supplied voltage and duration 0.5 Periods with a sequence of three voltage dips with intervals of 10 seconds, and for 95% voltage interruption of supplied voltage and duration 250 Periods with a sequence of three voltage interruptions with intervals of 10 seconds.

Voltage phase shifting are shall occur at 0° , 45° , 90° , 135° , 180° , 225° , 270° , 315° of the voltage.

14.5. Deviation from Test Standard

No deviation.

14.6. Test Result

Product	DLP Projector		
Test Item	Voltage dips and interruption		
Test Mode	Mode 3: D-SUB2 (1920*1200/60Hz)		
Date of Test	2013/03/30	Test Site	No.3 Shielded Room

Voltage Dips and Interruption Reduction(%)	Angle	Test Duration (Periods)	Required Performance Criteria	Performance Criteria Complied To	Test Result
30	0	25	C	A	PASS
30	45	25	C	A	PASS
30	90	25	C	A	PASS
30	135	25	C	A	PASS
30	180	25	C	A	PASS
30	225	25	C	A	PASS
30	270	25	C	A	PASS
30	315	25	C	A	PASS
>95	0	0.5	B	A	PASS
>95	45	0.5	B	A	PASS
>95	90	0.5	B	A	PASS
>95	135	0.5	B	A	PASS
>95	180	0.5	B	A	PASS
>95	225	0.5	B	A	PASS
>95	270	0.5	B	A	PASS
>95	315	0.5	B	A	PASS
>95	0	250	C	C	PASS
>95	45	250	C	C	PASS
>95	90	250	C	C	PASS
>95	135	250	C	C	PASS
>95	180	250	C	C	PASS
>95	225	250	C	C	PASS
>95	270	250	C	C	PASS
>95	315	250	C	C	PASS

☒ Meet criteria A: Operate as intended during and after the test

☐ Meet criteria B: Operate as intended after the test

☒ Meet criteria C: Loss/Error of function

☐ Additional Information

☐ The nominal voltage of EUT is 230V.

☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.

☒ No false alarms or other malfunctions were observed during or after the test. The acceptance criteria were met, and the EUT passed the test.

Product	DLP Projector		
Test Item	Voltage dips and interruption		
Test Mode	Mode 11: SDI		
Date of Test	2013/04/24	Test Site	No.3 Shielded Room

Voltage Dips and Interruption Reduction(%)	Angle	Test Duration (Periods)	Required Performance Criteria	Performance Criteria Complied To	Test Result
30	0	25	C	A	PASS
30	45	25	C	A	PASS
30	90	25	C	A	PASS
30	135	25	C	A	PASS
30	180	25	C	A	PASS
30	225	25	C	A	PASS
30	270	25	C	A	PASS
30	315	25	C	A	PASS
>95	0	0.5	B	A	PASS
>95	45	0.5	B	A	PASS
>95	90	0.5	B	A	PASS
>95	135	0.5	B	A	PASS
>95	180	0.5	B	A	PASS
>95	225	0.5	B	A	PASS
>95	270	0.5	B	A	PASS
>95	315	0.5	B	A	PASS
>95	0	250	C	C	PASS
>95	45	250	C	C	PASS
>95	90	250	C	C	PASS
>95	135	250	C	C	PASS
>95	180	250	C	C	PASS
>95	225	250	C	C	PASS
>95	270	250	C	C	PASS
>95	315	250	C	C	PASS

- ☒ Meet criteria A: Operate as intended during and after the test
☐ Meet criteria B: Operate as intended after the test
☒ Meet criteria C: Loss/Error of function
☐ Additional Information
 ☐ The nominal voltage of EUT is 230V.
 ☐ EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.
☒ No false alarms or other malfunctions were observed during or after the test. The acceptance criteria were met, and the EUT passed the test.

14.7. Test Photograph

Test Mode : Mode 3: D-SUB2 (1920*1200/60Hz)

Description : Voltage Dips Test Setup



Test Mode : Mode 11: SDI

Description : Voltage Dips Test Setup



15. Attachment

➤ EUT Photograph

(1) EUT Photo



(2) EUT Photo



(3) EUT Photo



(4) EUT Photo



(7) EUT Photo



(8) EUT Photo



(9) EUT Photo



(10) EUT Photo



The rear panel of the SB-01HC video switcher features a variety of ports for connectivity. At the top, from left to right, are a LAN port, an HDMI IN port, a DisplayPort IN port, a USB port, and two DVI ports labeled COMPUTER 2 IN and COMPUTER 1 IN. Below these are a PC CONTROL port, a REMOTE port, and a row of five BNC ports labeled R/Cr, G/Y, B/Cb, H, and V. To the right of these are a MONITOR OUT (COMP 1) port and an S-VIDEO IN port. A central horizontal slot is labeled SB-01HC and contains two BNC ports labeled SDI IN and MONITOR OUT, with a label HD / SD - SDI below them. A SLOTTED area is visible on the right side of the panel.

The image shows the rear of a black Sony CCD camera unit. It features two large, rectangular lamp housings labeled 'LAMP1' and 'LAMP2', each with a horizontal ventilation grille. Above each lamp housing is a small, diamond-shaped warning symbol. To the right of the lamp housings is a control panel with a 'STEREO IN' section containing two BNC connectors labeled 'BNC OUT' and 'BNC IN'. Below this is a 'CAUTION HOT' warning label with text in English and Japanese, and a 'LAMP TYPE: HPS/SLP' label. The unit is mounted on a central pedestal and four corner feet. Two white cylindrical components are attached to the top corners via cables.

(13) EUT Photo

