Application for FCC Certificate
On Behalf of
Amphenol AssembleTech (Xiamen) Co., Ltd.

DP2DVI-SL

Model No.: F388M

Serial No.: E2009030905

FCC ID : XEF929-13YYZ-L

Prepared For : Amphenol AssembleTech (Xiamen) Co., Ltd.
39-B QianPu Industrial, Xiamen, Fujian, PRC

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F09037
Date of Test : Apr 03 - 08, 2009
Date of Report : May 18, 2009

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TEST REPORT FOR FCC CERTIFICATE

Applicant	:	Amphenol AssembleTech (Xiamen) Co., Ltd.
Manufacturer	:	Amphenol AssembleTech (Xiamen) Co., Ltd.
EUT Description	:	DP2DVI-SL
		(A) Model No. : F388M
		(B) Serial No. : E2009030905
		(C) Test Voltage : 120V/60Hz

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2008 AND ANSI C63.4-2003

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B (Class B) and ICES-003, Issue 4 February 2004 (CISPR 22:2002) limits both radiated and conducted emissions.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report shows that the EUT (M/N: F3888M; S/N: E2009030905) which was tested in 3m anechoic chamber Apr 03 - 08, 2009 is technically compliance with the FCC official limits also.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

This report contains data that are not covered by the NVLAP accreditation.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Apr 03 - 08, 2009 Date of Report : May 18, 2009

Producer : Zeno Gu
ZENO GU / Assistant

Review : Dio Yang
DIO YANG / Supervisor

AUDIX® For and on behalf of
Audix Technology (Shanghai) Co., Ltd.

Signatory : Sammy Chen
Authorized Signature EMC SAMMY CHEN / Assistant Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

Description of Test Item	Standard	Limits	Results
EMISSION			
Conducted Disturbance at the Mains Terminal	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2008 AND ANSI C63.4-2003	15.107(a) Class B	Pass
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2008 AND ANSI C63.4-2003	15.109(a) Class B	Pass

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	:	DP2DVI-SL
Type of EUT	:	☑ Production ☐ Pre-product ☐ Pro-type
Model No.	:	F388M
Serial No.	:	E2009030905
Note	:	The DP2DVI-SL is a DP to DVI cable, one connector is a DP port, the other is a DVI port.
Applicant	:	Amphenol AssembleTech (Xiamen) Co., Ltd. 39-B QianPu Industrial, Xiamen, Fujian, PRC
Manufacturer	:	Amphenol AssembleTech (Xiamen) Co., Ltd. 39-B QianPu Industrial, Xiamen, Fujian, PRC

Remark:

The EUT is a DP2DVI-SL which input/output ports as follows:

(1) One DP Port : Connected with PC

(2) One DVI Port : Connected with LCD Monitor through another DVI cable

2.2 Peripherals

2.2.1 PC

Manufacturer	:	DELL
Model Number	:	DCMF
Serial Number	:	BR39L2X
Power Cord	:	Unshielded, Detachable, 1.8m
Certificate	:	FCC DoC; CE/EMC; VCCI; CCC, BSMI

2.2.2 Printer

Manufacturer	:	HP
Model Number	:	P1007
Serial Number	:	VNC5406320
Data Cable	:	Shielded, Detachable, 1.5m
Certificate	:	FCC DoC; CE/EMC; VCCI; CCC, BSMI

2.2.3 Keyboard

Manufacturer	:	Microsoft
Model Number	:	KU0459
Serial Number	:	7691402450604
Data Cable	:	Shielded, Undetachable, 1.8m
Certificate	:	FCC DoC; CE/EMC; VCCI; BSMI

2.2.4 Mouse

Manufacturer	:	Microsoft
Model Number	:	X800898-130
Serial Number	:	69657-492-071587-20542
Data Cable	:	Shielded, Undetachable, 1.85m.
Certificate	:	FCC DoC; CE/EMC; VCCI; BSMI

2.2.5 LCD Monitor

Manufacturer	:	DELL
Model Number	:	3008WFPt
Serial Number	:	DK7VDD1
Data Cable	:	Shielded, Detachable, 1.8m
Certificate	:	FCC DoC; CE/EMC; VCCI; CCC, BSMI

2.3 Description of Test Facility

Site Description (Semi-Anechoic Chamber)	:	Sept. 17, 1998 file on July 26, 2006 Renewed Federal Communications Commission FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046, USA
Name of Firm	:	Audix Technology (Shanghai) Co., Ltd.
Site Location	:	3F 34Bldg 680 Guiping Rd, Caohejing Hi-Tech Park, Shanghai 200233, China
NVLAP Lab Code	:	200371-0

2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty: U = 1.26 dB
Radiated Emission Expanded Uncertainty : U = 3.02 dB

3 CONDUCTED EMISSION TEST

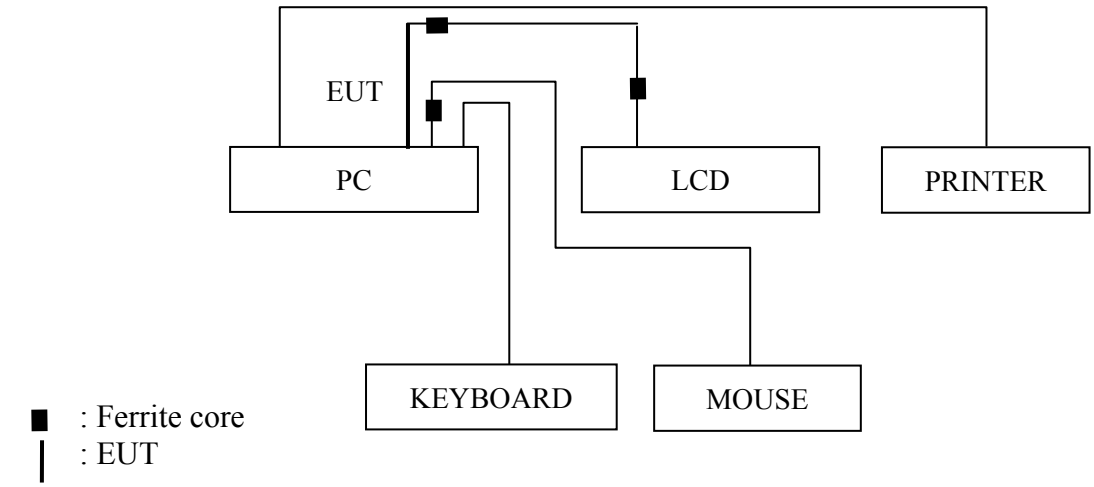
3.1.1 Test Equipment

The following test equipments are used during the conducted emission test in a shielded room:

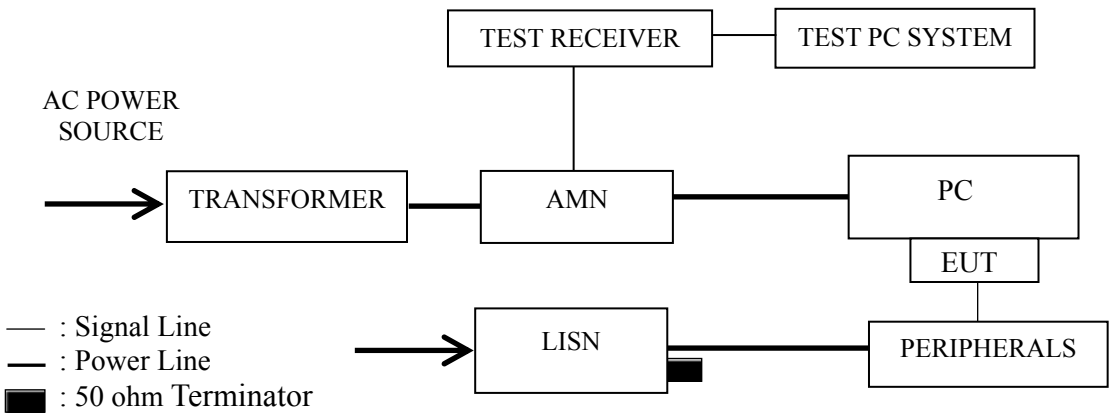
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100841	Nov 21, 2008	Nov 21, 2009
2.	Artificial Mains Network (AMN)	R&S	ESH2-Z5	843890/011	Apr 02, 2009	Apr 02, 2010
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-4	Apr 02, 2009	Apr 02, 2010
4.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Mar 19, 2009	Sep 19, 2009
5.	50Ω Terminator	Anritsu	BNC	001	Apr 02, 2009	Apr 02, 2010
6.	Software	Audix	E3	SET00200 9804M592	--	--

3.2 Block Diagram of Test Setup

3.2.1 EUT & Peripherals



3.2.2 Conducted Disturbance Test Setup



3.3 Conducted Emission Limit [FCC Part 15 Subpart B 15.107(a)]

Frequency Range (MHz)	Limits dB (μV)	
	Quasi-peak	Average
0.15 ~ 0.5	66~56	56~46
0.5 ~ 5	56	46
5 ~ 30	60	50
NOTE 1 – The lower limit shall apply at the transition frequencies. NOTE 2 – The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz~0.50 MHz		

3.4 Test Configuration

The EUT (listed in Sec.2.1) and the peripherals (listed in Sec 2.2) were installed as shown on Sec.3.2 to meet FCC requirement and operating in a manner that tends to maximize its emission level in a normal application.

3.5 Operating Condition of EUT

3.5.1 Setup the EUT and peripherals as shown in Sec. 3.2.

3.5.2 Turn on the power of all equipments and the peripherals.

3.5.3 Set the contrast & brightness of LCD Monitor to maximum.

3.5.4 PC system ran the self-test program “EMC Test” by windows XP and sent “H” characters to monitors through EUT, the monitors’ screen displayed and filled with “H” pattern by it’s resolution.

3.5.5 Repeat above procedure from 3.5.3 to 3.5.4 for difference test mode.

3.5.6 The other peripheral devices were driven and operated in turn during all testing.

3.5.7 The test modes are as follows:

Test Mode
DP to DVI 640*480@60Hz
DP to DVI 1024*768@60Hz
DP to DVI 1600*1200@60Hz
DP to DVI 1680*1050@60Hz
DP to DVI 1920*1200@60Hz

3.6 Test Procedures

The PC was connected to the power mains through an Artificial Mains Network (AMN). The EUT was connected with PC. The other peripheral devices power cord was connected to the power mains through a line impedance stabilization network (L.I.S.N). This provided a 50 ohm coupling impedance for the measuring equipment.

Both sides of AC line (Line & Neutral) were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed or manipulated according to ANSI C63.4:2003 during conducted emission test.

The bandwidth of R&S Test Receiver ESCI was set at 9 kHz.

The frequency range from 150 kHz to 30 MHz was checked.

The test modes were done on conducted disturbance test and all the test results are listed in Sec. 3.7.

3.7 Test Results

< PASS >

The frequency and amplitude of the highest conducted emission relative to the limit is reported. All emissions not reported below are too low against the prescribed limits.

Test Mode	Data Page
DP to DVI 640*480@60Hz	P11
DP to DVI 1024*768@60Hz	P12
DP to DVI 1600*1200@60Hz	P13
DP to DVI 1680*1050@60Hz	P14
DP to DVI 1920*1200@60Hz	P15

NOTE 1 – Factor = Cable Loss + AMN Factor.
NOTE 2 – Emission Level = Meter Reading + Factor.
NOTE 3 – “QP” means “Quasi-Peak” values, “AV” means “Average” values.
NOTE 4 – The worst case is for DP to DVI 1920*1200@60Hz test mode. The worst emission is detected at 0.176 MHz (Quasi-Peak) with corrected signal level of 43.41 dB (μV) (limit is 64.48 dB (μV)), when the Line of the EUT is connected to AMN.

EUT	:	DP2DVI-SL	Temperature :	22℃
Model No.	:	F388M	Humidity :	48%RH
Serial No.	:	E2009030905	Date of Test :	Apr 03, 2009
Test Mode	:	DP to DVI 640*480@60Hz		

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	41.55	0.61	42.16	64.68	22.52	QP
	0.264	23.71	0.62	24.33	61.29	36.96	
	0.529	30.01	0.56	30.57	56.00	25.43	
	0.614	32.54	0.53	33.07	56.00	22.93	
	13.695	35.69	0.83	36.52	60.00	23.48	
	17.849	35.04	0.85	35.89	60.00	24.11	
	0.176	30.26	0.61	30.87	54.68	23.81	AV
	0.264	12.68	0.62	13.30	51.29	37.99	
	0.529	20.49	0.56	21.05	46.00	24.95	
	0.614	22.16	0.53	22.69	46.00	23.31	
	13.695	25.48	0.83	26.31	50.00	23.69	
	17.849	25.48	0.85	26.33	50.00	23.67	
Neutral	**0.176**	**42.83**	**0.51**	**43.34**	**64.68**	**21.34**	QP
	0.264	31.35	0.57	31.92	61.29	29.37	
	0.529	27.28	0.55	27.83	56.00	28.17	
	0.614	28.03	0.52	28.55	56.00	27.45	
	13.695	37.07	0.77	37.84	60.00	22.16	
	17.849	32.55	0.87	33.42	60.00	26.58	
	0.176	32.15	0.51	32.66	54.68	22.02	AV
	0.264	21.48	0.57	22.05	51.29	29.24	
	0.529	17.48	0.55	18.03	46.00	27.97	
	0.614	17.49	0.52	18.01	46.00	27.99	
	13.695	27.35	0.77	28.12	50.00	21.88	
	17.849	22.48	0.87	23.35	50.00	26.65	

TEST ENGINEER: WENCY YANG

EUT : DP2DVI-SL Temperature : 22℃

Model No. : F388M Humidity : 48%RH

Serial No. : E2009030905 Date of Test : Apr 03, 2009

Test Mode : DP to DVI 1024*768@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	41.55	0.61	42.16	64.68	22.52	QP
	0.264	22.51	0.62	23.13	61.29	38.16	
	0.529	30.49	0.56	31.05	56.00	24.95	
	0.614	32.73	0.53	33.26	56.00	22.74	
	13.695	36.04	0.83	36.87	60.00	23.13	
	17.849	32.80	0.85	33.65	60.00	26.35	
	0.176	31.16	0.61	31.77	54.68	22.91	AV
	0.264	12.64	0.62	13.26	51.29	38.03	
	0.529	20.15	0.56	20.71	46.00	25.29	
	0.614	22.45	0.53	22.98	46.00	23.02	
	13.695	26.59	0.83	27.42	50.00	22.58	
	17.849	22.15	0.85	23.00	50.00	27.00	
Neutral	**0.176**	**42.79**	**0.51**	**43.30**	**64.68**	**21.38**	QP
	0.264	31.21	0.57	31.78	61.29	29.51	
	0.529	27.35	0.55	27.90	56.00	28.10	
	0.614	28.09	0.52	28.61	56.00	27.39	
	13.695	36.98	0.77	37.75	60.00	22.25	
	17.849	33.08	0.87	33.95	60.00	26.05	
	0.176	32.46	0.51	32.97	54.68	21.71	AV
	0.264	21.16	0.57	21.73	51.29	29.56	
	0.529	17.03	0.55	17.58	46.00	28.42	
	0.614	18.43	0.52	18.95	46.00	27.05	
	13.695	26.30	0.77	27.07	50.00	22.93	
	17.849	23.05	0.87	23.92	50.00	26.08	

TEST ENGINEER: WENCY YANG

EUT : DP2DVI-SL Temperature : 22℃

Model No. : F388M Humidity : 48%RH

Serial No. : E2009030905 Date of Test : Apr 03, 2009

Test Mode : DP to DVI 1600*1200@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	41.58	0.61	42.19	64.68	22.49	QP
	0.264	22.92	0.62	23.54	61.29	37.75	
	0.529	30.15	0.56	30.71	56.00	25.29	
	0.614	32.45	0.53	32.98	56.00	23.02	
	13.695	36.08	0.83	36.91	60.00	23.09	
	17.849	34.21	0.85	35.06	60.00	24.94	
	0.176	31.06	0.61	31.67	54.68	23.01	AV
	0.264	12.46	0.62	13.08	51.29	38.21	
	0.529	20.90	0.56	21.46	46.00	24.54	
	0.614	22.06	0.53	22.59	46.00	23.41	
	13.695	26.48	0.83	27.31	50.00	22.69	
	17.849	24.72	0.85	25.57	50.00	24.43	
Neutral	**0.176**	**42.68**	**0.51**	**43.19**	**64.68**	**21.49**	QP
	0.264	31.08	0.57	31.65	61.29	29.64	
	0.529	27.33	0.55	27.88	56.00	28.12	
	0.614	28.06	0.52	28.58	56.00	27.42	
	13.695	36.00	0.77	36.77	60.00	23.23	
	17.849	35.49	0.87	36.36	60.00	23.64	
	0.176	32.16	0.51	32.67	54.68	22.01	AV
	0.264	21.06	0.57	21.63	51.29	29.66	
	0.529	17.42	0.55	17.97	46.00	28.03	
	0.614	18.76	0.52	19.28	46.00	26.72	
	13.695	26.41	0.77	27.18	50.00	22.82	
	17.849	25.47	0.87	26.34	50.00	23.66	

TEST ENGINEER: WENCY YANG

EUT : DP2DVI-SL Temperature : 22℃

Model No. : F388M Humidity : 48%RH

Serial No. : E2009030905 Date of Test : Apr 03, 2009

Test Mode : DP to DVI 1680*1050@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	41.61	0.61	42.22	64.68	22.46	QP
	0.264	22.81	0.62	23.43	61.29	37.86	
	0.529	30.39	0.56	30.95	56.00	25.05	
	0.614	32.28	0.53	32.81	56.00	23.19	
	13.695	35.59	0.83	36.42	60.00	23.58	
	17.849	35.63	0.85	36.48	60.00	23.52	
	0.176	31.16	0.61	31.77	54.68	22.91	AV
	0.264	12.68	0.62	13.30	51.29	37.99	
	0.529	20.16	0.56	20.72	46.00	25.28	
	0.614	22.08	0.53	22.61	46.00	23.39	
	13.695	24.86	0.83	25.69	50.00	24.31	
	17.849	24.88	0.85	25.73	50.00	24.27	
Neutral	**0.176**	**42.54**	**0.51**	**43.05**	**64.68**	**21.63**	QP
	0.264	31.30	0.57	31.87	61.29	29.42	
	0.529	27.50	0.55	28.05	56.00	27.95	
	0.614	27.60	0.52	28.12	56.00	27.88	
	13.695	35.87	0.77	36.64	60.00	23.36	
	17.849	35.36	0.87	36.23	60.00	23.77	
	0.176	32.16	0.51	32.67	54.68	22.01	AV
	0.264	21.58	0.57	22.15	51.29	29.14	
	0.529	17.84	0.55	18.39	46.00	27.61	
	0.614	17.46	0.52	17.98	46.00	28.02	
	13.695	24.68	0.77	25.45	50.00	24.55	
	17.849	25.83	0.87	26.70	50.00	23.30	

TEST ENGINEER: WENCY YANG

EUT : DP2DVI-SL Temperature : 22℃

Model No. : F388M Humidity : 48%RH

Serial No. : E2009030905 Date of Test : Apr 03, 2009

Test Mode : DP to DVI 1920*1200@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.176**	**42.80**	**0.61**	**43.41**	**64.68**	**21.27**	QP
	0.264	31.48	0.62	32.10	61.29	29.19	
	0.529	27.33	0.56	27.89	56.00	28.11	
	0.614	27.71	0.53	28.24	56.00	27.76	
	13.695	35.98	0.83	36.81	60.00	23.19	
	17.849	34.26	0.85	35.11	60.00	24.89	
	0.176	32.15	0.61	32.76	54.68	21.92	AV
	0.264	21.55	0.62	22.17	51.29	29.12	
	0.529	17.48	0.56	18.04	46.00	27.96	
	0.614	14.48	0.53	15.01	46.00	30.99	
	13.695	24.58	0.83	25.41	50.00	24.59	
	17.849	24.37	0.85	25.22	50.00	24.78	
Neutral	0.176	41.60	0.51	42.11	64.68	22.57	QP
	0.264	23.81	0.57	24.38	61.29	36.91	
	0.529	29.96	0.55	30.51	56.00	25.49	
	0.614	32.30	0.52	32.82	56.00	23.18	
	13.695	35.80	0.77	36.57	60.00	23.43	
	17.849	36.60	0.87	37.47	60.00	22.53	
	0.176	31.07	0.51	31.58	54.68	23.10	AV
	0.264	13.64	0.57	14.21	51.29	37.08	
	0.529	18.48	0.55	19.03	46.00	26.97	
	0.614	22.48	0.52	23.00	46.00	23.00	
	13.695	25.47	0.77	26.24	50.00	23.76	
	17.849	26.47	0.87	27.34	50.00	22.66	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

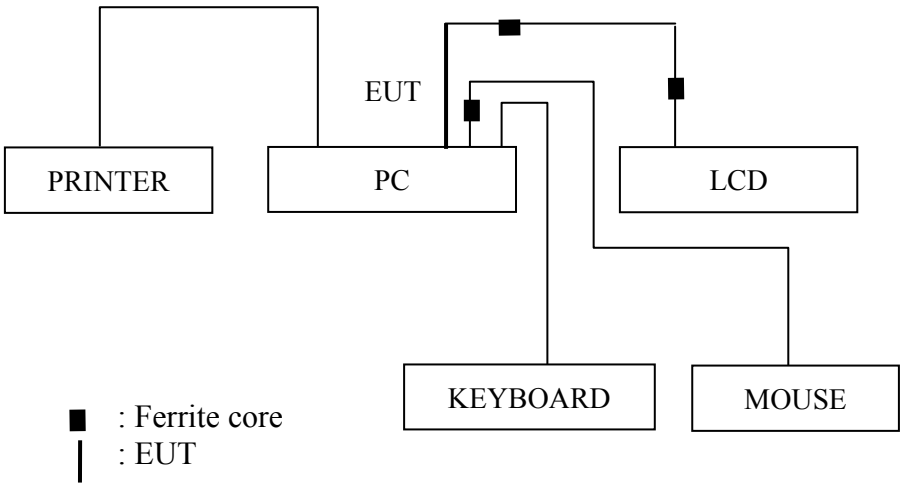
4.1 Test Equipment

The following test equipments are used during the radiated emission test in a semi-anechoic chamber:

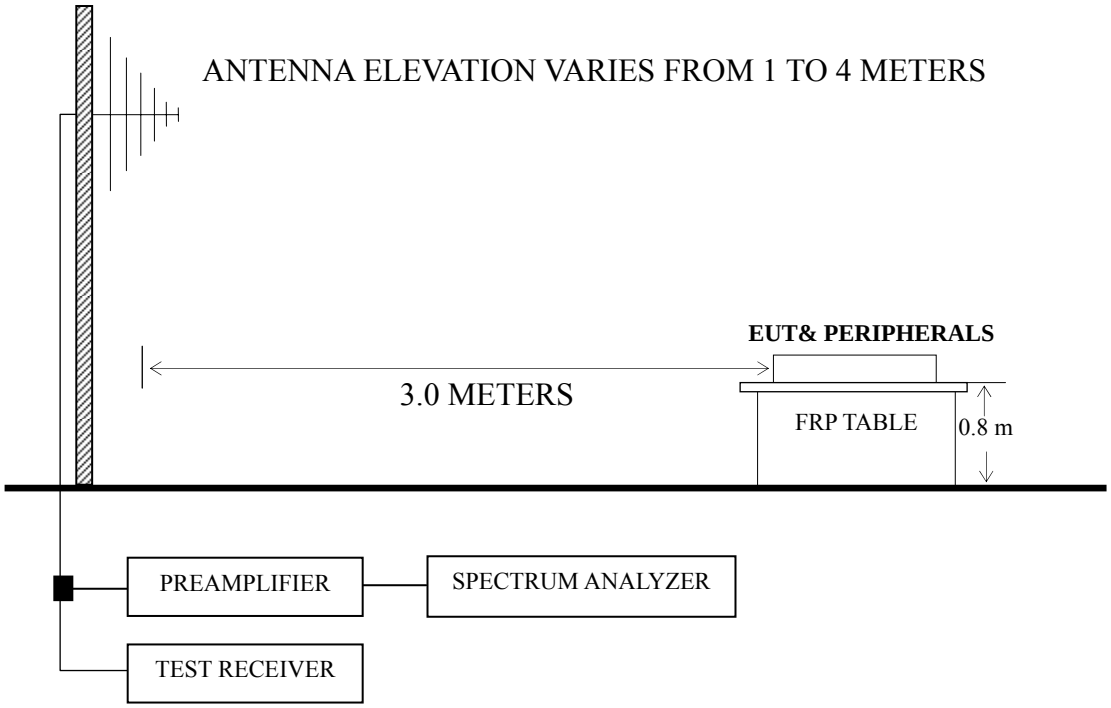
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESVS10	844594/001	Mar 07, 2009	Mar 07, 2010
2.	Preamplifier	Agilent	8447D	2944A10548	Mar 19, 2009	Sep 19, 2009
3.	Preamplifier	HP	8449B	3008A00864	Mar 19, 2009	Sep 19, 2009
4.	Bi-log Antenna	TESEQ	CBL6112D	23193	May 14, 2008	May 14, 2009
5.	Spectrum	Agilent	E7405A	MY45106600	May 19, 2008	May 19, 2009
6.	Software	Audix	E3	SET00200 9912M295-2	--	--

4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals



4.2.2 Radiated emission test setup



■ : 50 ohm Coaxial Switch

4.3 Radiated Emission Limit [FCC Part 15 Subpart B 15.109(a)]

Frequency (MHz)	Distance (m)	Field strength limits	
		(μV/m)	dB (μV/m)
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

NOTE 1 - Emission Level dB (μV/m) = 20 log Emission Level (μV/m)
NOTE 2 - The tighter limit applies at the band edges.
NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
NOTE 4 - The limits shown are based on Quasi-peak value detector below or equal to 1GHz and Average value detector above 1GHz.
NOTE 5 - Above 1 GHz, the limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT

4.4 Test Configuration

The configuration of the EUT and peripherals are same as those used in conducted emission test.

Please refer to Sec.3.4.

4.5 Operating Condition of EUT

Same as conducted emission test which is listed in Sec.3.5, except for the test setup replaced by Sec.4.2.

4.6 Test Procedures

The EUT and peripherals were placed on a FRP turntable that is 0.8 meter above ground. The FRP turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. Broadband antenna (Calibrated Bilog Antenna) was used as receiving antenna. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to ANSI C63.4:2003 requirements during radiated emission test.

The bandwidth of Test Receiver R&S ESVS10 was set at 120 kHz below 1GHz and The Spectrum Agilent E7405A was set at 1MHz above 1GHz.

The frequency range from 30 MHz to 1000MHz was checked for all test modes.

The frequency range from 1 GHz to 2 GHz was checked for DP to DVI 1600*1200@60Hz, DP to DVI 1680*1050@60Hz and DP to DVI 1920*1200@60Hz modes.

The test modes were done on radiated disturbance test and all the test results are listed in Sec.4.7.

4.7 Test Results

<PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

Test Mode	Data Page
DP to DVI 640*480@60Hz	P20
DP to DVI 1024*768@60Hz	P21
DP to DVI 1600*1200@60Hz	P22
DP to DVI 1680*1050@60Hz	P23
DP to DVI 1920*1200@60Hz	P24

NOTE 1 – Emission Level = Antenna Factor + Cable Loss + Meter Reading. (< 1GHz)

NOTE 2 – Emission Level = Antenna Factor + Cable Loss – Preamp Factor + Meter Reading.(> 1GHz)

NOTE 3 – The emission levels that are 20dB below the official limit are not reported.

NOTE 4 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

NOTE 5 – All reading are Quasi-Peak values below or equal to 1GHz and Peak values above 1GHz. For measurements above 1 GHz, the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.

NOTE 6 – The worst case is for DP to DVI 1680*1050@60Hz test mode. The worst emission at horizontal polarization was detected at 732.000 MHz with corrected signal level of 40.88 dB (μV/m) (limit is 46.00dB (μV/m)), when the antenna was 1.80 m height and the turntable was at 135°. The worst emission at vertical polarization was detected at 732.000 MHz with corrected signal level of 39.18 dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.80 m height and the turntable was at 315°.

EUT :	DP2DVI-SL	Temperature :	22℃
Model No. :	F388M	Humidity :	60%RH
Serial No. :	E2009030905	Date of Test :	Apr 08, 2009
Test Mode :	DP to DVI 640*480@60Hz		

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	36.790	4.91	15.80	0.65	21.36	40.00	18.64
	134.760	15.08	12.30	0.90	28.28	43.50	15.22
	194.900	16.91	10.51	1.07	28.49	43.50	15.01
	324.880	12.47	14.58	1.66	28.71	46.00	17.29
	672.140	**12.47**	**19.57**	**2.95**	**34.99**	**46.00**	**11.01**
	806.000	10.49	20.77	3.34	34.60	46.00	11.40
Vertical	54.250	20.31	7.92	0.79	29.02	40.00	10.98
	194.900	15.69	10.51	1.07	27.27	43.50	16.23
	526.640	12.73	18.24	2.43	33.40	46.00	12.60
	714.820	10.58	19.85	3.12	33.55	46.00	12.45
	806.000	11.52	20.77	3.34	35.63	46.00	10.37
	939.860	**10.87**	**21.99**	**3.64**	**36.50**	**46.00**	**9.50**

TEST ENGINEER: RAVEN JIN

EUT :	DP2DVI-SL	Temperature :	22℃
Model No. :	F388M	Humidity :	60%RH
Serial No. :	E2009030905	Date of Test :	Apr 08, 2009
Test Mode :	DP to DVI 1024*768@60Hz		

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	134.760	12.29	12.30	0.90	25.49	43.50	18.01
	194.900	13.00	10.51	1.07	24.58	43.50	18.92
	268.620	12.98	13.30	1.36	27.64	46.00	18.36
	526.640	7.18	18.24	2.43	27.85	46.00	18.15
	670.000	**15.90**	**19.57**	**2.91**	**38.38**	**46.00**	**7.62**
	714.820	10.98	19.85	3.12	33.95	46.00	12.05
Vertical	53.280	18.46	8.14	0.79	27.39	40.00	12.61
	84.320	15.33	8.48	0.86	24.67	40.00	15.33
	526.640	13.12	18.24	2.43	33.79	46.00	12.21
	671.170	10.47	19.57	2.95	32.99	46.00	13.01
	806.000	10.09	20.77	3.34	34.20	46.00	11.80
	939.860	**12.08**	**21.99**	**3.64**	**37.71**	**46.00**	**8.29**

TEST ENGINEER: RAVEN JIN

EUT : DP2DVI-SL Temperature : 22℃

Model No. : F388M Humidity : 60%RH

Serial No. : E2009030905 Date of Test : Apr 08, 2009

Test Mode : DP to DVI 1600*1200@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	134.760	13.61	12.30	0.90	--	26.81	43.50	16.69	QP
	268.620	13.12	13.30	1.36	--	27.78	46.00	18.22	
	485.900	10.58	17.73	2.33	--	30.64	46.00	15.36	
	540.220	13.76	18.42	2.48	--	34.66	46.00	11.34	
	672.140	16.47	19.57	2.95	--	38.99	46.00	7.01	
	702.000	**17.40**	**19.73**	**3.07**	--	**40.20**	**46.00**	**5.80**	
	1230.000	50.92	24.93	7.24	37.10	45.99	74.00	28.01	PK
	1300.000	50.73	25.18	7.58	36.94	46.55	74.00	27.45	
	1330.000	49.70	25.24	7.66	36.88	45.72	74.00	28.28	
	1945.000	45.16	27.72	9.81	35.78	46.91	74.00	27.09	
	2435.000	47.07	28.87	11.33	35.26	52.01	74.00	21.99	
	2595.000	46.77	29.31	11.60	35.12	52.56	74.00	21.44	
Vertical	**30.000**	**11.81**	**19.60**	**0.56**	--	**31.97**	**40.00**	**8.03**	QP
	53.280	20.38	8.14	0.79	--	29.31	40.00	10.69	
	403.450	14.04	16.55	2.04	--	32.63	46.00	13.37	
	526.640	17.18	18.24	2.43	--	37.85	46.00	8.15	
	671.000	14.60	19.57	2.95	--	37.12	46.00	8.88	
	809.880	13.28	20.80	3.34	--	37.42	46.00	8.58	
	1100.000	54.72	24.44	6.89	37.42	48.63	74.00	25.37	PK
	1230.000	54.36	24.93	7.24	37.10	49.43	74.00	24.57	
	1310.000	55.09	25.18	7.58	36.92	50.93	74.00	23.07	
	1600.000	52.10	26.36	8.71	36.34	50.83	74.00	23.17	
	1910.000	48.62	27.61	9.65	35.83	50.05	74.00	23.95	
	2060.000	47.96	28.01	10.19	35.63	50.53	74.00	23.47	

TEST ENGINEER: RAVEN JIN

EUT : DP2DVI-SL Temperature : 22℃

Model No. : F388M Humidity : 60%RH

Serial No. : E2009030905 Date of Test : Apr 08, 2009

Test Mode : DP to DVI 1680*1050@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	134.760	15.38	12.30	0.90	--	28.58	43.50	14.92	QP
	268.620	14.80	13.30	1.36	--	29.46	46.00	16.54	
	440.310	12.12	17.09	2.18	--	31.39	46.00	14.61	
	526.640	13.48	18.24	2.43	--	34.15	46.00	11.85	
	703.180	14.99	19.73	3.07	--	37.79	46.00	8.21	
	732.000	**17.70**	**20.04**	**3.14**	--	**40.88**	**46.00**	**5.12**	
	1195.000	52.13	24.74	7.07	37.19	46.75	74.00	27.25	PK
	1230.000	52.94	24.93	7.24	37.10	48.01	74.00	25.99	
	1295.000	53.21	25.11	7.58	36.96	48.94	74.00	25.06	
	1620.000	53.73	26.43	8.78	36.31	52.63	74.00	21.37	
	2110.000	47.88	28.12	10.29	35.58	50.71	74.00	23.29	
	2435.000	45.99	28.87	11.33	35.26	50.93	74.00	23.07	
Vertical	30.000	10.72	19.60	0.56	--	30.88	40.00	9.12	QP
	52.310	21.32	8.41	0.78	--	30.51	40.00	9.49	
	268.620	13.38	13.30	1.36	--	28.04	46.00	17.96	
	404.420	14.93	16.55	2.06	--	33.54	46.00	12.46	
	526.640	15.80	18.24	2.43	--	36.47	46.00	9.53	
	732.000	**16.00**	**20.04**	**3.14**	--	**39.18**	**46.00**	**6.82**	
	1200.000	58.70	24.80	7.07	37.17	53.40	74.00	20.60	PK
	1310.000	55.46	25.18	7.58	36.92	51.30	74.00	22.70	
	1600.000	51.90	26.36	8.71	36.34	50.63	74.00	23.37	
	1995.000	49.03	27.90	9.90	35.70	51.13	74.00	22.87	
	2270.000	46.49	28.50	10.81	35.42	50.38	74.00	23.62	
	2435.000	47.13	28.87	11.33	35.26	52.07	74.00	21.93	

TEST ENGINEER: RAVEN JIN

EUT	: DP2DVI-SL	Temperature	:	22℃	
Model No.	: F388M	Humidity	:	60%RH	
Serial No.	: E2009030905	Date of Test	:	Apr 08, 2009	
Test Mode	: DP to DVI 1920*1200@60Hz				

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	135.730	13.26	12.28	0.91	--	26.45	43.50	17.05	QP
	163.860	20.88	10.40	0.97	--	32.25	43.50	11.25	
	404.420	14.12	16.55	2.06	--	32.73	46.00	13.27	
	526.640	13.93	18.24	2.43	--	34.60	46.00	11.40	
	672.140	14.18	19.57	2.95	--	36.70	46.00	9.30	
	702.000	**17.10**	**19.73**	**3.07**	--	**39.90**	**46.00**	**6.10**	
	1105.000	50.72	24.44	6.92	37.41	44.67	74.00	29.33	PK
	1230.000	53.45	24.93	7.24	37.10	48.52	74.00	25.48	
	1295.000	52.16	25.11	7.58	36.96	47.89	74.00	26.11	
	1600.000	53.36	26.36	8.71	36.34	52.09	74.00	21.91	
	2470.000	45.34	28.96	11.44	35.23	50.51	74.00	23.49	
	2625.000	46.31	29.39	11.60	35.10	52.20	74.00	21.80	
Vertical	30.000	11.14	19.60	0.56	--	31.30	40.00	8.70	QP
	55.220	21.20	7.69	0.80	--	29.69	40.00	10.31	
	134.760	10.60	12.30	0.90	--	23.80	43.50	19.70	
	404.420	17.65	16.55	2.06	--	36.26	46.00	9.74	
	616.850	15.09	19.29	2.67	--	37.05	46.00	8.95	
	672.000	**16.00**	**19.57**	**2.95**	--	**38.52**	**46.00**	**7.48**	
	1135.000	56.52	24.56	6.98	37.34	50.72	74.00	23.28	PK
	1295.000	54.85	25.11	7.58	36.96	50.58	74.00	23.42	
	1465.000	54.95	25.79	8.26	36.60	52.40	74.00	21.60	
	1605.000	54.35	26.43	8.71	36.33	53.16	74.00	20.84	
	1995.000	47.97	27.90	9.90	35.70	50.07	74.00	23.93	
	2390.000	46.07	28.79	11.23	35.30	50.79	74.00	23.21	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.