APPLICATION FOR CERTIFICATION
On Behalf of

PDI Communication System, Inc.

Healthcare TV

Model Number: PDI-P40LCDD

FCC ID: WQ5P40LCDD

Prepared for : PDI Communication System, Inc.
40 Greenwood Lane, Springboro Ohio 45066, Ohio, USA

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
Nantou, Shenzhen, Guangdong, China

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Report Number	:	ACS-F08413
Date of Test	:	Sep.26~27, 2008
Date of Report	:	Oct.09, 2008

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TEST REPORT CERTIFICATION

Applicant	:	PDI Communication System, Inc.
Manufacturer	:	PDI Communication System, Inc.
EUT Description	:	Healthcare TV
FCC ID	:	WQ5P40LCDD

(A) MODEL NO. : PDI-P40LCDD

(B) SERIAL NO. : N/A

(C) POWER SUPPLY : 100-240Vac 50/60Hz 280W max

(D) TESE VOTALGE : AC 120V/60Hz

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart B Class B 2007, ANSI C63.4-2003

The device described above is tested by Audix Technology (Shenzhen) 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 limits for radiated and conducted emissions. The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of tests. Also, this report shows that EUT is technically compliant with FCC requirements.

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

Date of Test : Sep.26~27, 2008

Prepared by : YoYo Wang

YoYo Wang / Assistant

Reviewer : Jamy Yu

Jamy Yu / Senior Engineer

Approved & Authorized Signer : Ken Lu

Ken Lu / Deputy Manager

AUDIX 佳爵科技(深圳)有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report
Signature: Ken Lu 10/9 08

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.

EMISSION			
Description of Test Item	**Standard**	**Limits**	**Results**
Power Line Conducted Emission Test	FCC Part 15: 2007 ANSI C63.4: 2003	Class B	PASS
Radiated Emission Test	FCC Part 15: 2007 ANSI C63.4: 2003	Class B	PASS

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Description	:	Healthcare TV
Model Number	:	PDI-P40LCDD
FCC ID	:	WQ5P40LCDD (See Note)
Applicant	:	PDI Communication System, Inc. 40 Greenwood Lane, Springboro Ohio 45066, Ohio, USA
Manufacturer	:	PDI Communication System, Inc. 40 Greenwood Lane, Springboro Ohio 45066, Ohio, USA
Remote-control	:	PDI, M/N: PD108-427
Power Cord	:	Unshielded, Detachable, 1.0m
External functional module	:	Malata, M/N: DM-601
Date of Test	:	Sep.26~27, 2008
Date of Receipt	:	Sep.22, 2008
Sample Type	:	Series production

Note: This product is a LCD TV and have LCD PC monitor function, this report is only tested for PC monitor function. For other functions have been tested and reported in other test report, and the report number is: ACS-F08416.

2.2. Tested Supporting System Details

2.2.1. PC

EMC CODE	:	Test PC G
M/N	:	AG017PA#AB2
S/N	:	CN5470G18
Manufacturer	:	HP
Power cord	:	Unshielded, detachabled , 1.8m
FCC ID	:	By DoC
BSMI ID	:	R33001

2.2.2. Keyboard

EMC CODE	:	ACS-EMC-K12R
M/N	:	SK-8115
S/N	:	CN-ODJ313-71616-711-04WJ
Manufacturer	:	DELL
Data Cable	:	Shielded, Undetachabled, 2.0m
FCC ID	:	By DoC
BSMI ID	:	T3A002

2.2.3. Mouse

EMC CODE	:	ACS-EMC-M11R
M/N	:	MO56UOA
S/N	:	G010200
Manufacturer	:	DELL
Data Cable	:	Shielded, Undetachabled, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R41108

2.2.4. Printer

EMC CODE	:	ACS-EMC-PT01
M/N	:	2225C
Manufacturer	:	HP
Data Cable	:	Shielded, Detachabled, 1.5m
Power Cord	:	Unshielded, Detachabled, 1.8m
FCC ID	:	BS46XU2225C

2.2.5. Modem

EMC CODE	:	ACS-EMC-MD01
M/N	:	1414
S/N	:	980013578
Manufacturer	:	ACEEX
Data Cable	:	Shielded, Detachabled, 1.5m
Power Adaptor	:	Unshielded, Detachabled, 1.6m Add one core
Adaptor Manufacturer	:	TGL
Adaptor Model No	:	MDE130100TH
FCC ID	:	IFAXDM1414

2.2.6. Cables

VGA Cable	:	Shielded, Detachable, 1.8m (Bond two ferrite cores)
HDMI Cable	:	Unshield,Detachable;1.5m
Audio Cable	:	Unshield, Detachable, 1.8m

2.3.Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China
3m Anechoic Chamber	:	Jun. 13, 2006 File on Federal Communication Commission Registration Number: 90454
3m & 10m Anechoic Chamber	:	Jan. 31, 2007 File on Federal Communication Commission Registration Number: 794232
EMC Lab.	:	Accredited by DATech, German Registration Number: DAT-P-091/99-01 Dec. 20, 2007 Accredited by NVLAP, USA NVLAP Code: 200372-0 Apr.01, 2008

2.4.Measurement Uncertainty

No.	Item	MU	Remark
1	Uncertainty for Conducted Emission Test	2.02dB	
2	Uncertainty for Radiation Emission test in 3m chamber	3.44 dB	Polarize: V
		3.96 dB	Polarize: H
3	Uncertainty for Radiation Emission test in 10m chamber	3.86dB	Distance: 10m Polarize: V
		4.18dB	Distance: 10m Polarize: H
		4.02dB	Distance: 3m Polarize: V
		4.36dB	Distance: 3m Polarize: H

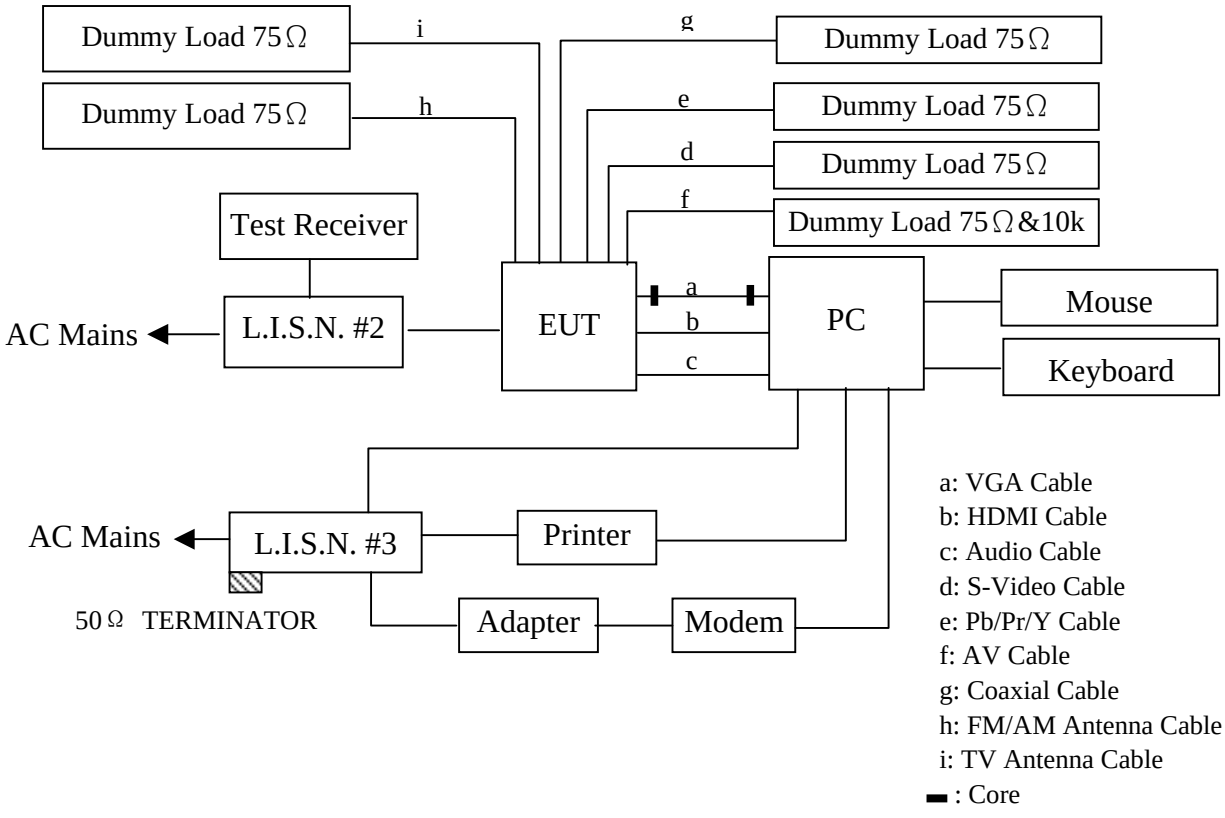
3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Dec.19, 07	1 Year
2.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May 10,08	1 Year
3.	L.I.S.N.#3	EMCO	3825/2	9006-1660	May 10,08	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May 10,08	1 Year
5.	RF Cable	Fujikura	3D-2W	LISN Cable 1#	Jul.08, 08	1/2 Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	Jul.08, 08	1/2 Year
7.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100340	Jul.08, 08	1/2 Year

3.2.Block Diagram of Test Setup

3.2.1.Block diagram of connection between the EUT and simulators



(EUT: Healthcare TV)

3.3.Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1.Healthcare TV (EUT)

Model Number : PDI-P40LCDD
Serial Number : N/A

3.4.2.Support Equipment : As Tested Supporting System Detail, in Section 2.2.

3.5.Operating Condition of EUT

3.5.1.Setup the EUT and simulator as shown as Section 3.2.

3.5.2.Turn on the power of all equipment.

3.5.3.Set the contrast control to maximum. Set the brightness control to maximum. Use white letters on a black background to represent all colors.

3.5.4.Let the EUT worked in test mode (PC Mode 640*480 60Hz / PC Mode 800*600 60Hz / PC Mode 1024*768 60Hz / HDMI Mode) and measured it.

3.5.5.PC system ran the Self-test program “EMC Test. exe” by windows XP and sent “H” Character to EUT through VGA/HDMI/Audio card, and displayed “H” pattern and played 1kHz audio signal from the PC through VGA/HDMI/Audio cable

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

3.6.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. #2). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2003 on conducted Emission test.

The bandwidth of the R&S Test Receiver ESHS10 was set at 10kHz.

The frequency range from 150kHz to 30MHz was checked using a peak detector.

The all reading of measurement was with the Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

EUT: Healthcare TV Model No. : PDI-P40LCDD

Test Date: Sep.26~27, 2008 Temperature: 29.5℃ Humidity: 55%

The details of test modes are as follow:

No.	Test Mode	Reference Test Data No.	
		VA	VB
1.	PC Mode 640*480 60Hz	#34	#33
2.	PC Mode 800*600 60Hz	#35	#36
3.	PC Mode 1024*768 60Hz	#38	#37
4. ※	**HDMI Mode**	**#6**	**#5**

(※ Worst test mode)

3.7.Power Line Conducted Emission Test Results

PASSED

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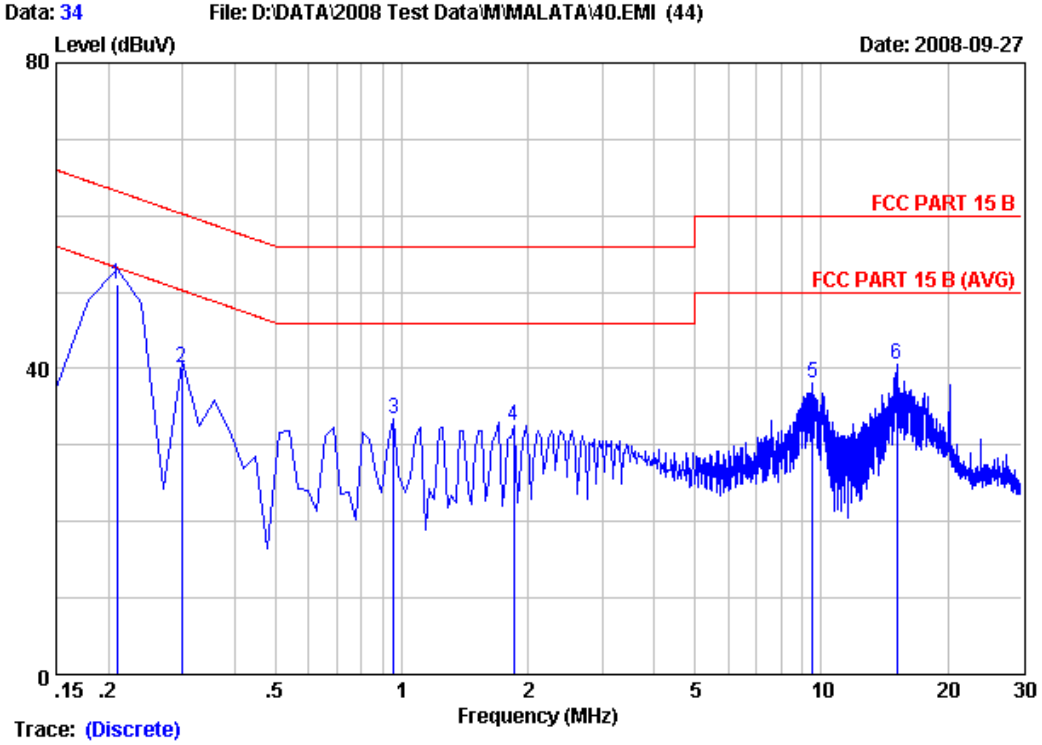

Site no :Audix No.1 Conduction Data no :34
Dis./Ant. :-- KNW407 1# VA LISN phase:
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10 Engineer :Sunny
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :PC MODE
Memo :640*480@60Hz
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.21	0.29	10.15	40.63	51.07	63.22	12.15	QP
2	0.30	0.26	10.15	29.64	40.05	60.26	20.21	QP
3	0.96	0.11	10.15	23.20	33.46	56.00	22.54	QP
4	1.85	0.10	10.15	22.23	32.48	56.00	23.52	QP
5	9.52	0.20	10.25	27.67	38.12	60.00	21.88	QP
6	15.10	0.30	10.28	30.02	40.60	60.00	19.40	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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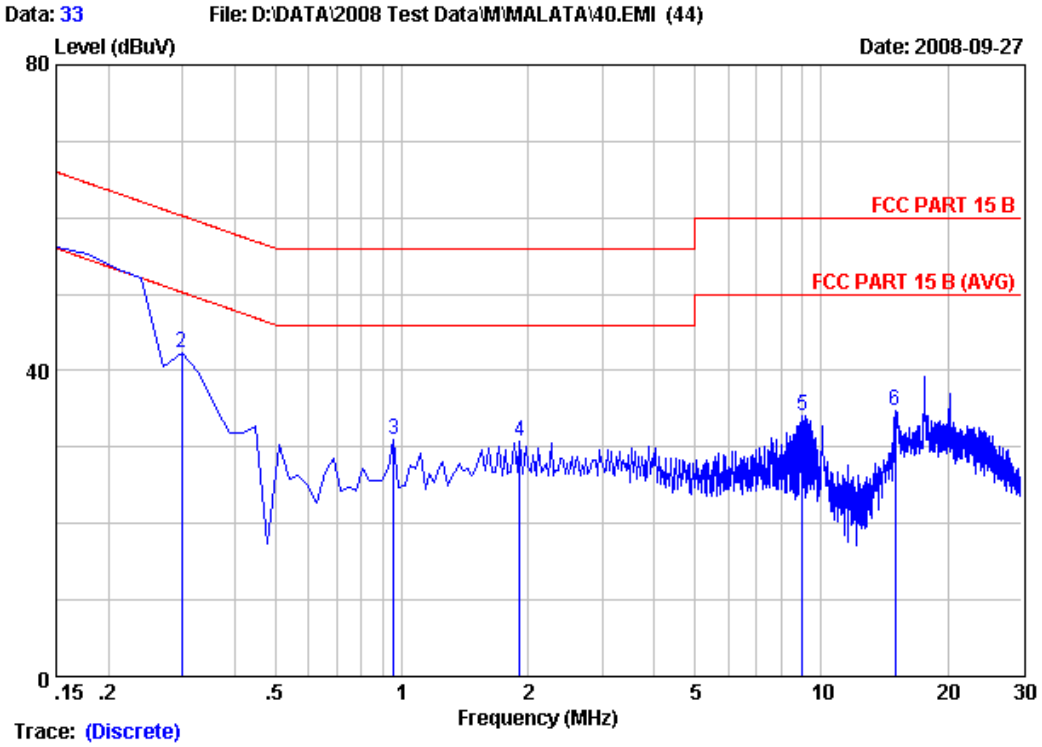

Site no :Audix No.1 Conduction Data no :33
Dis./Ant. :-- KNW407 1# VB LISN phase:
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10 Engineer :Sunny
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :PC MODE
Memo :640*480@60Hz
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15	0.24	10.15	42.81	53.20	66.00	12.80	QP
2	0.30	0.14	10.15	32.15	42.44	60.26	17.82	QP
3	0.96	0.10	10.15	20.81	31.06	56.00	24.94	QP
4	1.91	0.03	10.15	20.62	30.80	56.00	25.20	QP
5	9.02	0.09	10.24	23.76	34.09	60.00	25.91	QP
6	15.02	0.26	10.28	24.28	34.82	60.00	25.18	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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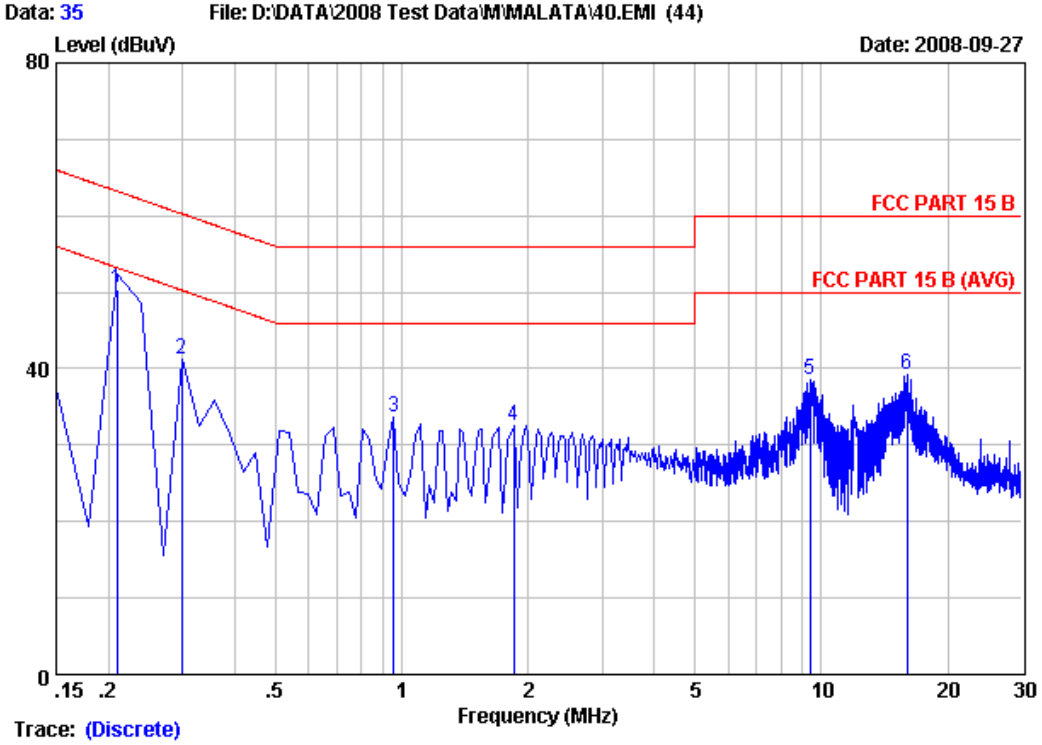

Site no :Audix No.1 Conduction
Dis./Ant. :-- KNW407 1# VA
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :PC MODE
Memo :800*600@60Hz
:

Data no :35
LISN phase:
Engineer :Sunny

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.21	0.29	10.15	39.84	50.28	63.22	12.94	QP
2	0.30	0.26	10.15	30.74	41.15	60.26	19.11	QP
3	0.96	0.11	10.15	23.48	33.74	56.00	22.26	QP
4	1.85	0.10	10.15	22.39	32.64	56.00	23.36	QP
5	9.37	0.20	10.24	28.09	38.53	60.00	21.47	QP
6	15.97	0.33	10.30	28.49	39.12	60.00	20.88	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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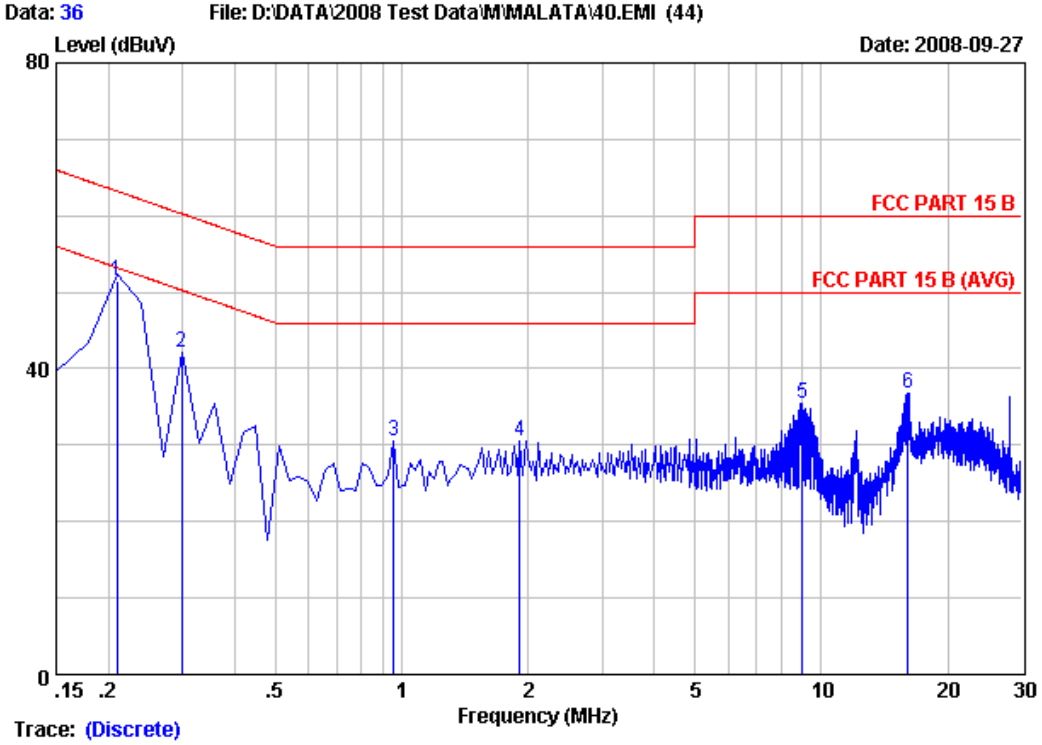

Site no :Audix No.1 Conduction Data no :36
Dis./Ant. :-- KNW407 1# VB LISN phase:
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10 Engineer :Sunny
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :PC MODE
Memo :800*600@60Hz
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.21	0.11	10.15	41.18	51.44	63.22	11.78	QP
2	0.30	0.14	10.15	31.79	42.08	60.26	18.18	QP
3	0.96	0.10	10.15	20.24	30.49	56.00	25.51	QP
4	1.91	0.03	10.15	20.41	30.59	56.00	25.41	QP
5	9.02	0.09	10.24	25.10	35.43	60.00	24.57	QP
6	16.09	0.30	10.31	26.26	36.87	60.00	23.13	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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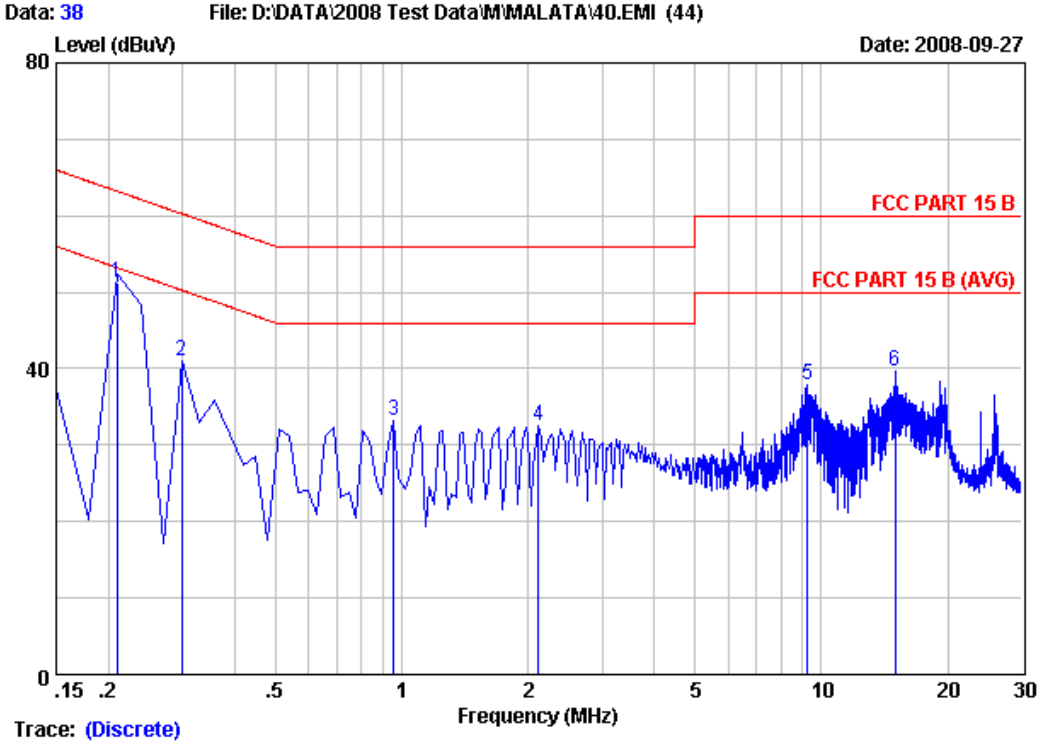

Site no :Audix No.1 Conduction Data no :38
Dis./Ant. :-- KNW407 1# VA LISN phase:
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10 Engineer :Sunny
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :PC MODE
Memo :1024*768@60Hz
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.21	0.29	10.15	40.84	51.28	63.22	11.94	QP
2	0.30	0.26	10.15	30.53	40.94	60.26	19.32	QP
3	0.96	0.11	10.15	23.04	33.30	56.00	22.70	QP
4	2.12	0.10	10.15	22.39	32.64	56.00	23.36	QP
5	9.28	0.20	10.24	27.41	37.85	60.00	22.15	QP
6	14.99	0.30	10.28	29.06	39.64	60.00	20.36	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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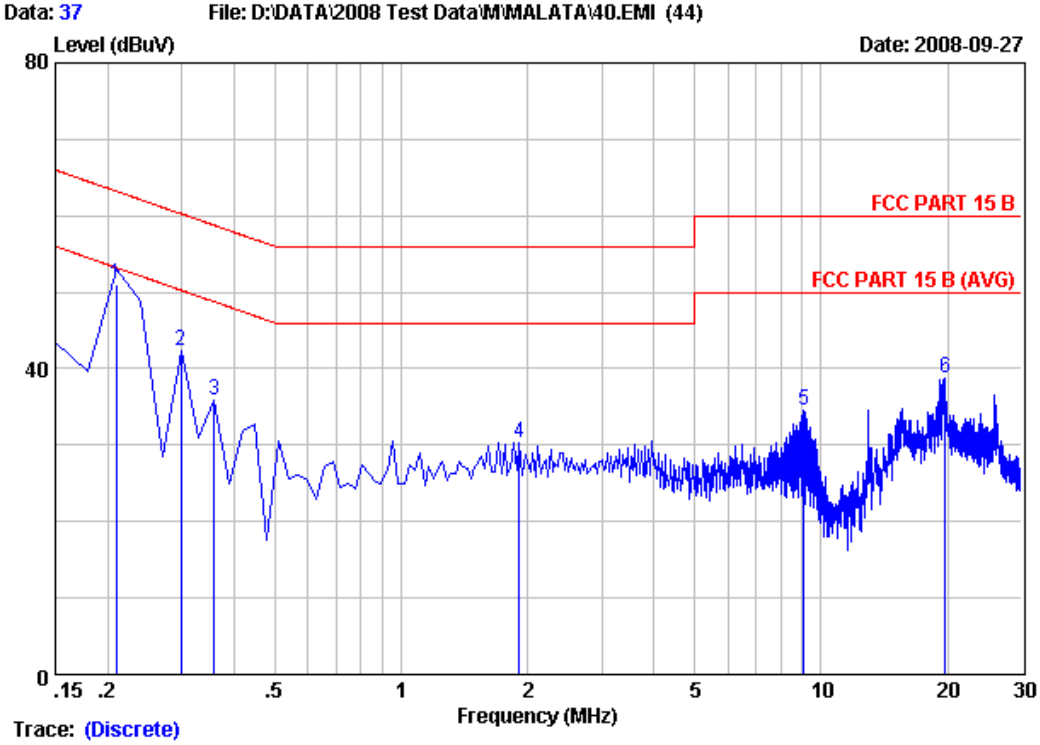

Site no :Audix No.1 Conduction Data no :37
Dis./Ant. :-- KNW407 1# VB LISN phase:
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10 Engineer :Sunny
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :PC MODE
Memo :1024*768@60Hz
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.21	0.11	10.15	40.80	51.06	63.22	12.16	QP
2	0.30	0.14	10.15	31.95	42.24	60.26	18.02	QP
3	0.36	0.16	10.14	25.55	35.85	58.75	22.90	QP
4	1.91	0.03	10.15	20.19	30.37	56.00	25.63	QP
5	9.08	0.09	10.24	24.24	34.57	60.00	25.43	QP
6	19.79	0.41	10.39	27.88	38.68	60.00	21.32	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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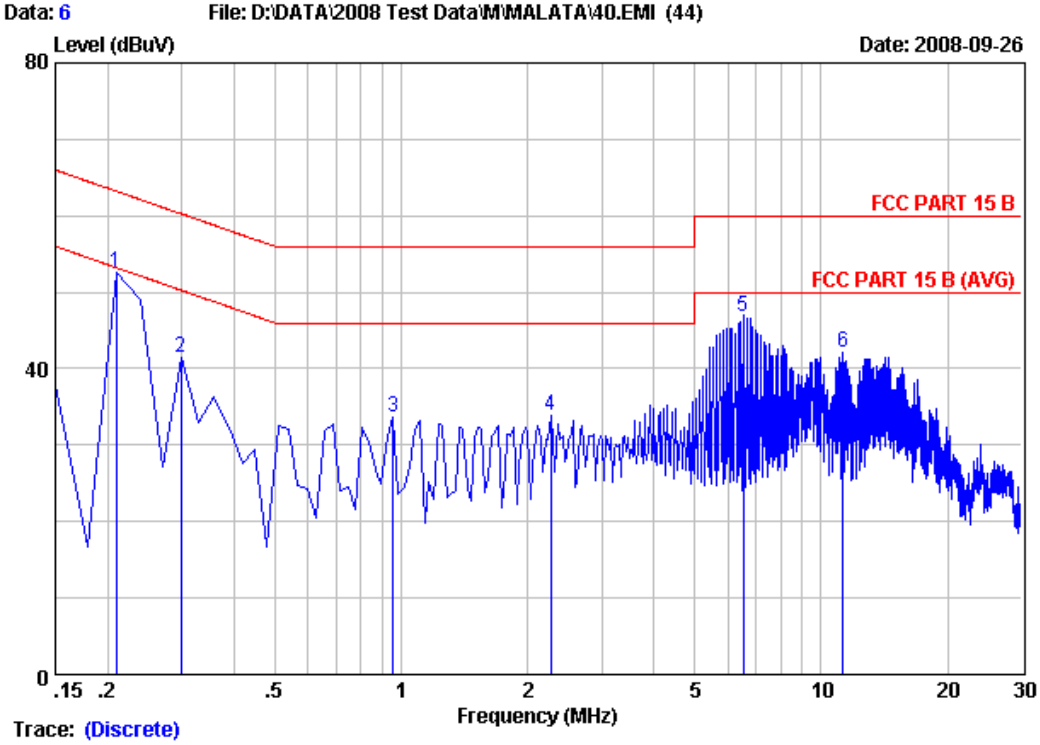

Site no :Audix No.1 Conduction
Dis./Ant. :-- KNW407 1# VA
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :HDMI MODE
Memo :
:

Data no :6
LISN phase:
Engineer :Sunny

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.21	0.29	10.15	42.21	52.65	63.22	10.57	QP
2	0.30	0.26	10.15	31.06	41.47	60.26	18.79	QP
3	0.96	0.11	10.15	23.36	33.62	56.00	22.38	QP
4	2.27	0.10	10.16	23.61	33.87	56.00	22.13	QP
5	6.54	0.18	10.21	36.30	46.69	60.00	13.31	QP
6	11.28	0.23	10.26	31.52	42.01	60.00	17.99	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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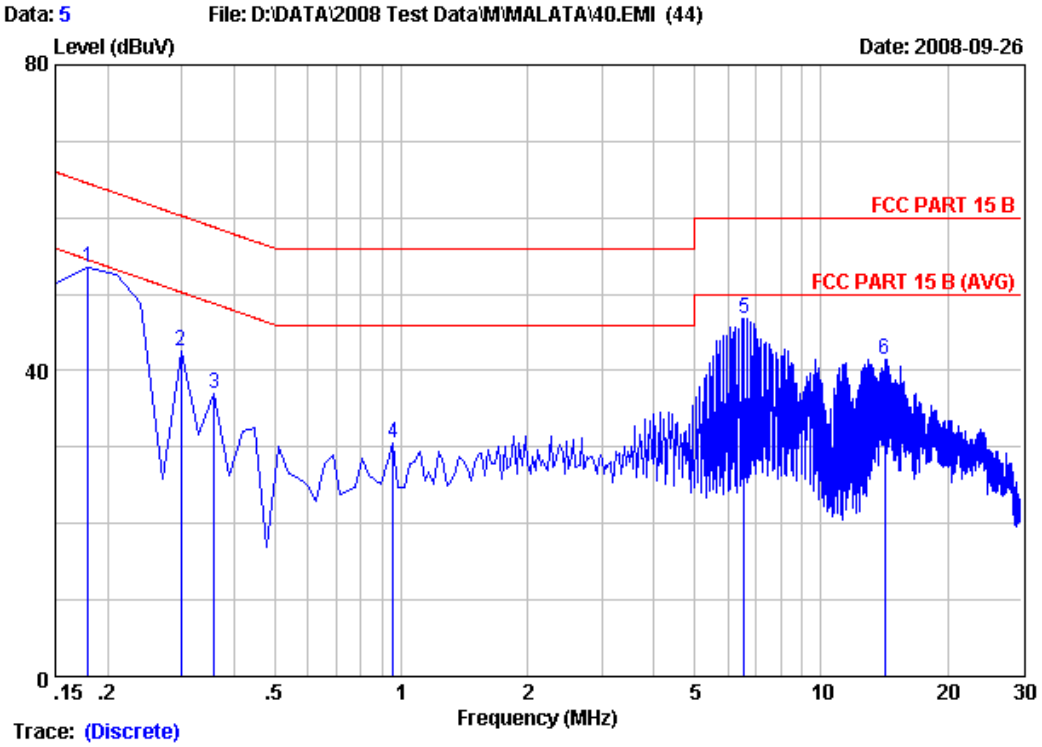


Site no :Audix No.1 Conduction Data no :5
Dis./Ant. :-- KNW407 1# VB LISN phase:
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% ESHS 10 Engineer :Sunny
EUT :Healthcare TV M/N:PDI-P40LCDD
Power Rating :AC 120V/60Hz
Test Mode :HDMI MODE
Memo :
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.18	0.15	10.15	43.17	53.47	64.49	11.02	QP
2	0.30	0.14	10.15	32.19	42.48	60.26	17.78	QP
3	0.36	0.16	10.14	26.67	36.97	58.75	21.78	QP
4	0.96	0.10	10.15	20.37	30.62	56.00	25.38	QP
5	6.57	0.06	10.21	36.63	46.90	60.00	13.10	QP
6	14.15	0.24	10.28	30.87	41.39	60.00	18.61	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

4. RADIATED EMISSION TEST

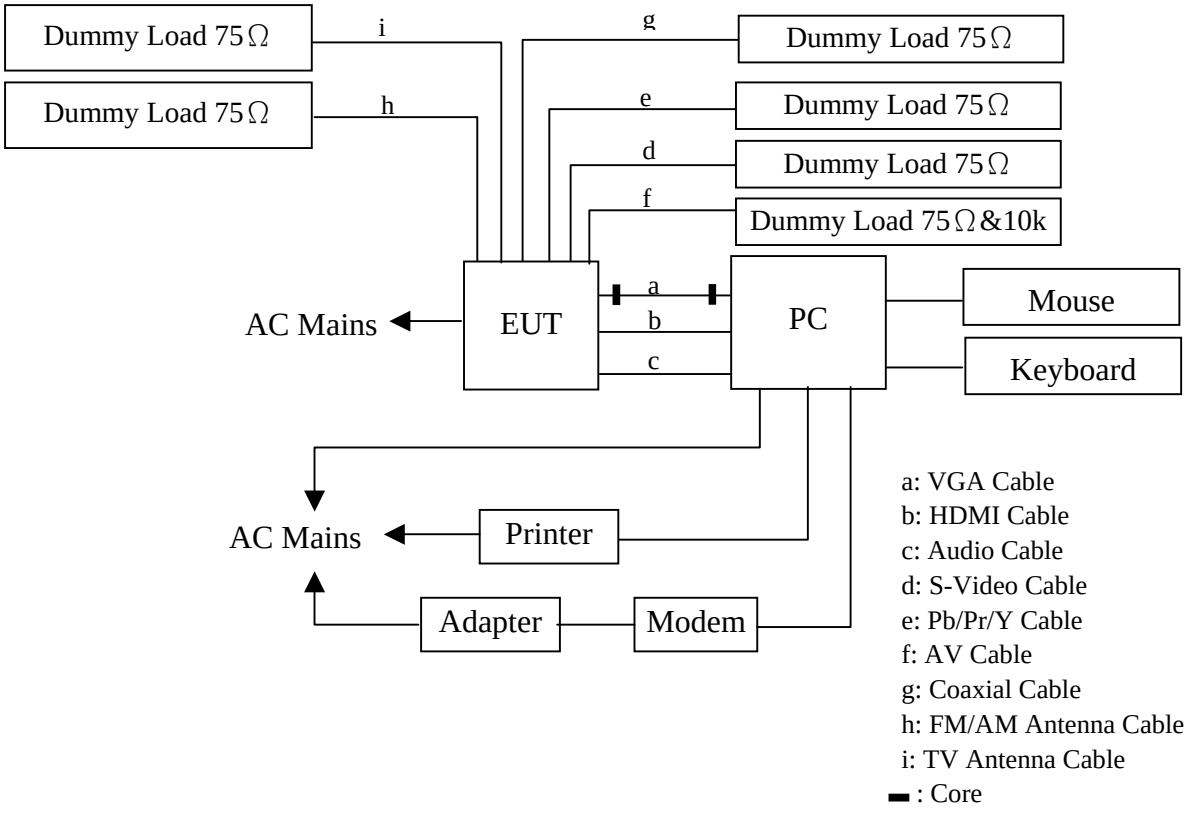
4.1.Test Equipment

The following test equipments are used during the radiated emission test:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Jun.09,08	1/2 Year
2.	EMI Spectrum	Agilent	E7403A	MY42000106	May 10, 08	1 Year
3.	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	May 10, 08	1 Year
4.	Amplifier	HP	8447D	2648A04738	Jul.08.08	1/2 Year
5.	Bilog Antenna	Schaffner	CBL6112D	25237	Feb.21, 08	1 Year
6.	RF Cable	JINGCHENG	KLMR400	3# Chamber No.1	Jul.08.08	1/2 Year
7.	RF Cable	JINGCHENG	JBY400	3# Chamber No.2	Jul.08.08	1/2 Year
8.	RF Cable	JINGCHENG	JBY400	3# Chamber No.3	Jul.08.08	1/2 Year
9.	RF Cable	JINGCHENG	JBY400	3# Chamber No.4	Jul.08.08	1/2 Year
10.	Coaxial Switch	Anritsu	MP59B	M73989	Jul.08.08	1/2 Year

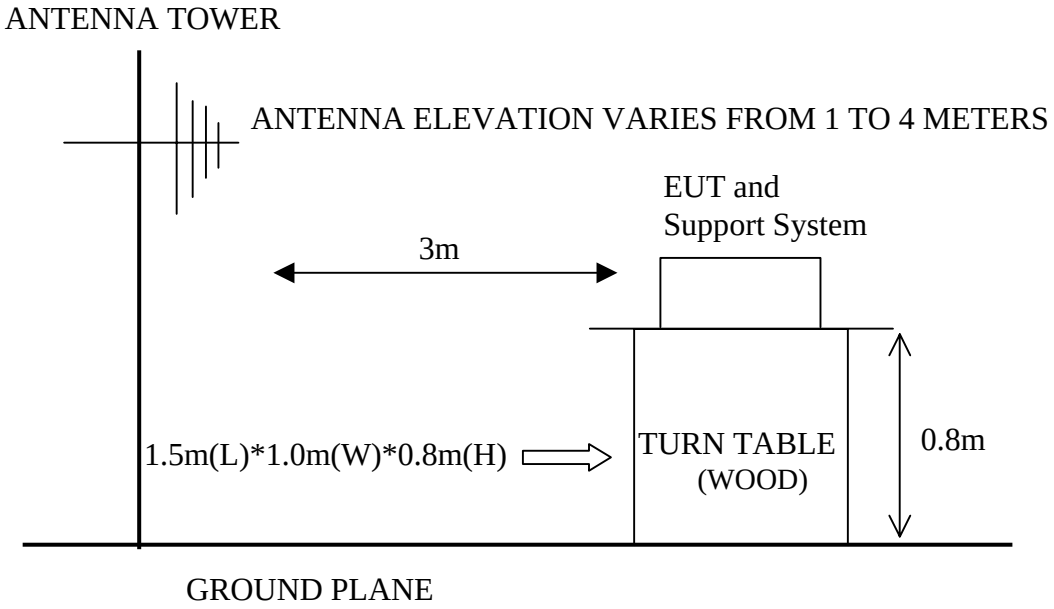
4.2.Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and simulators



(EUT: Healthcare TV)

4.2.2.In Anechoic Chamber



4.3.Radiated Emission Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

Remark： (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.4.EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4.1. Healthcare TV (EUT)

Model Number : PDI-P40LCDD
Serial Number : N/A

4.4.2.Support Equipment ： As Tested Supporting System Detail, in Section 2.2.

4.5.Operating Condition of EUT

4.5.1.Setup the EUT and simulator as shown as Section 4.2.

4.5.2.Turn on the power of all equipment.

4.5.3.Set the contrast control to maximum. Set the brightness control to maximum. Use white letters on a black background to represent all colors.

4.5.4.Let the EUT worked in test mode (PC Mode 640*480 60Hz / PC Mode 800*600 60Hz / PC Mode 1024*768 60Hz / HDMI Mode) and measured it.

4.5.5.PC system ran the Self-test program “EMC Test. exe” by windows XP and sent “H” Character to EUT through VGA/HDMI/Audio card, and displayed “H” pattern and played 1kHz audio signal from the PC through VGA/HDMI/Audio cable

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

4.6.Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2003 on Radiated Emission test.

The bandwidth of the R&S Test Receiver ESVS20 was set at 120kHz. (For 30MHz to 1000MHz)

The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values.

For frequency range 30MHz~1000MHz, EUT with the following test modes were measured within Anechoic Chamber and all the scanning waveform were on section 4.7, which include：

Test Date: Sep.27, 2008 Temperature: 24℃ Humidity: 56%

The details of test modes are as follows：

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	PC Mode 640*480 60Hz	#43	#44
2.	PC Mode 800*600 60Hz	#41	#42
3.	PC Mode 1024*768 60Hz	#39	#40
4. ※	**HDMI Mode**	**#13**	**#14**

(※ Worst test mode)

4.7.Radiated Emission Test Results

PASSED

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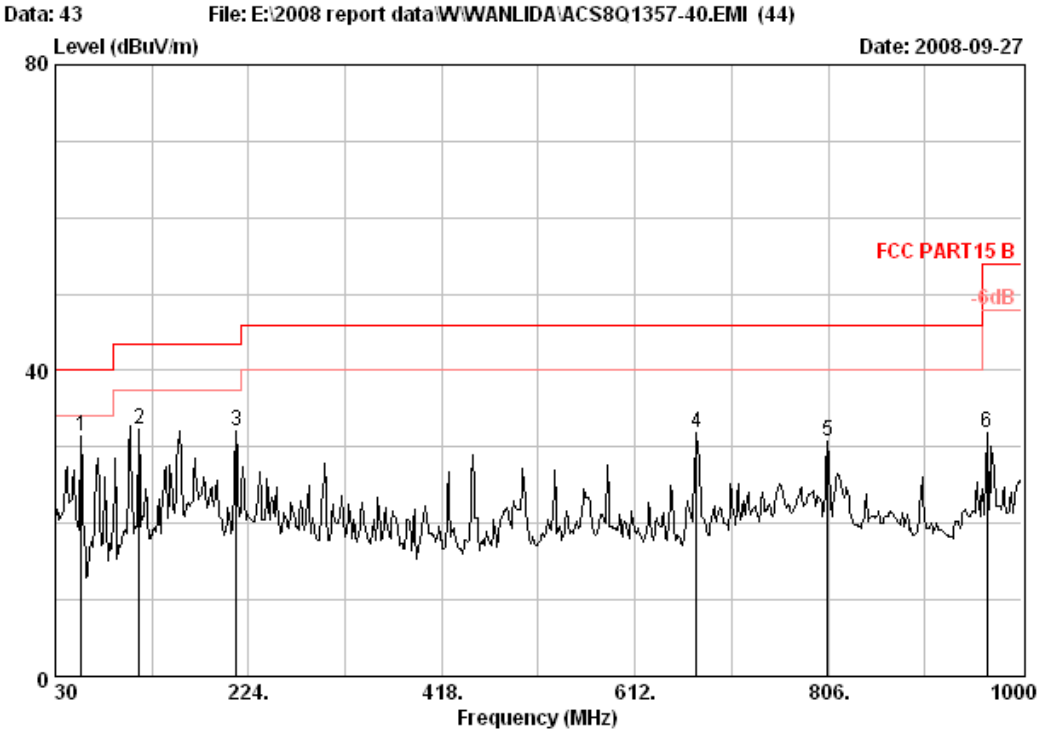

Site no. : 3# Chamber Data no. : 43
Dis. / Ant. : 3m CBL6112D Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : PC MODE
Memo : 640*480@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	56.19	6.30	0.90	24.19	31.39	40.00	8.61	QP
2	114.39	10.83	1.06	20.42	32.31	43.50	11.19	QP
3	211.39	8.57	1.37	22.16	32.10	43.50	11.40	QP
4	674.08	17.34	2.42	12.11	31.87	46.00	14.13	QP
5	805.03	18.47	2.71	9.53	30.71	46.00	15.29	QP
6	965.08	19.78	2.68	9.45	31.91	54.00	22.09	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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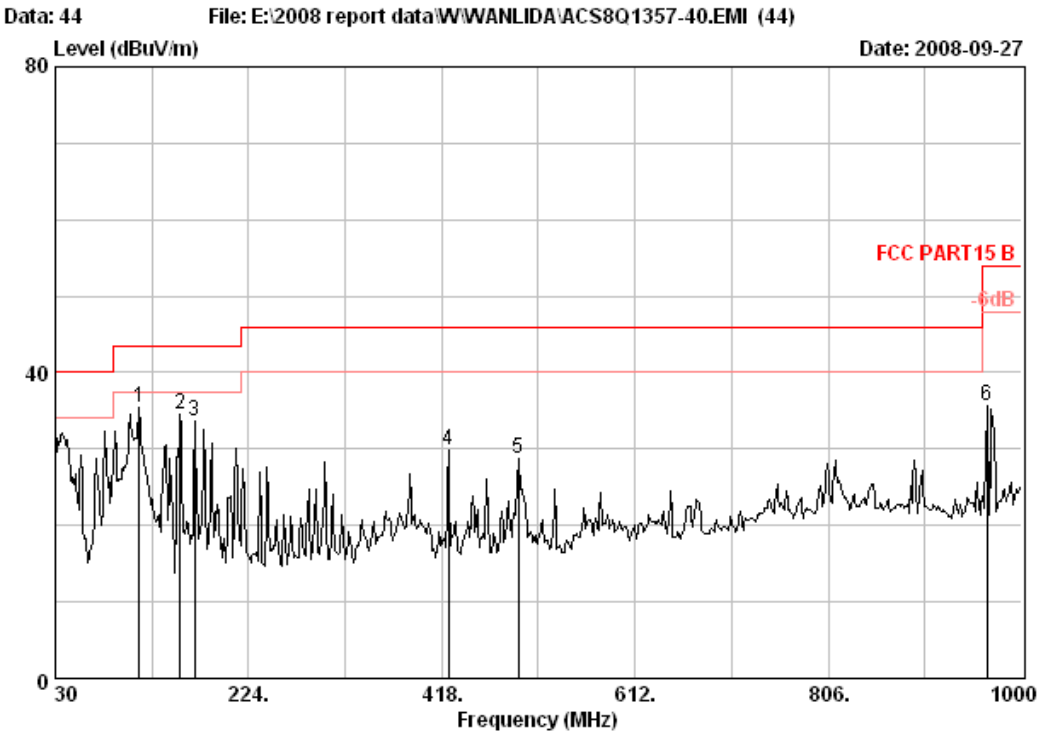

Site no. : 3# Chamber Data no. : 44
Dis. / Ant. : 3m CBL6112D Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : PC MODE
Memo : 640*480@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	114.39	10.83	1.06	23.61	35.50	43.50	8.00	QP
2	155.13	8.83	1.20	24.56	34.59	43.50	8.91	QP
3	169.68	8.46	1.25	23.96	33.67	43.50	9.83	QP
4	424.79	14.97	1.85	13.00	29.82	46.00	16.18	QP
5	494.63	15.64	2.01	11.09	28.74	46.00	17.26	QP
6	965.08	19.78	2.68	13.13	35.59	54.00	18.41	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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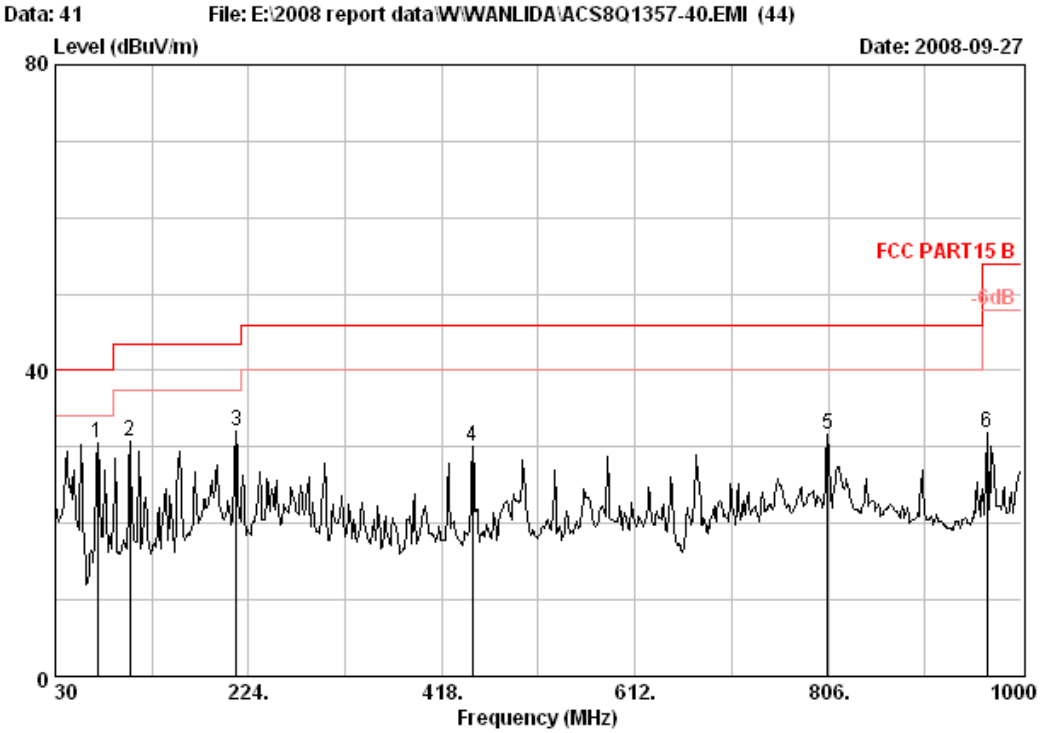

Site no. : 3# Chamber Data no. : 41
Dis. / Ant. : 3m CBL6112D Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : PC MODE
Memo : 800*600@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	72.68	5.03	0.92	24.47	30.42	40.00	9.58	QP
2	104.69	9.97	1.11	19.72	30.80	43.50	12.70	QP
3	211.39	8.57	1.37	22.16	32.10	43.50	11.40	QP
4	449.04	14.94	2.01	13.05	30.00	46.00	16.00	QP
5	805.03	18.47	2.71	10.53	31.71	46.00	14.29	QP
6	965.08	19.78	2.68	9.45	31.91	54.00	22.09	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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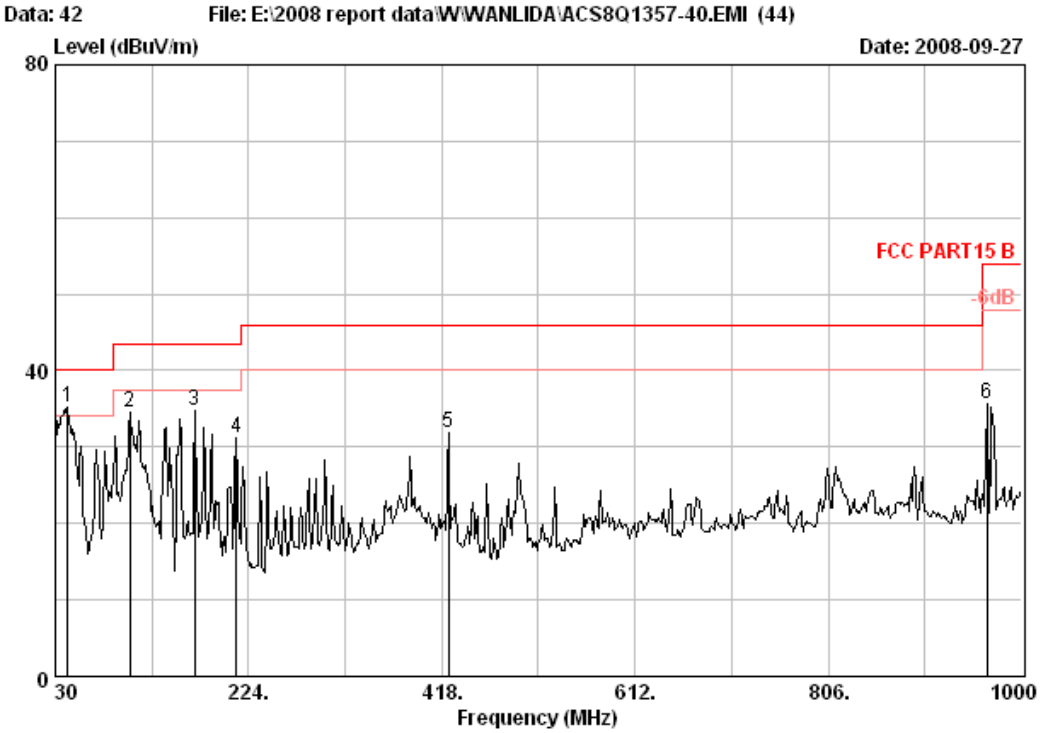

Site no. : 3# Chamber Data no. : 42
Dis. / Ant. : 3m CBL6112D Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : PC MODE
Memo : 800*600@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	42.61	11.67	0.79	22.69	35.15	40.00	4.85	QP
2	104.69	9.97	1.11	23.40	34.48	43.50	9.02	QP
3	169.68	8.46	1.25	24.96	34.67	43.50	8.83	QP
4	211.39	8.57	1.37	21.20	31.14	43.50	12.36	QP
5	424.79	14.97	1.85	15.00	31.82	46.00	14.18	QP
6	965.08	19.78	2.68	13.13	35.59	54.00	18.41	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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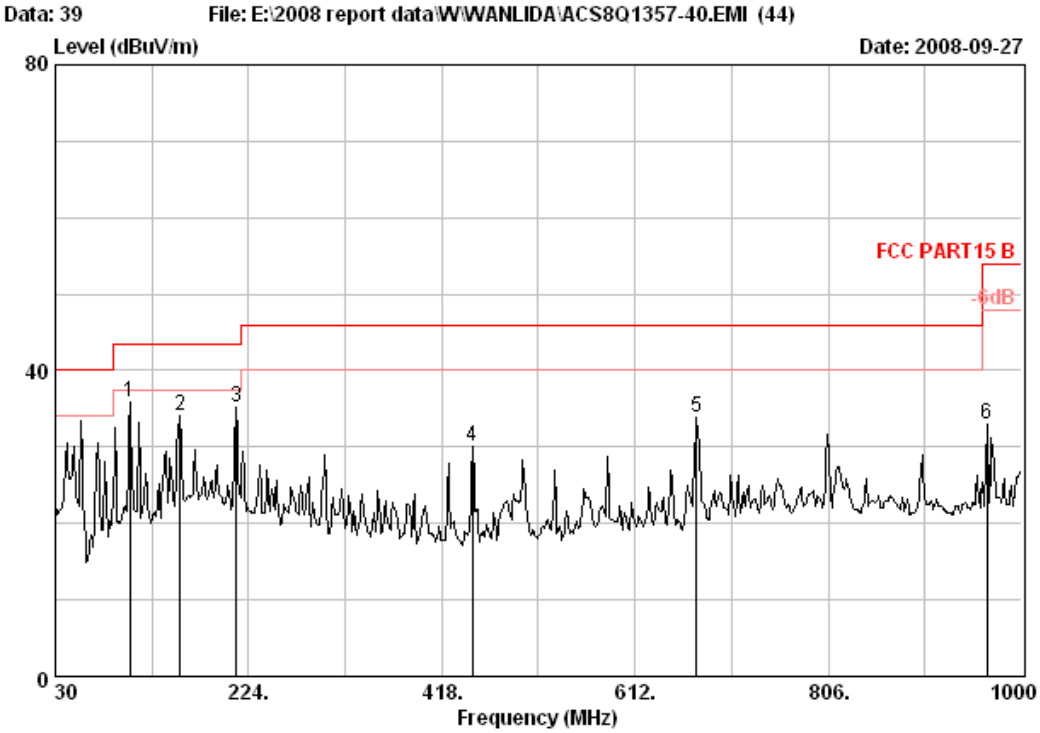

Site no. : 3# Chamber Data no. : 39
Dis. / Ant. : 3m CBL6112D Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : PC MODE
Memo : 1024*768@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	104.69	9.97	1.11	24.72	35.80	43.50	7.70	QP
2	155.13	8.83	1.20	23.98	34.01	43.50	9.49	QP
3	211.39	8.57	1.37	25.16	35.10	43.50	8.40	QP
4	449.04	14.94	2.01	13.05	30.00	46.00	16.00	QP
5	674.08	17.34	2.42	14.11	33.87	46.00	12.13	QP
6	965.08	19.78	2.68	10.45	32.91	54.00	21.09	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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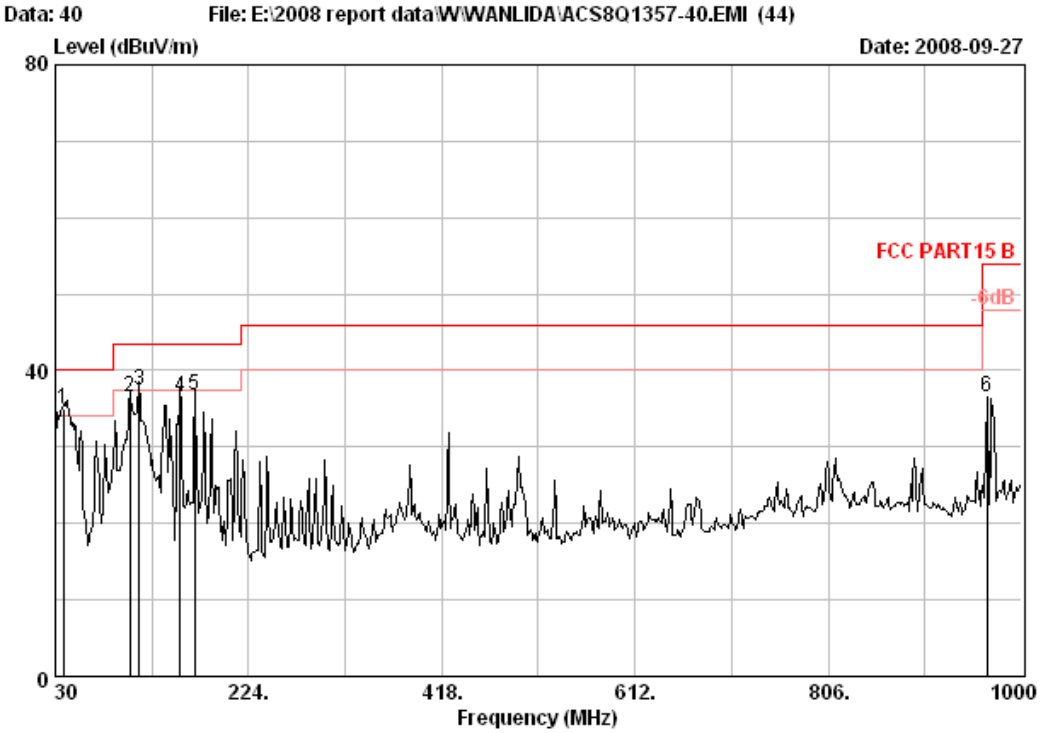

Site no. : 3# Chamber Data no. : 40
Dis. / Ant. : 3m CBL6112D Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : PC MODE
Memo : 1024*768@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	38.20	14.37	0.74	19.80	34.91	40.00	5.09	QP
2	104.69	9.97	1.11	25.40	36.48	43.50	7.02	QP
3	114.39	10.83	1.06	25.61	37.50	43.50	6.00	QP
4	155.13	8.83	1.20	26.56	36.59	43.50	6.91	QP
5	169.68	8.46	1.25	26.96	36.67	43.50	6.83	QP
6	965.08	19.78	2.68	14.13	36.59	54.00	17.41	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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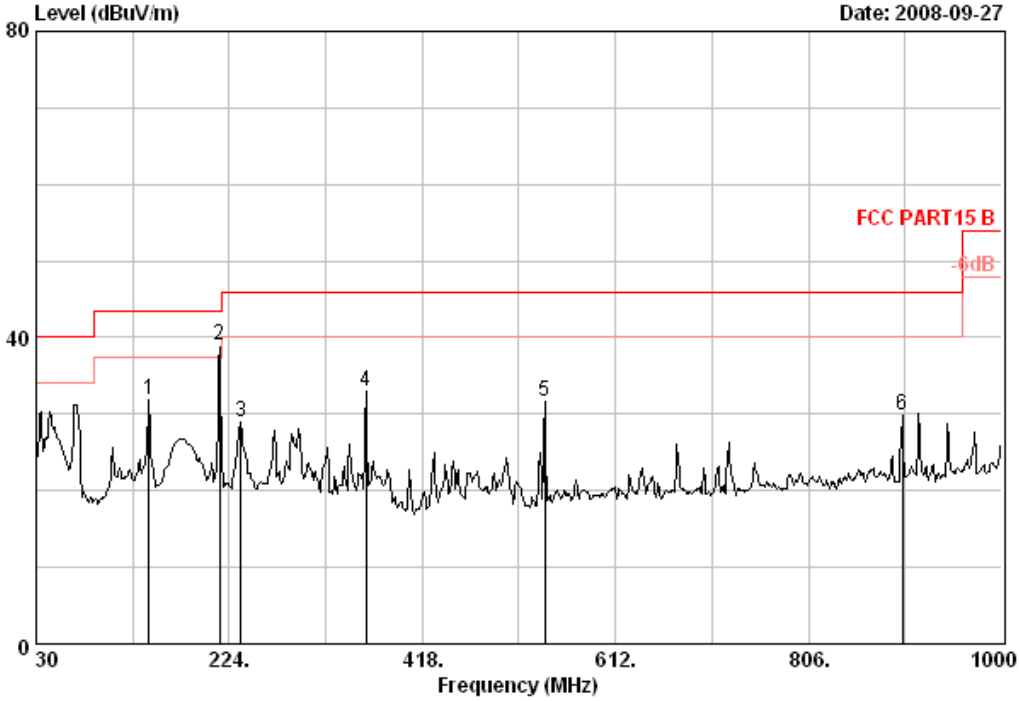

Site no. : 3# Chamber Data no. : 13
Dis. / Ant. : 3m CBL6112D Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : HDMI
Memo :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	143.49	10.13	1.16	20.62	31.91	43.50	11.59	QP
2	214.70	8.56	1.41	29.00	38.97	43.50	4.53	QP
3	235.64	9.64	1.44	17.96	29.04	46.00	16.96	QP
4	361.74	13.39	1.76	17.94	33.09	46.00	12.91	QP
5	541.19	16.22	2.09	13.44	31.75	46.00	14.25	QP
6	900.09	19.16	2.52	8.15	29.83	46.00	16.17	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. **The worst emission was detected at 214.70MHz with corrected signal level of 38.79dBμV/m (Limit is 43.50dBμV/m) when the antenna was at horizontal polarization and at 1.8m high and the turntable was at 322°.**
4. **0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.**

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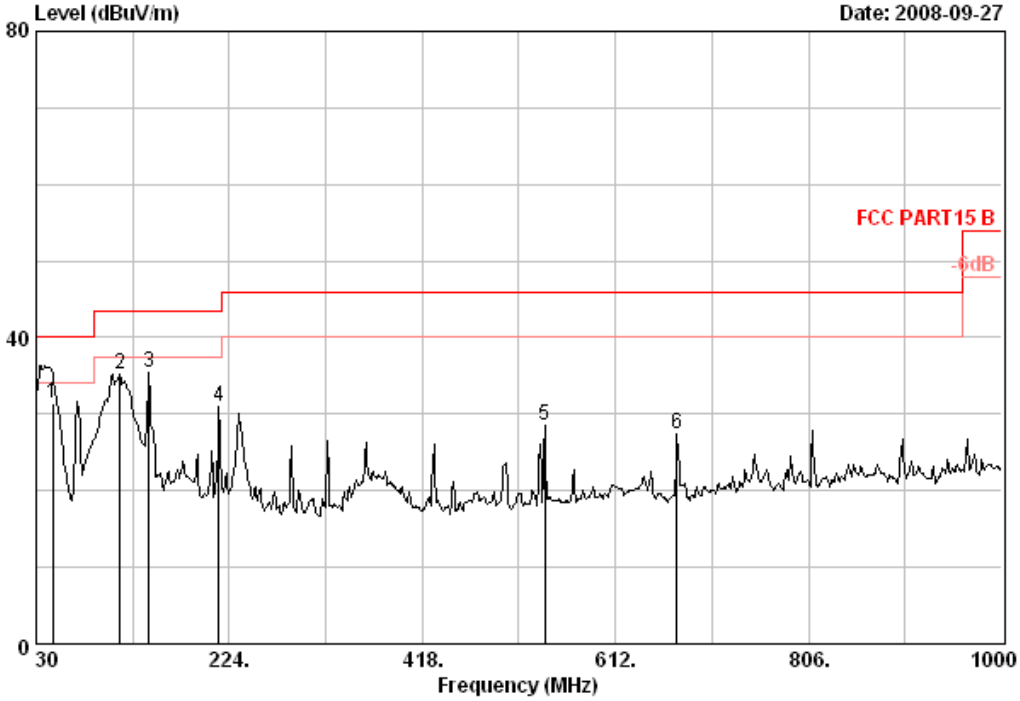

Site no. : 3# Chamber Data no. : 14
Dis. / Ant. : 3m CBL6112D Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS10 Engineer : Jolly
EUT : Healthcare TV M/N:PDI-P40LCDD
Power Rating: AC 120V/60Hz
Test Mode : HDMI
Memo :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	46.80	9.50	0.84	21.10	31.44	40.00	8.56	QP
2	114.39	10.83	1.06	23.31	35.20	43.50	8.30	QP
3	143.49	10.13	1.16	24.24	35.53	43.50	7.97	QP
4	213.33	8.56	1.42	21.02	31.00	43.50	12.50	QP
5	541.19	16.22	2.09	10.22	28.53	46.00	17.47	QP
6	674.08	17.34	2.42	7.72	27.48	46.00	18.52	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. **The worst emission was detected at 143.49MHz with corrected signal level of 35.53dBμV/m (Limit is 43.50dBμV/m) when the antenna was at vertical polarization and at 1.2m high and the turntable was at 153°.**
4. **0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.**