APPLICATION OF CERTIFICATION For

TTE Technology Inc.

LCD TV

Brand Name	Model Number
TCL	L24HDF11TA

FCC ID: W8UL24HDF11TA

Prepared for: TTE Technology Inc.

5541 W. 74th St, Indianapolis, IN 46268, U.S.A.

Prepared By: Audix Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496 Fax: (0755) 26632877

Report Number : ACS-F10167

Date of Test : Jul.08~09, 2010

Date of Report : Jul.13, 2010

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TEST REPORT CERTIFICATION

Applicant

TTE Technology Inc.

Manufacturer

TCL King Electrical Appliances (Huizhou) Co., Ltd.

EUT Description

LCD TV

FCC ID

W8UL24HDF11TA

(A) MODEL NO.& Brand Name : Brand Name Model Number
TCL L24HDF11TA

(B) SERIAL NO.

: N/A

(C) TEST VOLTAGE

AC 120V/60Hz

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart B Class B 2008, ANSI C63.4-2003 ICES-003 Issue 4 February 2004.

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 both conducted and radiated emissions. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Date of Test:	Jul.08~09, 2010
Prepared by:	Annie Wu / Senior Assistant
Reviewer:	Richzhy Zhong / Assistant Manager

②信等科技(深圳)有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告専用章
Stamp only for EMC Dept. Report
Signature:

Approved & Authorized Signer:

Ken Lu / 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.

EMISSION						
Description of Test Item Standard Limits Res						
Power Line Conducted Emission Test	FCC Part 15: 2008 ANSI C63.4: 2003	Class B	PASS			
Radiated Emission Test	FCC Part 15: 2008 ANSI C63.4: 2003	Class B	PASS			

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Description : LCD TV

Model Number : B

Brand Name	Model Number
TCL	L24HDF11TA

FCC ID : W8UL24HDF11TA

Frequencies used: and generated within device

X54M1	45-OSC54M-0Y1CR	54000000Hz
LVDS CLOCK	80MHz	
IF	45.75MHz	
DC-DC	U302->385KHz	U303->1MHz
DDR	440MHz	
AMP IIS	384KHz	

Applicant : TTE Technology Inc.

5541 W. 74th St, Indianapolis, IN 46268, U.S.A.

Manufacturer : TCL King Electrical Appliances (Huizhou) Co., Ltd.

Section 19, Zhongkai Development Zone for New & High-Level Tech Industries, Huizhou, Guangdong Province, China, 516006.

Power Cord : Unshielded, Undetachable, 1.5m

Date of Test : Jul.08~09, 2010

Date of Receipt : Jul.07, 2010

Sample Type : Prototype production

2.2.Tested Supporting System Details

2.2.1.PERSONAL COMPUTER

EMC CODE : Test PC N

M/N : Studio 540

S/N : J14XK2X

Manufacturer : DELL

Power cord : Unshielded, Detachabled, 1.8m

FCC ID : By DoC BSMI ID : R33002 Display Card : HD3650

(Display port+DVI+HDMI)

2.2.2.PRINTER

EMC CODE : ACS-EMC-PT04

M/N : C9079A

Manufacturer : HP

USB Cable : Shielded, Detachabled, 1.8m

Power Cord : Unshielded, Detachabled, 1.8m

FCC ID : By DoC BSMI ID : R33001

Power Adaptor : Manufacturer: HP

M/N: 0957-2119 BSMI ID: R33030

DC Cable: Unshielded, Detachabled, 1.5m

2.2.3.USB KEYBOARD

EMC CODE : ACS-EMC-K04R

M/N : SK-8115

S/N : CN-ODJ313-71616-6BB-049J

Manufacturer : DELL

Data Cable : Shielded, Undetachabled, 2.0m

FCC ID : By DoC BSMI ID : T3A002

2.2.4.USB MOUSE

EMC CODE : ACS-EMC-M05R

M/N : M028UOL S/N : 44N1421 Manufacturer : Lenovo

Data Cable : Shielded, Undetachabled, 1.8m

FCC ID : By DoC BSMI ID : R41108

2.2.5.HDD

EMC CODE : ACS-EMC-HDD04

M/N: F12-UF

S/N : A0100215-5390002

Manufacturer : Terasys

Data Cable : Shielded, Detachabled, 1.8m

FCC ID : By DoC BSMI ID : 4912A022

2.2.6.iPod

EMC CODE : ACS-EMC-IP01

M/N : A1199

S/N : YM706MLDVQ5

Manufacturer : APPLE

Data Cable : Shielded, Detachabled, 1.0m

FCC ID : By DoC BSMI ID : R33057

2.2.7.Headphone

EMC CODE : ACS-EMC-EP03

M/N : OV880V Manufacturer : OVANN

Data Cable : Shielded, Undetachabled, 4.0m

2.2.8. Cables

Audio Cable : Shielded, Detachable, 1.8m HDMI Cable : Shielded, Detachable, 1.5m VGA Cable : Shielded, Detachable, 1.5m Y/Pb/Pr Cable : Shielded, Detachable, 1.5m Coaxial Cable : Shielded, Detachable, 1.5m L+R+V Cable : Shielded, Detachable, 1.5m

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 : Mar. 31, 2009 File on Federal

Communication Commission Registration Number: 90454

3m & 10m Anechoic Chamber : Dec.30, 2009 File on Federal

Communication Commission Registration Number: 794232

EMC Lab. : Accredited by DATech, German

Registration Number: DAT-P-091/99-01

Feb,02, 2009

Accredited by NVLAP, USA NVLAP Code: 200372-0

Apr. 01, 2010

2.4. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty		
Uncertainty for Conduction emission test	3.64 dB (9kHz to 150kHz		
in No. 1 Conduction	3.22 dB(150kHz to 30MHz)		
Uncertainty for Radiation Emission test	4.20 dB (Polarize: V)		
in 3m chamber	4.66 dB (Polarize: H)		
Uncertainty for test site temperature and	0.3℃		
humidity	2%		

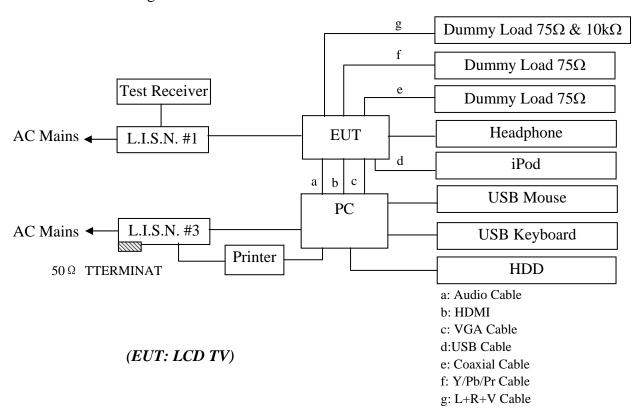
3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	Rohde & Schwarz	ESHS20	836600/006	May.08, 10	1 Year
2	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Mar.30, 10	1 Year
3	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 10	1 Year
4	Terminator	Hubersuhner	50Ω	No. 1	May.08, 10	1 Year
5	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 10	1Year
6	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 10	1 Year
7	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 10	1 Year

3.2.Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators



3.3. Power Line Conducted Emission Test Limits

	Maximum RF Line Voltage			
Frequency	Quasi-Peak Level	Average Level		
	$dB(\mu V)$	$dB(\mu V)$		
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.LCD TV (EUT)

Model Number : L24HDF11TA

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. Let the EUT work in test mode (Running "H" Pattern and 1kHz Playing 640*480 60Hz/ Running "H" Pattern and 1kHz Playing 800*600 60Hz / Running "H" Pattern and 1kHz Playing 1024*768 60Hz / HDMI 1080P), use white letters on a black background, set the contrast control to maximum, set the brightness control to maximum and measure it.

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. 1#). 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 test receiver (R&S TEST RECEIVER ESHS20) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 3.7.

3.7. Conducted Disturbance at Mains Terminals Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

The EUT with the following test modes were tested and selected (mode 3 & 4) to read Q.P values and Average values, all the test results are listed in next pages.

EUT: LCD TV Model No. : L24HDF11TA

Test Date: Jul.09, 2010 Temperature: 23°C Humidity: 54%

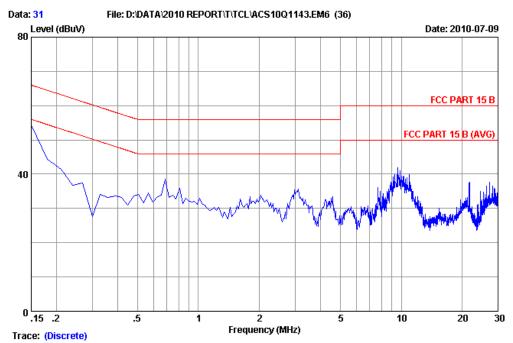
The details of test modes are as follows:

NO.	Resolution & Frequency	Reference Test Data No.		
		LINE	NEUTRAL	
1.	VGA 640*480 60Hz	#31	#32	
2.	VGA 800*600 60Hz	#30	#29	
3. ※	VGA 1024*768 60Hz	#27	#28	
4.	HDMI1 1080P	#34	#33	
5.	HDMI2 1080P	#35	#36	

(* Worst test mode)



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Site no : Audix No.1 Conduction Data no :31

Dis./Ant. :** 2010 ESH2-Z5 LINE

Limit :FCC PART 15 B

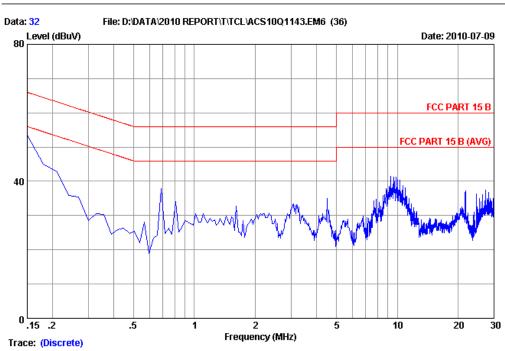
Env./Ins. :Temp:23'C Humi:54% Engineer :Gary_Zeng

EUT :LCD TV M/N:L24HDF11TA

Power Rating :AC 120V/60Hz

Test Mode : Running "H" And 1kHz Playing

Memo : VGA: 640*480@60Hz



Site no : Audix No.1 Conduction Data no :32

Dis./Ant. :** 2010 ESH2-Z5 NEUTRAL

Limit :FCC PART 15 B

Env./Ins. :Temp:23'C Humi:54% Engineer :Gary_Zeng

EUT :LCD TV M/N:L24HDF11TA

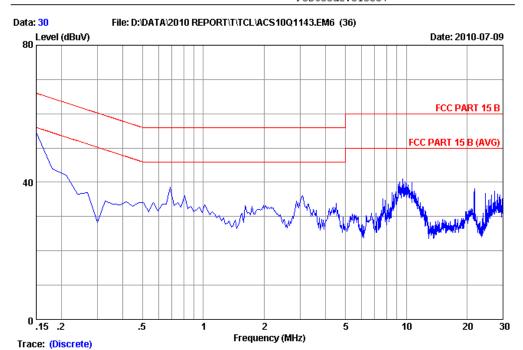
Power Rating :AC 120V/60Hz

Test Mode : Running "H" And 1kHz Playing

Memo : VGA: 640*480@60Hz



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Site no :Audix No.1 Conduction Data no :30

Dis./Ant. :** 2010 ESH2-Z5 LINE

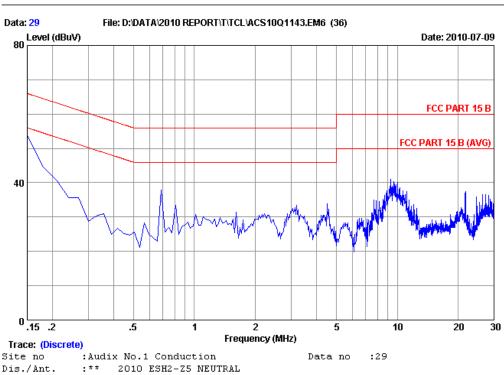
:FCC PART 15 B Limit

:Temp:23'C Humi:54% Env./Ins. Engineer : Gary_Zeng

:LCD TV M/N:L24HDF11TA EUT Power Rating : AC 120V/60Hz

:Running "H" And 1kHz Playing Test Mode

:VGA:800*600@60Hz Memo



:FCC PART 15 B Limit

Env./Ins. :Temp:23'C Humi:54% Engineer : Gary_Zeng

:LCD TV M/N:L24HDF11TA

Power Rating :AC 120V/60Hz

:Running "H" And 1kHz Playing Test Mode

:VGA:800*600@60Hz Memo

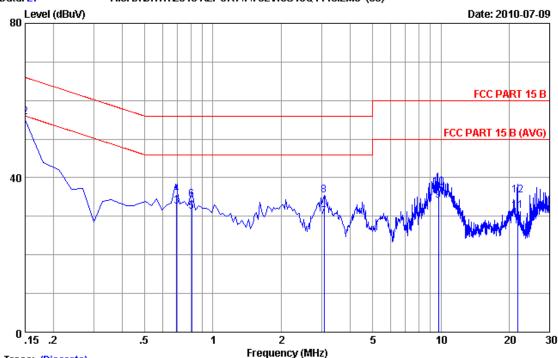


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Fax:+86-755-26632877 Postcode:518057





Trace: (Discrete)

Site no : Audix No.1 Conduction Data no

:** 2010 ESH2-Z5 LINE :FCC PART 15 B Dis./Ant.

Limit

:Temp:23'C Humi:54% Engineer : Gary_Zeng Env./Ins.

:LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running "H" And 1kHz Playing

Memo :VGA:1024*768@60Hz

		LISN	Cable		Emission	ι		
No	Freq	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.15000	0.23	9.88	27.90	38.01	56.00	17.99	Average
2	0.15000	0.23	9.88	45.60	55.71	66.00	10.29	QP
3	0.69300	0.25	9.89	22.30	32.44	46.00	13.56	Average
4	0.69300	0.25	9.89	25.60	35.74	56.00	20.26	QP
5	0.80670	0.24	9.89	21.10	31.23	46.00	14.77	Average
6	0.80670	0.24	9.89	24.09	34.22	56.00	21.78	QP
7	3.075	0.26	9.93	19.60	29.79	46.00	16.21	Average
8	3.075	0.26	9.93	25.19	35.38	56.00	20.62	QP
9	9.750	0.39	9.99	23.60	33.98	50.00	16.02	Average
10	9.750	0.39	9.99	27.10	37.48	60.00	22.52	QP
11	21.672	0.63	10.09	20.71	31.43	50.00	18.57	Average
12	21.672	0.63	10.09	24.61	35.33	60.00	24.67	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Cable loss+pulse limiter)+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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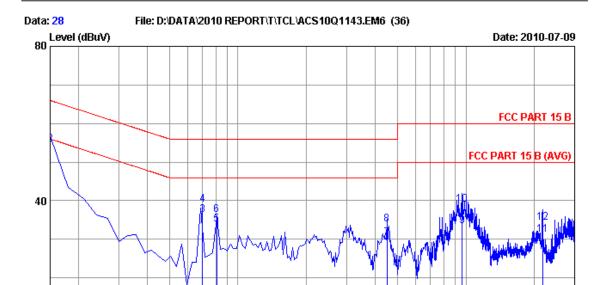
5

Data no

10

:28

Engineer : Gary_Zeng



2

Frequency (MHz)

Trace: (Discrete)

0 .15 .2

Site no : Audix No.1 Conduction

:** 2010 ESH2-Z5 NEUTRAL :FCC PART 15 B Dis./Ant.

.5

Limit

:Temp:23'C Humi:54% Env./Ins.

:LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running "H" And 1kHz Playing

Memo :VGA:1024*768@60Hz

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.21	9.88	30.10	40.19	56.00	15.81	Average
2	0.15000	0.21	9.88	44.60	54.69	66.00	11.31	QP
3	0.70000	0.24	9.89	26.10	36.23	46.00	9.77	Average
4	0.70000	0.24	9.89	28.90	39.03	56.00	16.97	QP
5	0.80700	0.24	9.89	23.70	33.83	46.00	12.17	Average
6	0.80700	0.24	9.89	26.10	36.23	56.00	19.77	QP
7	4.510	0.28	9.94	20.10	30.32	46.00	15.68	Average
8	4.510	0.28	9.94	23.60	33.82	56.00	22.18	QP
9	9.620	0.42	9.99	23.10	33.51	50.00	16.49	Average
10	9.620	0.42	9.99	28.50	38.91	60.00	21.09	QP
11	21.690	0.87	10.09	20.20	31.16	50.00	18.84	Average
12	21.690	0.87	10.09	23.30	34.26	60.00	25.74	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Cable loss+pulse limiter)+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.

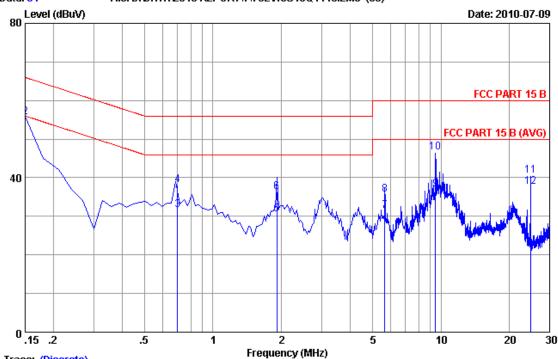


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Fax:+86-755-26632877 Postcode:518057





Trace: (Discrete)

Site no :Audix No.1 Conduction Data no

:** 2010 ESH2-Z5 LINE :FCC PART 15 B Dis./Ant.

Limit

:Temp:23'C Humi:54% Engineer : Gary_Zeng Env./Ins.

:LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running "H" And 1kHz Playing

Memo :HDMI 1:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.23	9.88	12.60	22.71	56.00	33.29	Average
2	0.15000	0.23	9.88	45.60	55.71	66.00	10.29	QP
3	0.70000	0.25	9.89	21.50	31.64	46.00	14.36	Average
4	0.70000	0.25	9.89	27.90	38.04	56.00	17.96	QP
5	1.910	0.25	9.90	20.30	30.45	46.00	15.55	Average
6	1.910	0.25	9.90	26.20	36.35	56.00	19.65	QP
7	5.680	0.28	9.95	21.10	31.33	50.00	18.67	Average
8	5.680	0.28	9.95	25.50	35.73	60.00	24.27	QP
9	9.490	0.39	9.99	26.60	36.98	50.00	13.02	Average
10	9.490	0.39	9.99	36.10	46.48	60.00	13.52	QP
11	24.780	0.87	10.12	29.50	40.49	50.00	9.51	Average
12	24.780	0.87	10.12	26.60	37.59	60.00	22.41	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Cable loss+pulse limiter)+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.

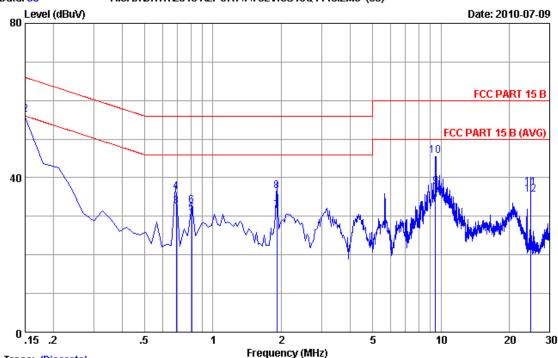


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Fax:+86-755-26632877 Postcode:518057





Trace: (Discrete)

Site no : Audix No.1 Conduction Data no

:** 2010 ESH2-Z5 NEUTRAL :FCC PART 15 B Dis./Ant.

Limit

:Temp:23'C Humi:54% Engineer : Gary_Zeng Env./Ins.

:LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode :Running "H" And 1kHz Playing

Memo :HDMI 1:1080P

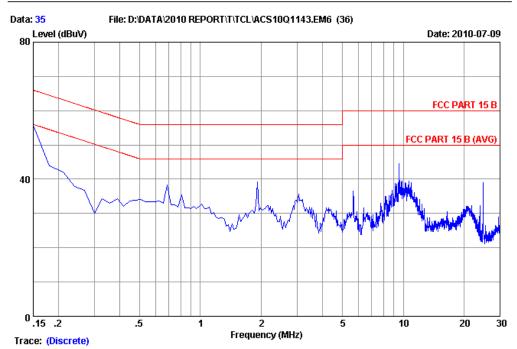
		LISN	Cable		Emissior	ı		
No	Freq	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.15000	0.21	9.88	29.20	39.29	56.00	16.71	Average
2	0.15000	0.21	9.88	46.30	56.39	66.00	9.61	QP
3	0.68900	0.24	9.89	22.50	32.63	46.00	13.37	Average
4	0.68900	0.24	9.89	26.30	36.43	56.00	19.57	QP
5	0.80600	0.24	9.89	20.60	30.73	46.00	15.27	Average
6	0.80600	0.24	9.89	22.60	32.73	56.00	23.27	QP
7	1.910	0.26	9.90	21.30	31.46	46.00	14.54	Average
8	1.910	0.26	9.90	26.30	36.46	56.00	19.54	QP
9	9.490	0.42	9.99	27.19	37.60	50.00	12.40	Average
10	9.490	0.42	9.99	35.20	45.61	60.00	14.39	QP
11	24.750	1.04	10.12	26.30	37.46	50.00	12.54	Average
12	24.750	1.04	10.12	24.60	35.76	60.00	24.24	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Cable loss+pulse limiter)+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 :35

Dis./Ant. :** 2010 ESH2-Z5 LINE

Limit :FCC PART 15 B

Env./Ins. :Temp:23'C Humi:54% Engineer :Gary_Zeng

EUT :LCD TV M/N:L24HDF11TA

Power Rating :AC 120V/60Hz

Test Mode : Running "H" And 1kHz Playing

Memo :HDMI 2:1080P

File: D:/DATA/2010 REPORT\T\TCL/ACS10Q1143.EM6 (36) Data: 36 80 Level (dBuV) Date: 2010-07-09 FCC PART 15 B FCC PART 15 B (AVG) 40 0 .15 .2 .5 2 5 10 20 30 Frequency (MHz) Trace: (Discrete) :Audix No.1 Conduction Site no Data no :36 Dis./Ant. :** 2010 ESH2-Z5 NEUTRAL

Limit :FCC PART 15 B

Env./Ins. :Temp:23'C Humi:54% Engineer :Gary_Zeng

EUT :LCD TV M/N:L24HDF11TA

Power Rating :AC 120V/60Hz

Test Mode :Running "H" And 1kHz Playing

Memo :HDMI 2:1080P

4. RADIATED EMISSION TEST

4.1.Test Equipment

4.1.1.For frequency range 30MHz~1000MHz

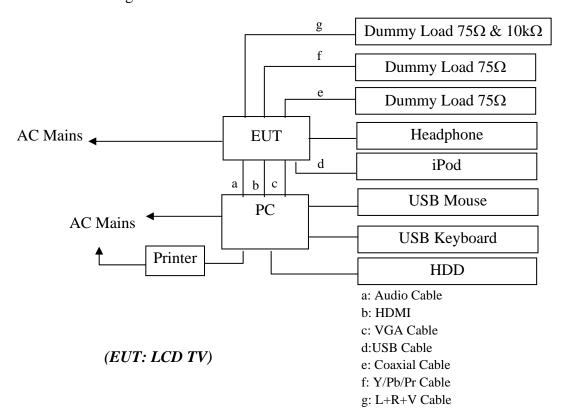
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,09	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 10	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 10	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 10	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Dec.14, 09	1 Year
6	RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 10	1 Year
7	Coaxial Switch	Anritsu	MP59B	M73989	May.08, 10	1 Year

4.1.2.For frequency range 1GHz~6GHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E7405A	MY45116588	May.08, 10	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	Nov.25, 09	1.5 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 10	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08, 10	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	May.08, 10	1 Year

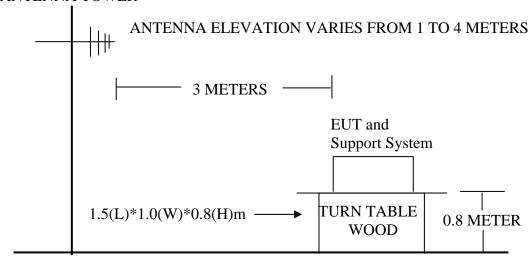
4.2.Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and simulators



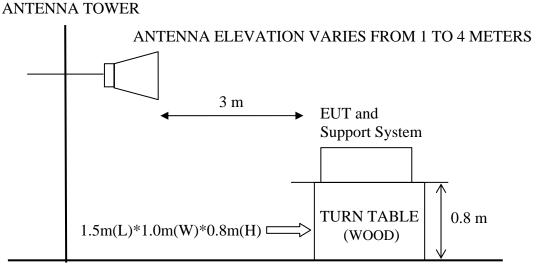
4.2.2. In Anechoic Chamber

ANTENNA TOWER



GROUND PLANE

4.2.3.In Anechoic (3m) Chamber Test Setup Diagram for 1-6GHz



GROUND PLANE

4.3. Radiated Emission Limit

Frequency	Distance	Field Strengths Limits
MHz	(Meters)	$dB(\mu V)/m$
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0
Above 6000	3	74(Peak)54(Average)

Remark: (1) Emission level = Antenna Factor + Cable Loss + Reading Emission level = Antenna Factor - Amp Factor + Cable Loss + Reading (above 1000MHz)

- (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 that tends to maximize its emission characteristics in normal application.

4.4.1.LCD TV (EUT)

Model Number : L24HDF11TA

Serial Number : N/A

4.5. Operating Condition of EUT

- 4.5.1. Setup the EUT as shown in Section 4.2.
- 4.5.2. Turn on the power of all equipment.
- 4.5.3. Let the EUT worked in test mode (Running "H" Pattern and 1kHz Playing 640*480 60Hz/ Running "H" Pattern and 1kHz Playing 800*600 60Hz / Running "H" Pattern and 1kHz Playing 1024*768 60Hz / HDMI 1080P), use white letters on a black background, set the contrast control to maximum, set the brightness control to maximum and measure it.

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 EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's RBW is set at 1MHz and VBW is set at 3MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz.

The frequency range from 30MHz to 6000MHz is checked. The test result are reported on Section 4.7.

4.7. Radiated Disturbance Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

The EUT with the following test modes were tested and selected (mode $3 \sim 5$) to read Q.P values, all the test results are listed in next pages.

EUT: LCD TV Model No. : L24HDF11TA

Test Date: Jul.08, 2010 Temperature: 24°C Humidity: 56%

The details of test modes are as follows:

NO.	Desclution & Fraguency	Reference Test Data No.			
NO.	Resolution & Frequency	Horizontal	Vertical		
1.	VGA 640*480 60Hz	#32	#31		
2.	VGA 800*600 60Hz	#30	#29		
3.	VGA 1024*768 60Hz	#27	#28		
4. ※	HDMI1 1080P	#34	#33		
5.	HDMI2 1080P	#35	#36		

^{(*} Worst test mode)

For frequency range 1GHz~6GHz

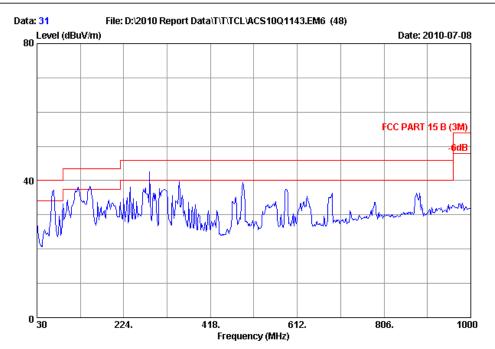
The EUT with below test modes 1~3 were measured within Anechoic Chamber and the test results listed in next pages

Test Date: Jul.08, 2010 Temperature: 24°C Humidity: 56%

NO.	Desclution & Frequency	Reference Test Data No.			
	Resolution & Frequency	Horizontal	Vertical		
1.	VGA 1024*768 60Hz	#37, #38	#39, #40		
2.	HDMI1 1080P	#43, #44	#41, #42		
3.	HDMI2 1080P	#45, #46	#47, #48		



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ite no. : 3m Chamber Data no. : 31

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

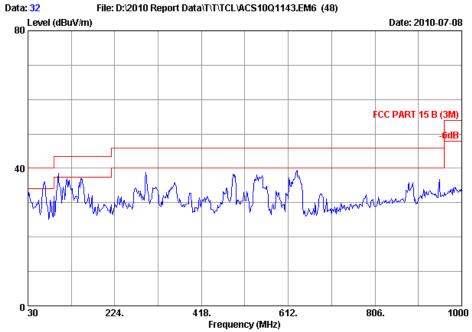
Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: VGA:640*480@60Hz



Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Victory

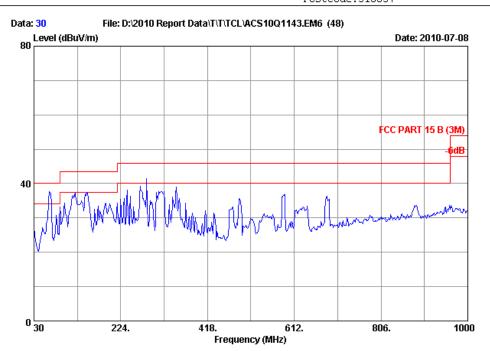
EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: VGA:640*480@60Hz





Site no. : 3m Chamber Data no. : 30

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

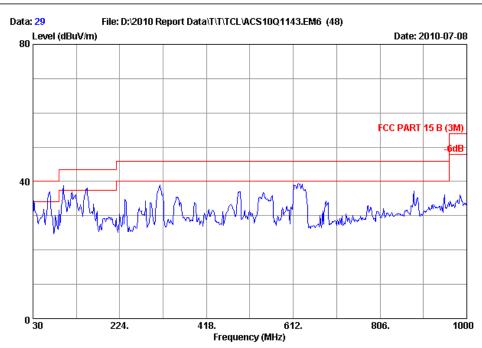
Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: VGA:800*600@60Hz



Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Victory

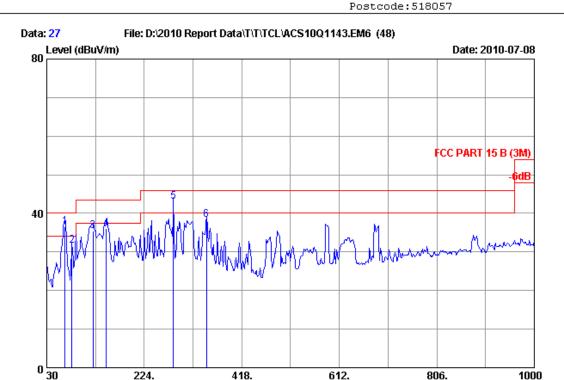
EUT : LCD TV M/N:L24HDF11TA Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: VGA:800*600@60Hz



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Frequency (MHz)

Engineer : Victory

Site no. : 3m Chamber Data no. : 27

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56%

EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: VGA:1024*768@60Hz

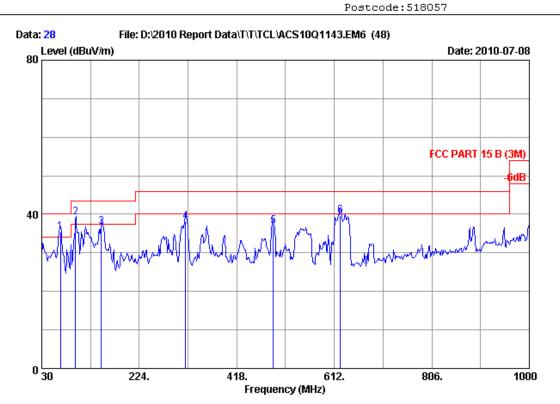
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	66.700	6.24	0.90	29.30	36.44	40.00	3.56	QP	
2	80.440	7.80	0.99	22.80	31.59	40.00	8.41	QP	
3	122.150	11.98	1.13	22.22	35.33	43.50	8.17	QP	
4	148.340	11.72	1.14	23.18	36.04	43.50	7.46	QP	
5	281.540	13.24	2.36	27.30	42.90	46.00	3.10	QP	
6	348.160	15.04	2.69	20.60	38.33	46.00	7.67	QP	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- The emission levels that are 20dB below the official limit are not reported.
- 3. The worst emission was detected at 281.540MHz with corrected signal level of 42.90dB μ V/m (Limit is 46.00dB μ V/m) when the antenna was at horizontal polarization and at 2.0m high and the turn table was at 211°.
- 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



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Site no. : 3m Chamber Data no. : 28

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: VGA:1024*768@60Hz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	66.860	6.24	0.90	28.30	35.44	40.00	4.56	QP	
2	97.500	10.12	1.11	27.90	39.13	43.50	4.37	QP	
3	148.340	11.72	1.14	23.82	36.68	43.50	6.82	QP	
4	316.150	14.12	2.55	21.41	38.08	46.00	7.92	QP	
5	490.750	18.21	3.49	15.33	37.03	46.00	8.97	QP	
6	623.640	20.07	4.21	15.45	39.73	46.00	6.27	QP	

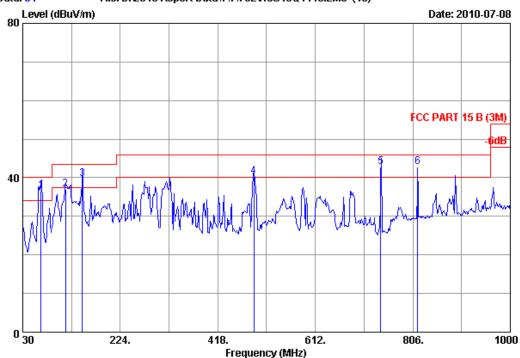
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- The emission levels that are 20dB below the official limit are not reported.
- 3. The worst emission was detected at 97.500MHz with corrected signal level of 39.13dB μ V/m (Limit is 43.50dB μ V/m) when the antenna was at vertical polarization and at 2.0m high and the turn table was at 310°.
- 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



Postcode:518057





Site no. : 3m Chamber Data no. : 34

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: HDMI 1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	66.780	6.24	0.90	29.30	36.44	40.00	3.56	QP	
2	115.500	11.70	1.13	24.20	37.03	43.50	6.47	QP	
3	148.360	11.72	1.14	26.70	39.56	43.50	3.94	QP	
4	490.100	18.20	3.48	18.60	40.28	46.00	5.72	QP	
5	741.750	21.84	4.67	16.30	42.81	46.00	3.19	QP	
6	815.350	22.12	4.95	15.70	42.77	46.00	3.23	QP	

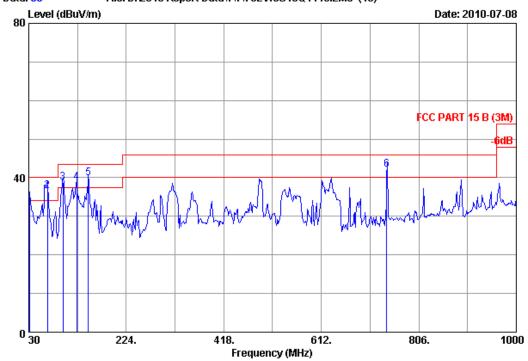
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

2. The emission levels that are 20dB below the official limit are not reported.



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Site no. : 3m Chamber Data no. : 33

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: HDMI 1:1080P

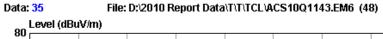
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	31.900	18.88	0.63	14.20	33.71	40.00	6.29	QP	
2	66.890	6.24	0.90	29.30	36.44	40.00	3.56	QP	
3	97.700	10.12	1.11	27.60	38.83	43.50	4.67	QP	
4	125.100	12.10	1.13	25.50	38.73	43.50	4.77	QP	
5	148.300	11.72	1.14	27.10	39.96	43.50	3.54	QP	
6	741.770	21.84	4.67	15.70	42.21	46.00	3.79	QP	

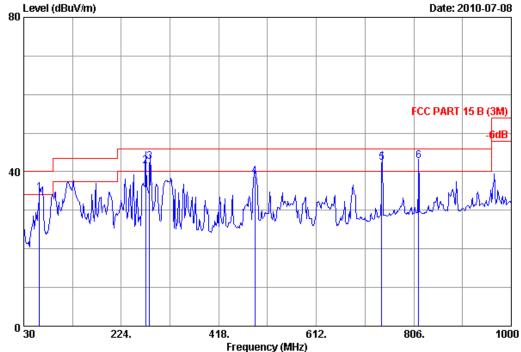
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

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



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Site no. : 3m Chamber Data no. : 35

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL

: FCC PART 15 B (3M) Limit

Env. / Ins. : 24*C/56% Engineer : Victory

: LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: HDMI 2:1080P

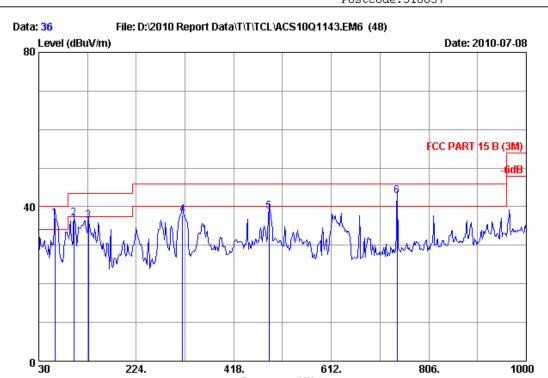
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	61.200	6.00	0.86	27.60	34.46	40.00	 5.54	OP	,
2	272.250	13.25	2.31	26.00	41.56	46.00	4.44	QP	
3	280.500	13.20	2.36	26.90	42.46	46.00	3.54	QP	
4	489.890	18.20	3.48	17.20	38.88	46.00	7.12	QP	
5	741.760	21.84	4.67	15.90	42.41	46.00	3.59	QP	
6	815.900	22.12	4.95	15.70	42.77	46.00	3.23	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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Frequency (MHz)

Site no. : 3m Chamber Data no. : 36

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

: HDMI 2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	62.100	6.00	0.86	30.10	36.96	40.00	3.04	QP
2	99.840	10.40	1.12	25.54	37.06	43.50	6.44	QP
3	128.940	12.18	1.13	23.11	36.42	43.50	7.08	QP
4	316.150	14.12	2.55	21.25	37.92	46.00	8.08	QP
5	487.900	18.18	3.47	17.10	38.75	46.00	7.25	QP
6	742.750	21.86	4.67	16.30	42.83	46.00	3.17	QP

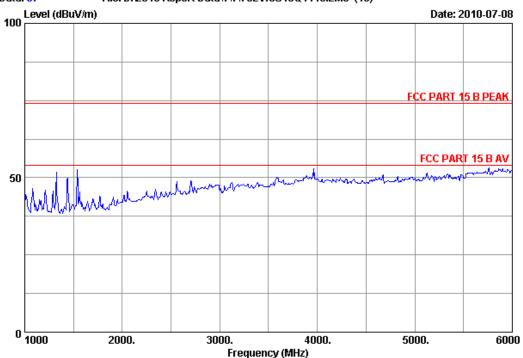
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

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



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Site no. : 3m Chamber

Data no. : 37 Ant. pol. : HORIZONTAL Site no. : 3m Chamber
Dis. / Ant. : 3m 2009 3115

: FCC PART 15 B PEAK Limit

Env. / Ins. : 24*C/56% Engineer : Victory

: LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

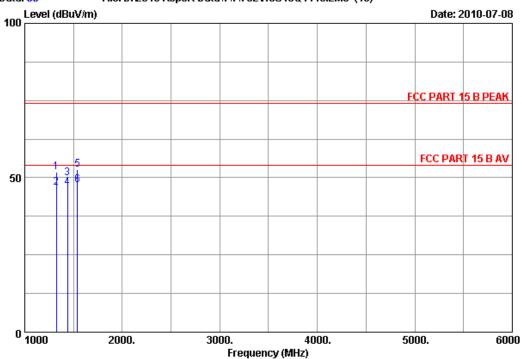
Test Mode : Running ''H'' Pattern And 1kHz Playing

VGA:1024*768@60Hz



Postcode:518057





Site no. : 3m Chamber Data no. : 38

Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

VGA: 1024*768@60Hz

No.		Ant.). Freq. Factor (MHz) (dB/m)		Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Margin Remark (dB)		
	1	1325.120	25.27	4.40	35.85	58.11	51.93	74.00	22.07	Peak
	2	1325.960	25.27	4.40	35.85	53.11	46.93	54.00	7.07	Average
	3	1440.230	25.22	4.56	35.53	55.52	49.77	74.00	24.23	Peak
	4	1440.650	25.22	4.56	35.53	52.52	46.77	54.00	7.23	Average
	5	1540.630	25.31	4.70	35.27	57.83	52.57	74.00	21.43	Peak
	6	1541.010	25.31	4.70	35.27	52.83	47.57	54.00	6.43	Average

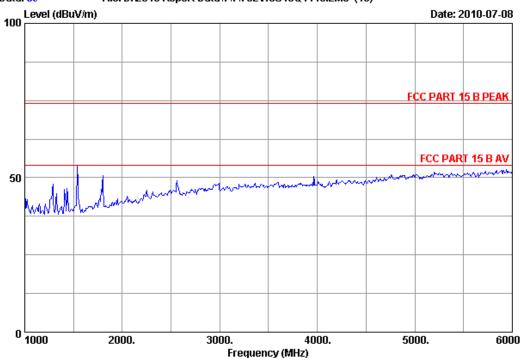
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor

- This device is pulse modulated and duty cycle factor [20log(1/duty cycle)] is 11.5 dB.So Average level is calculate as:PK measured - duty cycle factor.



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Site no. : 3m Chamber
Dis. / Ant. : 3m 2009 3115 Site no. : 3m Chamber Data no. : 39

Ant. pol. : VERTICAL

: FCC PART 15 B PEAK Limit

Env. / Ins. : 24*C/56% Engineer : Victory

: LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

VGA:1024*768@60Hz



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Data: 40 File: D:/2010 Report Data/T\T\TCL\ACS10Q1143.EM6 (48) Level (dBuV/m) Date: 2010-07-08 FCC PART 15 B PEAK FCC PART 15 B AV 100 2000. 3000. 4000. 5000. 6000

Frequency (MHz)

Site no. : 3m Chamber Data no. : 40

Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

VGA: 1024*768@60Hz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin H (dB)	Remark
1	1290.410	25.28	4.35	35.92	54.31	48.02	74.00	25.98	Peak
2	1290.850	25.28	4.35	35.92	52.31	46.02	54.00	7.98	Average
3	1541.100	25.31	4.70	35.27	53.94	48.68	54.00	5.32	Average
4	1541.320	25.31	4.70	35.27	58.94	53.68	74.00	20.32	Peak
5	1800.670	25.86	5.05	34.62	54.40	50.69	74.00	23.31	Peak
6	1801.100	25.86	5.05	34.62	51.40	47.69	54.00	6.31	Average

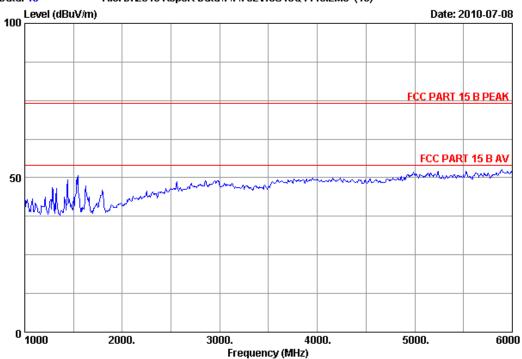
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor

- This device is pulse modulated and duty cycle factor [20log(1/duty cycle)] is 11.5 dB.So Average level is calculate as:PK measured - duty cycle factor.



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Site no. : 3m Chamber

Data no. : 43 Ant. pol. : HORIZONTAL Site no. : 3m Chamber
Dis. / Ant. : 3m 2009 3115

: FCC PART 15 B PEAK Limit

Env. / Ins. : 24*C/56% Engineer : Victory

: LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

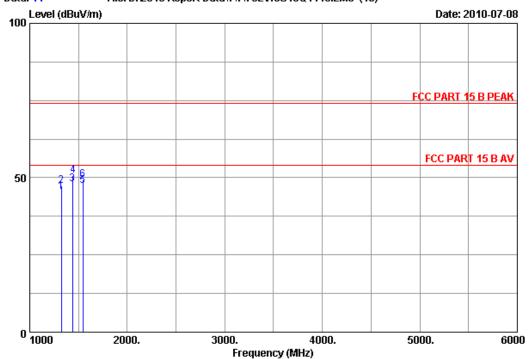
Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 1:1080P



Postcode:518057

Data: 44 File: D:\2010 Report Data\T\T\TCL\ACS10Q1143.EM6 (48)



Site no. : 3m Chamber Data no. : 44

Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin 1 (dB)	Remark
1 2 3 4 5	1325.710 1326.010 1440.820 1441.190 1545.210	25.27 25.27 25.22 25.22 25.31	4.40 4.40 4.56 4.56 4.70	35.85 35.85 35.53 35.53 35.27	51.67 53.67 53.57 56.57 52.65	45.49 47.49 47.82 50.82 47.39	54.00 74.00 54.00 74.00 54.00	8.51 26.51 6.18 23.18 6.61	Average Peak Average Peak Average
6	1545.630	25.31	4.70	35.27	54.65	49.39	74.00	24.61	Peak

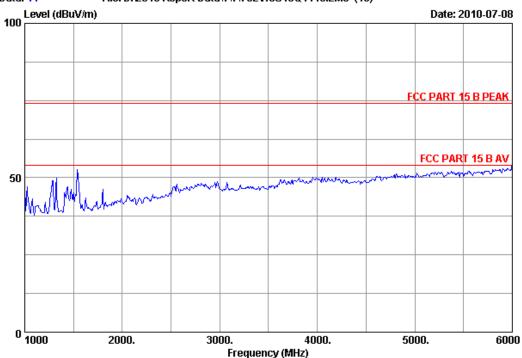
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor

- This device is pulse modulated and duty cycle factor [20log(1/duty cycle)] is 11.5 dB.So Average level is calculate as:PK measured - duty cycle factor.



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Site no. : 3m Chamber Data no. : 41

Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

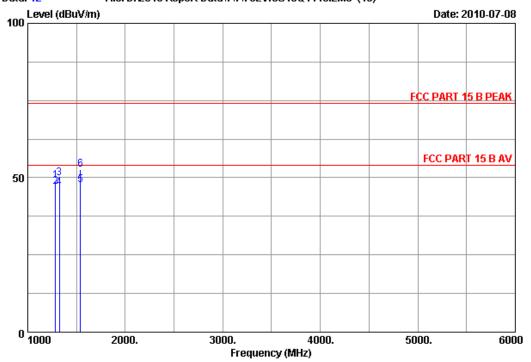
Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 1:1080P



Postcode:518057

Data: 42 File: D:\2010 Report Data\T\T\TCL\ACS10Q1143.EM6 (48)



Site no. : 3m Chamber Data no. : 42

Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin H (dB)	Remark
1 2 3 4 5	1285.070 1285.630 1325.750 1326.120 1540.650	25.28 25.28 25.27 25.27 25.31	4.35 4.35 4.40 4.40 4.70	35.99 35.99 35.85 35.85 35.27	55.49 53.49 55.90 52.90 52.92	49.13 47.13 49.72 46.72 47.66	74.00 54.00 74.00 54.00 54.00	24.87 6.87 24.28 7.28 6.34	Peak Average Peak Average Average
6	1541.020	25.31	4.70	35.27	57.92	52.66	74.00	21.34	Peak

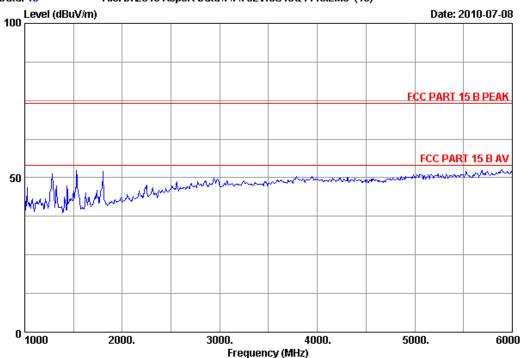
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor

- This device is pulse modulated and duty cycle factor [20log(1/duty cycle)] is 11.5 dB.So Average level is calculate as:PK measured - duty cycle factor.



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Site no. : 3m Chamber
Dis. / Ant. : 3m 2009 3115

Data no. : 45 Ant. pol. : HORIZONTAL

: FCC PART 15 B PEAK Limit

Env. / Ins. : 24*C/56% Engineer : Victory

: LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

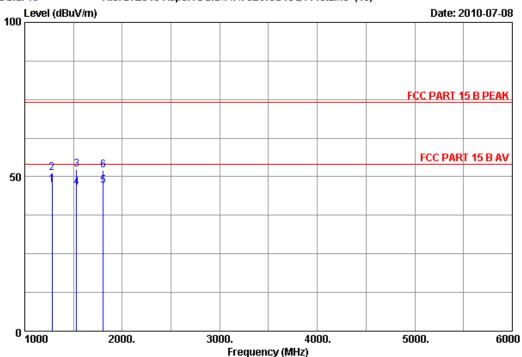
Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 2:1080P



Postcode:518057

Data: 46 File: D:\2010 Report Data\T\T\CL\ACS10Q1143.EM6 (48)



Site no. : 3m Chamber Data no. : 46

Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 2:1080P

_	No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
	1	1280.120	25.29	4.33	35.99	53.63	47.26	54.00	6.74	Average
	2	1281.060	25.28	4.35	35.99	57.62	51.26	74.00	22.74	Peak
	3	1530.770	25.27	4.68	35.33	57.80	52.42	74.00	21.58	Peak
	4	1531.200	25.27	4.68	35.33	51.80	46.42	54.00	7.58	Average
	5	1805.640	25.86	5.05	34.62	50.73	47.02	54.00	6.98	Average
	6	1806.410	25.86	5.05	34.62	55.73	52.02	74.00	21.98	Peak

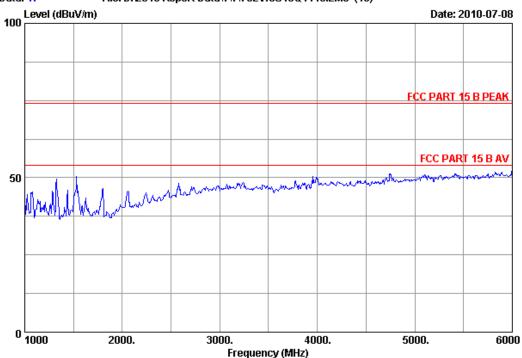
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor

- This device is pulse modulated and duty cycle factor [20log(1/duty cycle)] is 11.5 dB.So Average level is calculate as:PK measured - duty cycle factor.



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Site no. : 3m Chamber Data no. : 47

Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

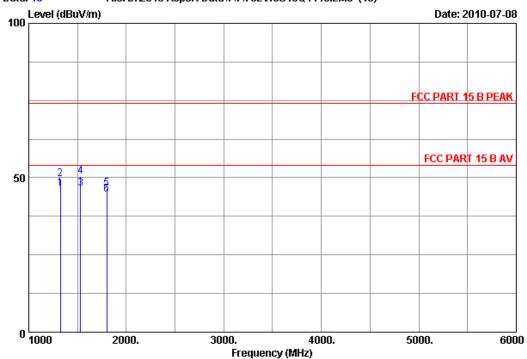
Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 2:1080P



Postcode:518057

Data: 48 File: D:\2010 Report Data\T\T\TCL\ACS10Q1143.EM6 (48)



Site no. : 3m Chamber Data no. : 48

Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Victory

EUT : LCD TV M/N:L24HDF11TA

Power Rating : AC 120V/60Hz

Test Mode : Running ''H'' Pattern And 1kHz Playing

HDMI 2:1080P

		Ant.	Cable	AMP	Emission				
No.	Freq.	Factor	Loss	factor	Reading	Level	Limits	Margin R	emark
	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	
1	1325.050	25.27	4.40	35.85	52.71	46.53	54.00	7.47	Average
2	1326.130	25.27	4.40	35.85	55.71	49.53	74.00	24.47	Peak
3	1530.690	25.27	4.68	35.33	51.80	46.42	54.00	7.58	Average
4	1531.200	25.27	4.68	35.33	55.80	50.42	74.00	23.58	Peak
5	1800.830	25.86	5.05	34.62	50.33	46.62	74.00	27.38	Peak
6	1801.170	25.86	5.05	34.62	48.33	44.62	54.00	9.38	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor

- 3. This device is pulse modulated and duty cycle factor [20log(1/duty cycle)] is 11.5 dB.So Average level is calculate as:PK measured - duty cycle factor.