

APPLICATION OF CERTIFICATION
For

TTE Technology Inc.

LCD TV

Brand Name	Model Number
RCA	L46FHD2XF11; L46FHDE9A; L46FHDF11

FCC ID: W8UL46FHDF11

Prepared for : TTE Technology Inc.
5541 West 74th Street, Indianapolis, IN 46268, U.S.

Prepared By: Audix Technology (Shenzhen) Co., Ltd.
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Report Number : ACS-F10014
Date of Test : Dec.29, 2009~Jan.13, 2010
Date of Report : Jan.18, 2010

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TEST REPORT CERTIFICATION

Applicant : TTE Technology Inc.
 Manufacturer #1 : TCL King Electrical Appliances (Huizhou) Co., Ltd.
 Manufacturer #2 : Manufacturas Avanzadas S A
 EUT Description : LCD TV
 FCC ID : W8UL46FHDF11

(A) Model No. & Brand Name :	Brand Name	Model Number
	RCA	L46FHD2XF11; L46FHDE9A; L46FHDF11
(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 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 parts without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Date of Test: Dec.29, 2009~ Jan.13, 2010

Prepared by: *Daisy Ye*
 Daisy Ye / Assistant

Reviewer: *Richzy Zhong*
 Richzhy Zhong / Assistant Manager



® 信華科技(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 1/20/10*

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	Results
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 :		Model Number
	RCA	L46FHD2XF11;L46FHDE9A; L46FHDF11

Test model: L46FHD2XF11; L46FHDE9A

DIFFERENCE			
SET	L46FHD2XF11	L46FHDF11	L46FHDE9A
POWER	PWL4622	PWL4622	PWL4622
PANEL	SEC:LTA460HF03	SEC: LTA460HA07	SEC: LTA460HA07
TUNER	PANASONIC: ENV56S02D8F	PANASONIC: ENV56S02D8F	PANASONIC: ENV56S02D8F
FRONT CABNIT	46F11_FRONT	46F11_FRONT	46E9A_FRONT
REAR CABNIT	46F11_REAR	46F11_REAR	46M19_REAR
FREQUENCIES USED AND GENERATED WITHIN DEVICE			
LVDS CLOCK	80M HZ		
IF	45.75M HZ		
DDR	440M HZ		
AMP IIS	384K		

Because this three model number device have same main chip, same structure design and same schematic block diagram, and according to exploratory test they have same radiation characteristic, so this three model number device share same FCC ID number.

FCC ID : W8UL46FHDF11

Applicant : TTE Technology Inc.
5541 West 74th Street, Indianapolis, IN 46268, U.S.

Manufacturer #1 : TCL King Electrical Appliances (Huizhou) Co., Ltd.
Section 19, Zhongkai Development Zone for New and High Level
TECH Industries, Huizhou, Guangdong 516006, China

Manufacturer #2 : Manufacturas Avanzadas S A
Parque Industrial Salvarcar, Blvd Independencia 2151,
CD Juarez, Chih, Mexico

Power Cord : Unshielded, Undetachable, 1.8m

Date of Test : Dec.29, 2009~Jan.13, 2010

Date of Receipt : Dec.28, 2009

Sample Type : Prototype production

2.2. Tested Supporting System Details

2.2.1. PC

EMC CODE : Test PC P
 M/N : Studio 540
 S/N : 124XK2X
 Manufacturer : DELL
 Power cord : Unshielded, Detachable, 1.8m
 FCC ID : By DoC
 BSMI ID : R33002
 Display Card : HD3450(VGA+DVI+HDMI)

2.2.2. USB Keyboard

EMC CODE : ACS-EMC-K01R
 M/N : SK-8115
 S/N : CN-ODJ313-71616-711-0J73
 Manufacturer : DELL
 Data Cable : Shielded, Undetachable, 2.0m
 FCC ID : By DoC
 BSMI ID : T3A002

2.2.3. PRINTER

EMC CODE : ACS-EMC-PT04
 M/N : C9079A
 Manufacturer : HP
 USB Cable : Shielded, Detachable, 1.8m
 Power Cord : Unshielded, Detachable, 1.8m
 FCC ID : By DoC
 BSMI ID : R33001
 Power Adaptor : Manufacturer: HP
 M/N: 0957-2119
 BSMI ID: R33030
 DC Cable: Unshielded, Detachable, 1.5m

2.2.4. USB MOUSE

EMC CODE : ACS-EMC-M01R
 M/N : M056UO
 S/N : 512022645
 Manufacturer : Dell
 Data Cable : Shielded, Undetachable, 1.8m
 FCC ID : By DoC
 BSMI ID : R41108

2.2.5. HDD

EMC CODE : ACS-EMC-HDD03
M/N : F12-UF
S/N : A0100215-5390031
Manufacturer : Terasys
Data Cable : Shielded, Detachable, 1.8m
FCC ID : By DoC
BSMI ID : 4912A022

2.2.6. iPod

EMC CODE : ACS-EMC-IP03
M/N : A1199
S/N : YM711H3LVQ5
Manufacturer : APPLE
USB Cable : Shielded, Detachable, 1.0m
FCC ID : By DoC
BSMI ID : R33057

2.2.7. Cables

Audio Cable : Shielded, Detachable, 1.8m
HDMI Cable : Shielded, 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 : Mar. 31, 2009 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
Feb. 02, 2009

Accredited by NVLAP, USA
NVLAP Code: 200372-0
Apr. 01, 2009

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

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	2.40dB
Uncertainty for Radiation Emission test in 3m chamber	3.82 dB (Polarize: V)
	4.32 dB (Polarize: H)
Uncertainty for test site temperature and humidity	0.6°C
	3%

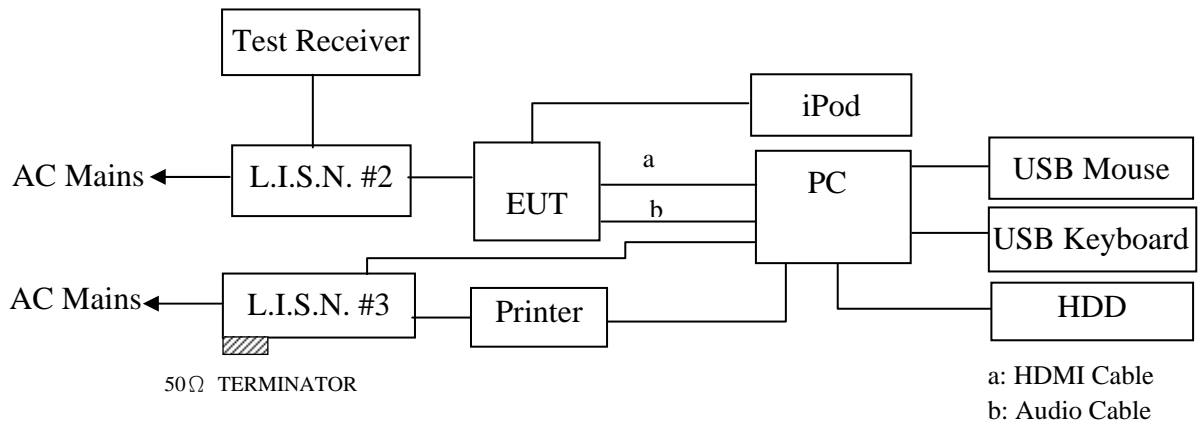
3. POWER LINE CONDUCTED EMISSION TEST

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, 09	1 Year
2.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May.08, 09	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 09	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 09	1 Year
5.	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 09	1 Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 09	1 Year
7.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 09	1 Year

3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators



(EUT: LCD 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. LCD TV (EUT)

Model Number : L46FHD2XF11; L46FHDE9A
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 Playing Music HDMI 1080P), Adjust the brightness & contrast 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. 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 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 1~8) to read Q.P values and Average values, all the test results are listed in next pages.

EUT: LCD TV

Model No. : L46FHDE9A; L46FHD2XF11

Test Date: Dec.29, 2009

Temperature: 23°C

Humidity: 54%

The details of test modes are as follows :

No.	M/N	Test Mode	Resolution & Frequency	Reference Test Data No.	
				VA	VB
1. ※	L46FHDE9A	Running "H" Pattern and Playing Music	HDMI1 1080P	#57	#58
2.			HDMI2 1080P	#59	#60
3.			HDMI3 1080P	#61	#62
4.			HDMI4 1080P	#64	#63
5.	L46FHD2XF11	Running "H" Pattern and Playing Music	HDMI1 1080P	#50	#49
6.			HDMI2 1080P	#52	#51
7.			HDMI3 1080P	#54	#53
8.			HDMI4 1080P	#56	#55

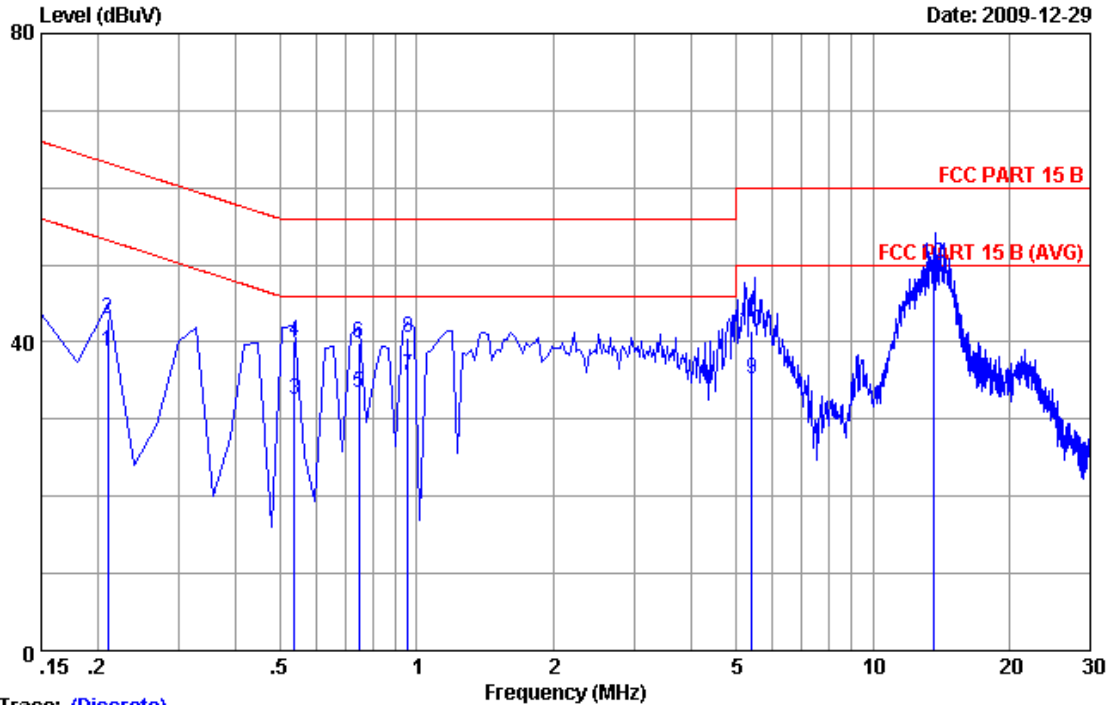
(※ Worst test mode)



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Data: 57 File: D:\DATA\2009 Report\T\TCL\ACS9Q2082.EM6 (64)

Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :57
Dis./Ant. **: 2009 KNW407 VA
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
EUT :LCD TV M/N:L46FHDE9A
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And Playing Music
HDMI1:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.42	9.88	28.43	38.73	53.22	14.49	Average
2	0.20970	0.42	9.88	32.60	42.90	63.22	20.32	QP
3	0.53805	0.34	9.89	22.37	32.60	46.00	13.40	Average
4	0.53805	0.34	9.89	29.81	40.04	56.00	15.96	QP
5	0.74700	0.36	9.89	23.16	33.41	46.00	12.59	Average
6	0.74700	0.36	9.89	29.72	39.97	56.00	16.03	QP
7	0.95595	0.33	9.89	25.47	35.69	46.00	10.31	Average
8	0.95595	0.33	9.89	30.35	40.57	56.00	15.43	QP
9	5.440	0.39	9.91	25.00	35.30	50.00	14.70	Average
10	5.440	0.39	9.91	31.20	41.50	60.00	18.50	QP
11	13.650	0.47	9.96	36.21	46.64	50.00	3.36	Average
12	13.650	0.47	9.96	39.79	50.22	60.00	9.78	QP

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

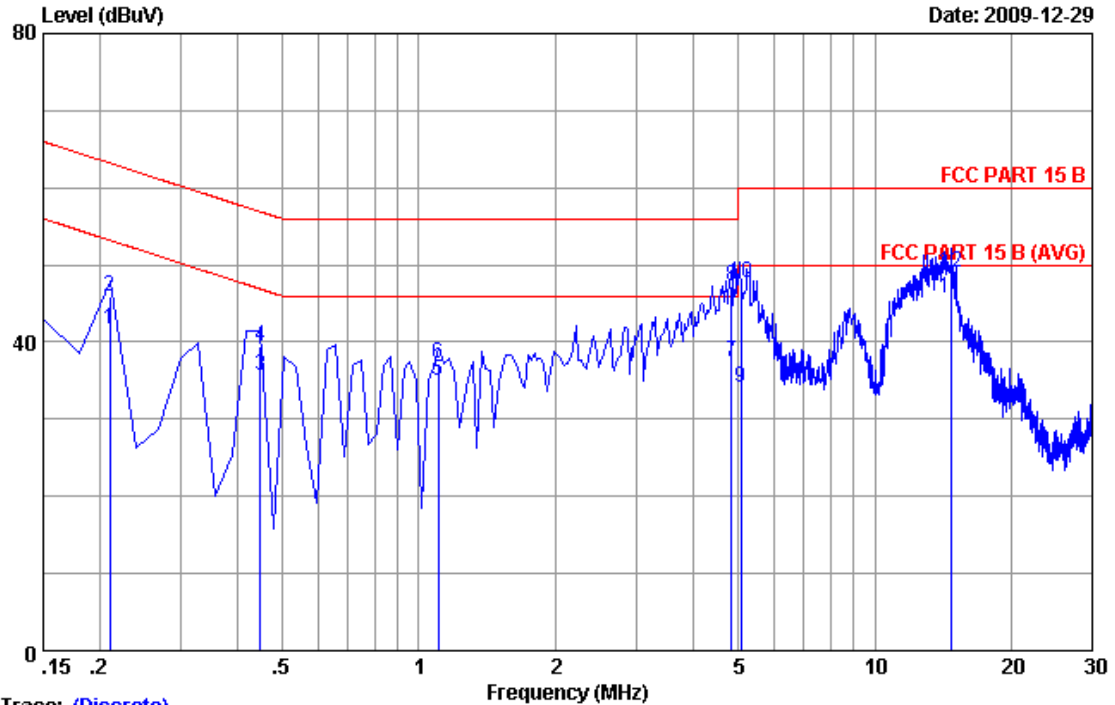


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Data: 58

File: D:\DATA\2009 Report\T\TCL\ACS9Q2082.EM6 (64)

Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :58
 Dis./Ant. **: 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHDE9A
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI1:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.44	9.88	31.46	41.78	53.22	11.44	Average
2	0.20970	0.44	9.88	35.67	45.99	63.22	17.23	QP
3	0.44850	0.35	9.89	25.43	35.67	46.90	11.23	Average
4	0.44850	0.35	9.89	29.24	39.48	56.90	17.42	QP
5	1.105	0.35	9.89	24.74	34.98	46.00	11.02	Average
6	1.105	0.35	9.89	27.06	37.30	56.00	18.70	QP
7	4.850	0.37	9.91	27.20	37.48	46.00	8.52	Average
8	4.850	0.37	9.91	37.00	47.28	56.00	8.72	QP
9	5.080	0.37	9.91	23.80	34.08	50.00	15.92	Average
10	5.080	0.37	9.91	37.50	47.78	60.00	12.22	QP
11	14.740	0.48	9.97	35.30	45.75	50.00	4.25	Average
12	14.740	0.48	9.97	38.50	48.95	60.00	11.05	QP

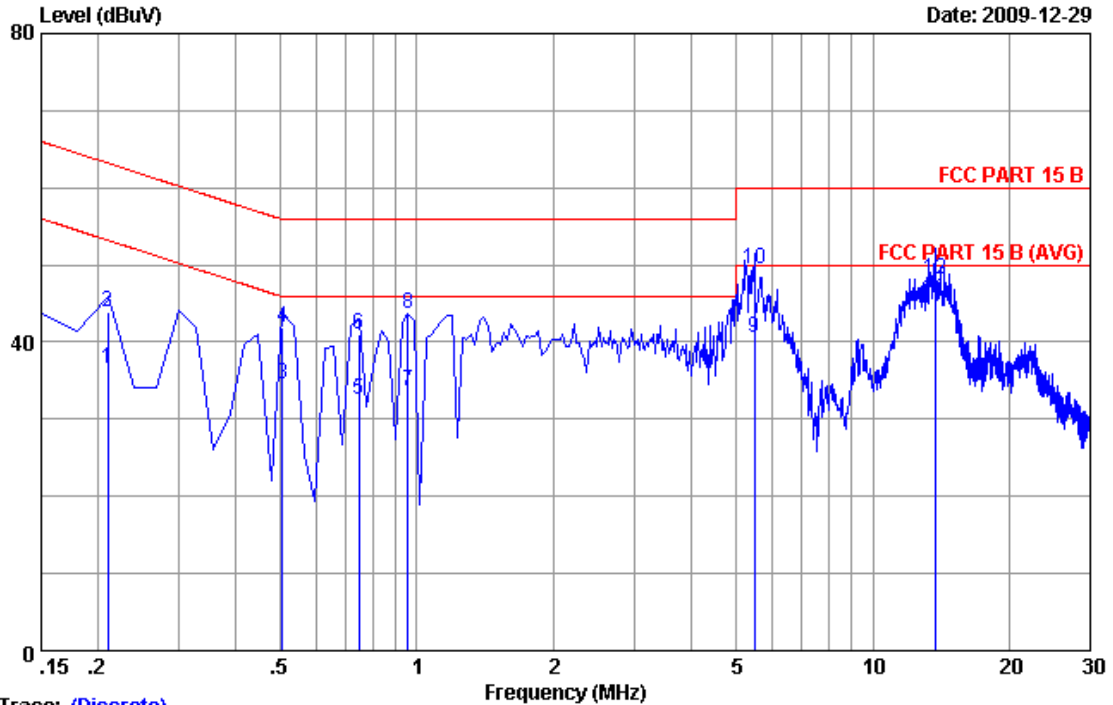
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :59
Dis./Ant. **: 2009 KNW407 VA
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
EUT :LCD TV M/N:L46FHDE9A
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And Playing Music
HDMI2:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.42	9.88	26.31	36.61	53.22	16.61	Average
2	0.20970	0.42	9.88	33.60	43.90	63.22	19.32	QP
3	0.50820	0.34	9.89	24.39	34.62	46.00	11.38	Average
4	0.50820	0.34	9.89	31.77	42.00	56.00	14.00	QP
5	0.74700	0.36	9.89	22.18	32.43	46.00	13.57	Average
6	0.74700	0.36	9.89	30.72	40.97	56.00	15.03	QP
7	0.95595	0.33	9.89	23.40	33.62	46.00	12.38	Average
8	0.95595	0.33	9.89	33.35	43.57	56.00	12.43	QP
9	5.493	0.39	9.91	30.28	40.58	50.00	9.42	Average
10	5.493	0.39	9.91	39.12	49.42	60.00	10.58	QP
11	13.672	0.47	9.96	35.28	45.71	50.00	4.29	Average
12	13.672	0.47	9.96	37.69	48.12	60.00	11.88	QP

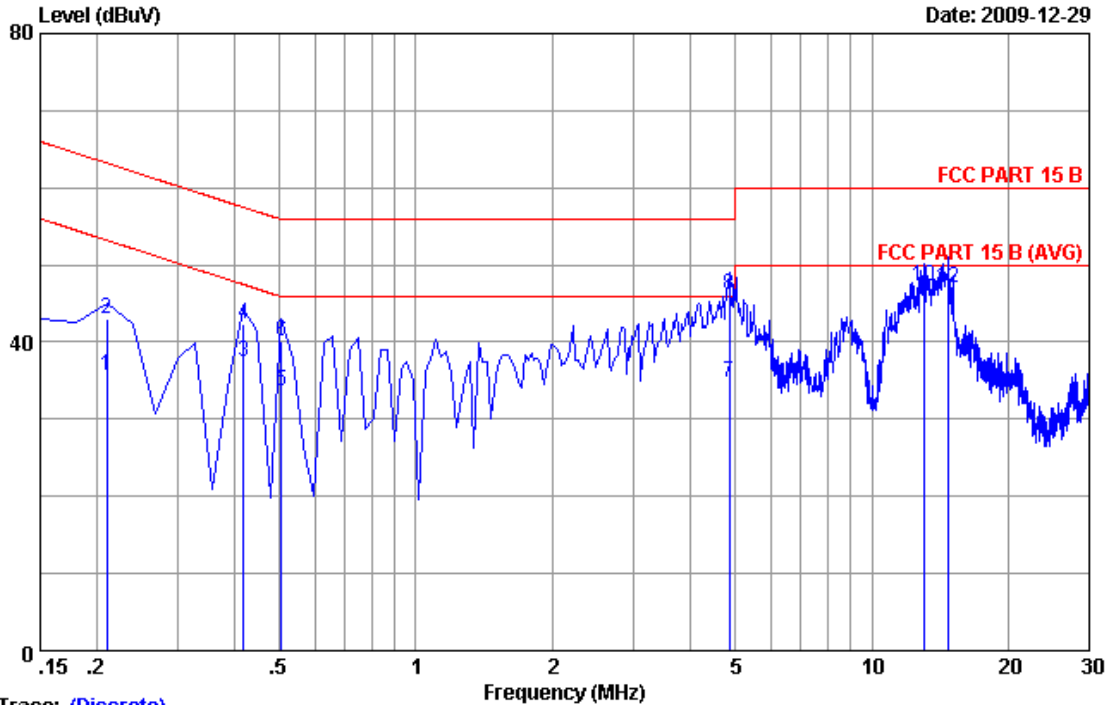
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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :60
 Dis./Ant. **: 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHDE9A
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI2:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.44	9.88	25.31	35.63	53.22	17.59	Average
2	0.20970	0.44	9.88	32.67	42.99	63.22	20.23	QP
3	0.41865	0.36	9.89	27.16	37.41	47.47	10.06	Average
4	0.41865	0.36	9.89	32.11	42.36	57.47	15.11	QP
5	0.50820	0.35	9.89	23.37	33.61	46.00	12.39	Average
6	0.50820	0.35	9.89	29.83	40.07	56.00	15.93	QP
7	4.866	0.37	9.91	24.42	34.70	46.00	11.30	Average
8	4.866	0.37	9.91	35.78	46.06	56.00	9.94	QP
9	13.015	0.47	9.96	35.49	45.92	50.00	4.08	Average
10	13.015	0.47	9.96	36.76	47.19	60.00	12.81	QP
11	14.747	0.48	9.97	35.42	45.87	50.00	4.13	Average
12	14.747	0.48	9.97	36.61	47.06	60.00	12.94	QP

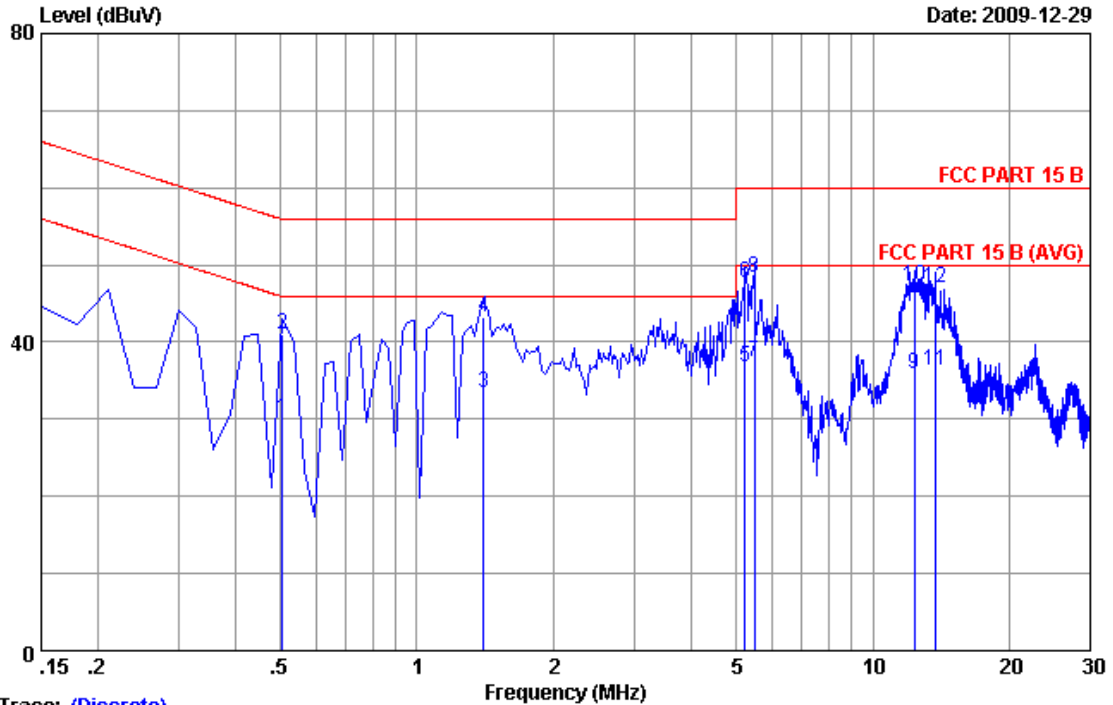
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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :61
Dis./Ant. **: 2009 KNW407 VA
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
EUT :LCD TV M/N:L46FHDE9A
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And Playing Music
HDMI3:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.50820	0.34	9.89	19.80	30.03	46.00	15.97	Average
2	0.50820	0.34	9.89	30.77	41.00	56.00	15.00	QP
3	1.404	0.34	9.89	23.31	33.54	46.00	12.46	Average
4	1.404	0.34	9.89	32.93	43.16	56.00	12.84	QP
5	5.254	0.39	9.91	26.50	36.80	50.00	13.20	Average
6	5.254	0.39	9.91	37.39	47.69	60.00	12.31	QP
7	5.493	0.39	9.91	27.10	37.40	50.00	12.60	Average
8	5.493	0.39	9.91	38.12	48.42	60.00	11.58	QP
9	12.329	0.46	9.95	25.40	35.81	50.00	14.19	Average
10	12.329	0.46	9.95	36.80	47.21	60.00	12.79	QP
11	13.672	0.47	9.96	25.91	36.34	50.00	13.66	Average
12	13.672	0.47	9.96	36.69	47.12	60.00	12.88	QP

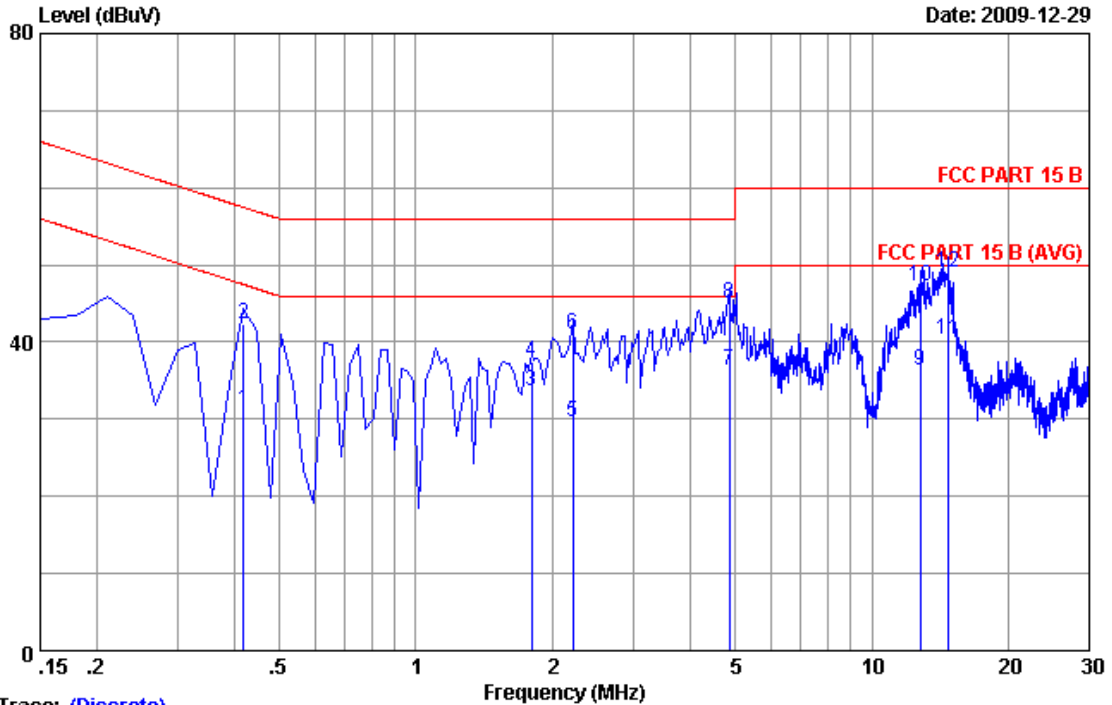
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :62
 Dis./Ant. **: 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHDE9A
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI3:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.41865	0.36	9.89	20.90	31.15	47.47	16.32	Average
2	0.41865	0.36	9.89	32.11	42.36	57.47	15.11	QP
3	1.792	0.36	9.89	23.30	33.55	46.00	12.45	Average
4	1.792	0.36	9.89	27.21	37.46	56.00	18.54	QP
5	2.210	0.36	9.90	19.40	29.66	46.00	16.34	Average
6	2.210	0.36	9.90	30.82	41.08	56.00	14.92	QP
7	4.866	0.37	9.91	26.10	36.38	46.00	9.62	Average
8	4.866	0.37	9.91	34.78	45.06	56.00	10.94	QP
9	12.806	0.47	9.96	25.90	36.33	50.00	13.67	Average
10	12.806	0.47	9.96	36.78	47.21	60.00	12.79	QP
11	14.747	0.48	9.97	29.80	40.25	50.00	9.75	Average
12	14.747	0.48	9.97	38.61	49.06	60.00	10.94	QP

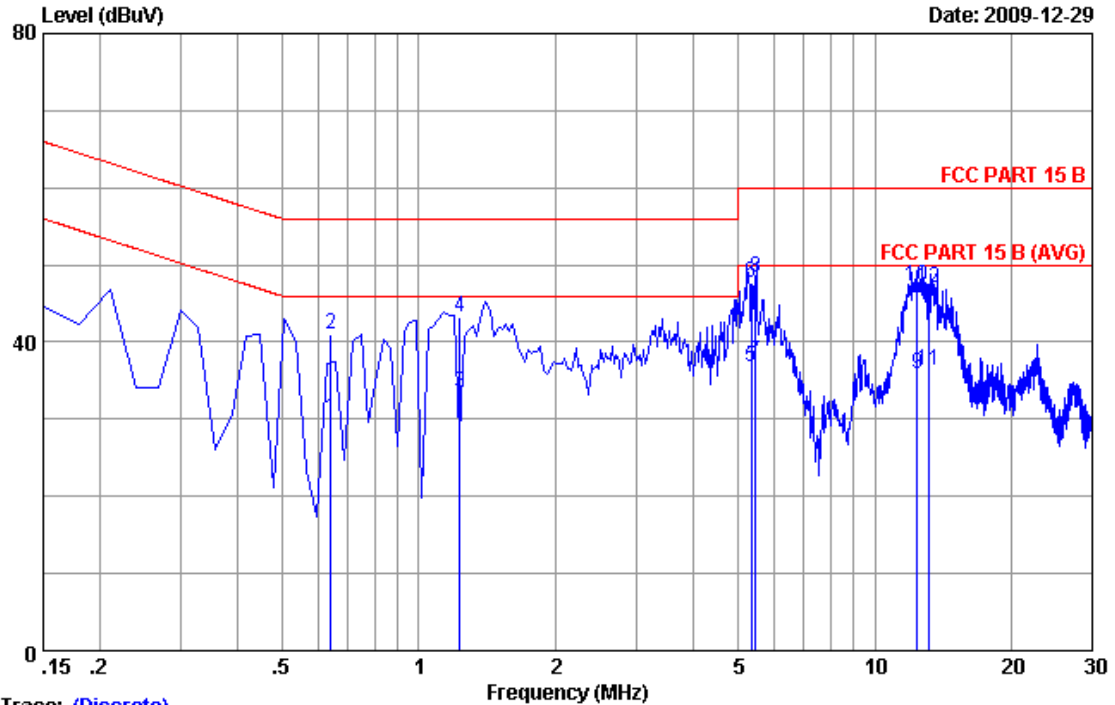
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :64
Dis./Ant. **: 2009 KNW407 VA
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
EUT :LCD TV M/N:L46FHDE9A
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And Playing Music
HDMI4:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.64000	0.36	9.89	19.78	30.03	46.00	15.97	Average
2	0.64000	0.36	9.89	30.75	41.00	56.00	15.00	QP
3	1.230	0.34	9.89	23.31	33.54	46.00	12.46	Average
4	1.230	0.34	9.89	32.93	43.16	56.00	12.84	QP
5	5.350	0.39	9.91	26.50	36.80	50.00	13.20	Average
6	5.350	0.39	9.91	37.39	47.69	60.00	12.31	QP
7	5.490	0.39	9.91	27.10	37.40	50.00	12.60	Average
8	5.490	0.39	9.91	38.12	48.42	60.00	11.58	QP
9	12.400	0.46	9.96	25.39	35.81	50.00	14.19	Average
10	12.400	0.46	9.96	36.79	47.21	60.00	12.79	QP
11	13.200	0.47	9.96	25.91	36.34	50.00	13.66	Average
12	13.200	0.47	9.96	36.69	47.12	60.00	12.88	QP

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

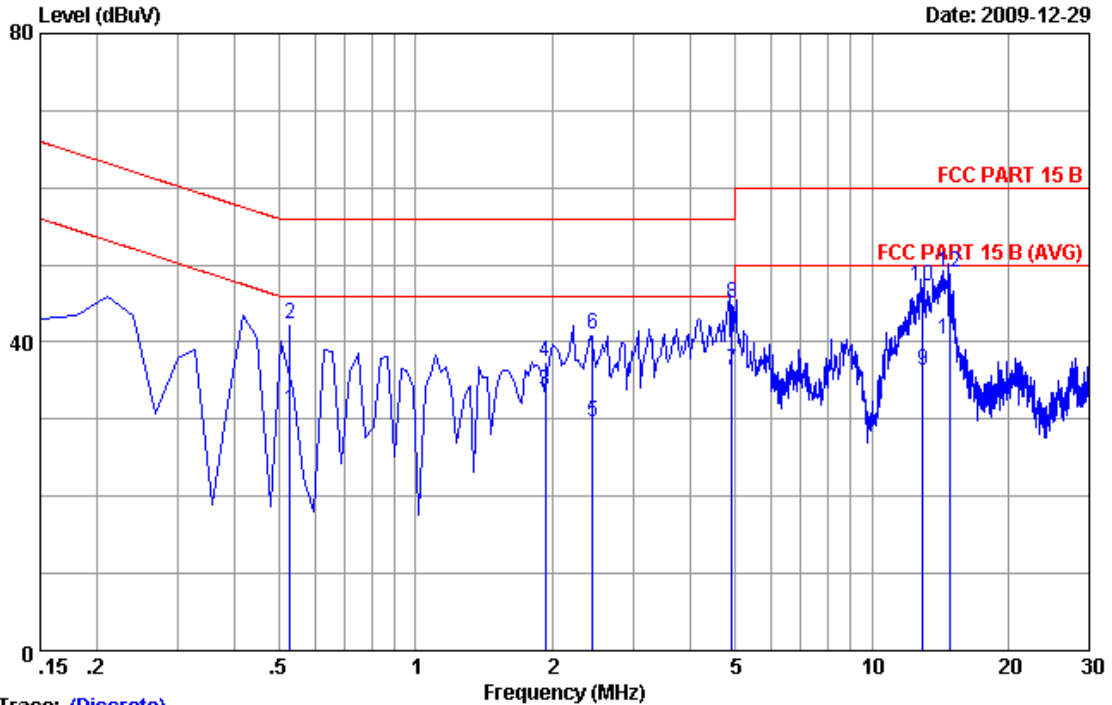


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Data: 63

File: D:\DATA\2009 Report\TCL\ACS9Q2082.EM6 (64)

Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :63
 Dis./Ant. **: 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHDE9A
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI4:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.53000	0.35	9.89	20.91	31.15	46.00	14.85	Average
2	0.53000	0.35	9.89	32.12	42.36	56.00	13.64	QP
3	1.920	0.36	9.90	23.29	33.55	46.00	12.45	Average
4	1.920	0.36	9.90	27.20	37.46	56.00	18.54	QP
5	2.445	0.37	9.90	19.39	29.66	46.00	16.34	Average
6	2.445	0.37	9.90	30.81	41.08	56.00	14.92	QP
7	4.933	0.37	9.91	26.10	36.38	46.00	9.62	Average
8	4.933	0.37	9.91	34.78	45.06	56.00	10.94	QP
9	12.950	0.47	9.96	25.90	36.33	50.00	13.67	Average
10	12.950	0.47	9.96	36.78	47.21	60.00	12.79	QP
11	14.820	0.48	9.97	29.80	40.25	50.00	9.75	Average
12	14.820	0.48	9.97	38.61	49.06	60.00	10.94	QP

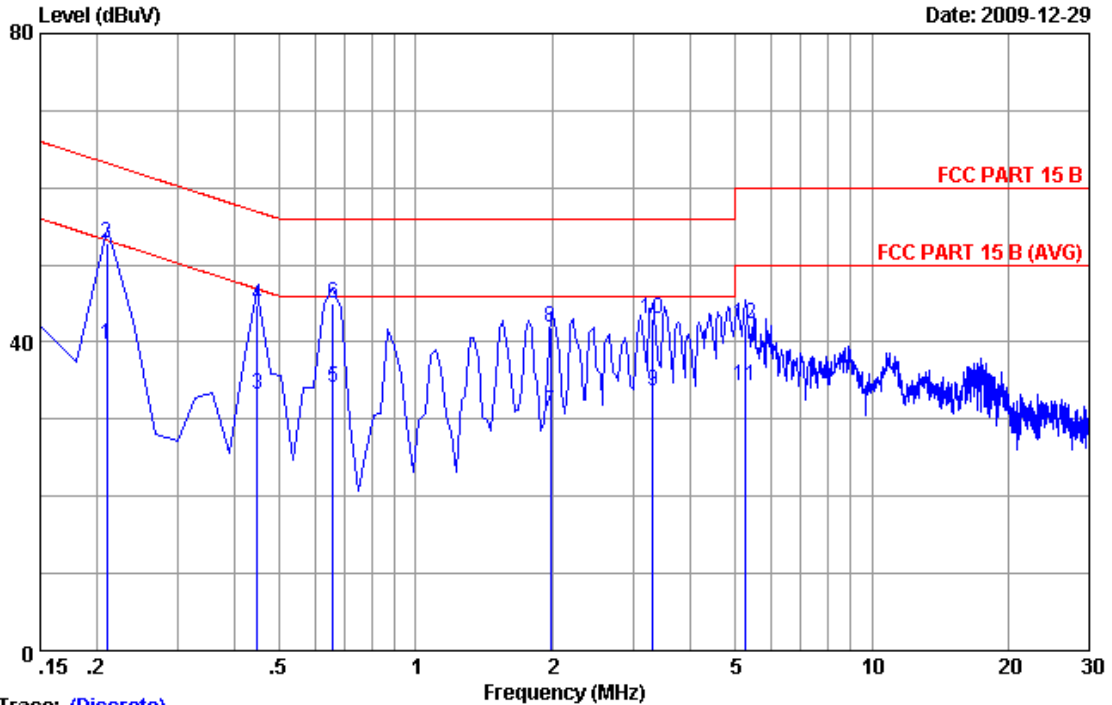
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :50
 Dis./Ant. **: 2009 KNW407 VA
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI1:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.42	9.88	29.30	39.60	53.22	13.62	Average
2	0.20970	0.42	9.88	42.54	52.84	63.22	10.38	QP
3	0.44850	0.34	9.89	22.90	33.13	46.90	13.77	Average
4	0.44850	0.34	9.89	34.65	44.88	56.90	12.02	QP
5	0.65745	0.36	9.89	23.90	34.15	46.00	11.85	Average
6	0.65745	0.36	9.89	34.77	45.02	56.00	10.98	QP
7	1.971	0.36	9.90	20.70	30.96	46.00	15.04	Average
8	1.971	0.36	9.90	31.59	41.85	56.00	14.15	QP
9	3.314	0.36	9.91	23.30	33.57	46.00	12.43	Average
10	3.314	0.36	9.91	32.72	42.99	56.00	13.01	QP
11	5.284	0.39	9.91	24.10	34.40	50.00	15.60	Average
12	5.284	0.39	9.91	32.07	42.37	60.00	17.63	QP

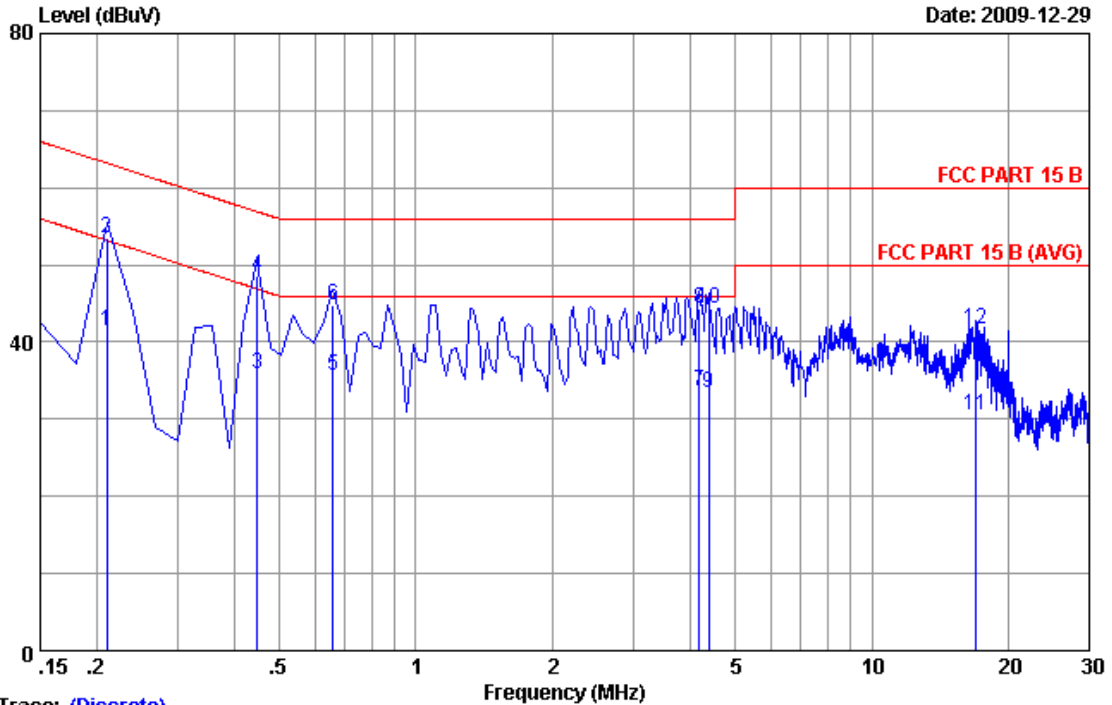
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :49
 Dis./Ant. :** 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI1:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.44	9.88	31.10	41.42	53.22	11.80	Average
2	0.20970	0.44	9.88	43.13	53.45	63.22	9.77	QP
3	0.44850	0.35	9.89	25.60	35.84	46.90	11.06	Average
4	0.44850	0.35	9.89	38.35	48.59	56.90	8.31	QP
5	0.65745	0.35	9.89	25.40	35.64	46.00	10.36	Average
6	0.65745	0.35	9.89	34.66	44.90	56.00	11.10	QP
7	4.180	0.37	9.91	23.40	33.68	46.00	12.32	Average
8	4.180	0.37	9.91	34.14	44.42	56.00	11.58	QP
9	4.389	0.37	9.91	23.10	33.38	46.00	12.62	Average
10	4.389	0.37	9.91	34.05	44.33	56.00	11.67	QP
11	16.866	0.51	9.98	20.11	30.60	50.00	19.40	Average
12	16.866	0.51	9.98	31.24	41.73	60.00	18.27	QP

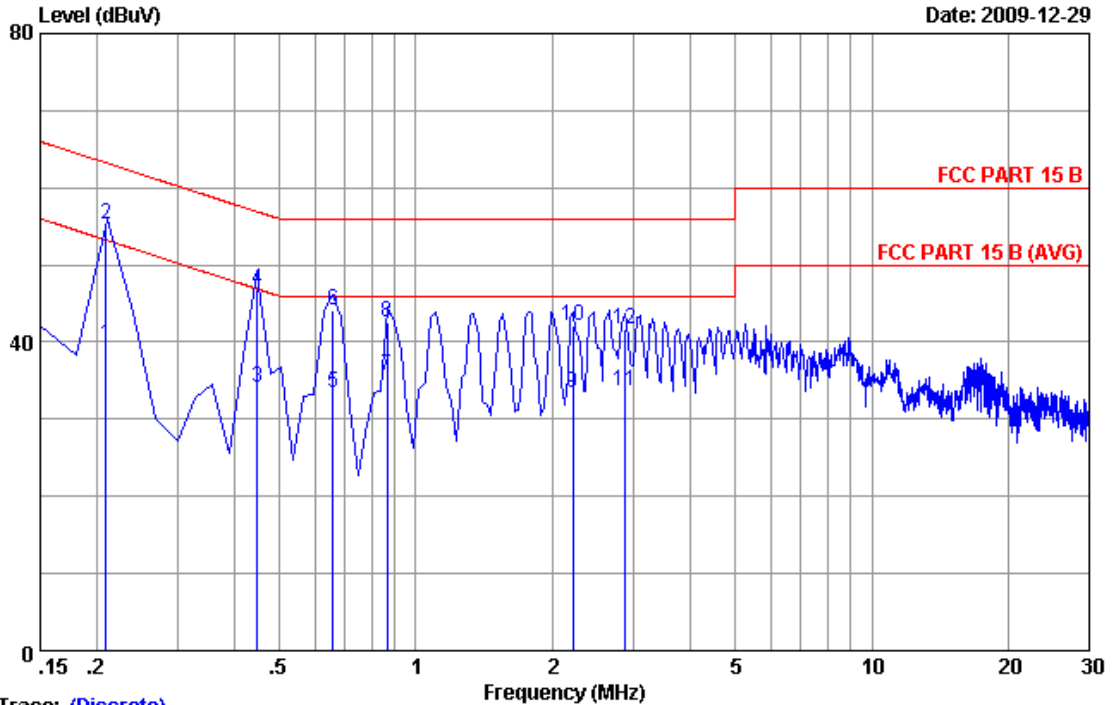
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :52
 Dis./Ant. **: 2009 KNW407 VA
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI2:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20900	0.42	9.88	29.40	39.70	53.24	13.54	Average
2	0.20900	0.42	9.88	45.00	55.30	63.24	7.94	QP
3	0.44850	0.34	9.89	23.94	34.17	46.90	12.73	Average
4	0.44850	0.34	9.89	36.65	46.88	56.90	10.02	QP
5	0.65745	0.36	9.89	23.16	33.41	46.00	12.59	Average
6	0.65745	0.36	9.89	33.77	44.02	56.00	11.98	QP
7	0.86640	0.34	9.89	25.32	35.55	46.00	10.45	Average
8	0.86640	0.34	9.89	32.42	42.65	56.00	13.35	QP
9	2.210	0.36	9.90	23.13	33.39	46.00	12.61	Average
10	2.210	0.36	9.90	31.75	42.01	56.00	13.99	QP
11	2.866	0.36	9.91	23.42	33.69	46.00	12.31	Average
12	2.866	0.36	9.91	31.37	41.64	56.00	14.36	QP

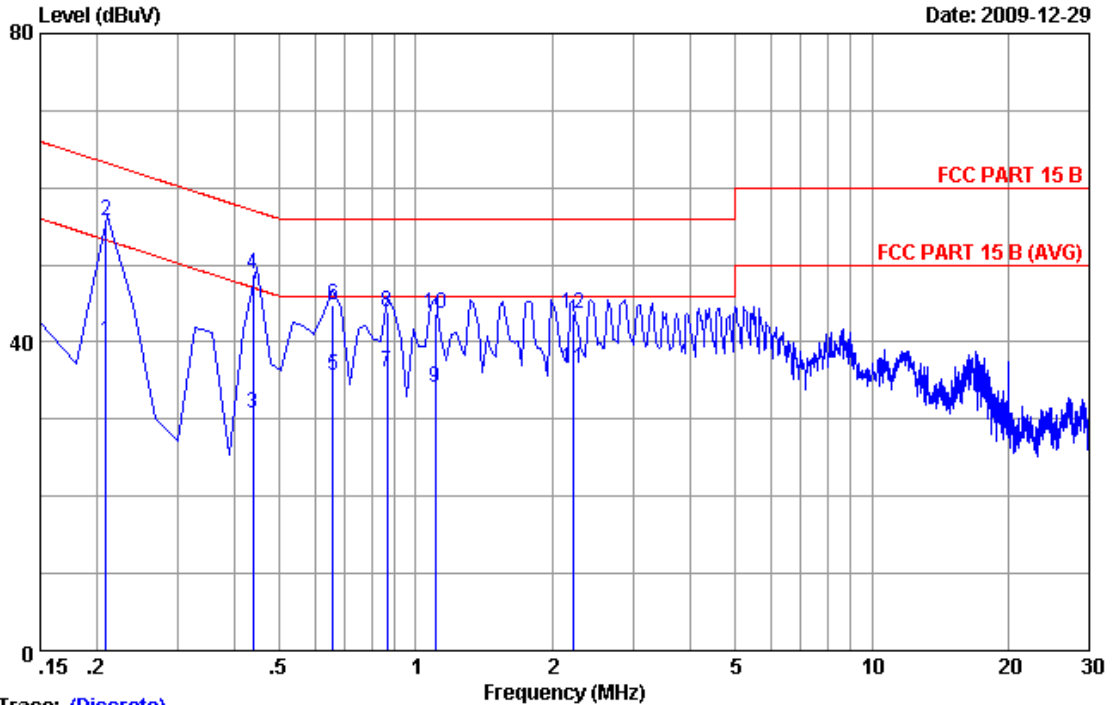
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :51
 Dis./Ant. **: 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI2:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20900	0.44	9.88	29.80	40.12	53.24	13.12	Average
2	0.20900	0.44	9.88	45.50	55.82	63.24	7.42	QP
3	0.44000	0.36	9.89	20.59	30.84	47.06	16.22	Average
4	0.44000	0.36	9.89	38.49	48.74	57.06	8.32	QP
5	0.65745	0.35	9.89	25.46	35.70	46.00	10.30	Average
6	0.65745	0.35	9.89	34.66	44.90	56.00	11.10	QP
7	0.86640	0.35	9.89	25.76	36.00	46.00	10.00	Average
8	0.86640	0.35	9.89	33.64	43.88	56.00	12.12	QP
9	1.105	0.35	9.89	23.82	34.06	46.00	11.94	Average
10	1.105	0.35	9.89	33.48	43.72	56.00	12.28	QP
11	2.210	0.36	9.90	26.31	36.57	46.00	9.43	Average
12	2.210	0.36	9.90	33.31	43.57	56.00	12.43	QP

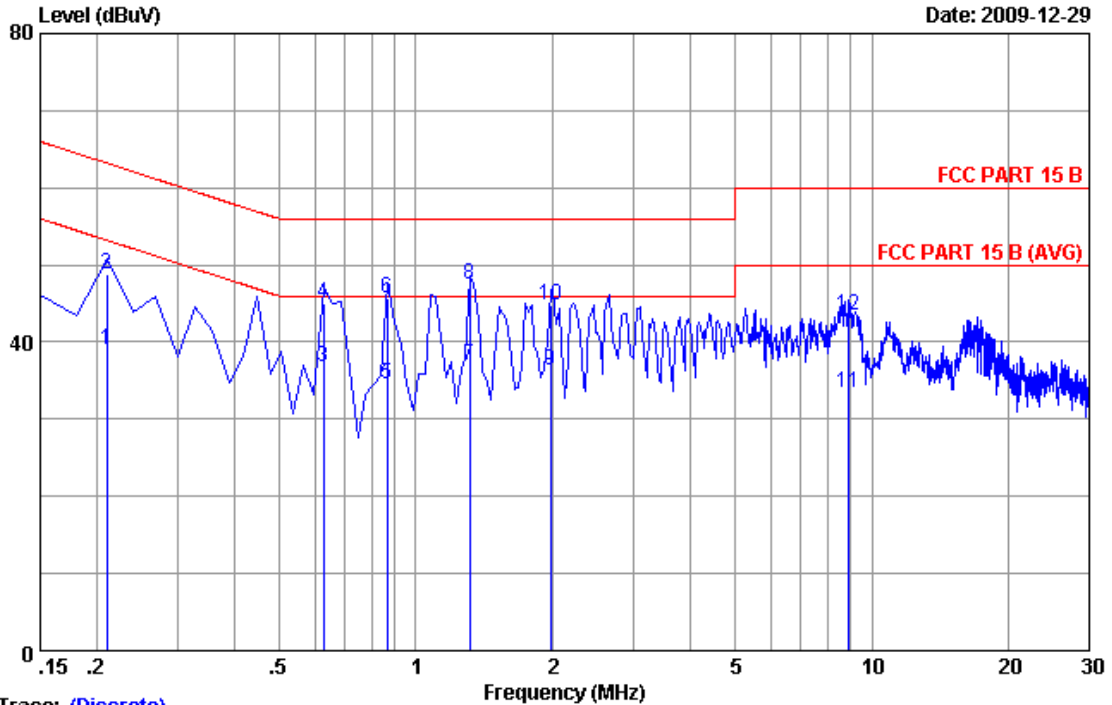
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :54
 Dis./Ant. **: 2009 KNW407 VA
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI3:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.42	9.88	28.79	39.09	53.22	14.13	Average
2	0.20970	0.42	9.88	38.54	48.84	63.22	14.38	QP
3	0.62760	0.36	9.89	26.43	36.68	46.00	9.32	Average
4	0.62760	0.36	9.89	34.87	45.12	56.00	10.88	QP
5	0.86640	0.34	9.89	24.35	34.58	46.00	11.42	Average
6	0.86640	0.34	9.89	35.42	45.65	56.00	10.35	QP
7	1.314	0.34	9.89	26.71	36.94	46.00	9.06	Average
8	1.314	0.34	9.89	37.26	47.49	56.00	8.51	QP
9	1.971	0.36	9.90	26.13	36.39	46.00	9.61	Average
10	1.971	0.36	9.90	34.59	44.85	56.00	11.15	QP
11	8.926	0.42	9.94	23.16	33.52	50.00	16.48	Average
12	8.926	0.42	9.94	33.17	43.53	60.00	16.47	QP

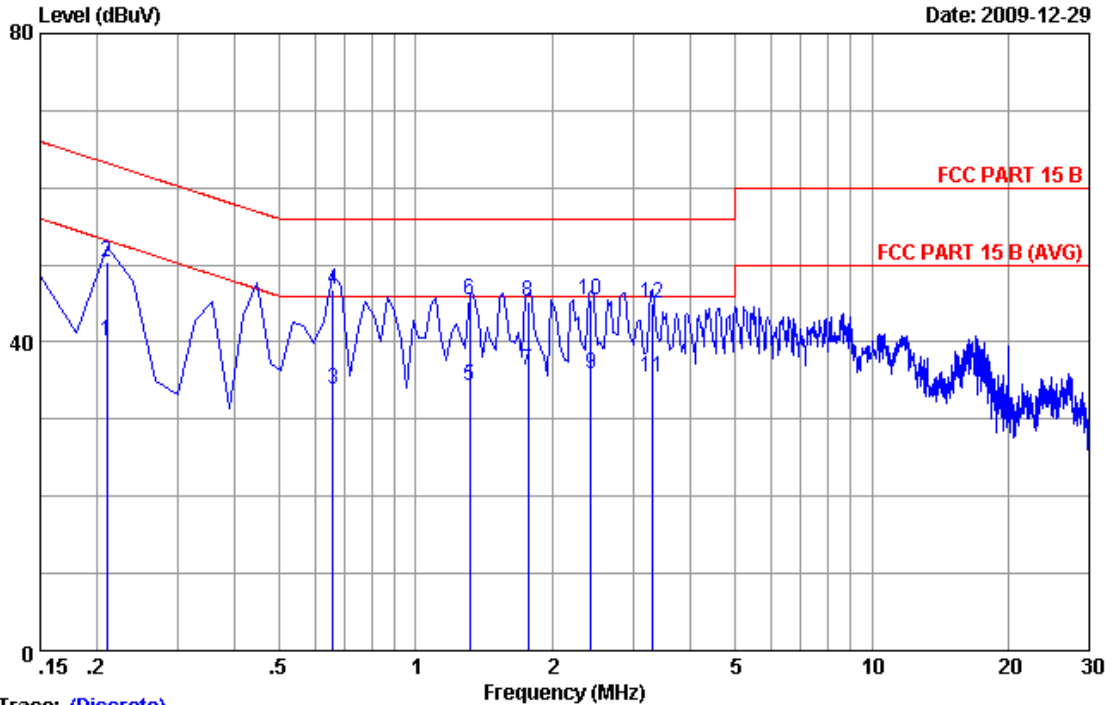
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :53
 Dis./Ant. **: 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI3:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20970	0.44	9.88	29.87	40.19	53.22	13.03	Average
2	0.20970	0.44	9.88	40.13	50.45	63.22	12.77	QP
3	0.65745	0.35	9.89	23.68	33.92	46.00	12.08	Average
4	0.65745	0.35	9.89	36.66	46.90	56.00	9.10	QP
5	1.314	0.35	9.89	24.18	34.42	46.00	11.58	Average
6	1.314	0.35	9.89	35.15	45.39	56.00	10.61	QP
7	1.762	0.36	9.89	26.16	36.41	46.00	9.59	Average
8	1.762	0.36	9.89	35.00	45.25	56.00	10.75	QP
9	2.419	0.36	9.90	25.65	35.91	46.00	10.09	Average
10	2.419	0.36	9.90	35.21	45.47	56.00	10.53	QP
11	3.314	0.37	9.91	25.13	35.41	46.00	10.59	Average
12	3.314	0.37	9.91	34.63	44.91	56.00	11.09	QP

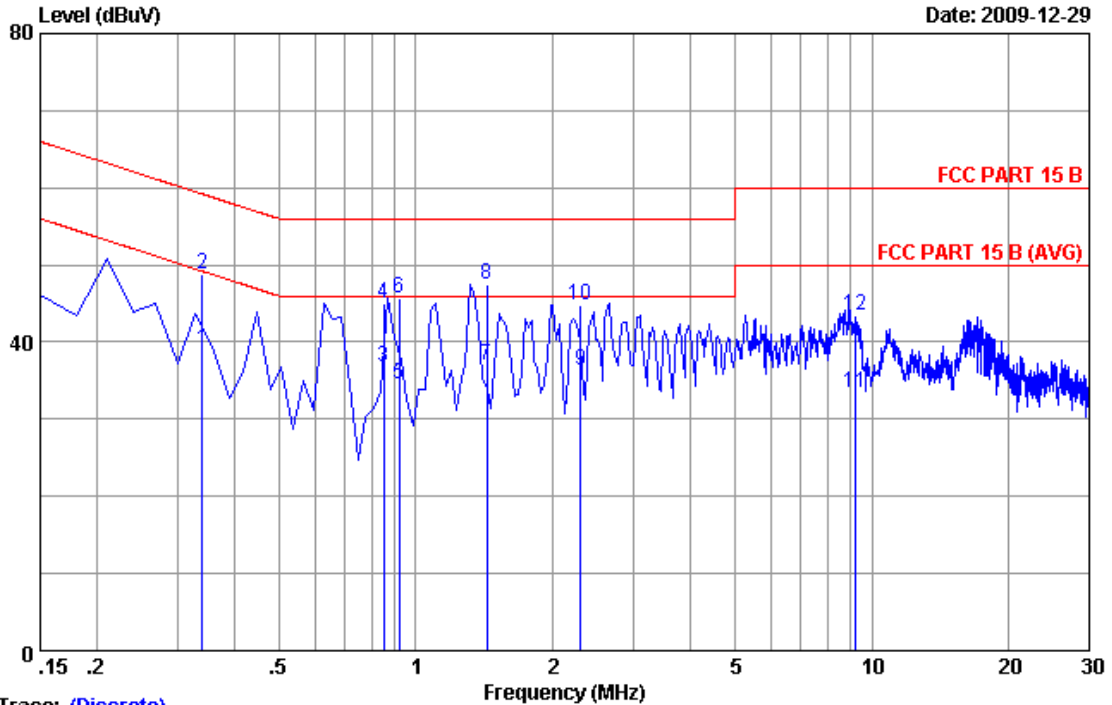
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :56
 Dis./Ant. **: 2009 KNW407 VA
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI4:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.34000	0.36	9.89	28.84	39.09	49.20	10.11	Average
2	0.34000	0.36	9.89	38.59	48.84	59.20	10.36	QP
3	0.85000	0.34	9.89	26.45	36.68	46.00	9.32	Average
4	0.85000	0.34	9.89	34.89	45.12	56.00	10.88	QP
5	0.92000	0.33	9.89	24.36	34.58	46.00	11.42	Average
6	0.92000	0.33	9.89	35.43	45.65	56.00	10.35	QP
7	1.430	0.35	9.89	26.70	36.94	46.00	9.06	Average
8	1.430	0.35	9.89	37.25	47.49	56.00	8.51	QP
9	2.300	0.36	9.90	26.13	36.39	46.00	9.61	Average
10	2.300	0.36	9.90	34.59	44.85	56.00	11.15	QP
11	9.200	0.42	9.94	23.16	33.52	50.00	16.48	Average
12	9.200	0.42	9.94	33.17	43.53	60.00	16.47	QP

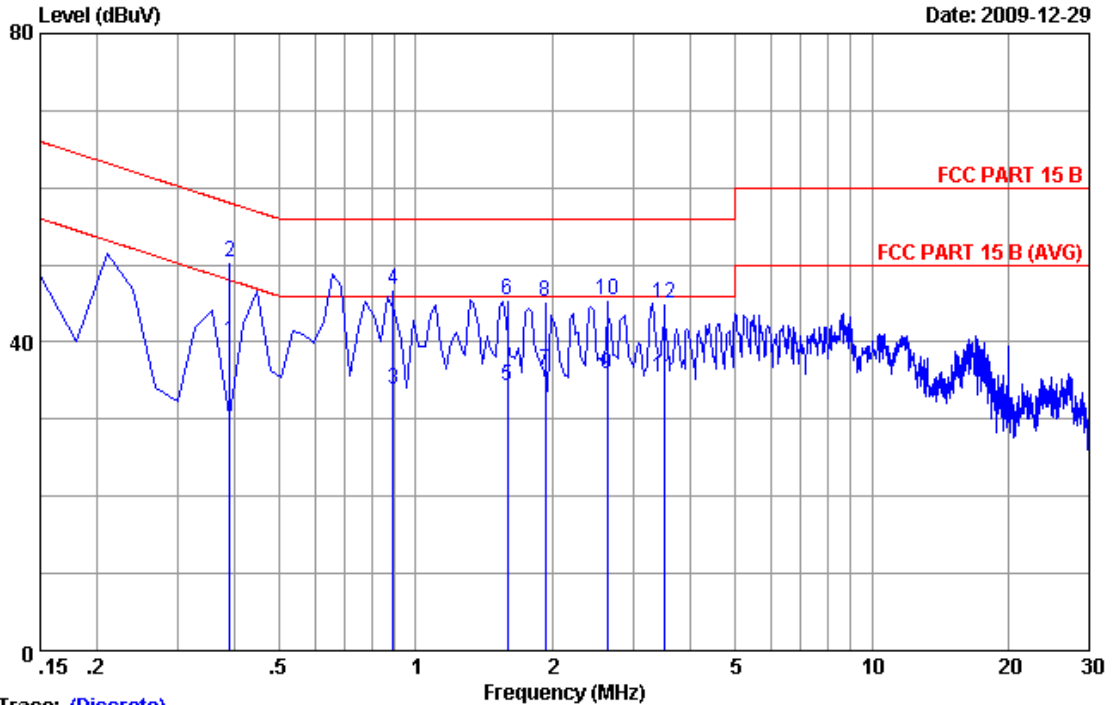
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



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Data: 55 File: D:\DATA\2009 Report\TCL\ACS9Q2082.EM6 (64)

Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :55
 Dis./Ant. **: 2009 KNW407 VB
 Limit :FCC PART 15 B
 Env./Ins. :Temp:23'C Humi:54% Engineer :Mario_Wu
 EUT :LCD TV M/N:L46FHD2XF11
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 HDMI4:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.39000	0.36	9.89	29.94	40.19	48.06	7.87	Average
2	0.39000	0.36	9.89	40.20	50.45	58.06	7.61	QP
3	0.89000	0.35	9.89	23.68	33.92	46.00	12.08	Average
4	0.89000	0.35	9.89	36.66	46.90	56.00	9.10	QP
5	1.590	0.36	9.89	24.17	34.42	46.00	11.58	Average
6	1.590	0.36	9.89	35.14	45.39	56.00	10.61	QP
7	1.920	0.36	9.90	26.15	36.41	46.00	9.59	Average
8	1.920	0.36	9.90	34.99	45.25	56.00	10.75	QP
9	2.630	0.37	9.90	25.64	35.91	46.00	10.09	Average
10	2.630	0.37	9.90	35.20	45.47	56.00	10.53	QP
11	3.510	0.37	9.91	25.13	35.41	46.00	10.59	Average
12	3.510	0.37	9.91	34.63	44.91	56.00	11.09	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using 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

For frequency range 30MHz~1000MHz (At Anechoic Chamber)

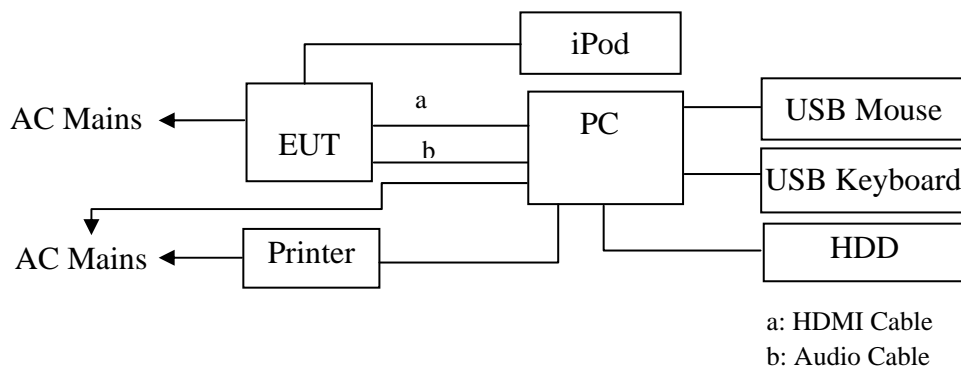
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,09	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 09	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 09	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 09	1 Year
5	Bilog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

For frequency range : Above 1000MHz (At Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 09	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	Nov.25, 09	1.5 Year
3	Amplifier	Agilent	8449B	3008A08495	Aug.04,09	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	Nov.28, 09	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	Nov.28, 09	1 Year

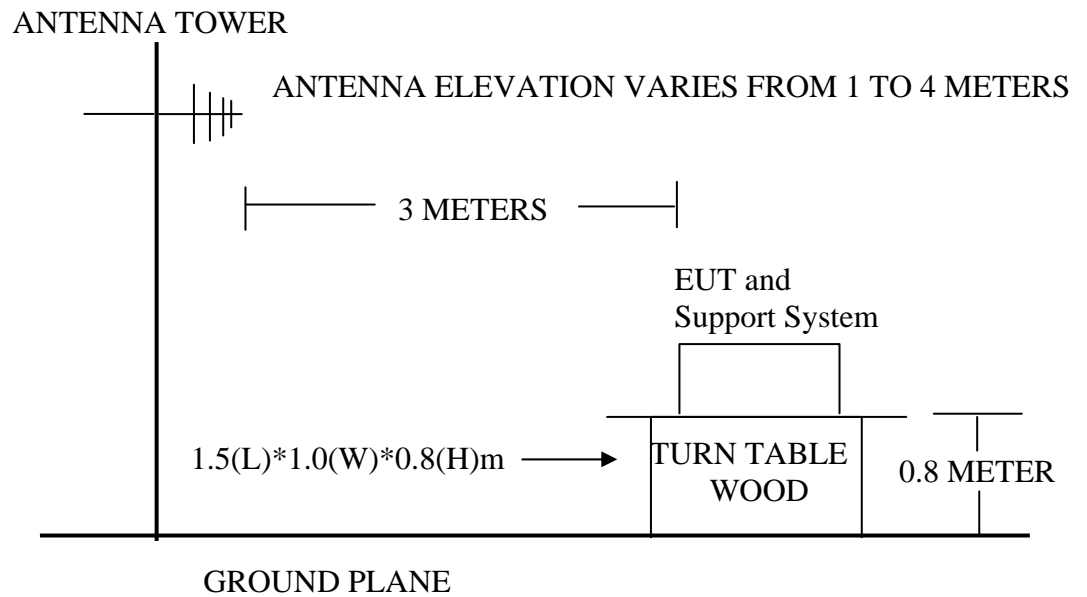
4.2. Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and simulators

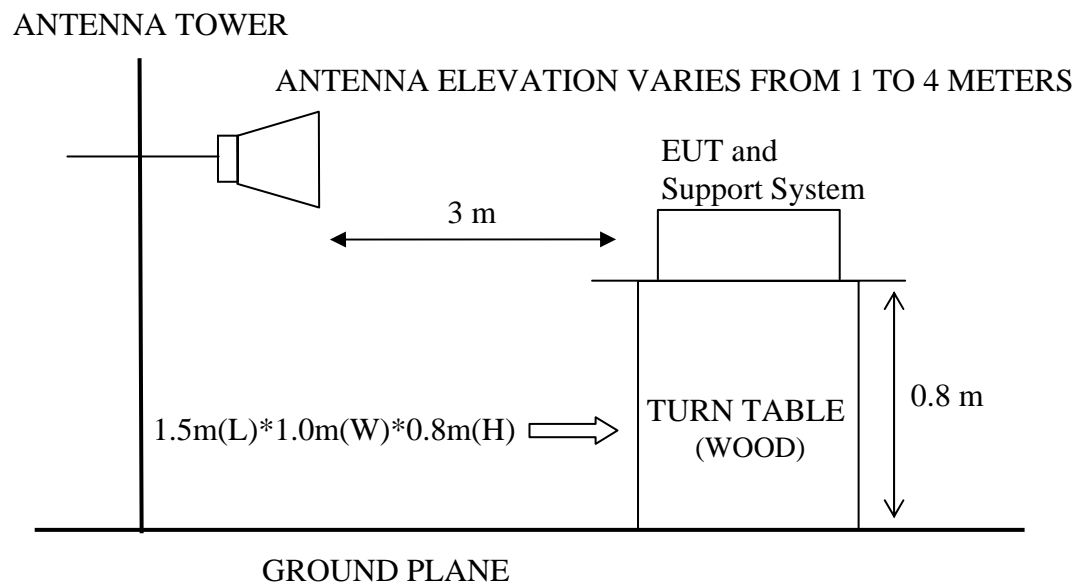


(EUT: LCD TV)

4.2.2. In Anechoic (3m) Chamber Test Setup Diagram for 30MHz~1000MHz



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



4.3. Radiated Emission Limit

Frequency MHz	Distance (Meters)	Field Strengths Limits dB(μ V)/m
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0
Above ~ 1000	3	74.0 dB(μ V)/m (Peak) 54.0 dB(μ V)/m (Average)

- Remark :
- (1) Emission level dB μ V = 20 log Emission level μ V/m
 - (2) The smaller limit shall apply at the cross point between two frequency bands.
 - (3) The emissions above 1GHz should comply with average limit and peak limit.

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 : L46FHD2XF1; 1L46FHDE9A
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 work in test mode (Running “H” Pattern and Playing Music HDMI 1080P), Adjust the brightness & contrast 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 setting on the test receiver (R&S TEST RECEIVER ESVS10) is 120 kHz.

The resolution bandwidth of the Agilent Spectrum Analyzer E4446A was set at 1MHz. (For above 1GHz)

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.

The frequency range from 1GHz to 6GHz was checked with peak and average detector, measurement distance is 3m in 3m chamber.

Finally, selected operating situations at Anechoic Chamber measurement, all the test results are listed in section 4.7.

4.7. Radiated Disturbance Test Results

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

For frequency range 30MHz~1000MHz

The EUT with the following test modes were tested and selected (mode 1~8) to read Q.P values, all the test results are listed in next pages.

EUT: LCD TV

Model No. : L46FHDE9A; L46FHD2XF11

Test Date: Jan.09, 2010

Temperature: 24°C

Humidity: 56%

The details of test modes are as follows :

No.	M/N	Test Mode	Resolution & Frequency	Reference Test Data No.	
				Horizontal	Vertical
1.	L46FHDE9A	Running "H" Pattern and Playing Music	HDMI1 1080P	#36	#35
2.			HDMI2 1080P	#38	#37
3.			HDMI3 1080P	#33	#34
4.			HDMI4 1080P	#39	#40
5.	L46FHD2XF11	Running "H" Pattern and Playing Music	HDMI1 1080P	#29	#30
6. ※			HDMI2 1080P	#32	#31
7.			HDMI3 1080P	#28	#27
8.			HDMI4 1080P	#25	#26

(※ Worst test mode)

For frequency range 1GHz~6GHz

The EUT with below test mode 1~8 were measured within Anechoic Chamber and the test results listed in next pages.

All the PK emissions were comply with average limit, so the average level were deemed to comply with average limit

Test Date: Jan. 13, 2010

Temperature: 24°C

Humidity: 56%

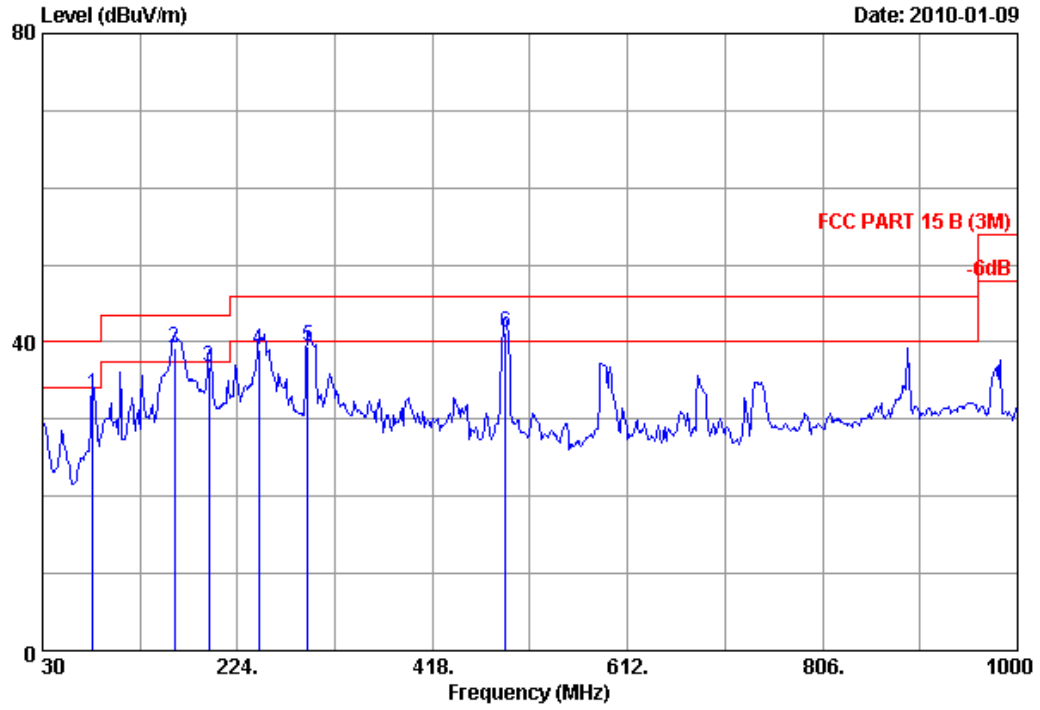
No.	M/N	Test Mode	Resolution & Frequency	Reference Test Data No.	
				Horizontal	Vertical
1.	L46FHDE9A	Running "H" Pattern and Playing Music	HDMI1 1080P	#93, #95	#94, #96
2.			HDMI2 1080P	#89, #91	#90, #92
3.			HDMI3 1080P	#85, #87	#86, #88
4.			HDMI4 1080P	#81, #83	#82, #84
5.	L46FHD2XF11	Running "H" Pattern and Playing Music	HDMI1 1080P	#77, #79	#78, #80
6.			HDMI2 1080P	#73, #75	#74, #76
7.			HDMI3 1080P	#69, #71	#70, #72
8.			HDMI4 1080P	#65, #67	#66, #68



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Data: 36 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 36
 Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	80.440	7.74	0.81	24.63	33.18	40.00	6.82	QP
2	160.950	10.89	1.14	27.14	39.17	43.50	4.33	QP
3	195.870	9.78	1.29	25.61	36.68	43.50	6.82	QP
4	245.340	12.13	1.61	25.28	39.02	46.00	6.98	QP
5	293.840	13.53	1.72	24.14	39.39	46.00	6.61	QP
6	490.750	17.88	2.22	21.15	41.25	46.00	4.75	QP

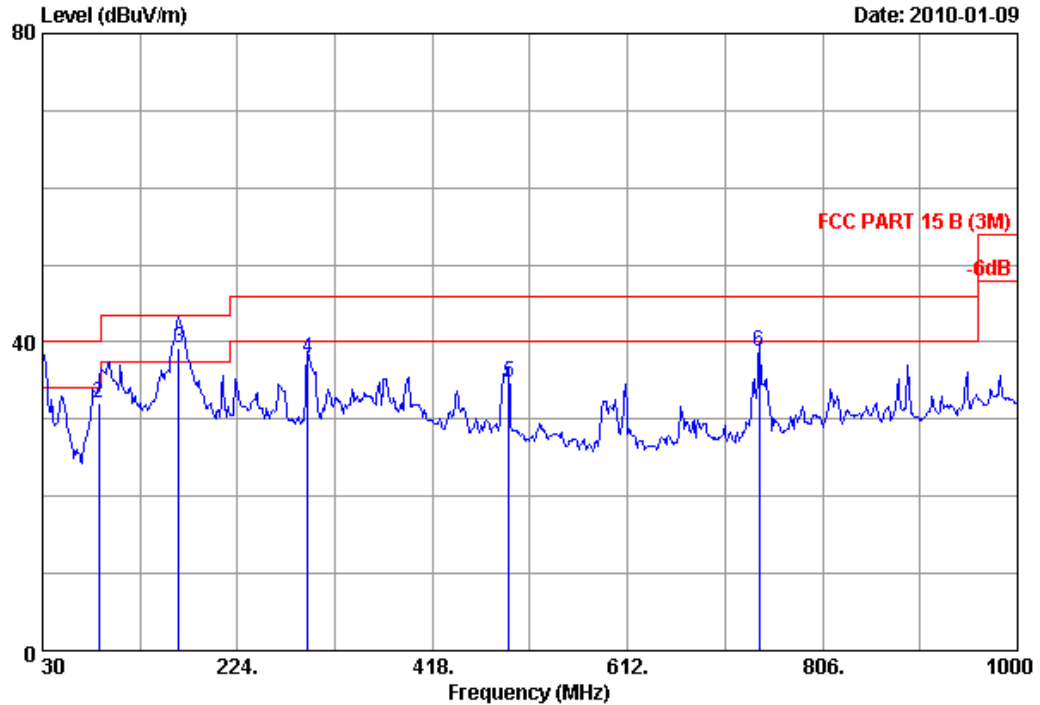
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-09



Site no. : 3m chamber Data no. : 35
 Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	19.86	0.52	15.23	35.61	40.00	4.39	QP
2	86.260	8.48	0.84	22.70	32.02	40.00	7.98	QP
3	165.800	10.50	1.16	27.52	39.18	43.50	4.32	QP
4	293.840	13.53	1.72	22.58	37.83	46.00	8.17	QP
5	493.660	17.93	2.23	14.51	34.67	46.00	11.33	QP
6	742.950	21.42	2.91	14.55	38.88	46.00	7.12	QP

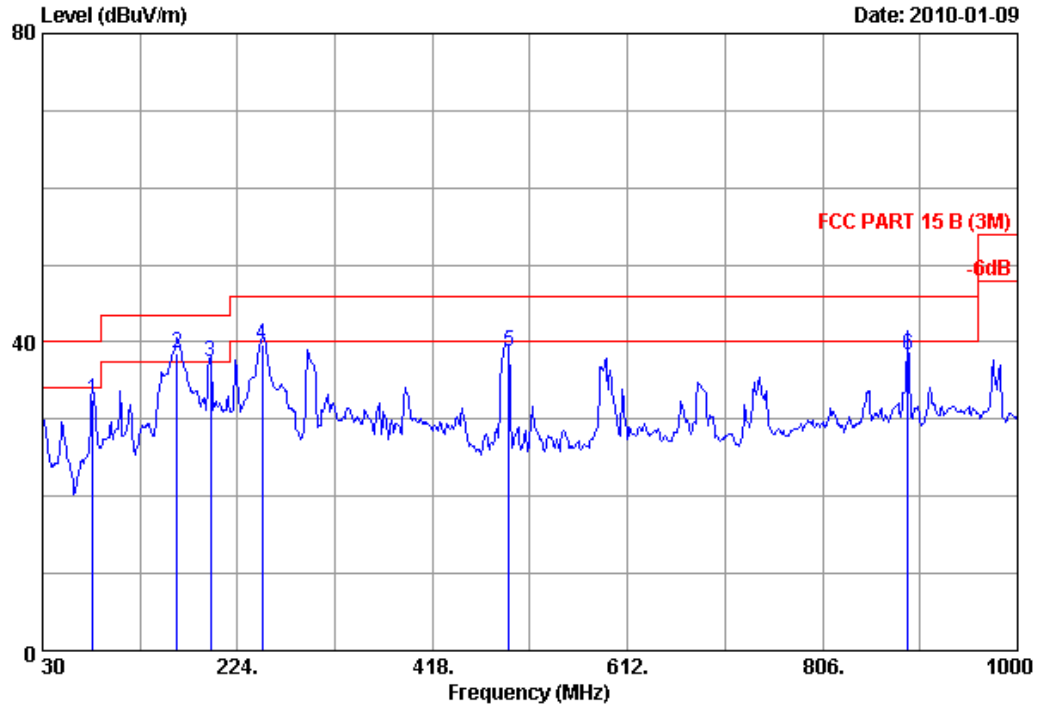
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 38 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 38
Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24°C/56% Engineer : Victory_Cao
EUT : LCD TV M/N:L46FHDE9A
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And Playing Music
HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	80.440	7.74	0.81	23.97	32.52	40.00	7.48	QP
2	163.860	10.66	1.15	26.78	38.59	43.50	4.91	QP
3	196.840	9.82	1.29	26.30	37.41	43.50	6.09	QP
4	248.250	12.44	1.62	25.54	39.60	46.00	6.40	QP
5	493.660	17.93	2.23	18.62	38.78	46.00	7.22	QP
6	891.360	22.53	3.17	12.67	38.37	46.00	7.63	QP

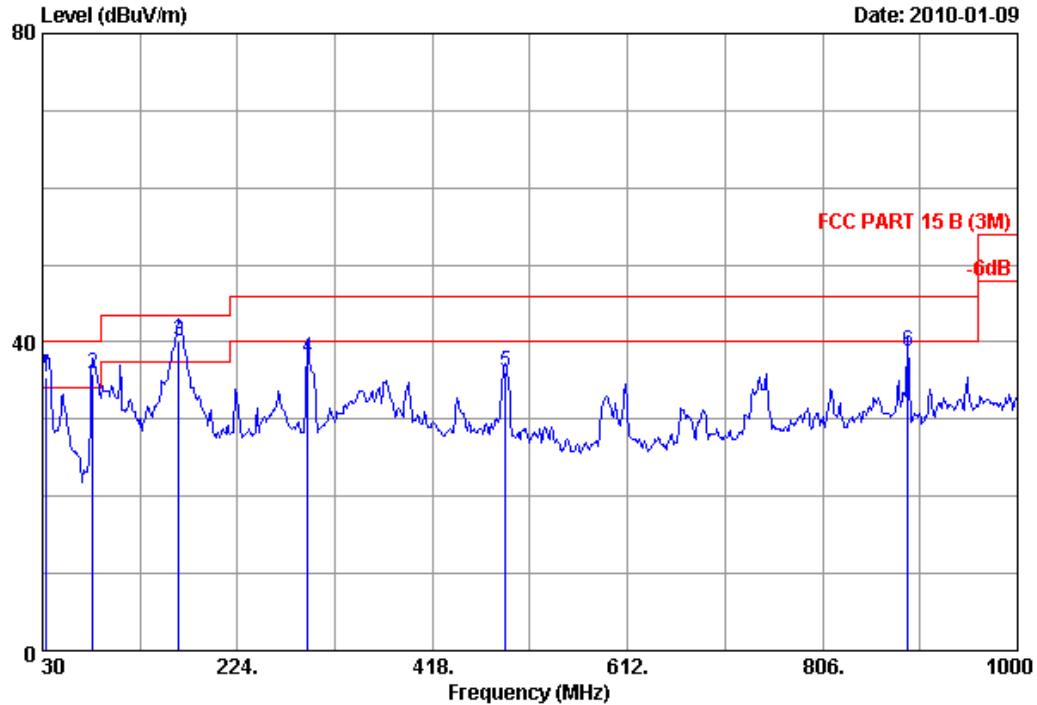
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 37 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 37
 Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	33.880	17.60	0.55	17.23	35.38	40.00	4.62	QP
2	80.440	7.74	0.81	27.24	35.79	40.00	4.21	QP
3	165.800	10.50	1.16	28.40	40.06	43.50	3.44	QP
4	293.840	13.53	1.72	22.73	37.98	46.00	8.02	QP
5	490.750	17.88	2.22	16.00	36.10	46.00	9.90	QP
6	891.360	22.53	3.17	13.06	38.76	46.00	7.24	QP

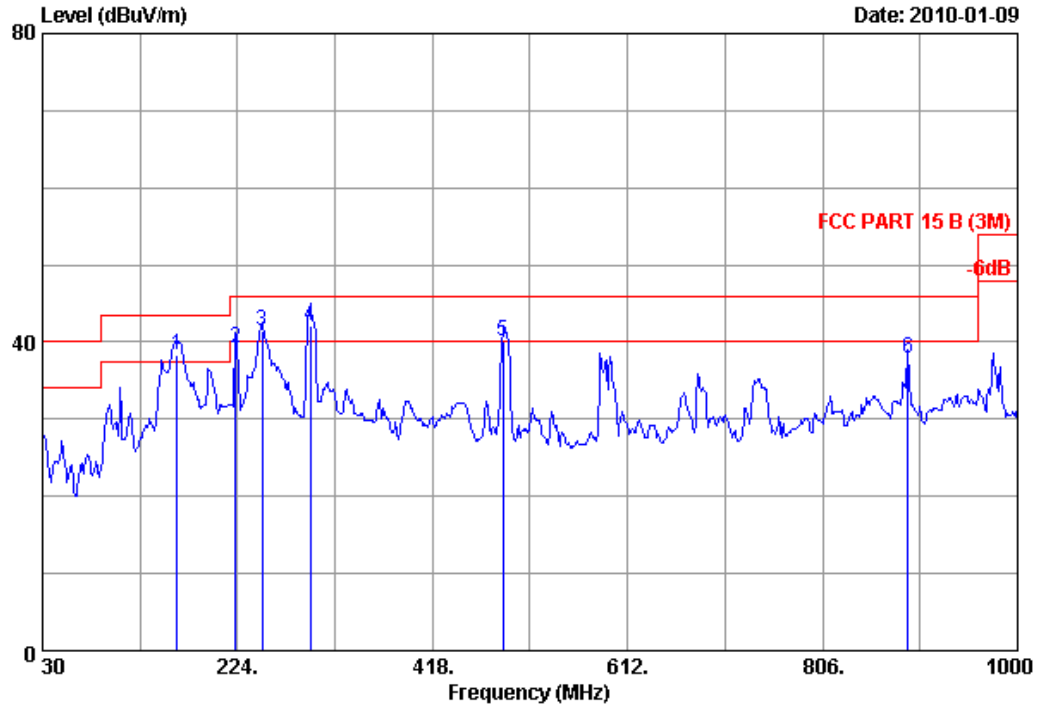
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-09



Site no. : 3m chamber Data no. : 33
 Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	163.860	10.66	1.15	26.51	38.32	43.50	5.18	QP
2	222.060	10.26	1.45	27.51	39.22	46.00	6.78	QP
3	248.250	12.44	1.62	27.46	41.52	46.00	4.48	QP
4	296.750	13.59	1.72	26.80	42.11	46.00	3.89	QP
5	487.840	17.82	2.21	20.18	40.21	46.00	5.79	QP
6	891.360	22.53	3.17	12.28	37.98	46.00	8.02	QP

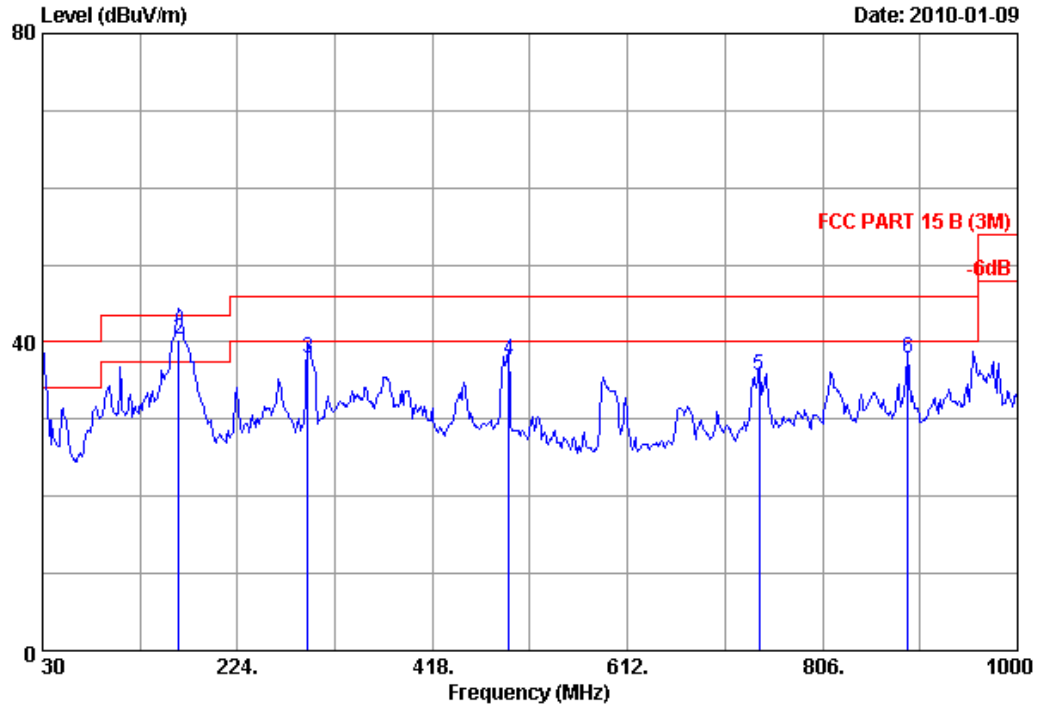
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-09



Site no. : 3m chamber Data no. : 34
 Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	19.86	0.52	15.55	35.93	40.00	4.07	QP
2	165.800	10.50	1.16	28.61	40.27	43.50	3.23	QP
3	293.840	13.53	1.72	22.59	37.84	46.00	8.16	QP
4	493.660	17.93	2.23	17.56	37.72	46.00	8.28	QP
5	742.950	21.42	2.91	11.34	35.67	46.00	10.33	QP
6	891.360	22.53	3.17	12.10	37.80	46.00	8.20	QP

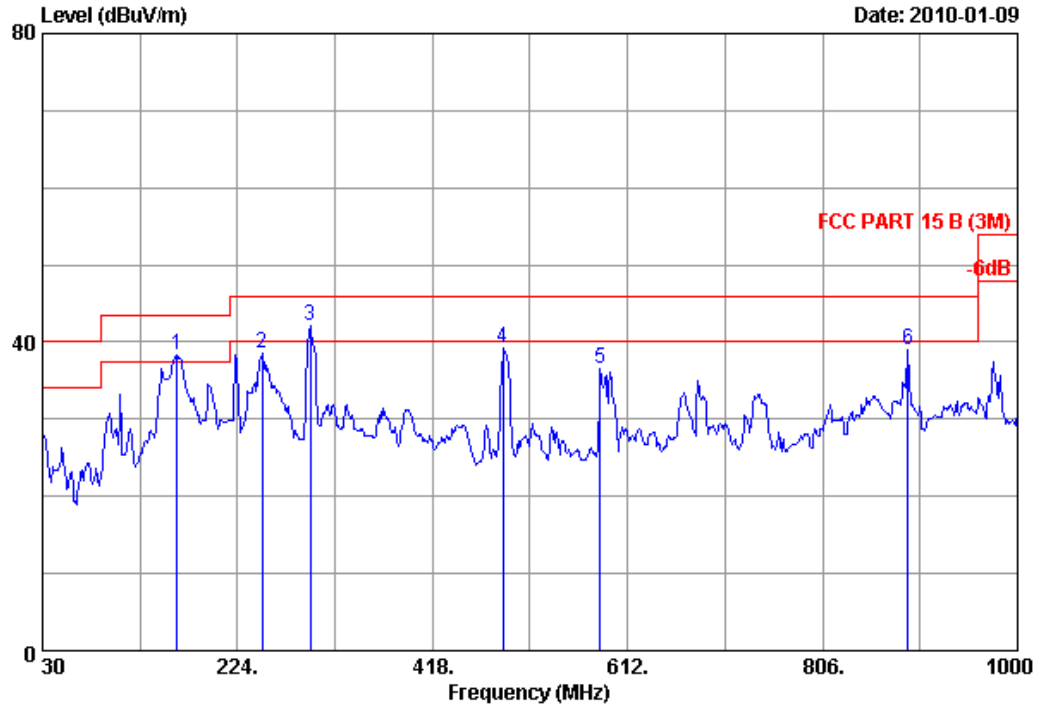
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 39 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 39
 Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	163.860	10.66	1.15	26.51	38.32	43.50	5.18	QP
2	248.250	12.44	1.62	24.46	38.52	46.00	7.48	QP
3	296.750	13.59	1.72	26.80	42.11	46.00	3.89	QP
4	487.840	17.82	2.21	19.18	39.21	46.00	6.79	QP
5	584.840	19.42	2.45	14.57	36.44	46.00	9.56	QP
6	891.360	22.53	3.17	13.28	38.98	46.00	7.02	QP

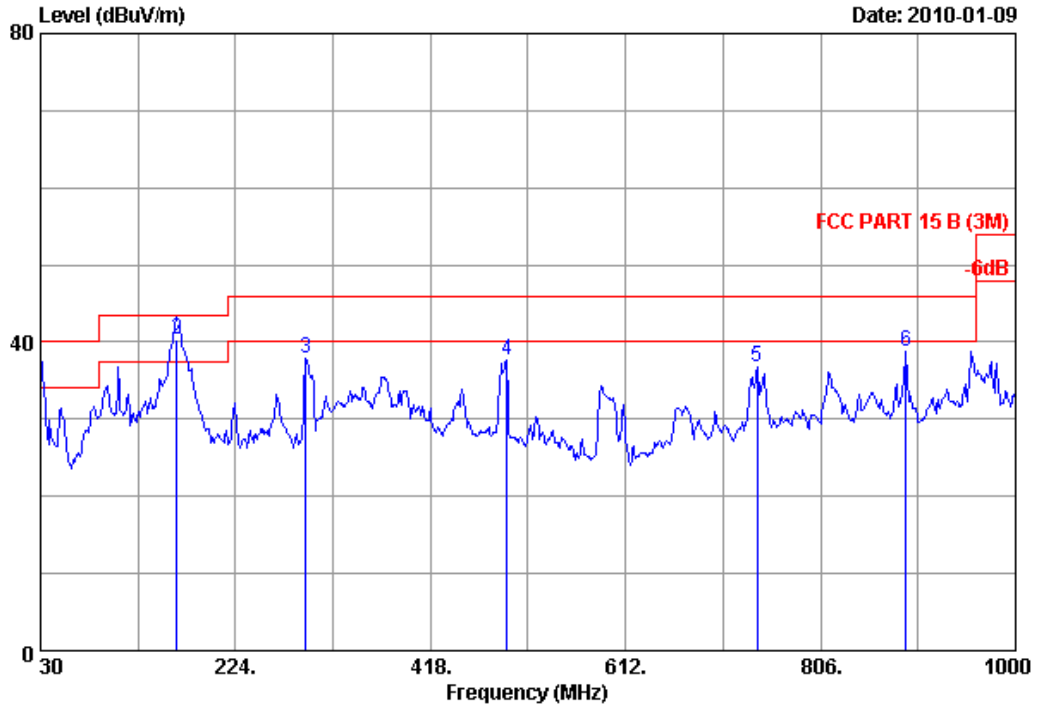
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 40 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 40
 Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	19.86	0.52	15.55	35.93	40.00	4.07	QP
2	165.800	10.50	1.16	28.61	40.27	43.50	3.23	QP
3	293.840	13.53	1.72	22.59	37.84	46.00	8.16	QP
4	493.660	17.93	2.23	17.56	37.72	46.00	8.28	QP
5	742.950	21.42	2.91	12.34	36.67	46.00	9.33	QP
6	891.360	22.53	3.17	13.10	38.80	46.00	7.20	QP

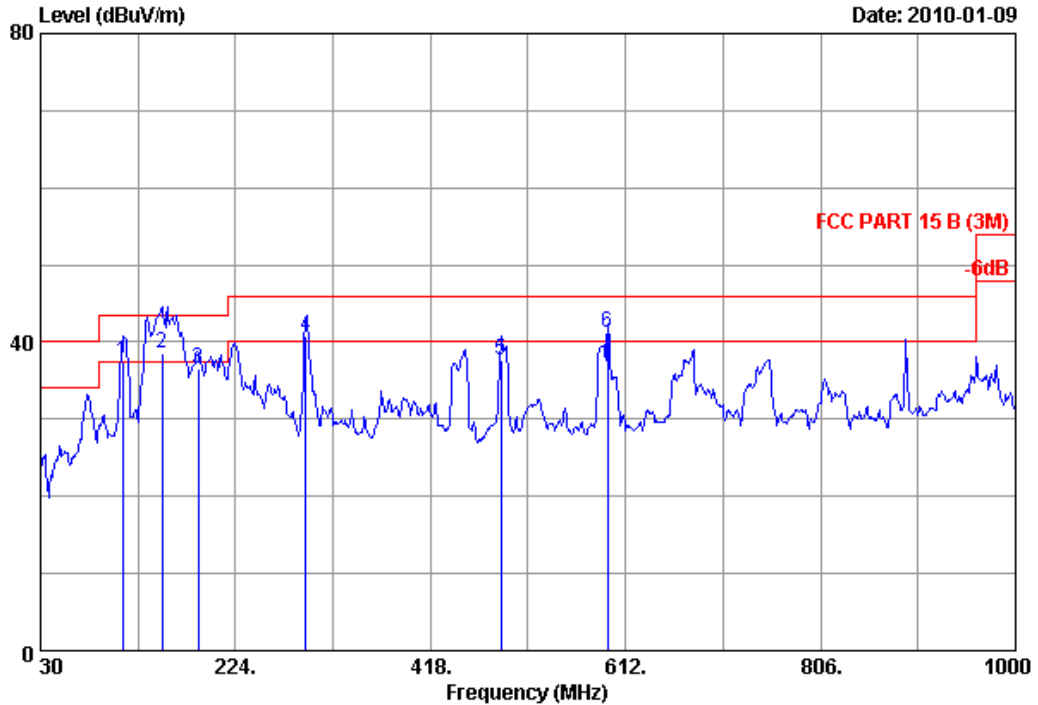
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 29 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 29
 Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	111.480	11.32	0.94	25.10	37.36	43.50	6.14	QP
2	151.250	11.48	1.10	25.91	38.49	43.50	5.01	QP
3	187.140	9.39	1.25	25.91	36.55	43.50	6.95	QP
4	293.840	13.53	1.72	25.62	40.87	46.00	5.13	QP
5	487.840	17.82	2.21	17.70	37.73	46.00	8.27	QP
6	594.540	19.46	2.48	19.38	41.32	46.00	4.68	QP

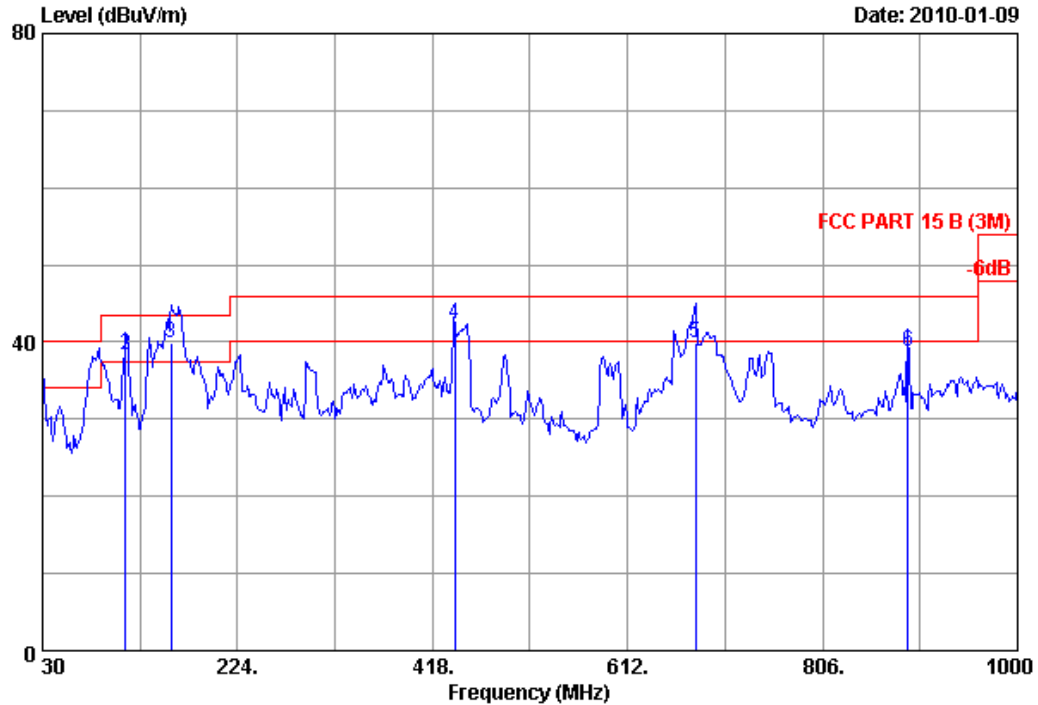
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 30 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 30
Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24°C/56% Engineer : Victory_Cao
EUT : LCD TV M/N:L46FHD2XF11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And Playing Music
HDMI1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	19.86	0.52	13.88	34.26	40.00	5.74	QP
2	112.450	11.38	0.95	25.91	38.24	43.50	5.26	QP
3	158.040	11.07	1.12	27.62	39.81	43.50	3.69	QP
4	440.310	16.90	2.06	23.48	42.44	46.00	3.56	QP
5	679.900	20.41	2.74	16.82	39.97	46.00	6.03	QP
6	891.360	22.53	3.17	12.99	38.69	46.00	7.31	QP

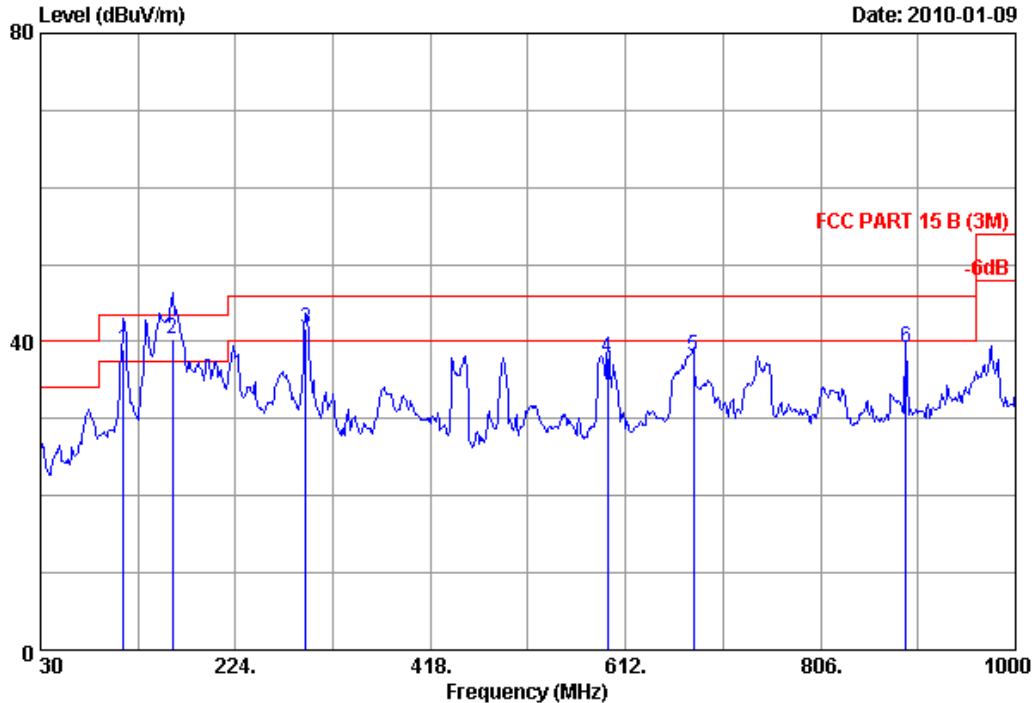
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 32 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 32
Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24°C/56% Engineer : Victory_Cao
EUT : LCD TV M/N:L46FHD2XF11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And Playing Music
HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	112.450	11.38	0.95	26.72	39.05	43.50	4.45	QP
2	160.950	10.89	1.14	28.26	40.29	43.50	3.21	QP
3	293.840	13.53	1.72	26.35	41.60	46.00	4.40	QP
4	594.540	19.46	2.48	15.94	37.88	46.00	8.12	QP
5	679.900	20.41	2.74	15.02	38.17	46.00	7.83	QP
6	891.360	22.53	3.17	13.44	39.14	46.00	6.86	QP

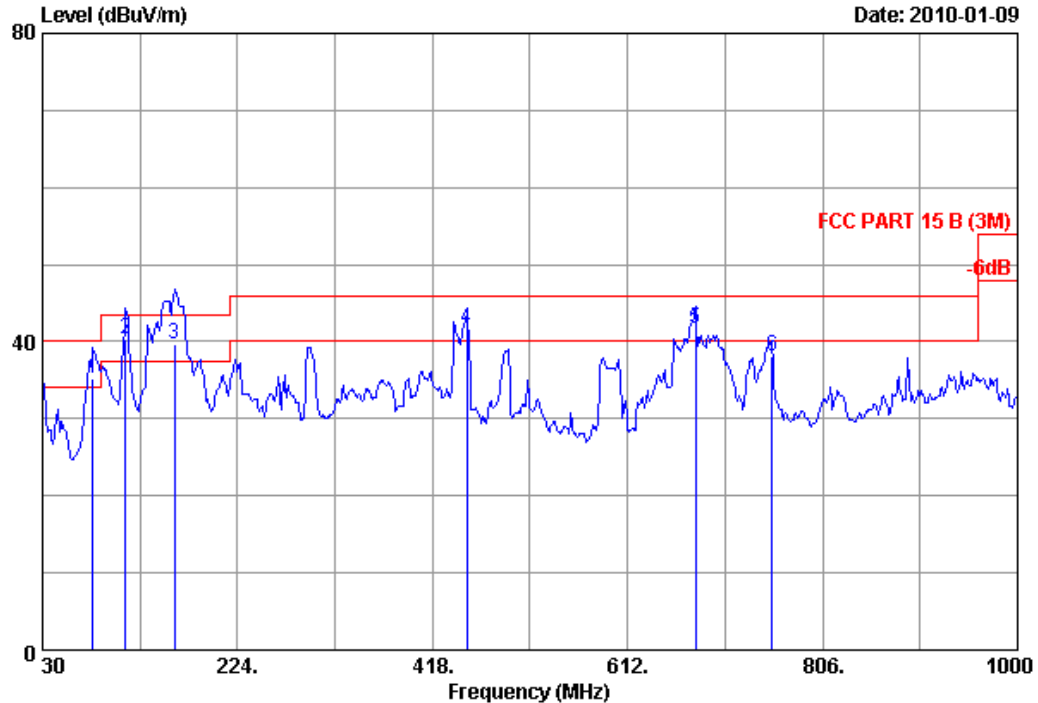
- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 160.95MHz with corrected signal level of 40.29dB μ V/m (Limit is 43.50dB μ V/m) when the antenna was at horizontal polarization and at 2.0m high and the turn table was at 55°.
 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



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Data: 31 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 31
Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24°C/56% Engineer : Victory_Cao
EUT : LCD TV M/N:L46FHD2XF11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And Playing Music
HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	80.440	7.74	0.81	26.64	35.19	40.00	4.81	QP
2	112.450	11.38	0.95	27.99	40.32	43.50	3.18	QP
3	160.950	10.89	1.14	27.72	39.75	43.50	3.75	QP
4	451.950	17.11	2.09	22.41	41.61	46.00	4.39	QP
5	679.900	20.41	2.74	18.45	41.60	46.00	4.40	QP
6	755.560	21.55	2.94	13.54	38.03	46.00	7.97	QP

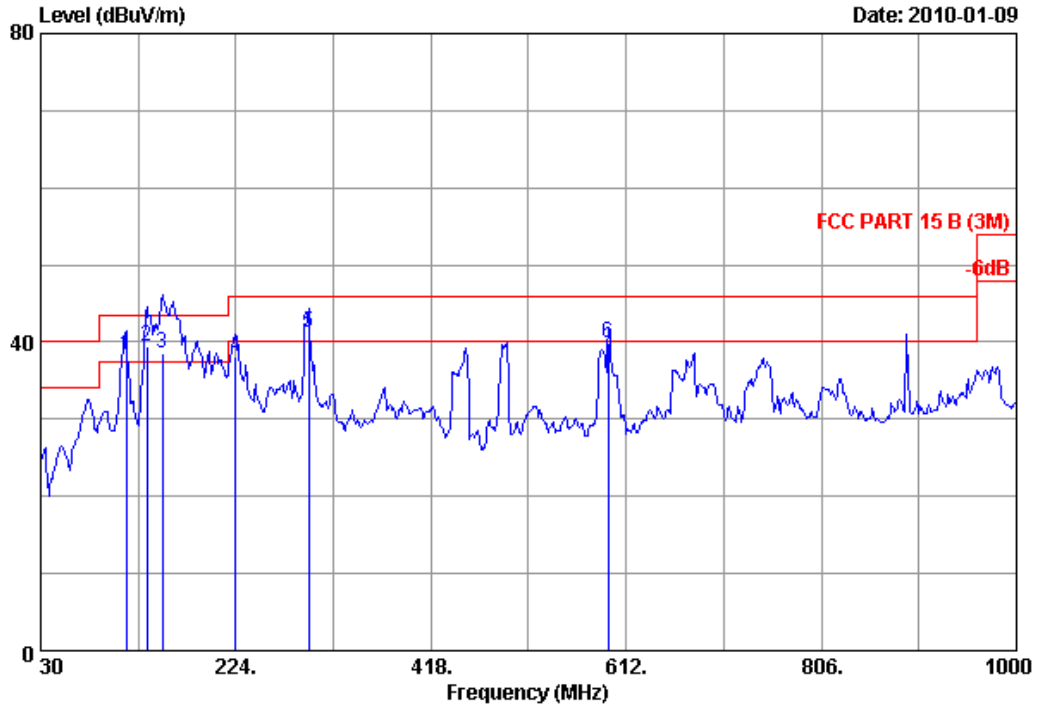
- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 112.45MHz with corrected signal level of 40.32dB μ V/m (Limit is 43.50dB μ V/m) when the antenna was at vertical 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.



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Data: 28 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 28
 Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	115.360	11.53	0.96	25.86	38.35	43.50	5.15	QP
2	135.730	12.04	1.03	26.47	39.54	43.50	3.96	QP
3	151.400	11.48	1.10	25.99	38.57	43.50	4.93	QP
4	224.000	10.41	1.46	26.17	38.04	46.00	7.96	QP
5	296.750	13.59	1.72	25.93	41.24	46.00	4.76	QP
6	594.540	19.46	2.48	17.95	39.89	46.00	6.11	QP

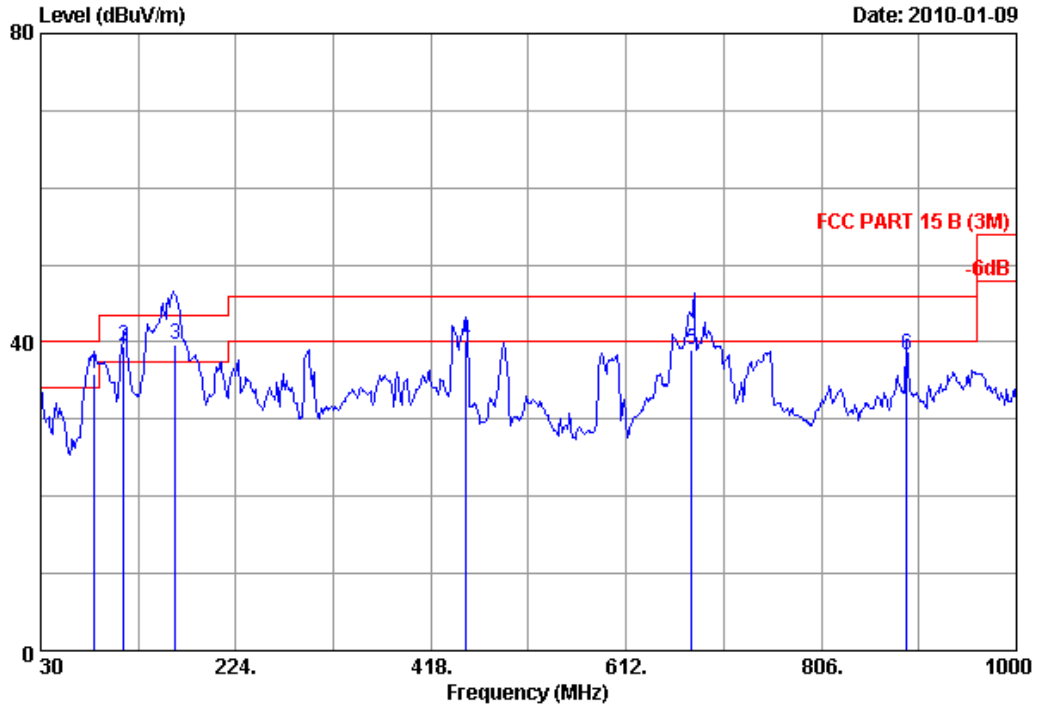
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 27 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 27
 Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

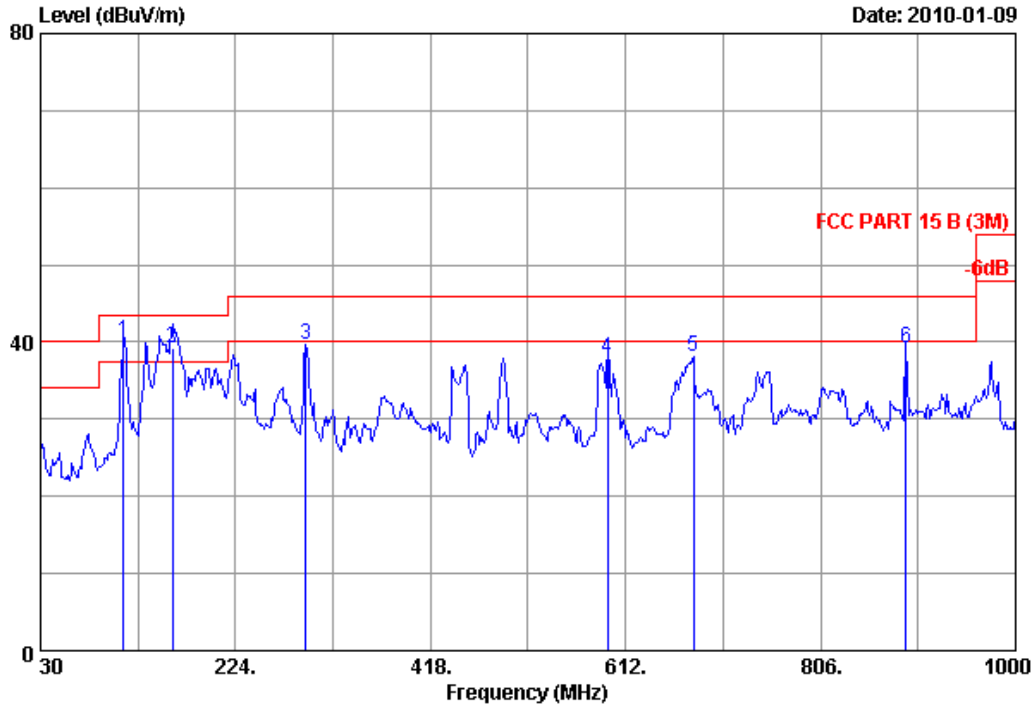
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	83.350	8.12	0.82	26.89	35.83	40.00	4.17	QP
2	112.450	11.38	0.95	27.16	39.49	43.50	4.01	QP
3	163.800	10.66	1.15	27.90	39.71	43.50	3.79	QP
4	452.920	17.13	2.10	20.86	40.09	46.00	5.91	QP
5	677.000	20.33	2.73	16.00	39.06	46.00	6.94	QP
6	891.360	22.53	3.17	12.58	38.28	46.00	7.72	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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Data: 25 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)



Site no. : 3m chamber Data no. : 25
 Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	112.450	11.38	0.95	27.72	40.05	43.50	3.45	QP
2	160.950	10.89	1.14	27.26	39.29	43.50	4.21	QP
3	293.840	13.53	1.72	24.35	39.60	46.00	6.40	QP
4	594.540	19.46	2.48	15.94	37.88	46.00	8.12	QP
5	679.900	20.41	2.74	15.02	38.17	46.00	7.83	QP
6	891.360	22.53	3.17	13.44	39.14	46.00	6.86	QP

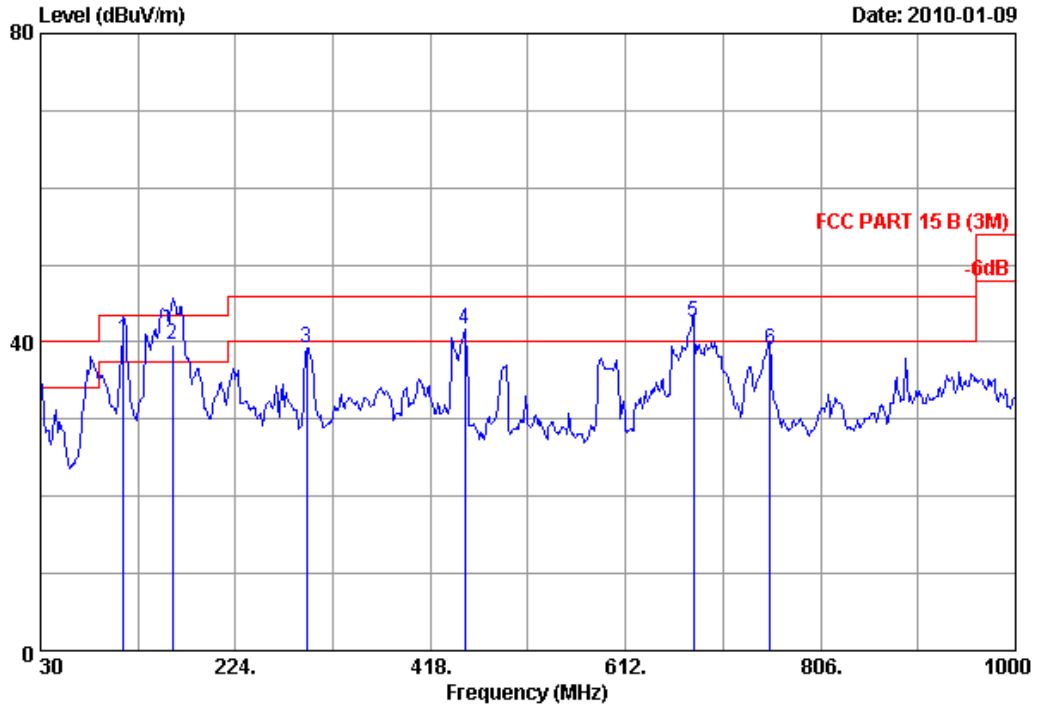
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 26 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 26
 Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Victory_Cao
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	112.450	11.38	0.95	27.99	40.32	43.50	3.18	QP
2	160.950	10.89	1.14	27.72	39.75	43.50	3.75	QP
3	294.810	13.56	1.72	24.04	39.32	46.00	6.68	QP
4	451.950	17.11	2.09	22.41	41.61	46.00	4.39	QP
5	679.900	20.41	2.74	19.45	42.60	46.00	3.40	QP
6	755.560	21.55	2.94	14.54	39.03	46.00	6.97	QP

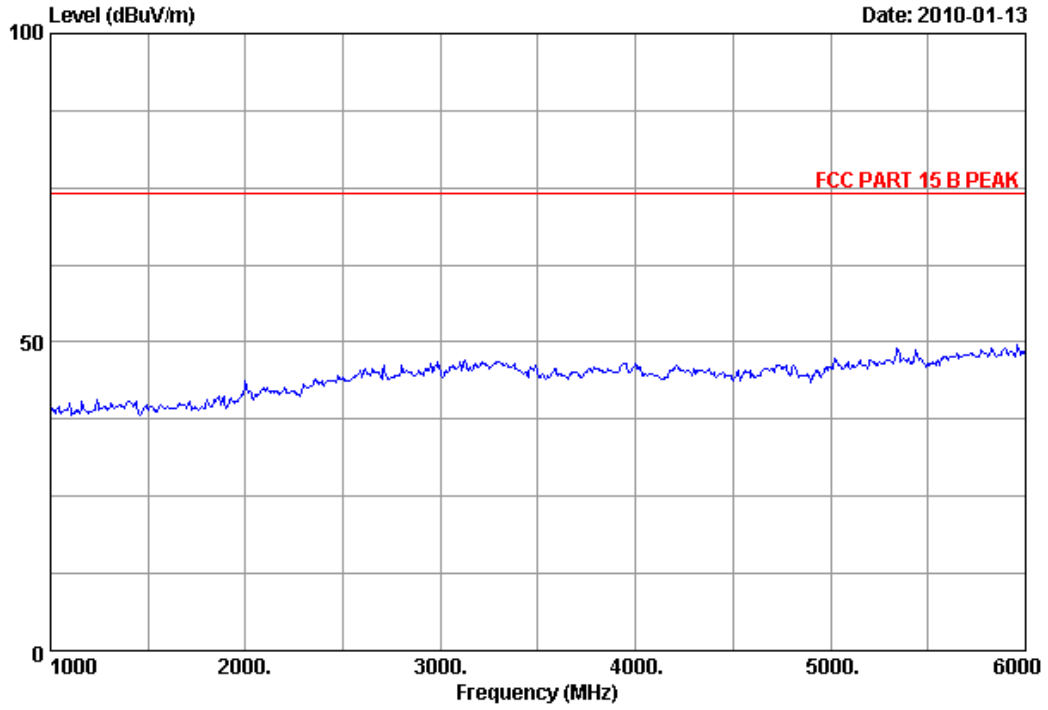
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-13



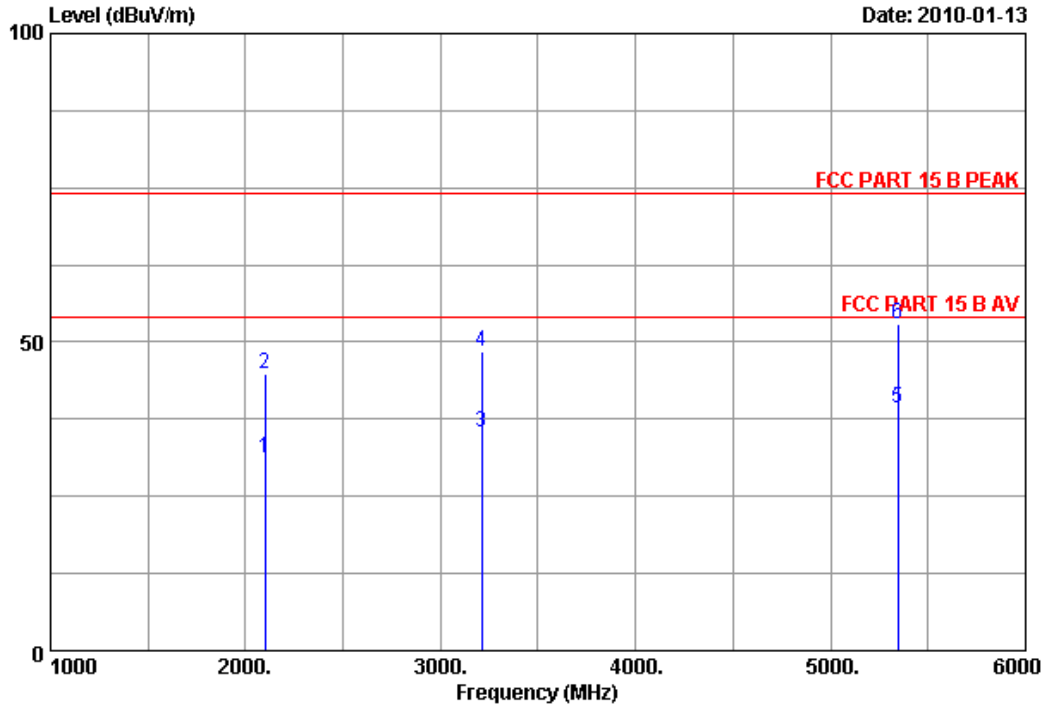
Site no. : 3m Chamber Data no. : 93
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Victory
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P



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Data: 95 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 95
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

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	2101.000	26.92	5.75	33.79	32.34	31.22	54.00	22.78	Average
2	2101.000	26.92	5.75	33.79	45.88	44.76	74.00	29.24	Peak
3	3211.000	31.07	7.59	33.68	30.47	35.45	54.00	18.55	Average
4	3211.000	31.07	7.59	33.68	43.40	48.38	74.00	25.62	Peak
5	5346.000	35.16	9.73	34.07	28.59	39.41	54.00	14.59	Average
6	5346.000	35.16	9.73	34.07	42.14	52.96	74.00	21.04	Peak

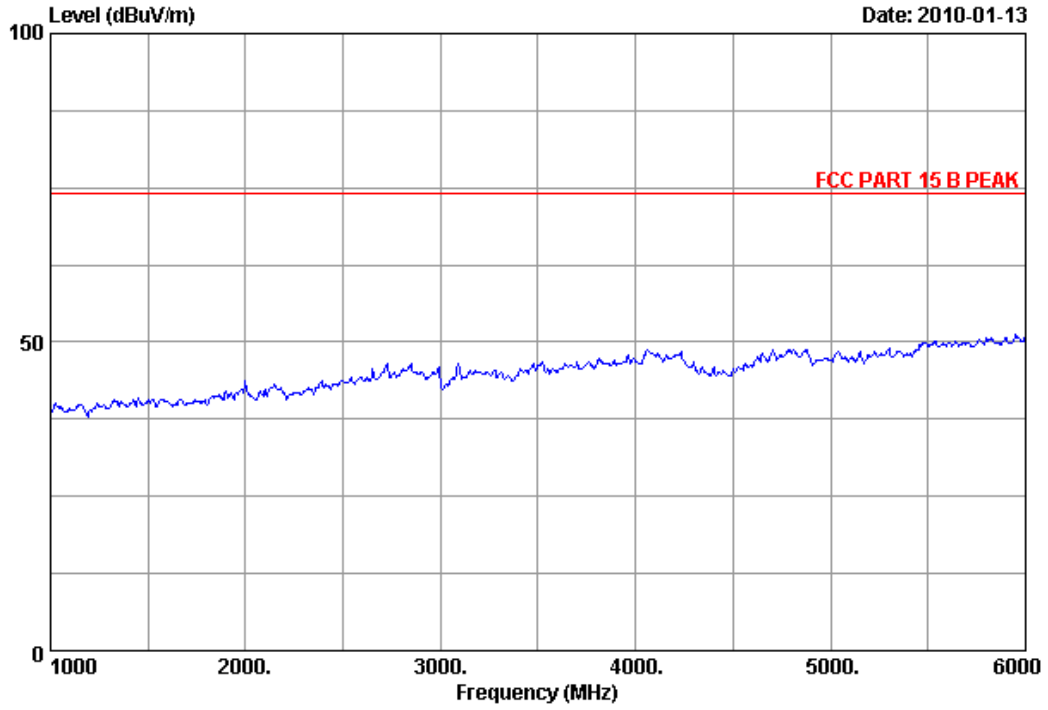
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-13



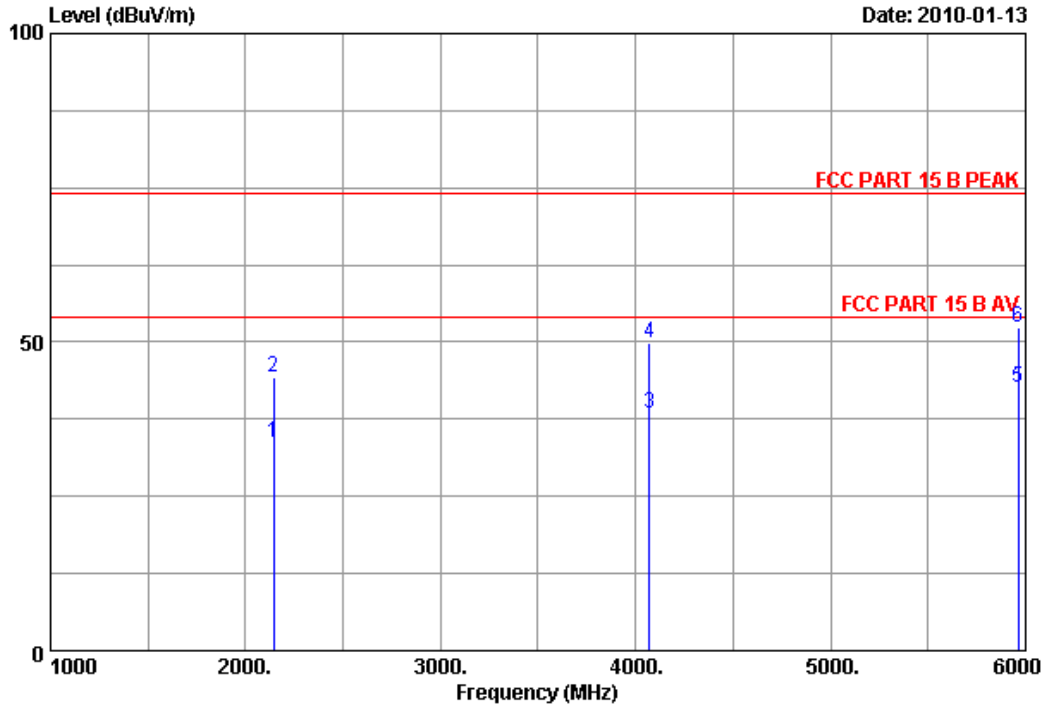
Site no.	: 3m Chamber	Data no.	: 94
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Victory
EUT	: LCD TV M/N:L46FHDE9A		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And Playing Music		
	: HDMI1:1080P		



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Date: 2010-01-13



Site no. : 3m Chamber Data no. : 96
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

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	2142.000	27.13	5.83	33.78	34.40	33.58	54.00	20.42	Average
2	2142.000	27.13	5.83	33.78	45.07	44.25	74.00	29.75	Peak
3	4072.000	33.30	8.69	33.62	30.11	38.48	54.00	15.52	Average
4	4072.000	33.30	8.69	33.62	41.45	49.82	74.00	24.18	Peak
5	5961.000	36.05	9.92	34.29	31.07	42.75	54.00	11.25	Average
6	5961.000	36.05	9.92	34.29	40.60	52.28	74.00	21.72	Peak

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

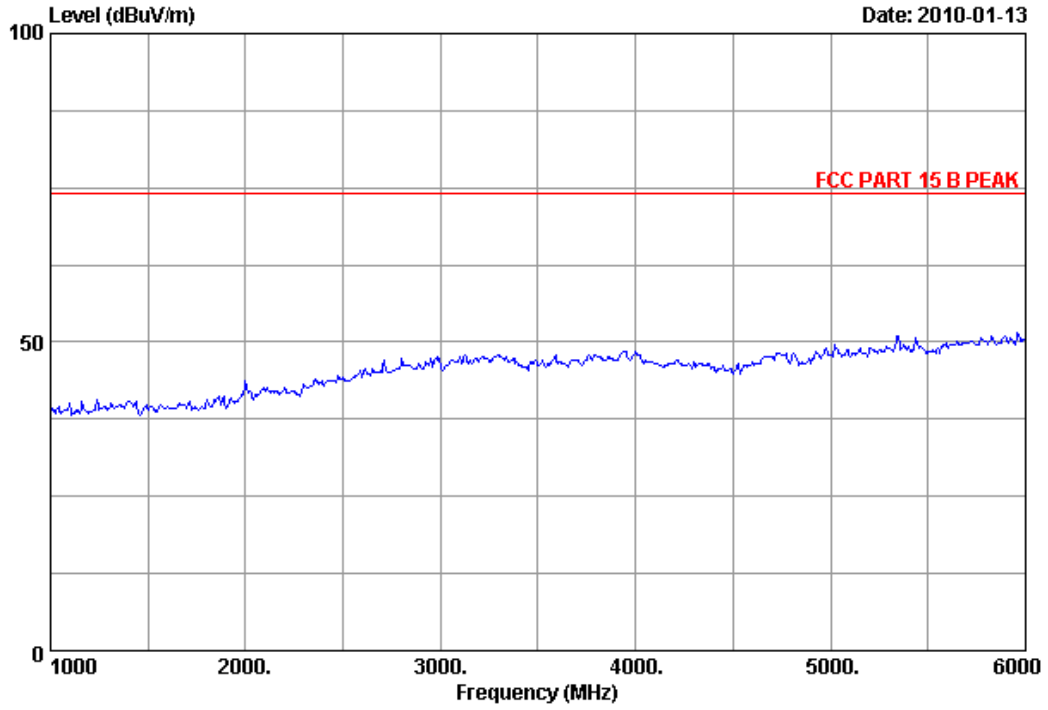


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Date: 2010-01-13



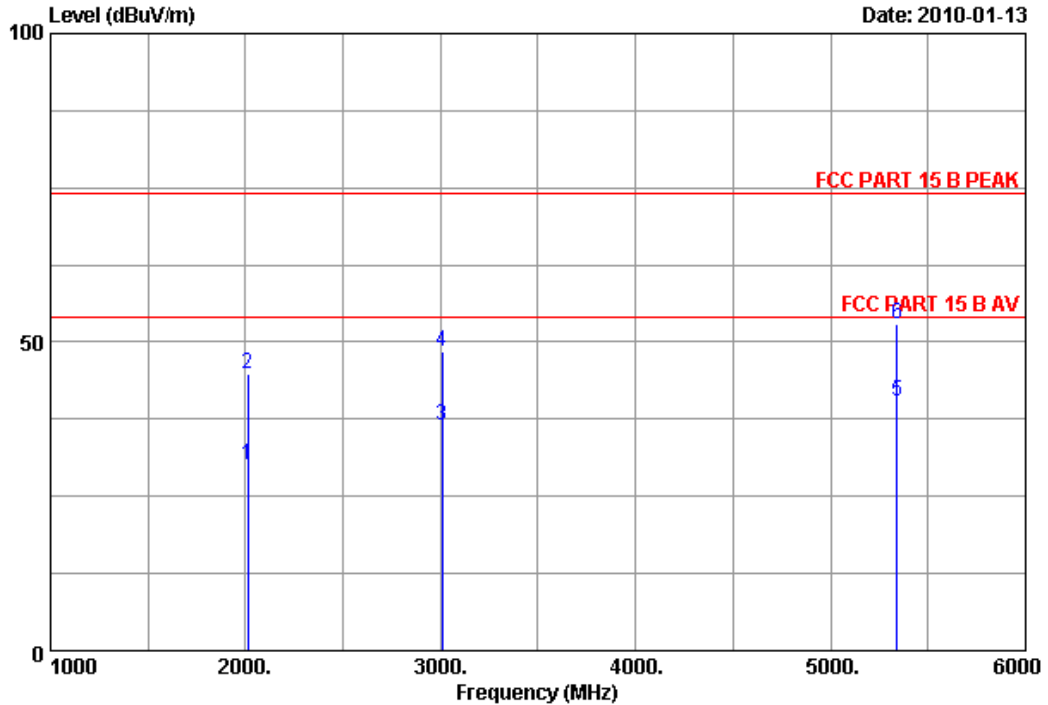
Site no. : 3m Chamber Data no. : 89
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Victory
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P



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Data: 91 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 91
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P

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	2010.000	26.30	5.62	33.80	32.10	30.22	54.00	23.78	Average
2	2010.000	26.30	5.62	33.80	46.64	44.76	74.00	29.24	Peak
3	3010.000	30.90	7.24	33.70	32.01	36.45	54.00	17.55	Average
4	3010.000	30.90	7.24	33.70	43.94	48.38	74.00	25.62	Peak
5	5342.000	35.13	9.74	34.07	29.61	40.41	54.00	13.59	Average
6	5342.000	35.13	9.74	34.07	42.16	52.96	74.00	21.04	Peak

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

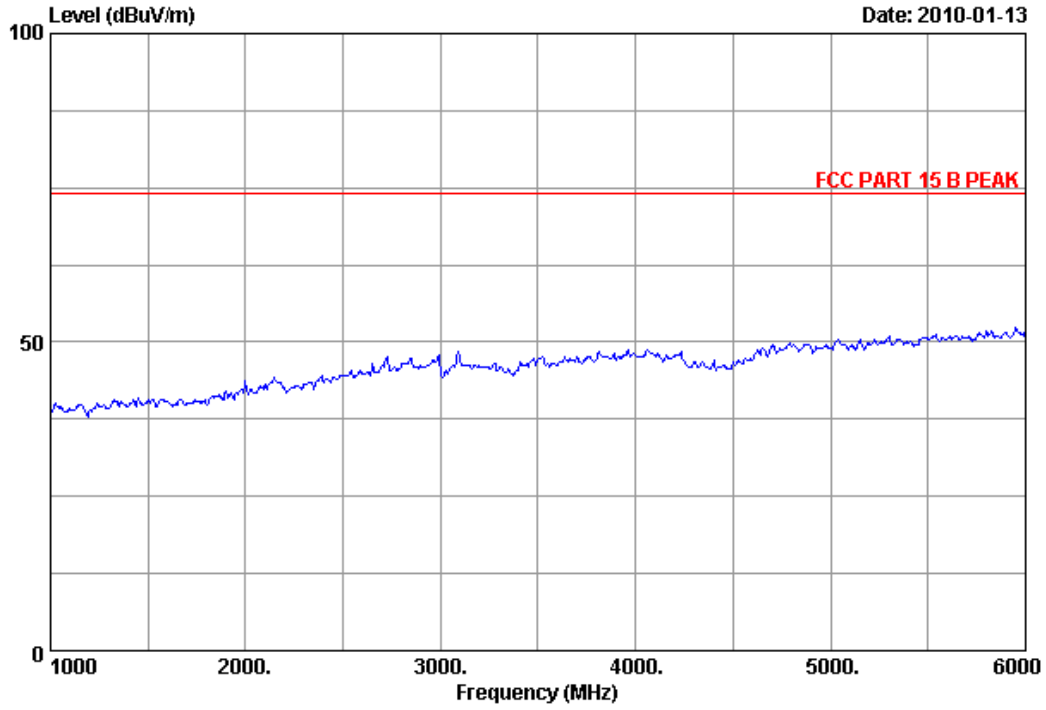


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Data: 90

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



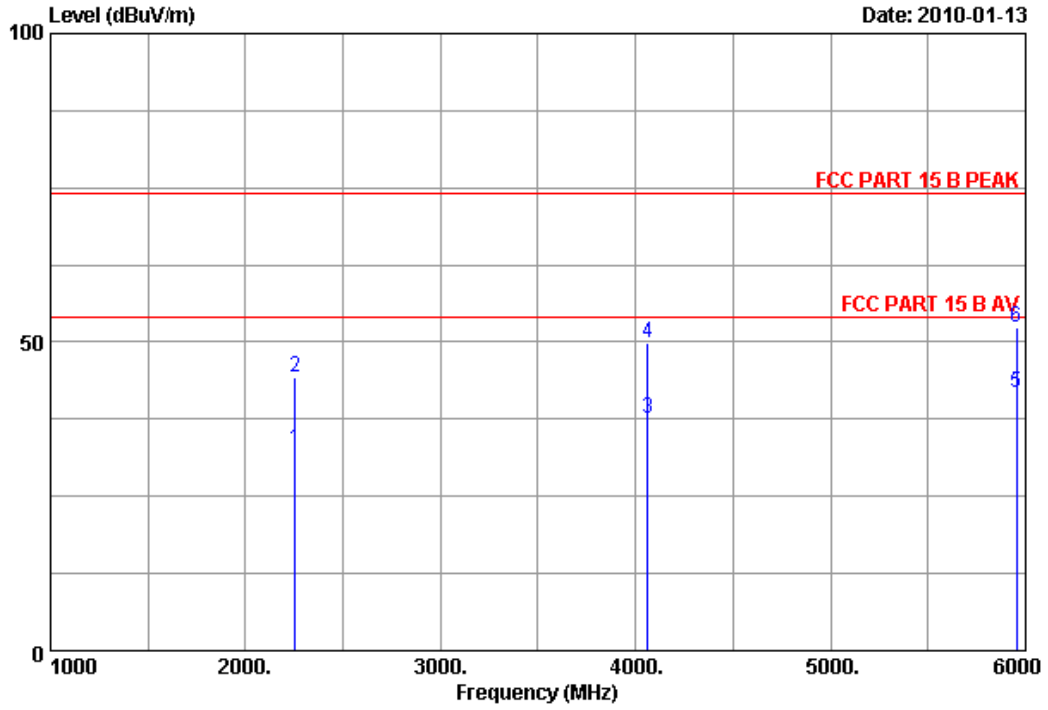
Site no. : 3m Chamber Data no. : 90
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Victory
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P



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Data: 92 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 92
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P

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	2255.000	27.85	5.99	33.77	32.51	32.58	54.00	21.42	Average
2	2255.000	27.85	5.99	33.77	44.18	44.25	74.00	29.75	Peak
3	4063.000	33.32	8.68	33.62	29.10	37.48	54.00	16.52	Average
4	4063.000	33.32	8.68	33.62	41.44	49.82	74.00	24.18	Peak
5	5953.000	36.03	9.91	34.28	30.09	41.75	54.00	12.25	Average
6	5953.000	36.03	9.91	34.28	40.62	52.28	74.00	21.72	Peak

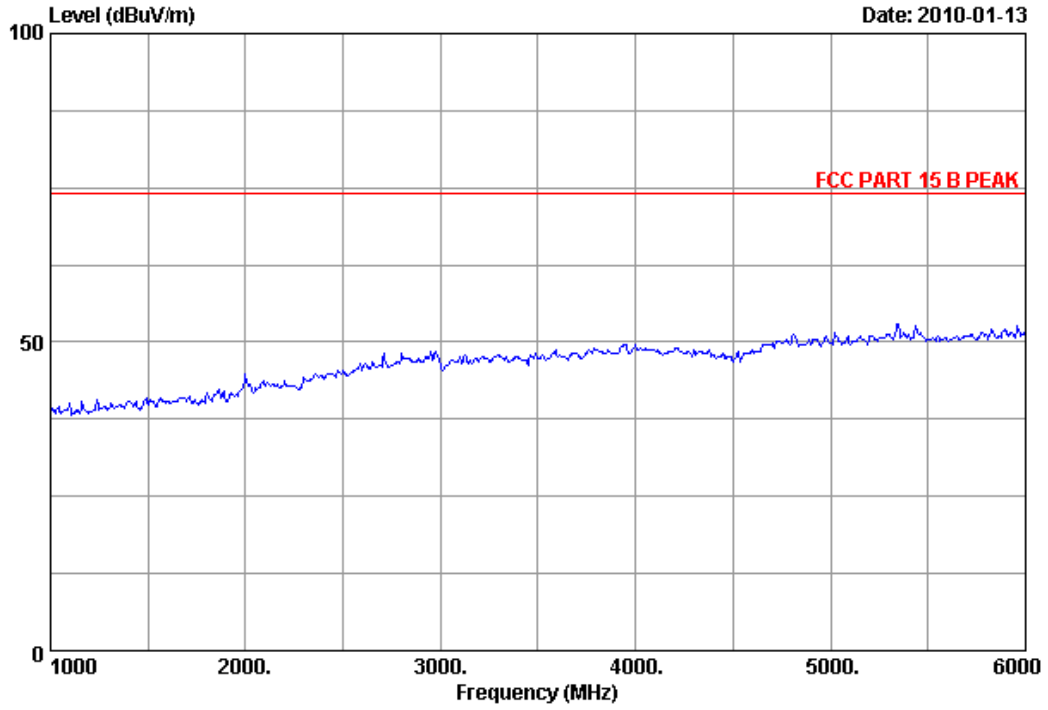
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 85 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



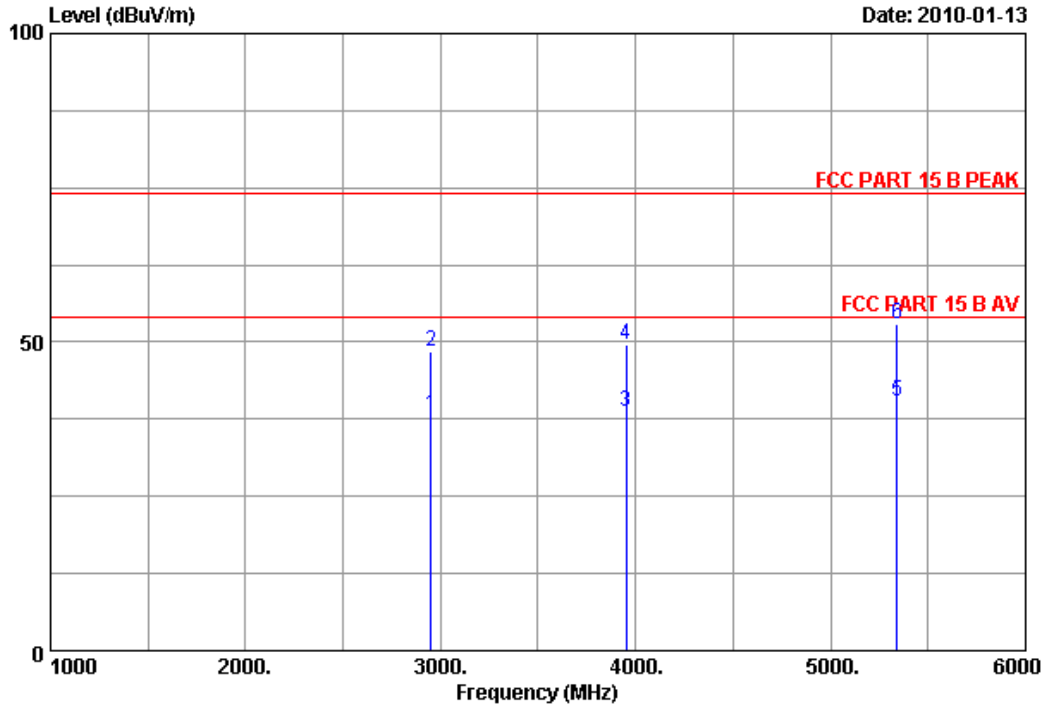
Site no. : 3m Chamber Data no. : 85
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Victory
 EUT : LCD TV M/N:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P



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Date: 2010-01-13



Site no. : 3m Chamber Data no. : 87
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

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	2950.000	30.74	7.12	33.71	34.10	38.25	54.00	15.75	Average
2	2950.000	30.74	7.12	33.71	44.23	48.38	74.00	25.62	Peak
3	3950.000	33.26	8.59	33.61	30.40	38.64	54.00	15.36	Average
4	3950.000	33.26	8.59	33.61	41.32	49.56	74.00	24.44	Peak
5	5340.000	35.13	9.74	34.07	29.61	40.41	54.00	13.59	Average
6	5340.000	35.13	9.74	34.07	42.16	52.96	74.00	21.04	Peak

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

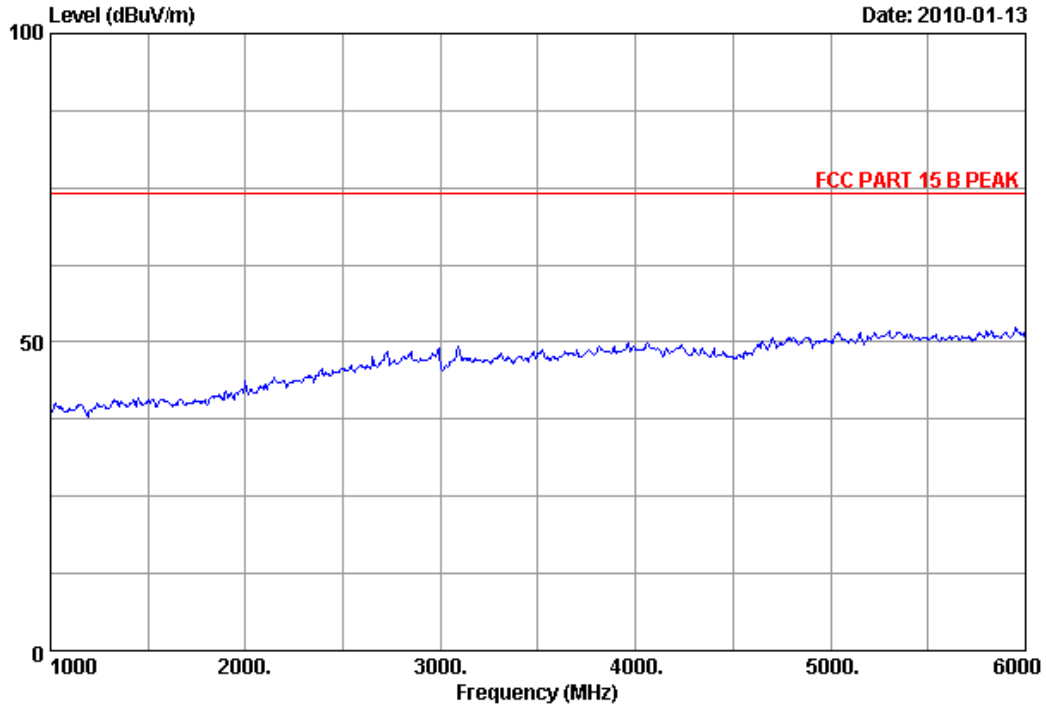


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Data: 86

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 86
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

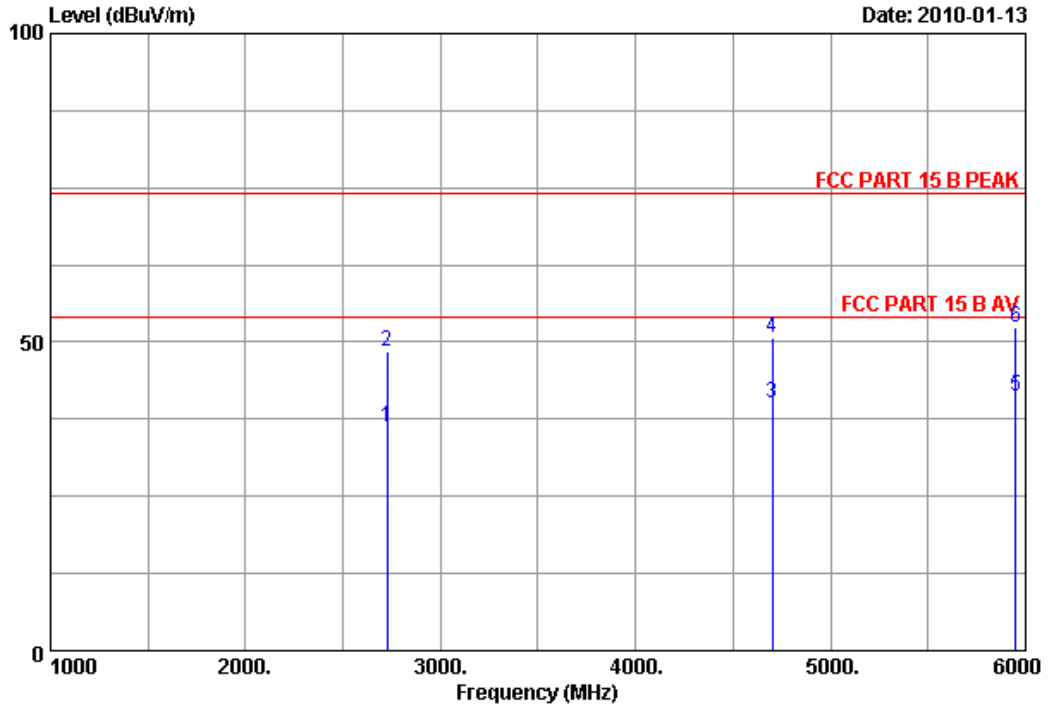


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File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 88
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

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	2725.000	29.99	6.74	33.73	33.11	36.11	54.00	17.89	Average
2	2725.000	29.99	6.74	33.73	45.54	48.54	74.00	25.46	Peak
3	4700.000	33.54	9.32	33.84	31.11	40.13	54.00	13.87	Average
4	4700.000	33.54	9.32	33.84	41.66	50.68	74.00	23.32	Peak
5	5950.000	36.03	9.91	34.28	29.62	41.28	54.00	12.72	Average
6	5950.000	36.03	9.91	34.28	40.62	52.28	74.00	21.72	Peak

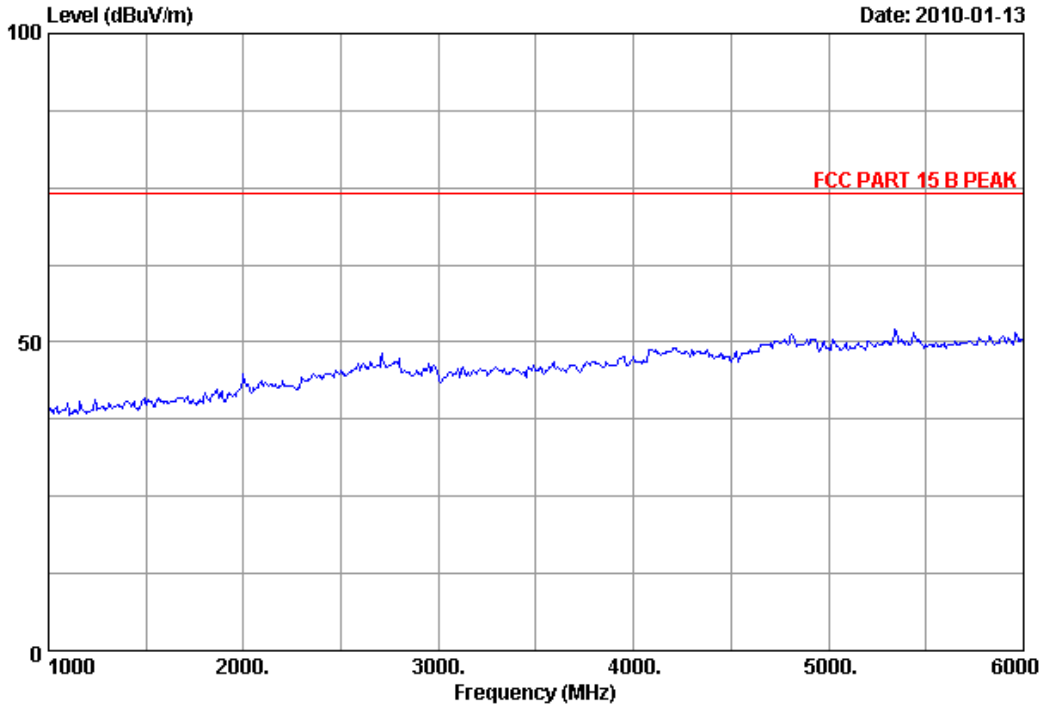
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-13



Site no. : 3m Chamber Data no. : 81
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

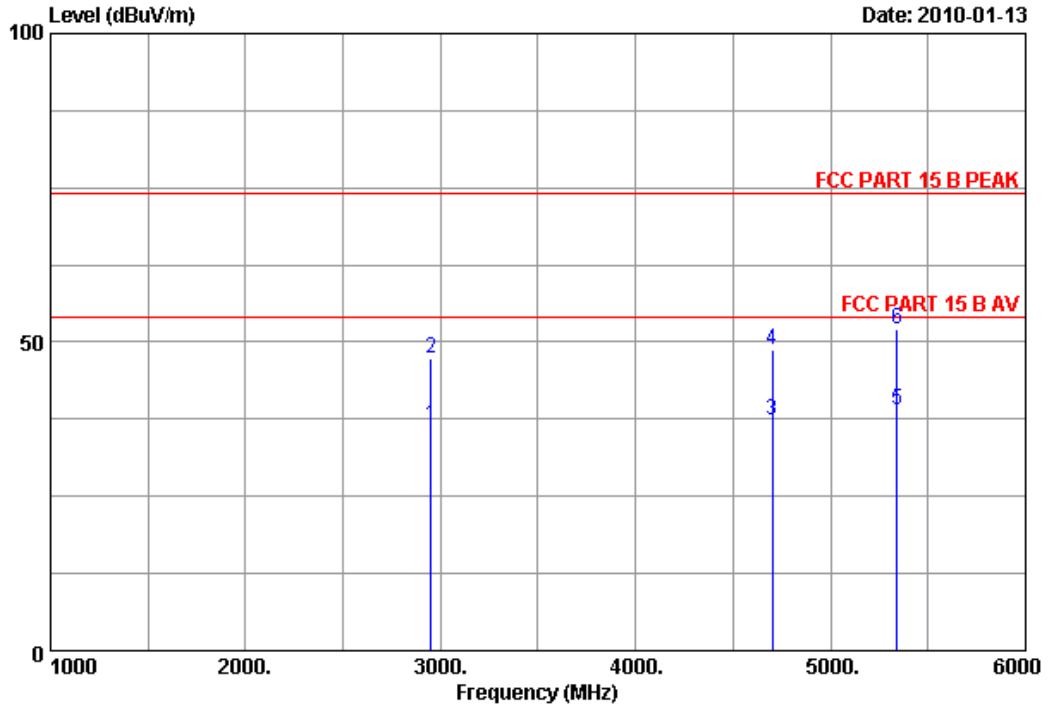


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Data: 83

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 83
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

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	2950.000	30.74	7.12	33.71	32.30	36.45	54.00	17.55	Average
2	2950.000	30.74	7.12	33.71	43.23	47.38	74.00	26.62	Peak
3	4700.000	33.54	9.32	33.84	28.41	37.43	54.00	16.57	Average
4	4700.000	33.54	9.32	33.84	39.73	48.75	74.00	25.25	Peak
5	5340.000	35.13	9.74	34.07	28.31	39.11	54.00	14.89	Average
6	5340.000	35.13	9.74	34.07	41.16	51.96	74.00	22.04	Peak

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

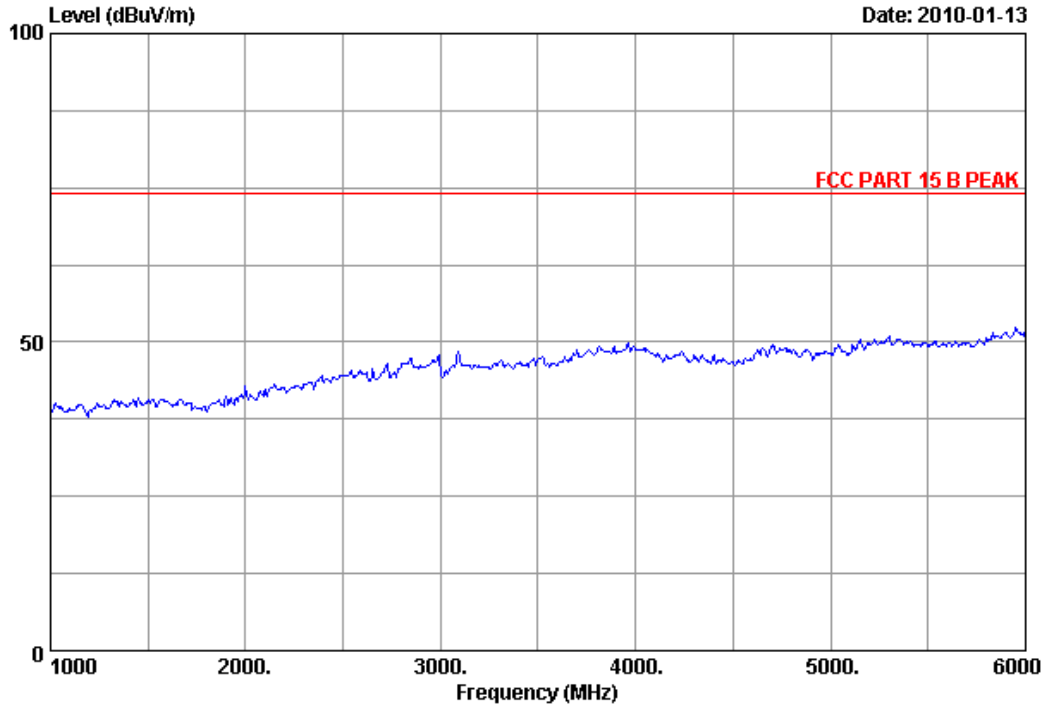


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Data: 82

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 82
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

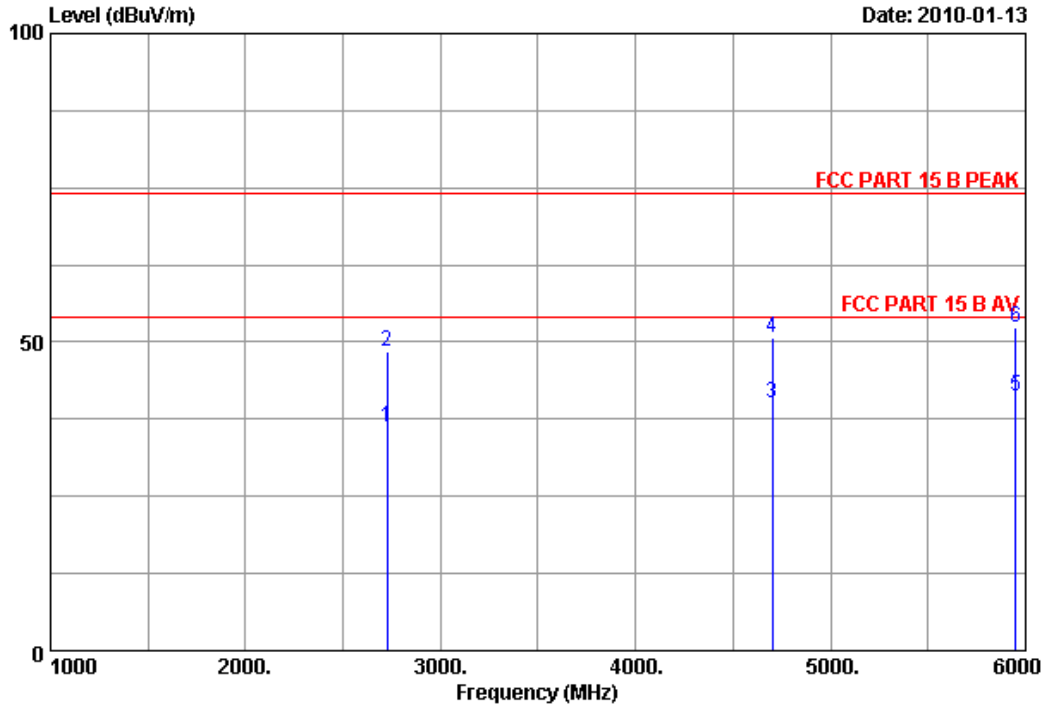


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Data: 84

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 84
 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:L46FHDE9A
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

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	2725.000	29.99	6.74	33.73	33.11	36.11	54.00	17.89	Average
2	2725.000	29.99	6.74	33.73	45.54	48.54	74.00	25.46	Peak
3	4700.000	33.54	9.32	33.84	31.11	40.13	54.00	13.87	Average
4	4700.000	33.54	9.32	33.84	41.66	50.68	74.00	23.32	Peak
5	5950.000	36.03	9.91	34.28	29.62	41.28	54.00	12.72	Average
6	5950.000	36.03	9.91	34.28	40.62	52.28	74.00	21.72	Peak

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

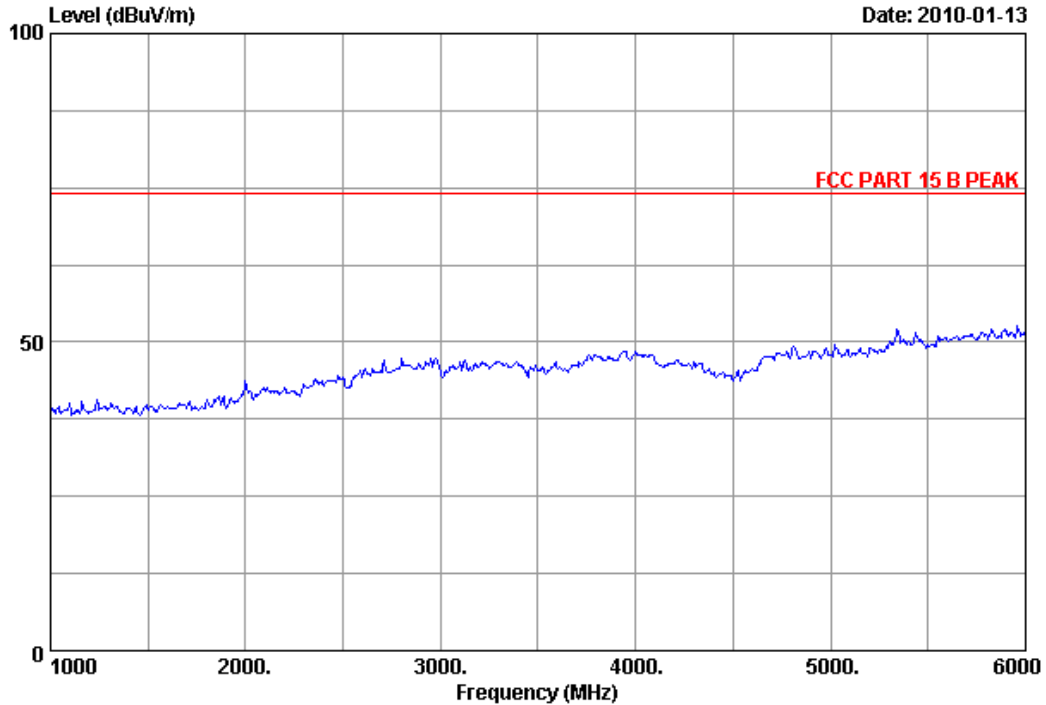


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File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 77
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

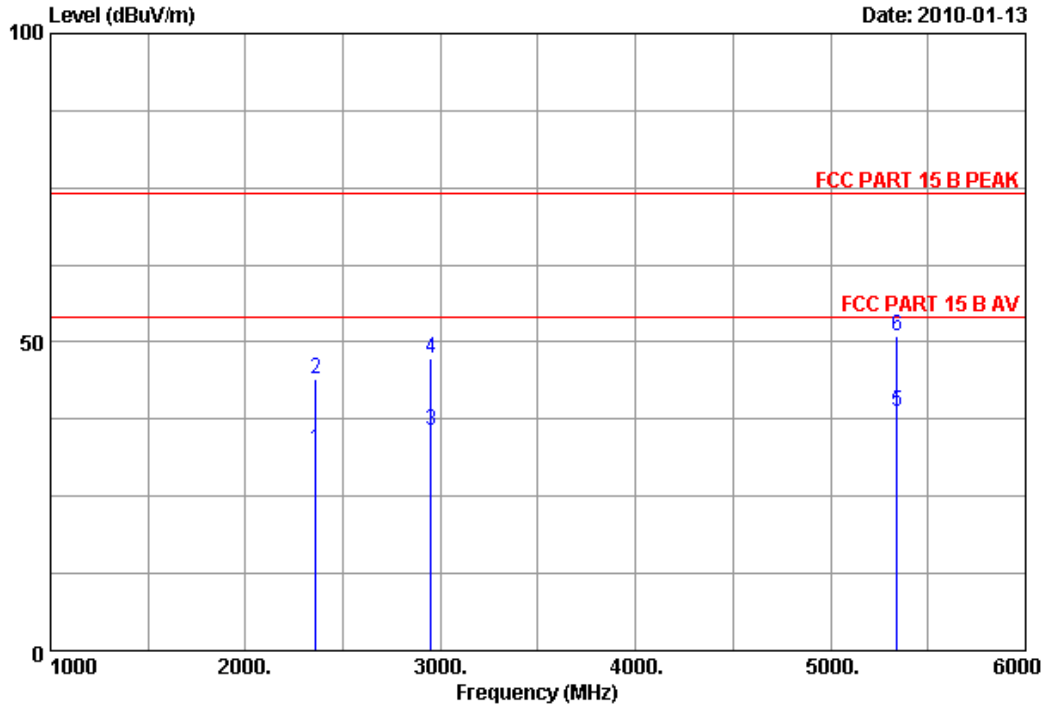


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Postcode:518057

Data: 79

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 79
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

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	2360.000	28.47	6.15	33.76	31.59	32.45	54.00	21.55	Average
2	2360.000	28.47	6.15	33.76	43.02	43.88	74.00	30.12	Peak
3	2950.000	30.74	7.12	33.71	31.60	35.75	54.00	18.25	Average
4	2950.000	30.74	7.12	33.71	43.23	47.38	74.00	26.62	Peak
5	5340.000	35.13	9.74	34.07	27.81	38.61	54.00	15.39	Average
6	5340.000	35.13	9.74	34.07	40.16	50.96	74.00	23.04	Peak

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

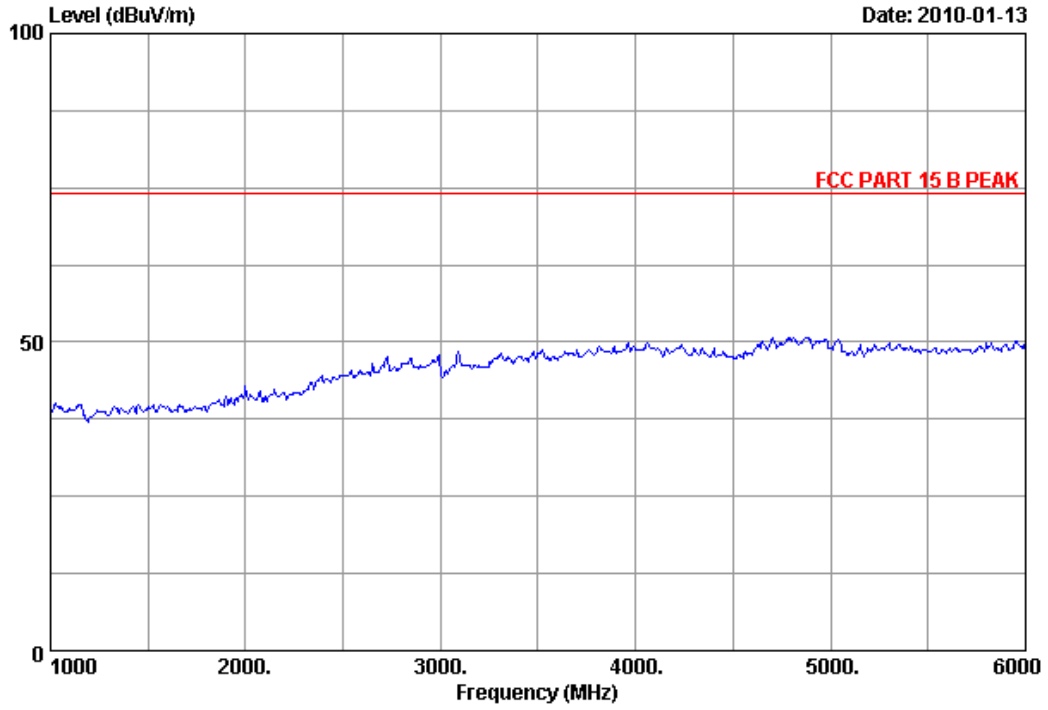


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Data: 78

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13

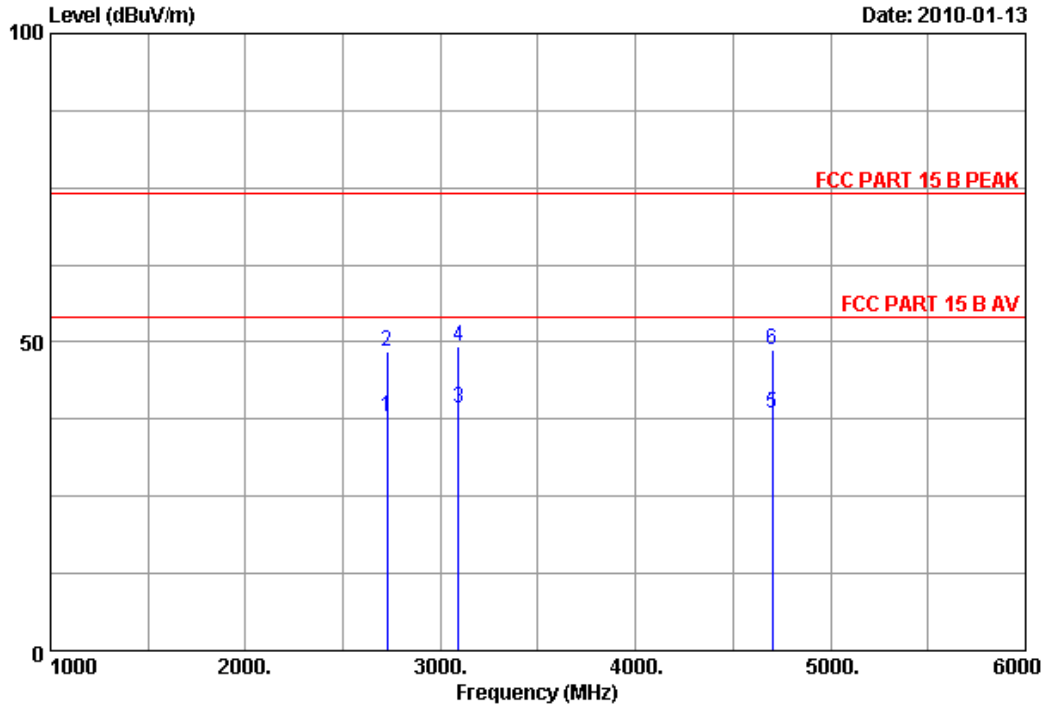


Site no. : 3m Chamber Data no. : 78
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Victory
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P



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Site no. : 3m Chamber Data no. : 80
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI1:1080P

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	2725.000	29.99	6.74	33.73	34.91	37.91	54.00	16.09	Average
2	2725.000	29.99	6.74	33.73	45.54	48.54	74.00	25.46	Peak
3	3090.000	30.97	7.37	33.69	34.60	39.25	54.00	14.75	Average
4	3090.000	30.97	7.37	33.69	44.75	49.40	74.00	24.60	Peak
5	4700.000	33.54	9.32	33.84	29.41	38.43	54.00	15.57	Average
6	4700.000	33.54	9.32	33.84	39.66	48.68	74.00	25.32	Peak

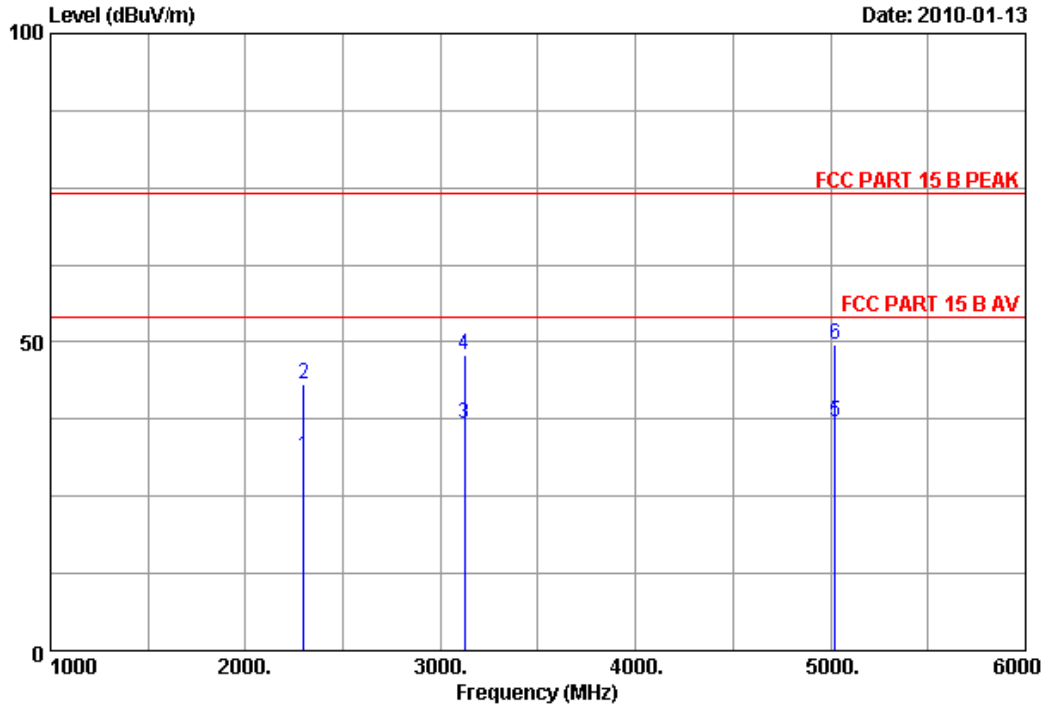
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-13



Site no. : 3m Chamber Data no. : 75
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P

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	2300.000	28.06	6.04	33.77	31.10	31.43	54.00	22.57	Average
2	2300.000	28.06	6.04	33.77	42.95	43.28	74.00	30.72	Peak
3	3125.000	31.00	7.43	33.69	31.90	36.64	54.00	17.36	Average
4	3125.000	31.00	7.43	33.69	43.24	47.98	74.00	26.02	Peak
5	5025.000	34.65	9.92	33.96	26.40	37.01	54.00	16.99	Average
6	5025.000	34.65	9.92	33.96	38.85	49.46	74.00	24.54	Peak

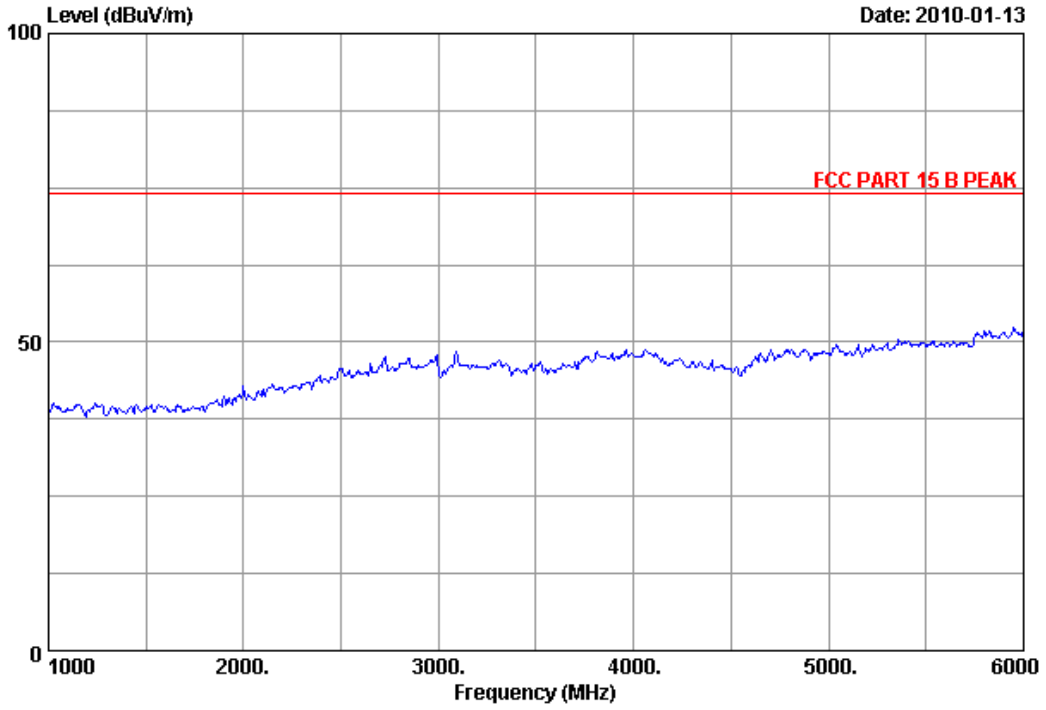
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-13



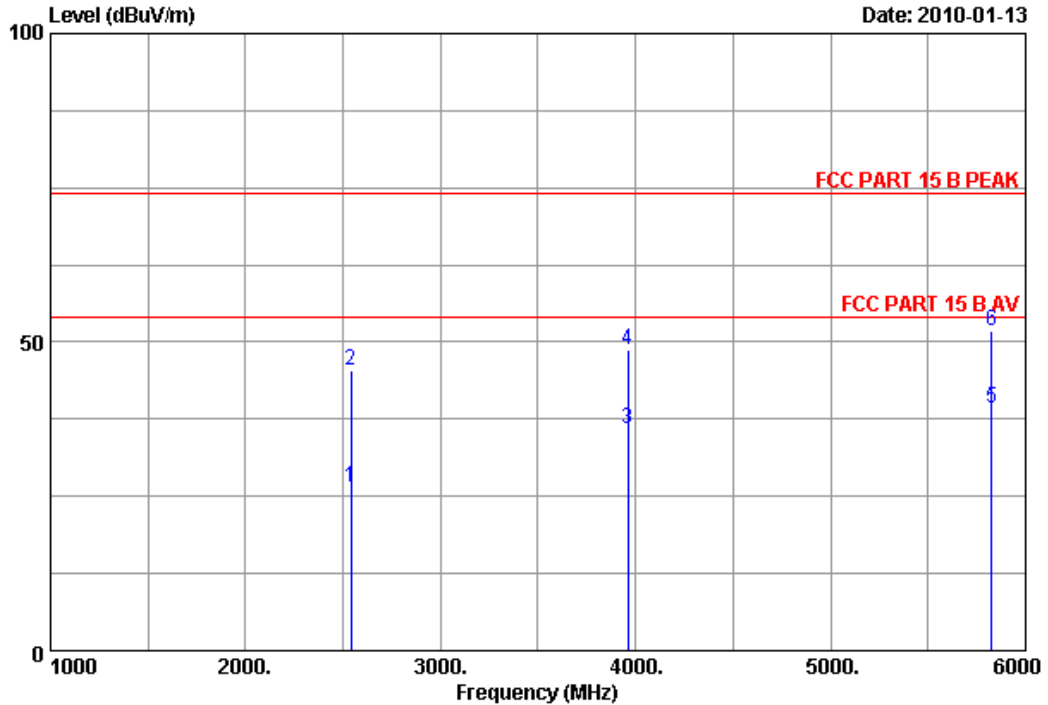
Site no. : 3m Chamber Data no. : 74
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Victory
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P



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Date: 2010-01-13



Site no. : 3m Chamber Data no. : 76
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI2:1080P

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	2540.000	29.46	6.42	33.75	24.31	26.44	54.00	27.56	Average
2	2540.000	29.46	6.42	33.75	43.16	45.29	74.00	28.71	Peak
3	3960.000	33.26	8.61	33.61	27.80	36.06	54.00	17.94	Average
4	3960.000	33.26	8.61	33.61	40.52	48.78	74.00	25.22	Peak
5	5825.000	35.86	9.84	34.24	27.90	39.36	54.00	14.64	Average
6	5825.000	35.86	9.84	34.24	40.30	51.76	74.00	22.24	Peak

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

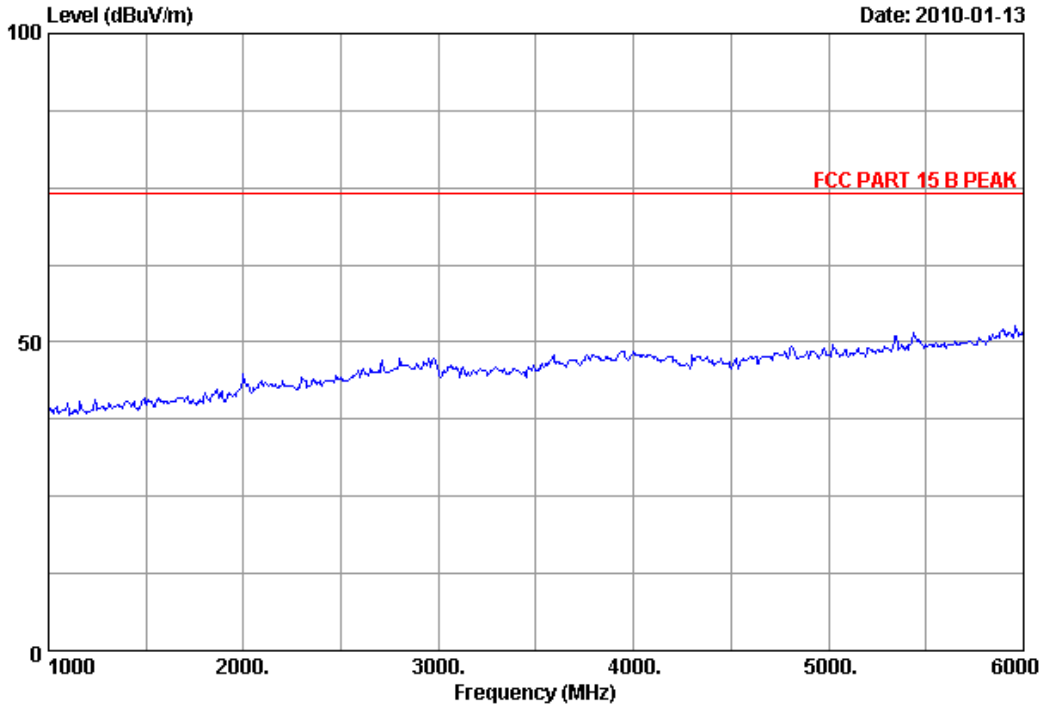


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Data: 69

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



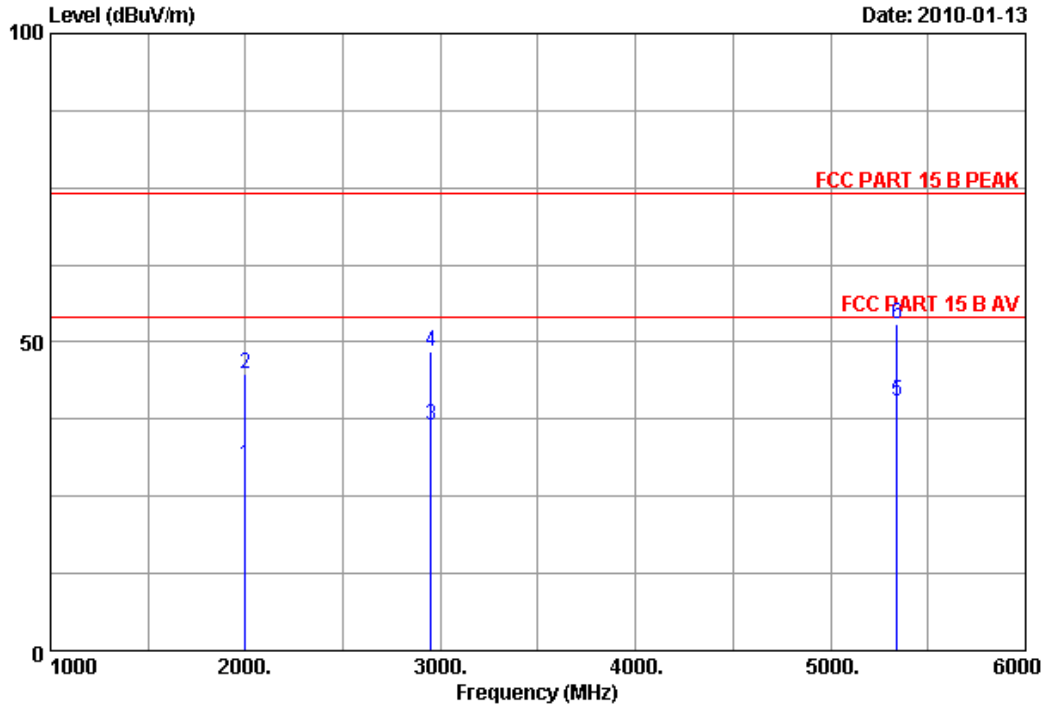
Site no.	: 3m Chamber	Data no.	: 69
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Victory
EUT	: LCD TV	M/N:	L46FHD2XF11
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And Playing Music		
	HDMI3:1080P		



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Postcode:518057

Data: 71 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 71
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

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	2000.000	26.30	5.62	33.80	32.10	30.22	54.00	23.78	Average
2	2000.000	26.30	5.62	33.80	46.64	44.76	74.00	29.24	Peak
3	2950.000	30.74	7.12	33.71	32.30	36.45	54.00	17.55	Average
4	2950.000	30.74	7.12	33.71	44.23	48.38	74.00	25.62	Peak
5	5340.000	35.13	9.74	34.07	29.61	40.41	54.00	13.59	Average
6	5340.000	35.13	9.74	34.07	42.16	52.96	74.00	21.04	Peak

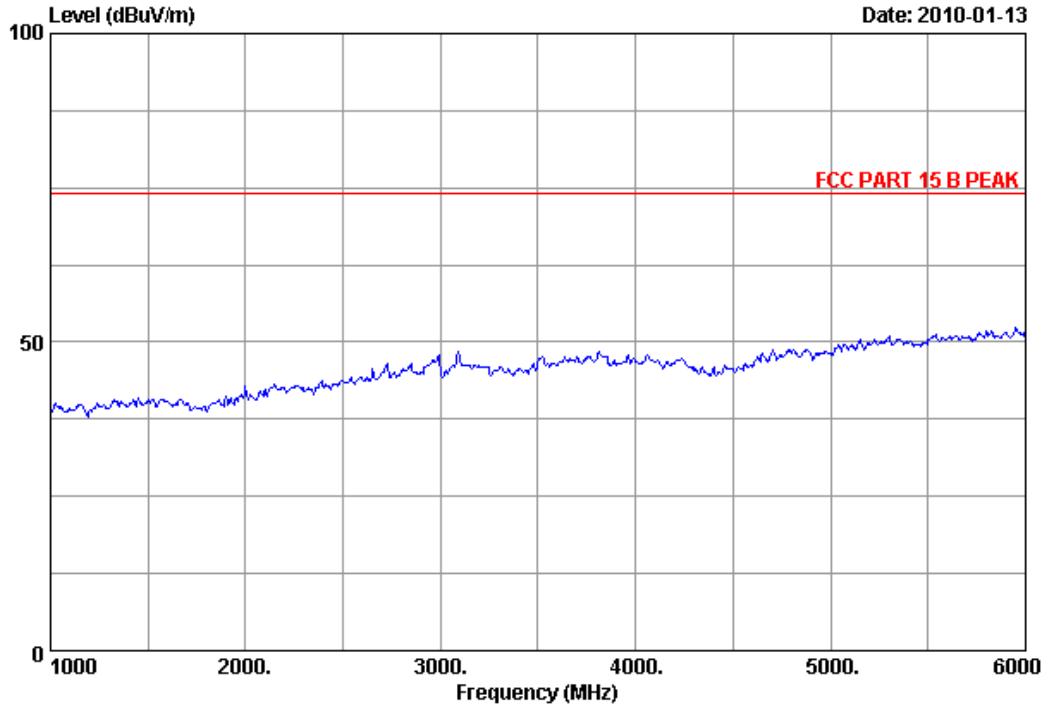
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 70 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no.	: 3m Chamber	Data no.	: 70
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:	L46FHD2XF11
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And Playing Music		
	HDMI3:1080P		

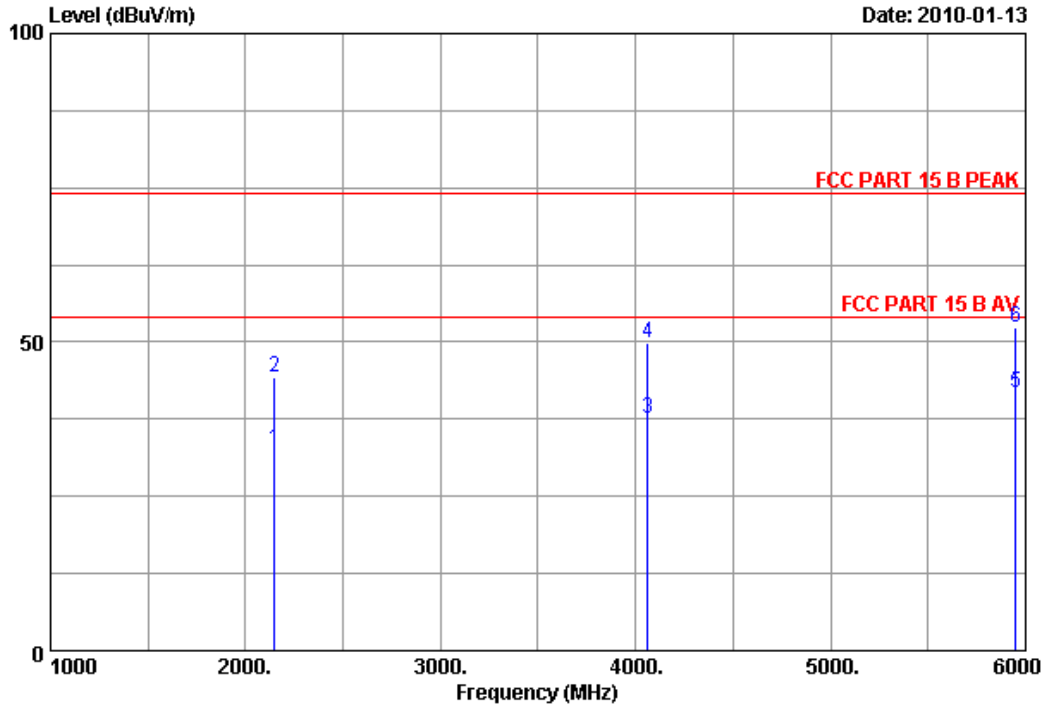


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Data: 72

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 72
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI3:1080P

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	2150.000	27.23	5.83	33.78	33.30	32.58	54.00	21.42	Average
2	2150.000	27.23	5.83	33.78	44.97	44.25	74.00	29.75	Peak
3	4060.000	33.32	8.68	33.62	29.10	37.48	54.00	16.52	Average
4	4060.000	33.32	8.68	33.62	41.44	49.82	74.00	24.18	Peak
5	5950.000	36.03	9.91	34.28	30.09	41.75	54.00	12.25	Average
6	5950.000	36.03	9.91	34.28	40.62	52.28	74.00	21.72	Peak

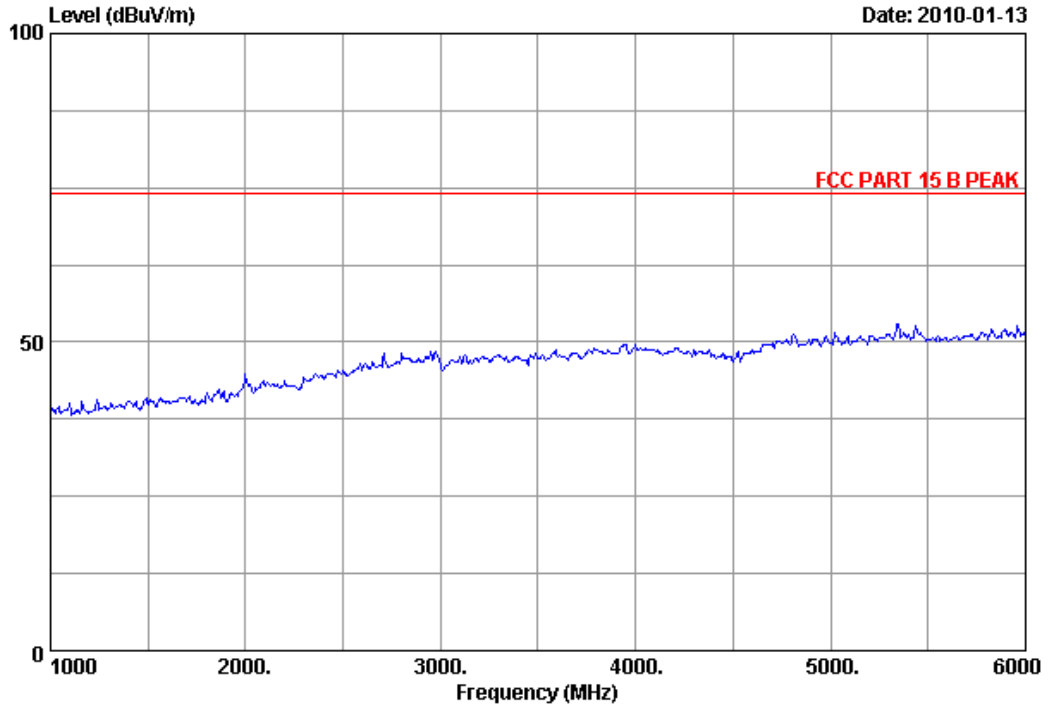
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 65 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



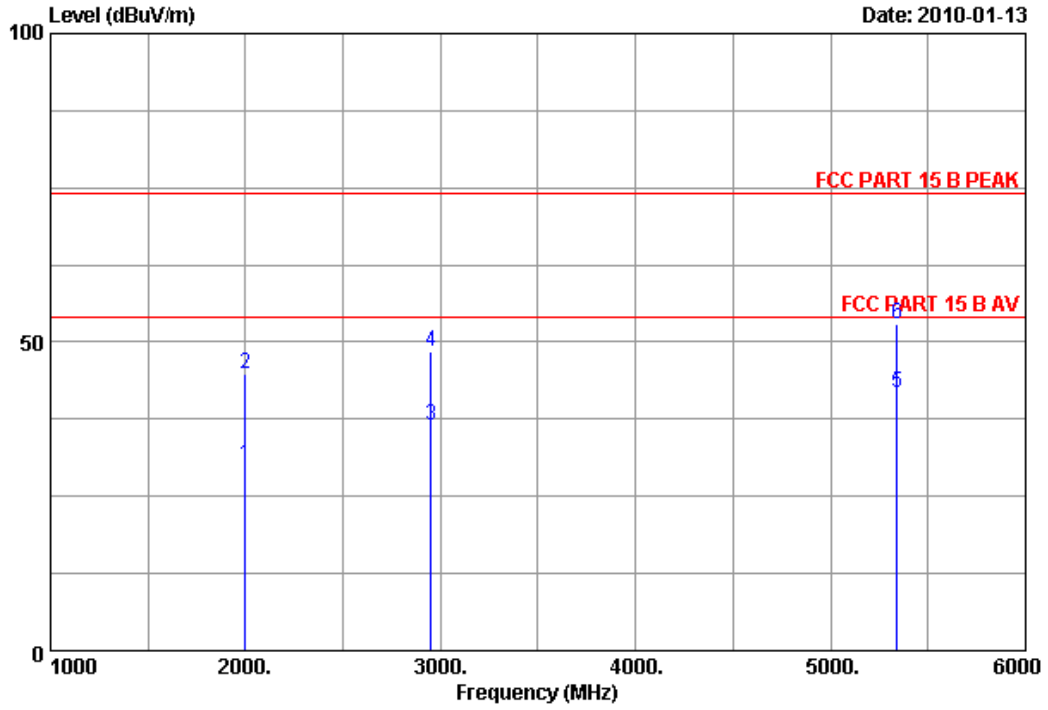
Site no. : 3m Chamber Data no. : 65
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Victory
 EUT : LCD TV M/N:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P



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Data: 67 File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 67
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

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	2000.000	26.30	5.62	33.80	32.10	30.22	54.00	23.78	Average
2	2000.000	26.30	5.62	33.80	46.64	44.76	74.00	29.24	Peak
3	2950.000	30.74	7.12	33.71	32.30	36.45	54.00	17.55	Average
4	2950.000	30.74	7.12	33.71	44.23	48.38	74.00	25.62	Peak
5	5340.000	35.13	9.74	34.07	31.11	41.91	54.00	12.09	Average
6	5340.000	35.13	9.74	34.07	42.16	52.96	74.00	21.04	Peak

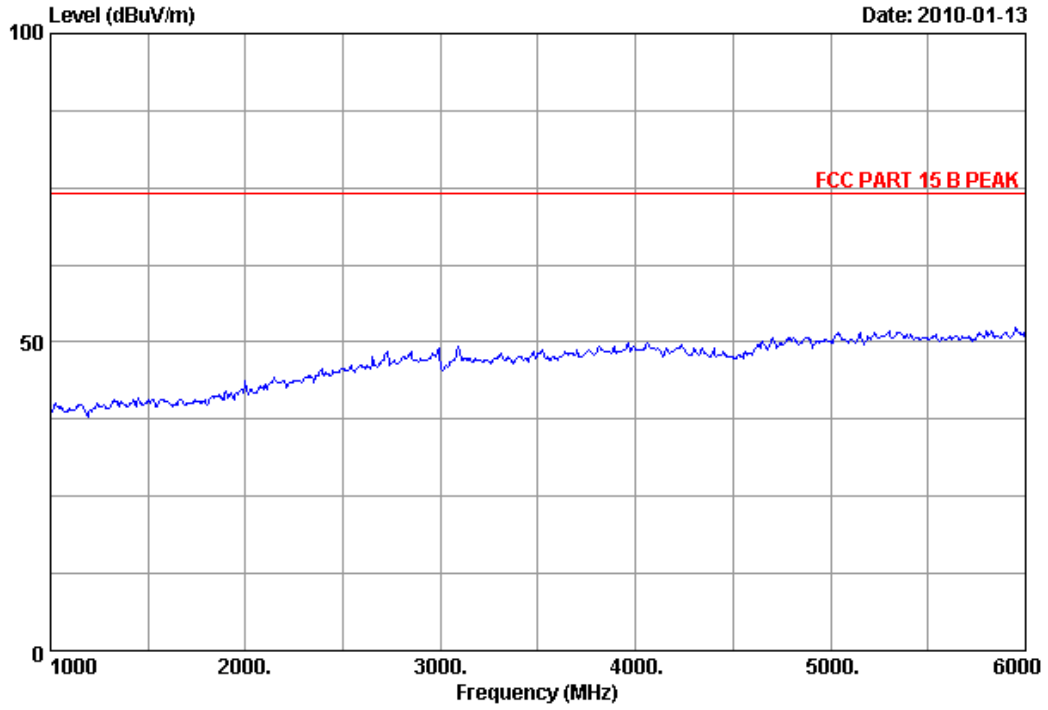
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2010-01-13



Site no.	: 3m Chamber	Data no.	: 66
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:	L46FHD2XF11
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And Playing Music		
	HDMI4:1080P		

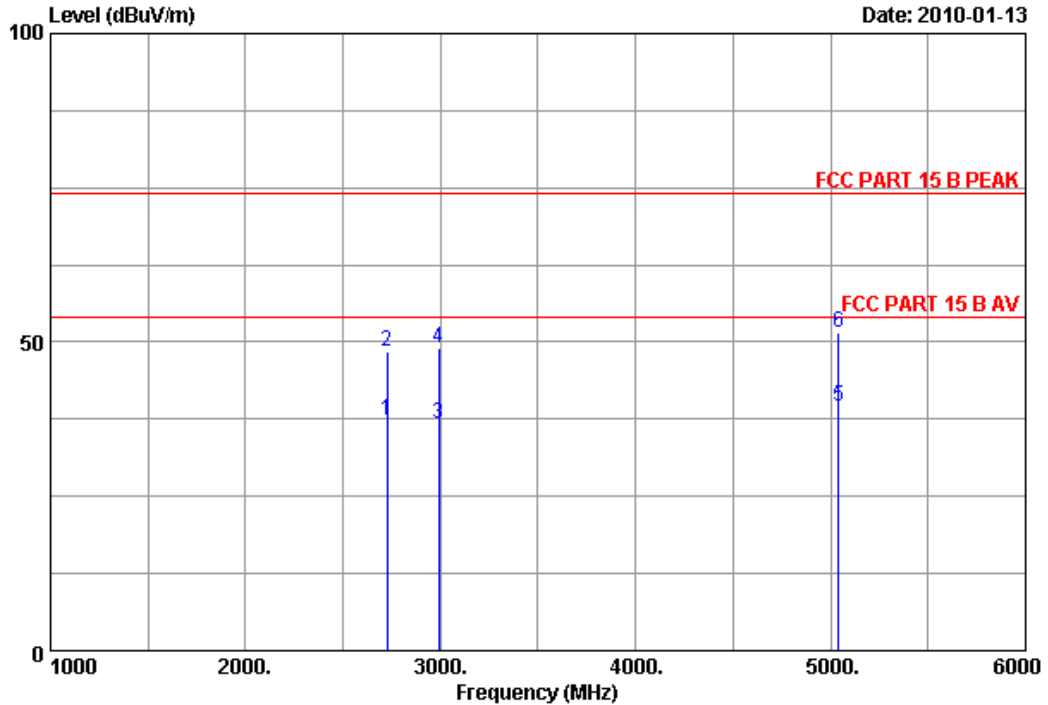


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Data: 68

File: D:\2009 Report Data\TCL\ACS9Q2082.EM6 (96)

Date: 2010-01-13



Site no. : 3m Chamber Data no. : 68
 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:L46FHD2XF11
 Power Rating : AC 120V/60Hz
 Test Mode : Running "H" Pattern And Playing Music
 HDMI4:1080P

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	2725.000	29.99	6.74	33.73	34.31	37.31	54.00	16.69	Average
2	2725.000	29.99	6.74	33.73	45.54	48.54	74.00	25.46	Peak
3	2990.000	30.85	7.21	33.70	32.30	36.66	54.00	17.34	Average
4	2990.000	30.85	7.21	33.70	44.60	48.96	74.00	25.04	Peak
5	5040.000	34.68	9.91	33.96	28.90	39.53	54.00	14.47	Average
6	5040.000	34.68	9.91	33.96	40.89	51.52	74.00	22.48	Peak

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

5. DEVIATION TO TEST SPECIFICATIONS

[NONE]

6. PHOTOGRAPH

6.1.Photos of Power Line Conducted Emission Test



6.2.Photos of Radiated Emission Test (In Anechoic Chamber)



1GHz~6GHz



7. PHOTOS OF THE EUT

M/N: L46FHDE9A

Figure 1

General Appearance of the EUT



Figure 2

General Appearance of the EUT



Figure 3
General Appearance of the EUT



Figure 4
Inside of the EUT



Figure 5
Inside of the EUT

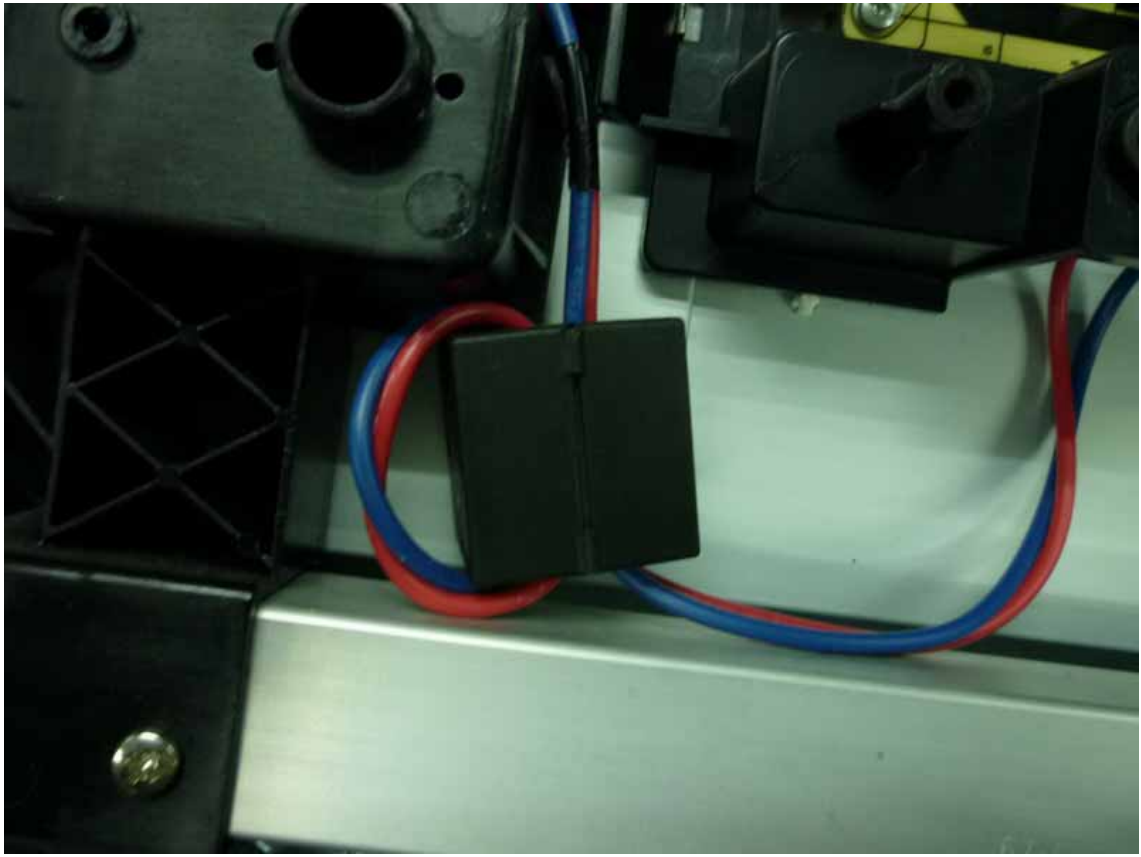


Figure 6
Inside of the EUT



Figure 7
Inside of the EUT



Figure 8
Inside of the EUT



Figure 9
Inside of the EUT



Figure 10
Speaker of the EUT

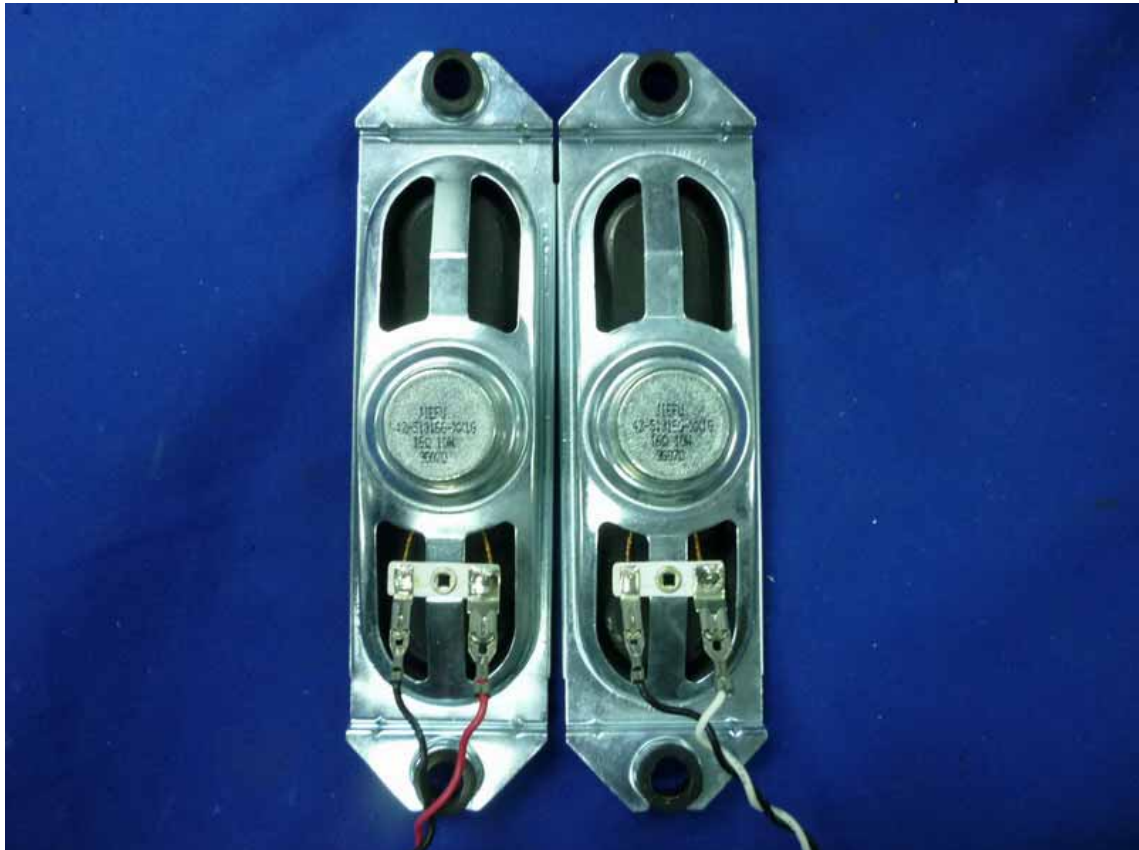


Figure 11
Speaker of the EUT



Figure 12
Component side of the PCB

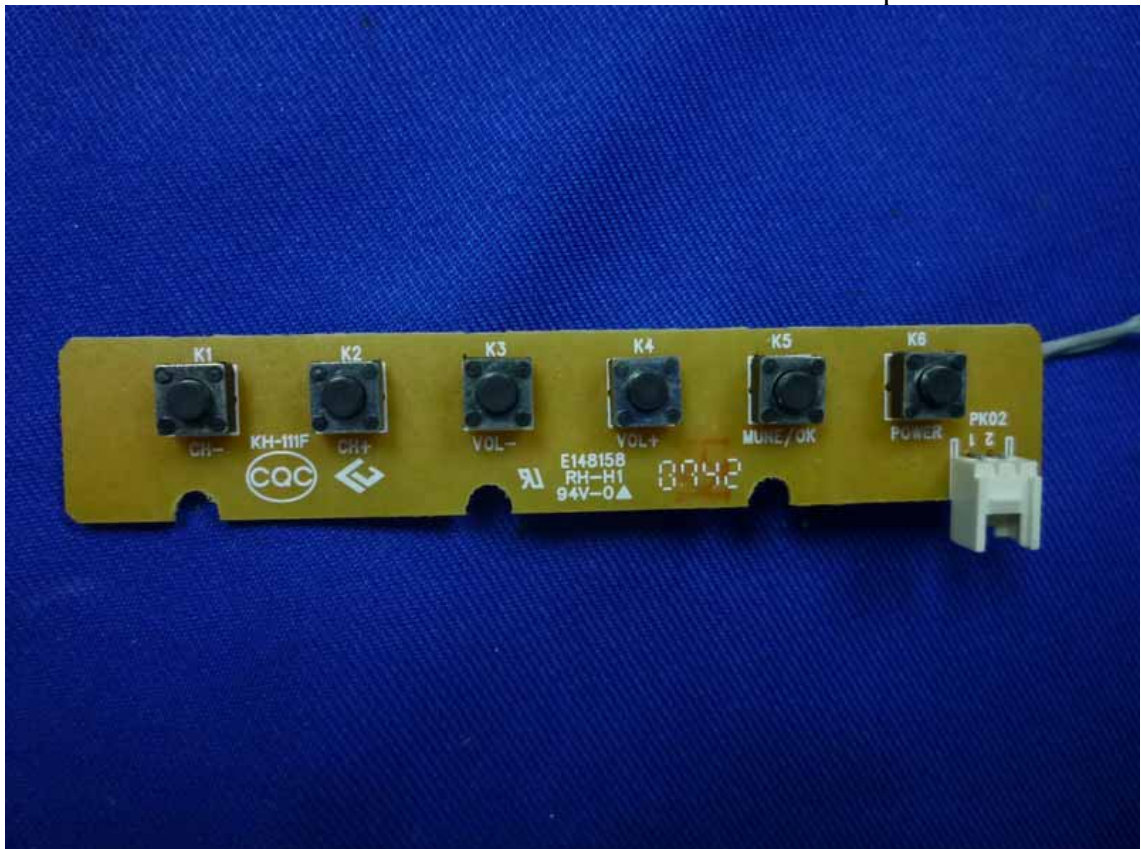


Figure 13
Component side of the PCB



Figure 14
Component Side of the PCB

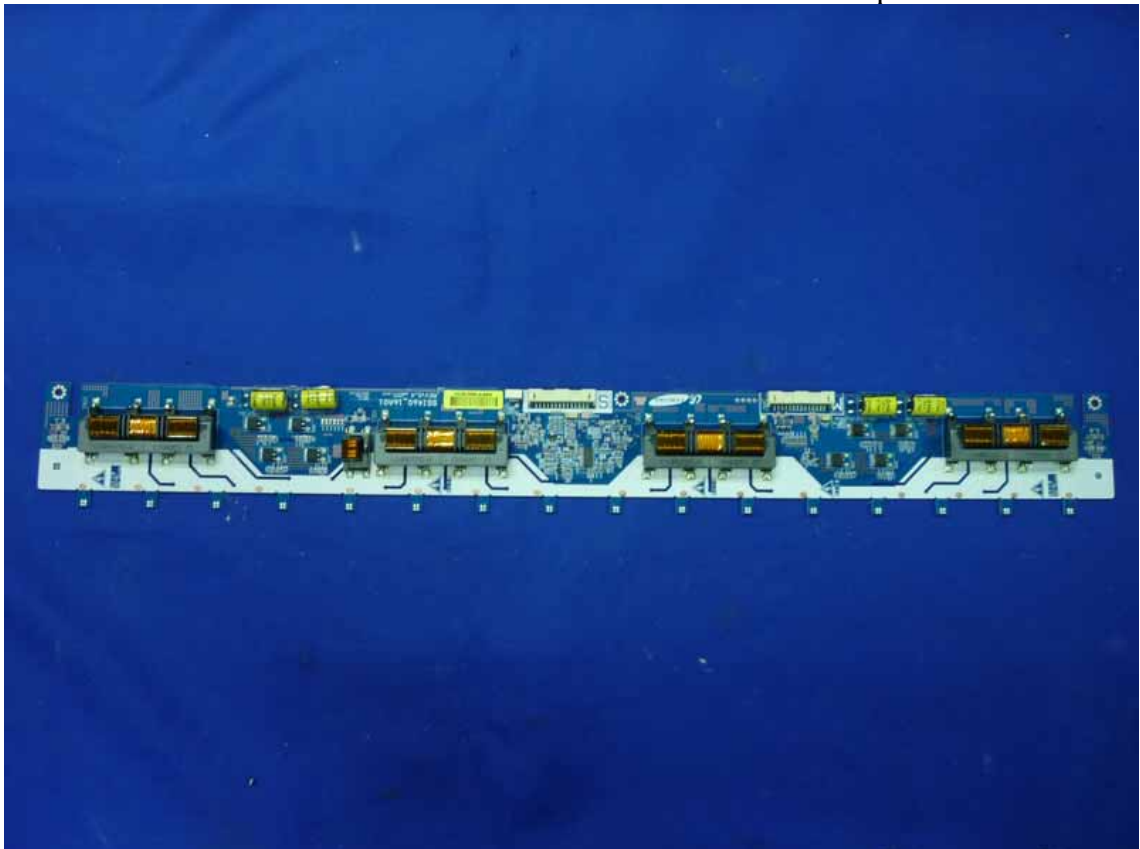


Figure 15
Component Side of the PCB



Figure 16
Component Side of the PCB



Figure 17
Component Side of the PCB

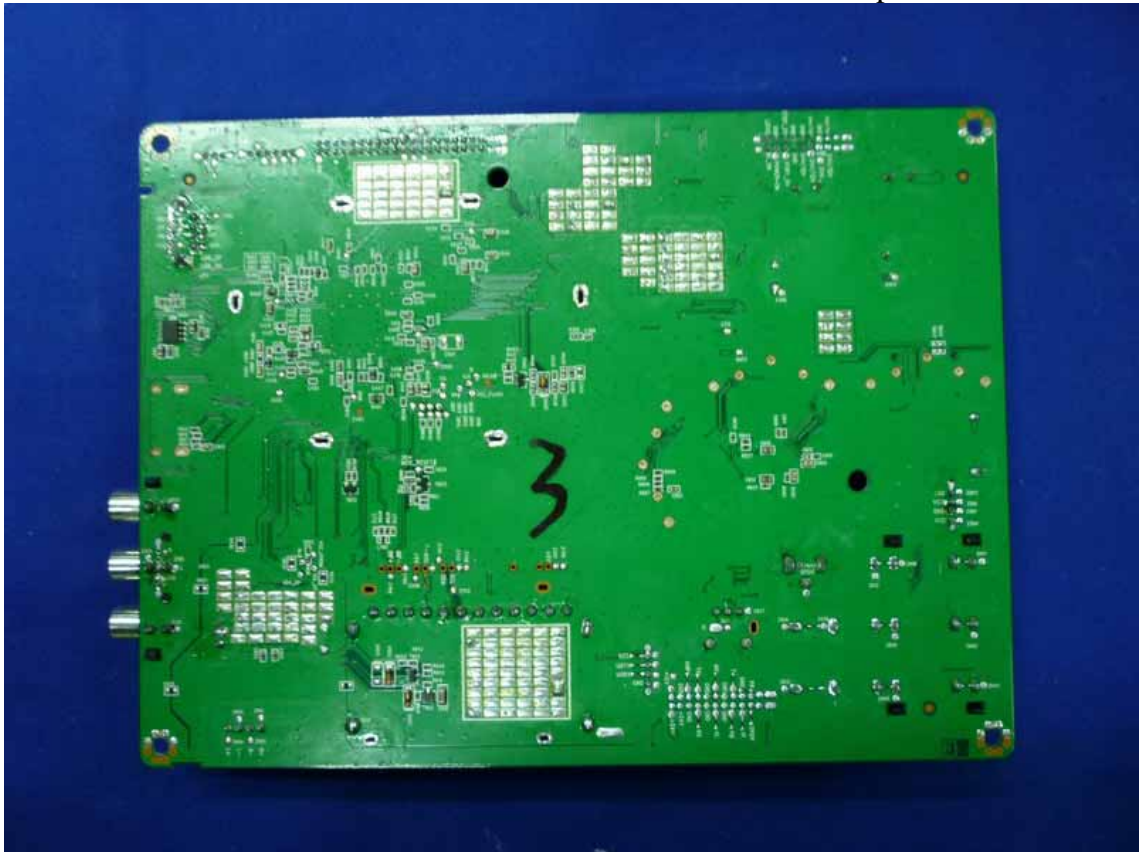


Figure 18
Component side of the PCB

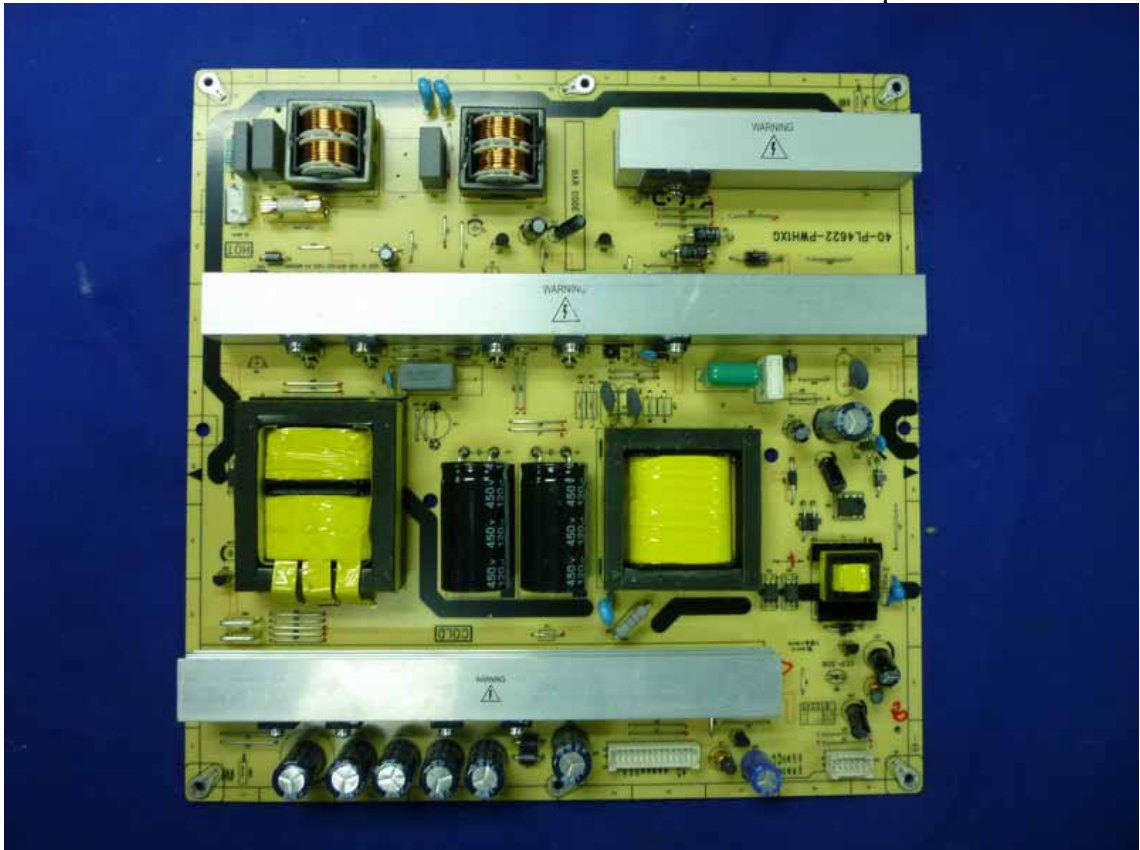
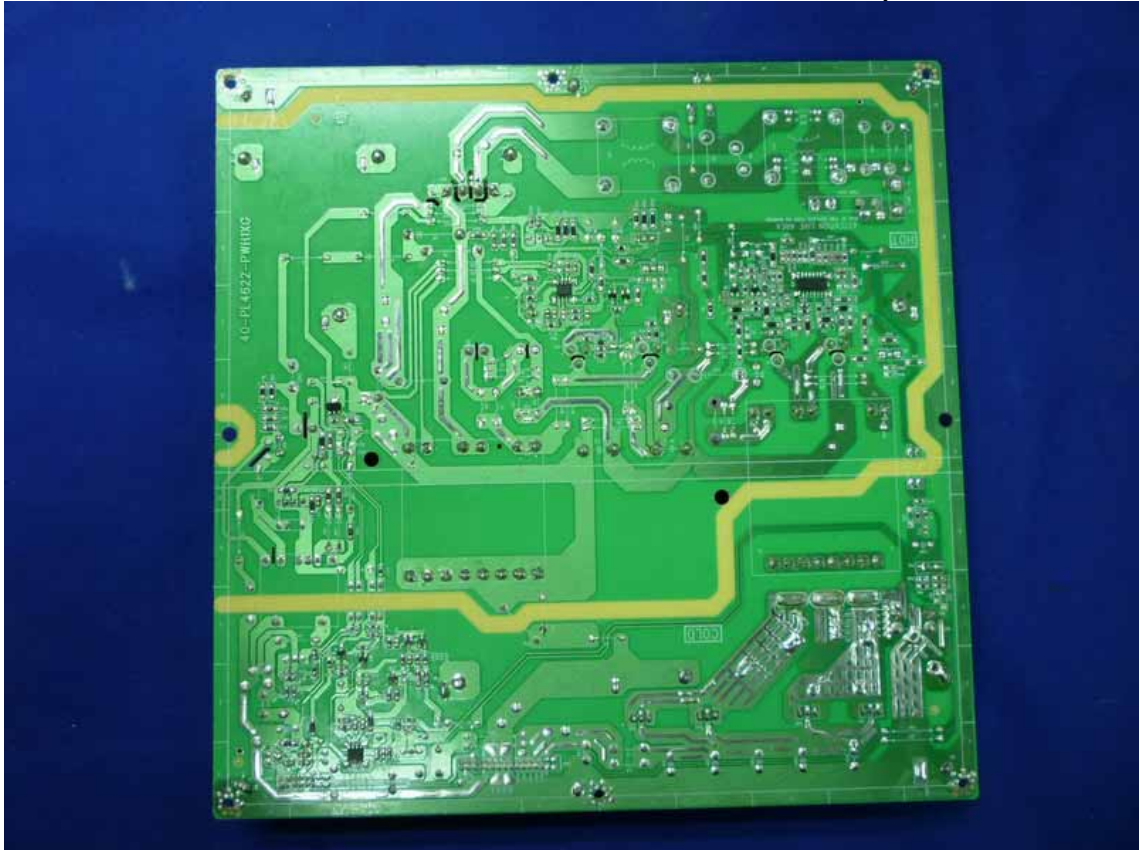


Figure 19
Component side of the PCB



M/N: L46FHD2XF11

Figure 20
General Appearance of the EUT



Figure 21
General Appearance of the EUT



Figure 22
General Appearance of the EUT



Figure 23
General Appearance of the EUT



Figure 24
Inside of the EUT



Figure 25
Inside of the EUT



Figure 26
Inside of the EUT

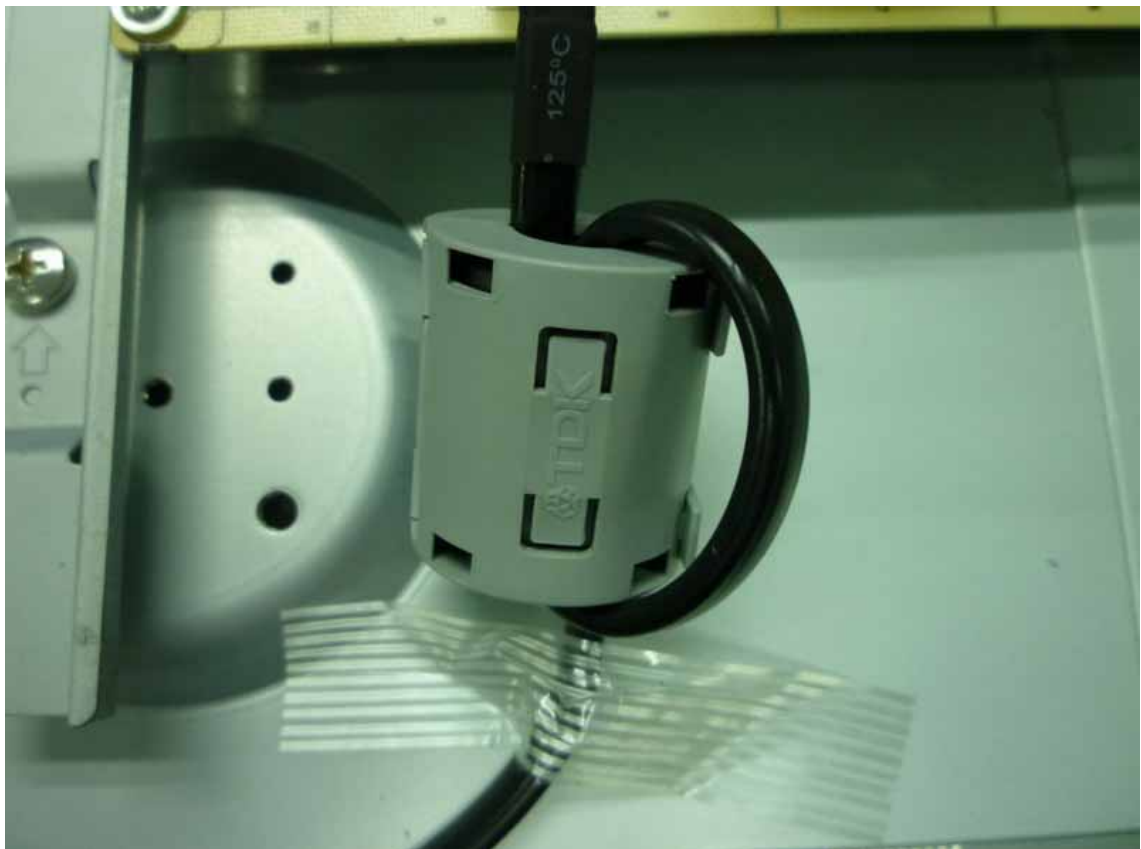


Figure 27
Inside of the EUT



Figure 28
Inside of the EUT



Figure 29
Inside of the EUT



Figure 30
Inside of the EUT



Figure 35
Component Side of the PCB

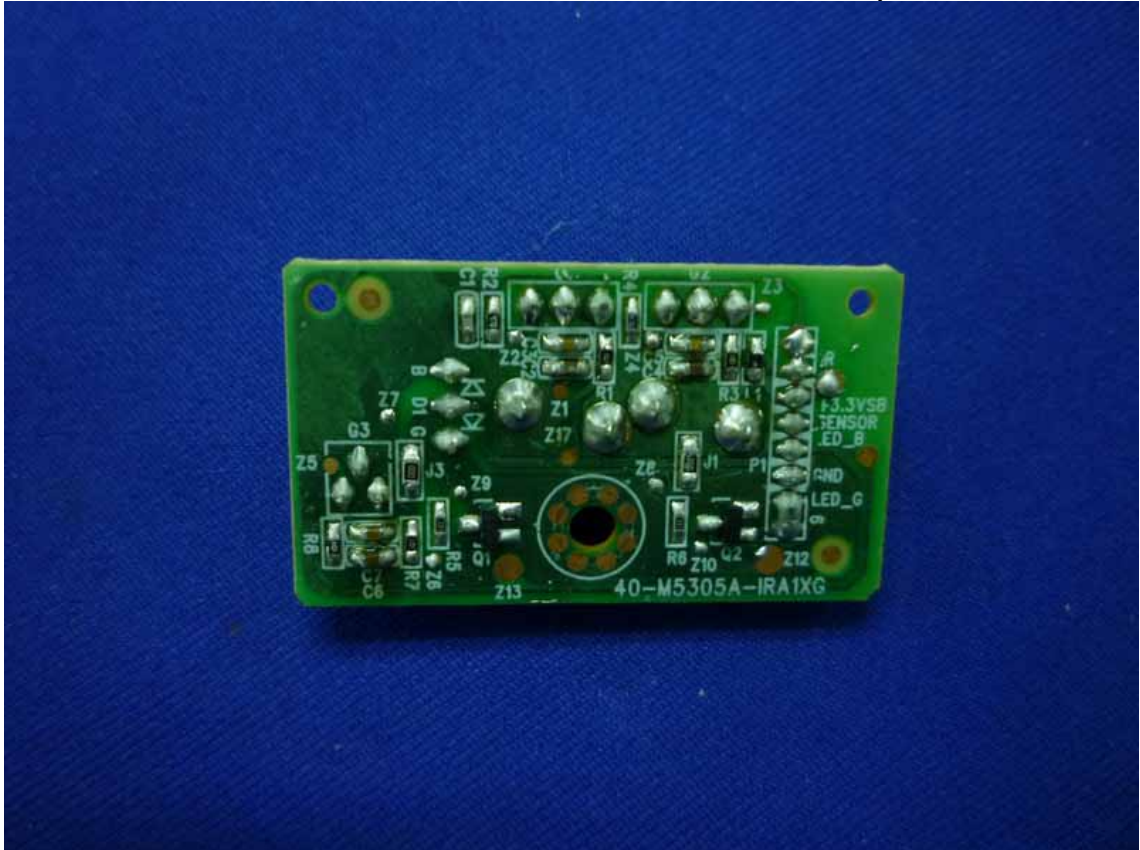


Figure 36
Component Side of the PCB



Figure 37
Tuner of the PCB



Figure 38
Component side of the PCB

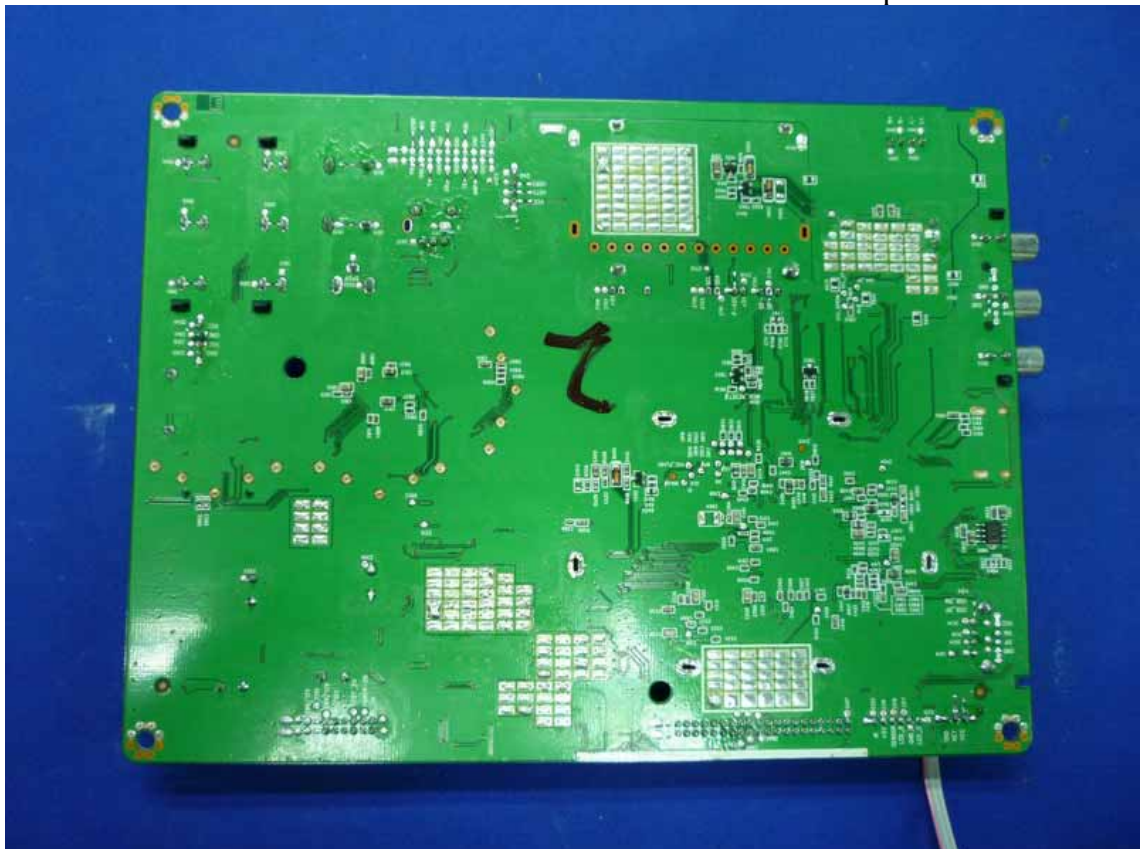


Figure 39
Component side of the PCB



Figure 40
Component side of the PCB

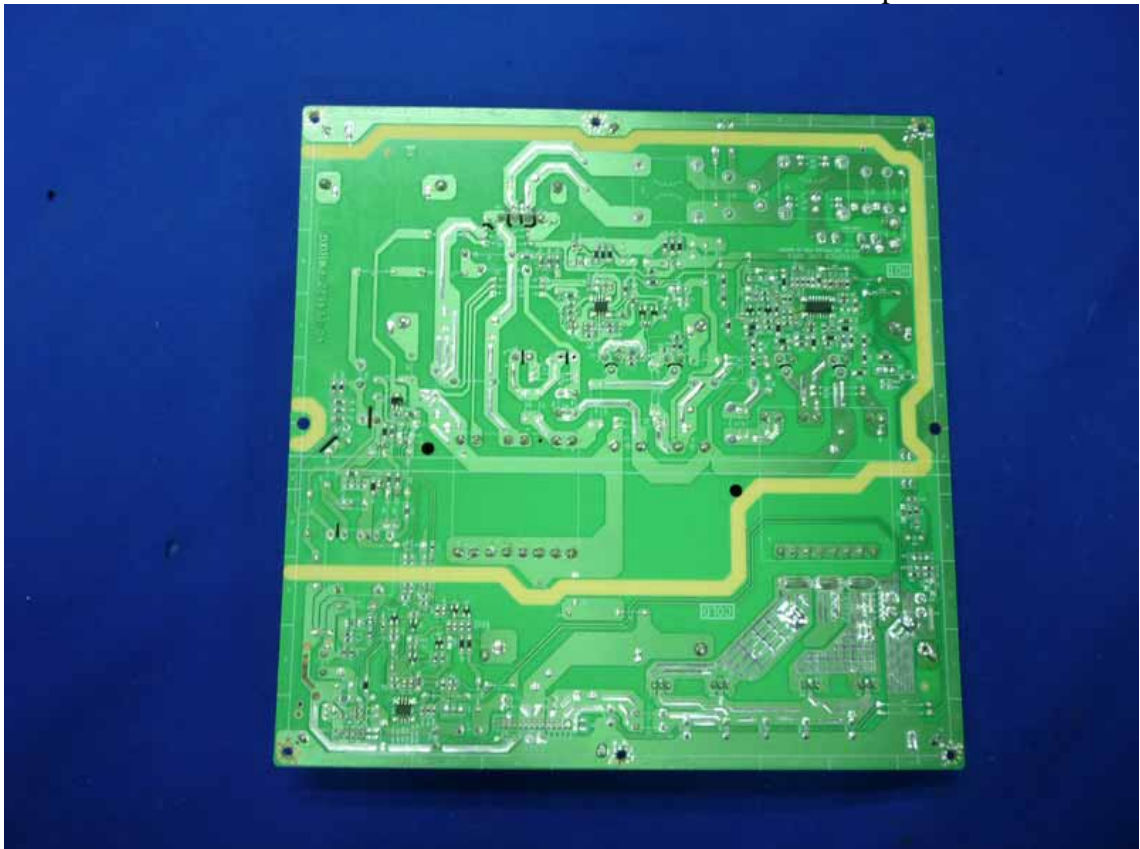


Figure 41
Component side of the PCB

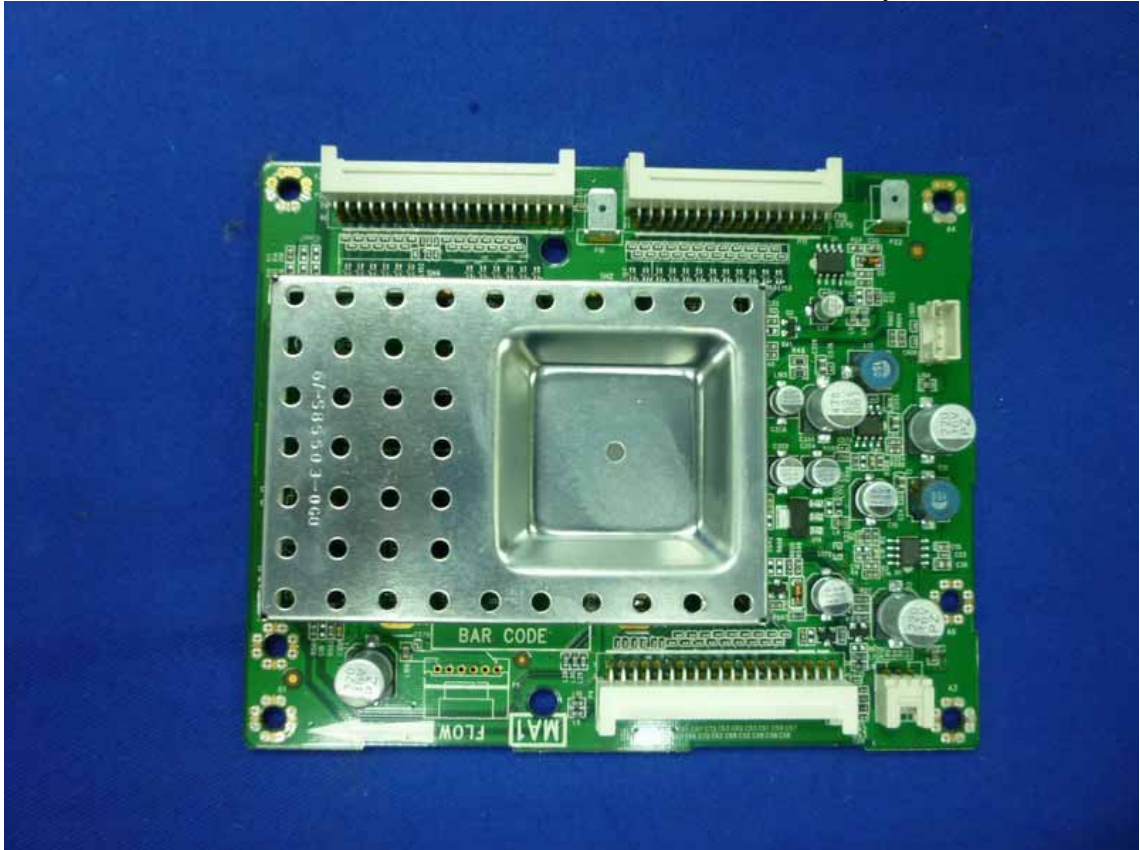


Figure 42
Component side of the PCB

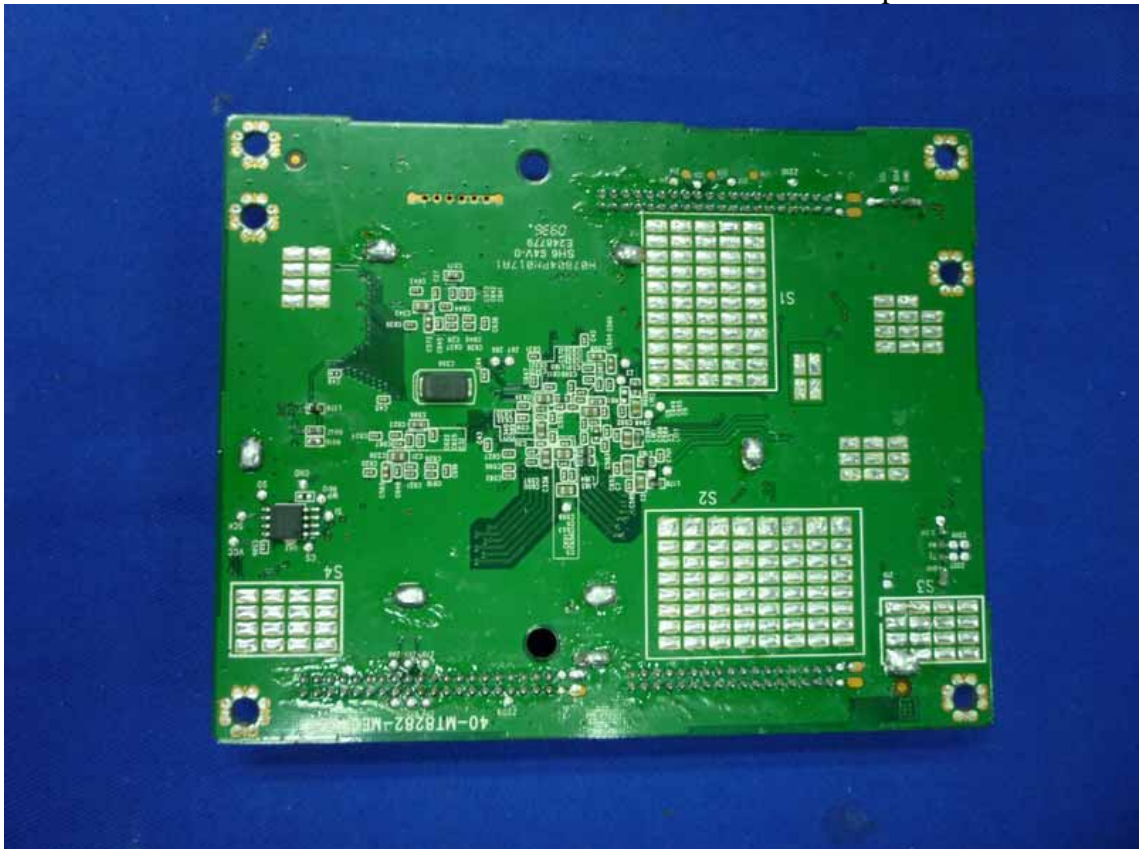


Figure 43
Component side of the PCB

