

APPLICATION OF CERTIFICATION  
For

TTE Technology Inc.

LCD TV

Brand Name	Model Number
RCA	L19HDF10

FCC ID: W8UL19HDF10

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

Prepared By: Audix Technology (Shenzhen) Co., Ltd.  
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Report Number : ACS-F10018  
Date of Test : Dec.29, 2009~Jan.12, 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 : W8UL19HDF10

(A) MODEL NO.& Brand Name :	Brand Name RCA	Model Number L19HDF10
--------------------------------	-------------------	--------------------------

(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.12, 2010

Prepared by: Edie Huang  
 Edie Haung / Assistant

Reviewer: Richzhy 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  
 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.

<b>EMISSION</b>			
<b>Description of Test Item</b>	<b>Standard</b>	<b>Limits</b>	<b>Results</b>
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 :	Brand Name	Model Number
	RCA	L19HDF10

M/N	Size	Power	Chassis	Panel	Appearance
L19HDF10	19	IPL1922	MT5305A	CPT CLAA185WA03	F10

FCC ID : W8UL19HDF10

Applicant : TTE Technology Inc.  
5541 West 74<sup>th</sup> 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, 1.5m

Date of Test : Dec.29, 2009~Jan.12, 2010

Date of Receipt : Dec.26, 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%



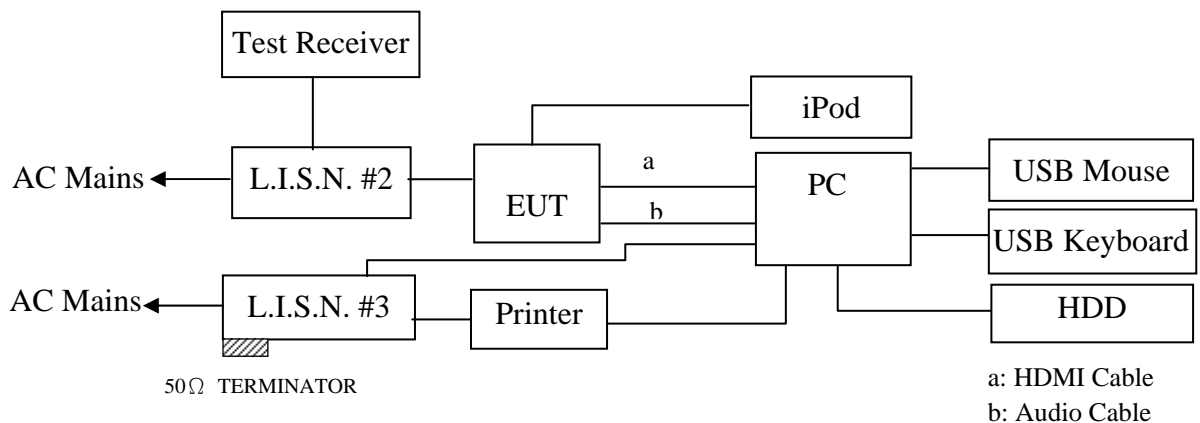
### 3. POWER LINE CONDUCTED EMISSION TEST

#### 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 : L19HDF10

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) 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) to read Q.P values and Average values, all the test results are listed in next pages.

EUT: LCD TV                      Model No. : L19HDF10

Test Date: Dec.29, 2009              Temperature: 23°C              Humidity: 54%

The details of test modes are as follows :

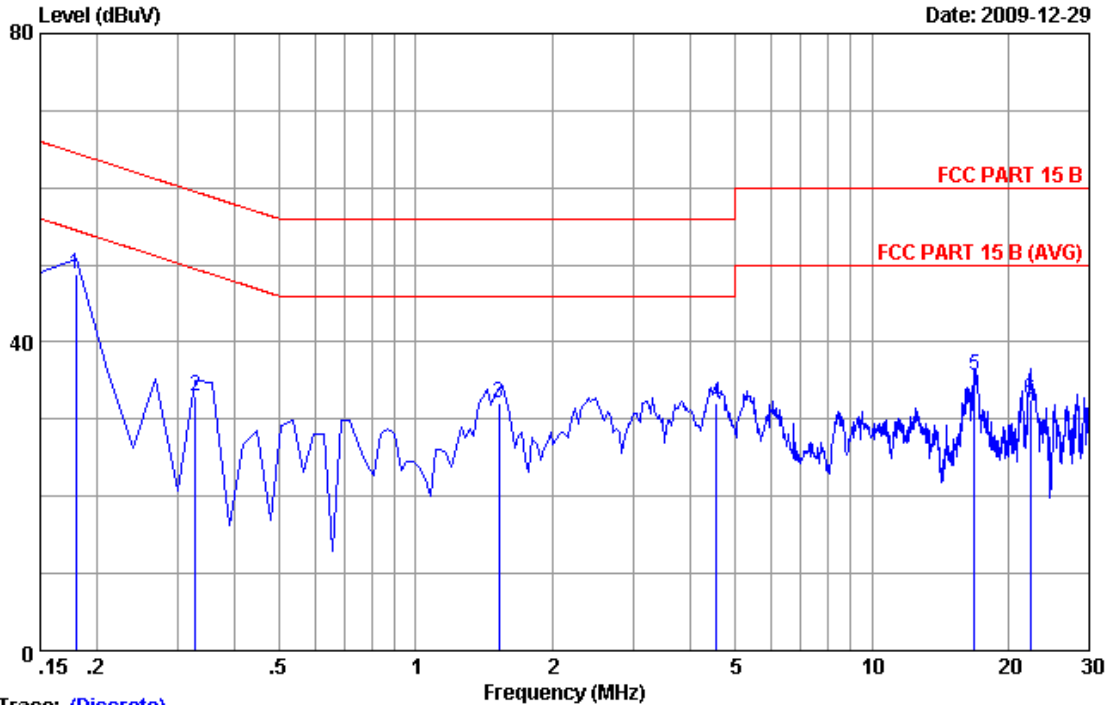
No.	Test Mode	Resolution & Frequency	Reference Test Data No.	
			VA	VB
1.	Running "H" Pattern and Playing Music	HDMI 1080P	#1	#2



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Data: 1 File: D:\DATA\2009 Report\TCL\ACS9Q2085.EM6 (26)

Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :1  
 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:L19HDF10  
 Power Rating :AC 120V/60Hz  
 Test Mode :Running "H" Pattern And Playing Music  
 HDMI:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.43	9.88	38.46	48.77	64.49	15.72	QP
2	0.32910	0.37	9.89	22.64	32.90	59.47	26.57	QP
3	1.523	0.35	9.89	21.94	32.18	56.00	23.82	QP
4	4.568	0.39	9.91	21.74	32.04	56.00	23.96	QP
5	16.836	0.52	9.98	25.12	35.62	60.00	24.38	QP
6	22.299	0.61	10.03	21.92	32.56	60.00	27.44	QP

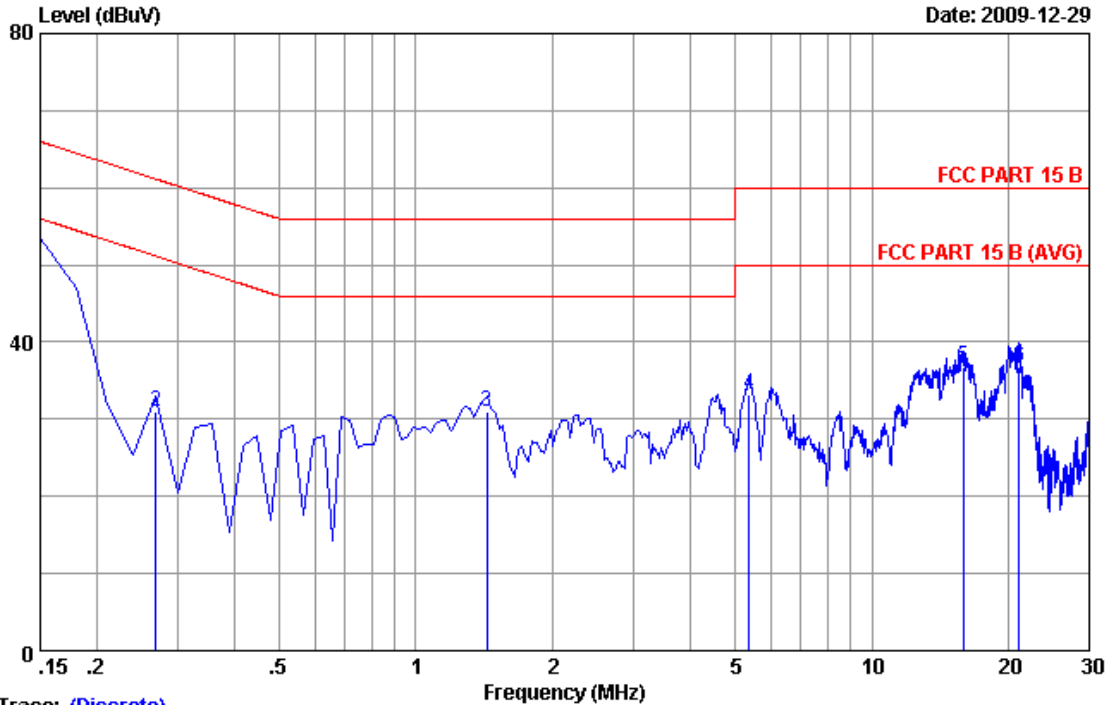
Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.  
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Data: 2 File: D:\DATA\2009 Report\TCL\ACS9Q2085.EM6 (26)

Date: 2009-12-29



Trace: (Discrete)

Site no :Audix No.1 Conduction Data no :2  
 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:L19HDF10  
 Power Rating :AC 120V/60Hz  
 Test Mode :Running "H" Pattern And Playing Music  
 HDMI:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.49	9.88	41.07	51.44	66.00	14.56	QP
2	0.26940	0.42	9.88	20.76	31.06	61.14	30.08	QP
3	1.434	0.36	9.89	20.77	31.02	56.00	24.98	QP
4	5.374	0.38	9.91	22.95	33.24	60.00	26.76	QP
5	15.851	0.49	9.98	26.26	36.73	60.00	23.27	QP
6	21.075	0.57	10.02	26.24	36.83	60.00	23.17	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)

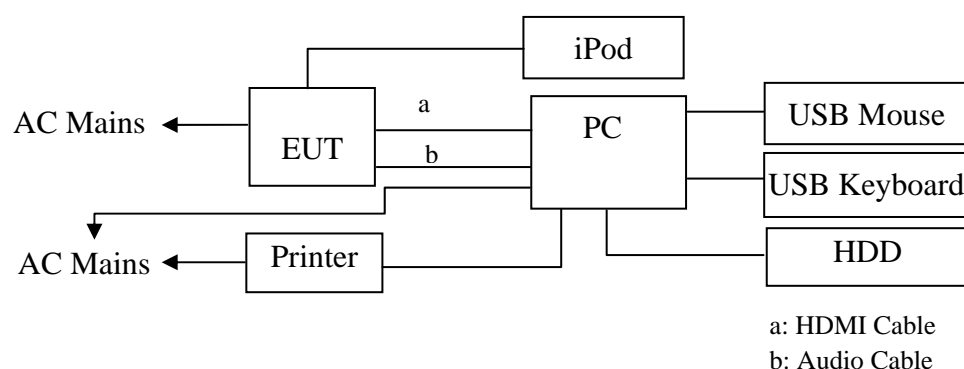
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,09	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 09	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 09	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 09	1 Year
5	Bilog 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

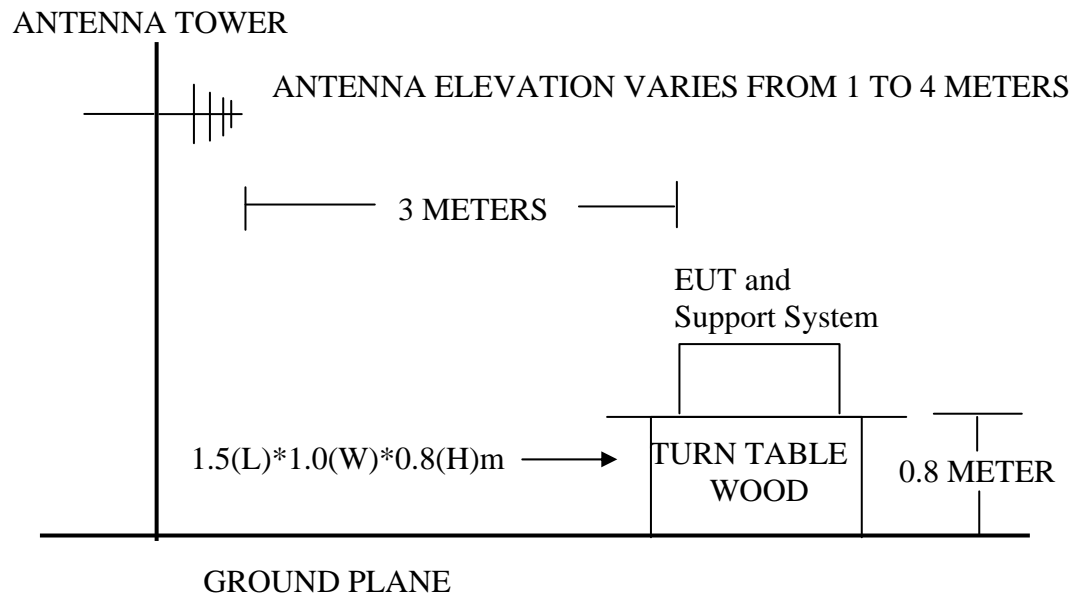
### 4.2. Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and simulators

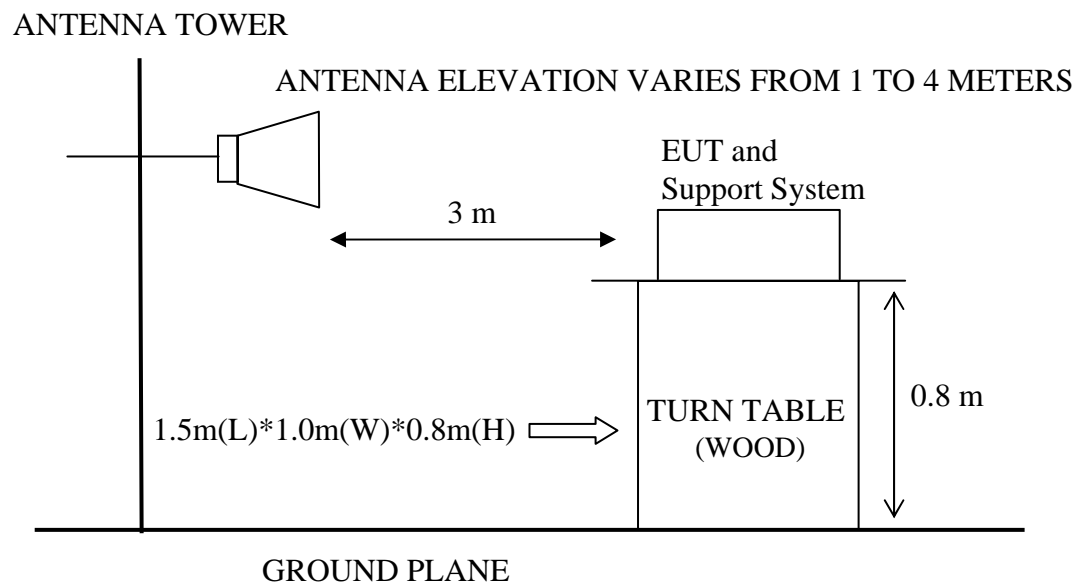


(EUT: LCD TV)

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(μV)/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(μV)/m (Peak) 54.0 dB(μV)/m (Average)

- Remark :
- (1) Emission level dBμV = 20 log Emission level μV/m
  - (2) The smaller limit shall apply at the cross point between two frequency bands.
  - (3) 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 : L19HDF10  
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) and test 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) to read Q.P values, all the test results are listed in next pages.

EUT: LCD TV

Model No. : L19HDF10

Test Date: Jan.09, 2010

Temperature: 24°C

Humidity: 56%

The details of test modes are as follows :

No.	Test Mode	Resolution & Frequency	Reference Test Data No.	
			Horizontal	Vertical
1.	Running "H" Pattern and Playing Music	HDMI 1080P	#1	#2

##### **For frequency range 1GHz~6GHz**

The EUT with below test mode 1 was 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.12, 2010

Temperature: 24°C

Humidity: 56%

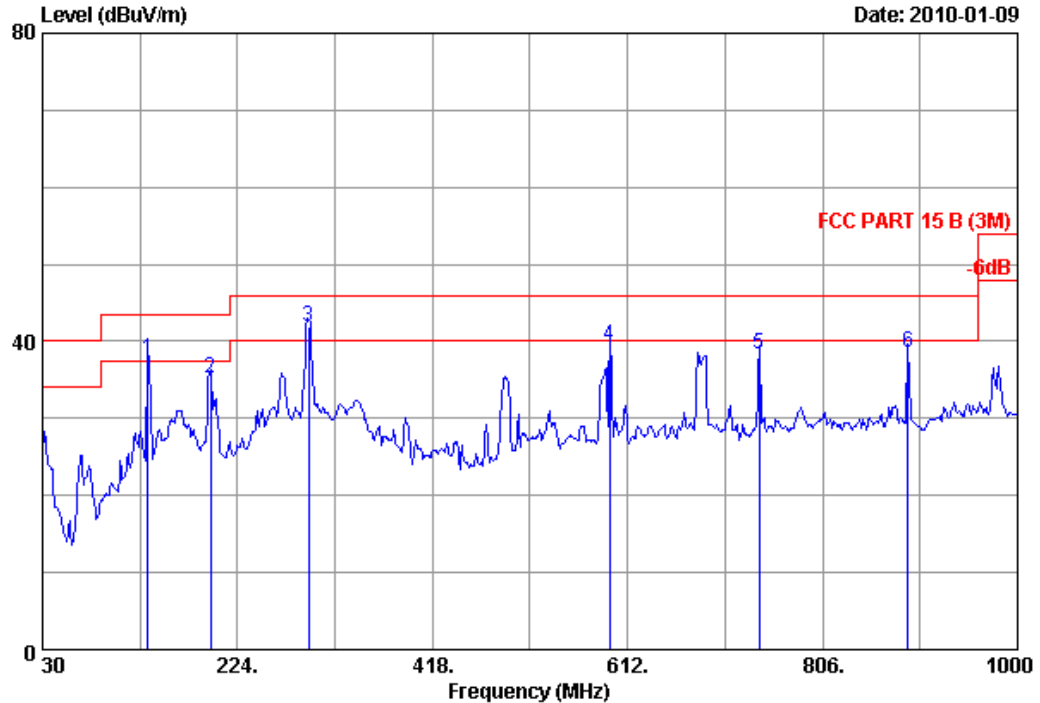
No.	Test Mode	Resolution & Frequency	Reference Test Data No.	
			Horizontal	Vertical
1.	Running "H" Pattern and Playing Music	HDMI 1080P	#27, #29	#28, #30



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Data: 1 File: D:\2009 Report Data\TCL\ACS9Q2085.EM6 (26)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 1  
 Dis. / Ant. : 3m 2009 CBL6111C Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B (3M)  
 Env. / Ins. : 24°C/56% Engineer : Cary Luo  
 EUT : LCD TV M/N:L19HDF10  
 Power Rating : AC 120V/60Hz  
 Test Mode : Running "H" Pattern And Playing Music  
 HDMI:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	134.760	12.10	1.03	24.48	37.61	43.50	5.89	QP
2	196.840	9.82	1.29	24.13	35.24	43.50	8.26	QP
3	294.810	13.70	1.72	26.42	41.84	46.00	4.16	QP
4	594.540	19.85	2.48	17.03	39.36	46.00	6.64	QP
5	742.950	21.86	2.91	13.56	38.33	46.00	7.67	QP
6	891.360	22.89	3.17	12.54	38.60	46.00	7.40	QP

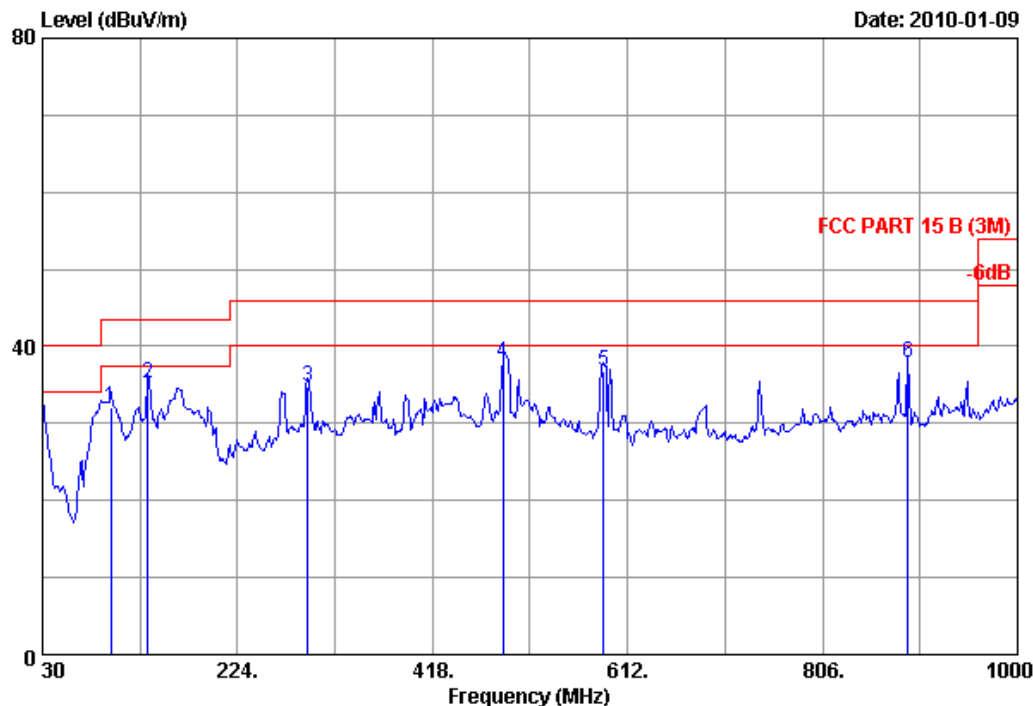
- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
  2. The emission levels that are 20dB below the official limit are not reported.
  3. The worst emission was detected at 294.810MHz with corrected signal level of 41.84dBuV/m (Limit is 46.00dBuV/m) when the antenna was at horizontal 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: 2 File: D:\2009 Report Data\TCL\ACS9Q2085.EM6 (26)

Date: 2010-01-09



Site no. : 3m chamber Data no. : 2  
 Dis. / Ant. : 3m 2009 CBL6111C Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B (3M)  
 Env. / Ins. : 24°C/56% Engineer : Cary Luo  
 EUT : LCD TV M/N:L19HDF10  
 Power Rating : AC 120V/60Hz  
 Test Mode : Running "H" Pattern And Playing Music  
 HDMI:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	97.900	10.12	0.89	20.98	31.99	43.50	11.51	QP
2	134.760	12.10	1.03	22.18	35.31	43.50	8.19	QP
3	293.840	13.68	1.72	19.44	34.84	46.00	11.16	QP
4	487.840	18.18	2.21	17.60	37.99	46.00	8.01	QP
5	587.750	19.76	2.46	14.57	36.79	46.00	9.21	QP
6	891.360	22.89	3.17	11.76	37.82	46.00	8.18	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 487.840MHz with corrected signal level of 37.99dBμV/m (Limit is 46.00dBμV/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.

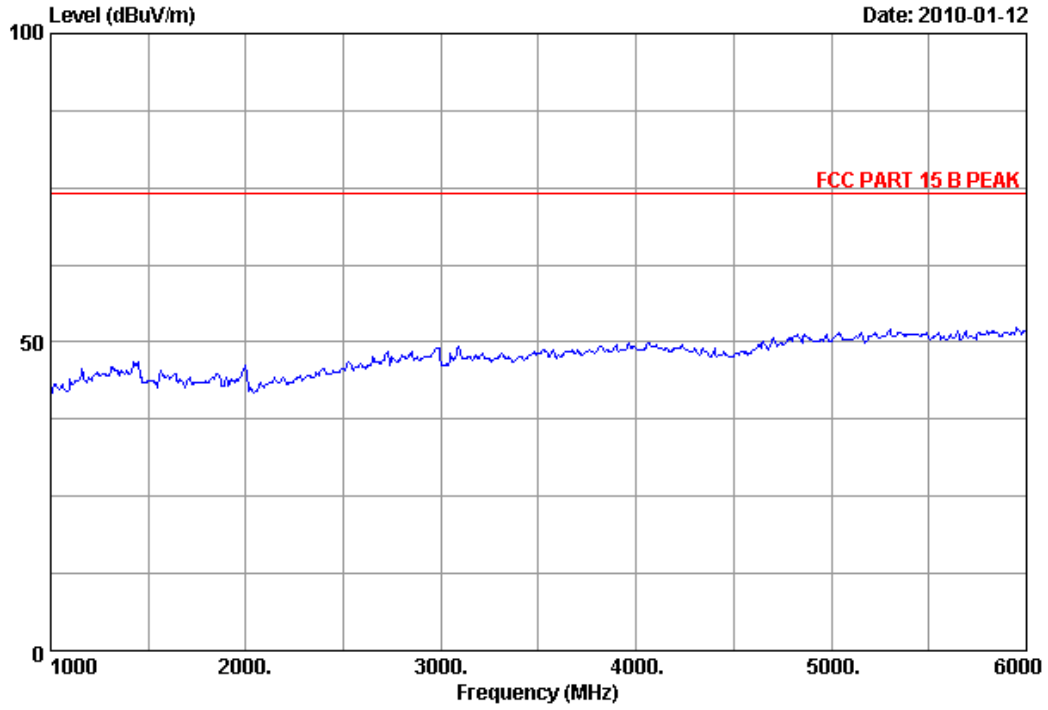


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Data: 27

File: D:\2009 Report Data\TCL\ACS9Q2085.EM6 (30)

Date: 2010-01-12



Site no.	: 3m Chamber	Data no.	: 27
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L19HDF10		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And Playing Music		
	HDMI:1080P		

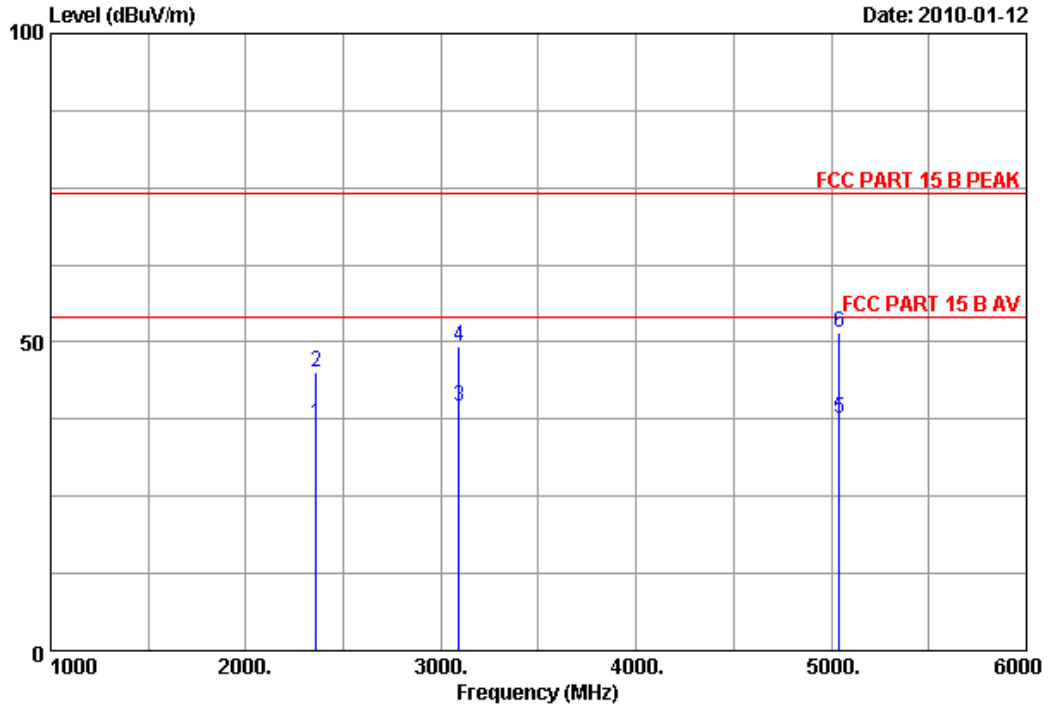


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Data: 29

File: D:\2009 Report Data\TCL\ACS9Q2085.EM6 (30)

Date: 2010-01-12



Site no. : 3m Chamber Data no. : 29  
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B PEAK  
 Env. / Ins. : 24°C/56% Engineer : Cary Luo  
 EUT : LCD TV M/N:L19HDF10  
 Power Rating : AC 120V/60Hz  
 Test Mode : Running "H" Pattern And Playing Music  
 HDMI: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	35.79	36.65	54.00	17.35	Average
2	2360.000	28.47	6.15	33.76	44.30	45.16	74.00	28.84	Peak
3	3090.000	30.97	7.37	33.69	34.90	39.55	54.00	14.45	Average
4	3090.000	30.97	7.37	33.69	44.75	49.40	74.00	24.60	Peak
5	5040.000	34.68	9.91	33.96	27.10	37.73	54.00	16.27	Average
6	5040.000	34.68	9.91	33.96	40.89	51.52	74.00	22.48	Peak

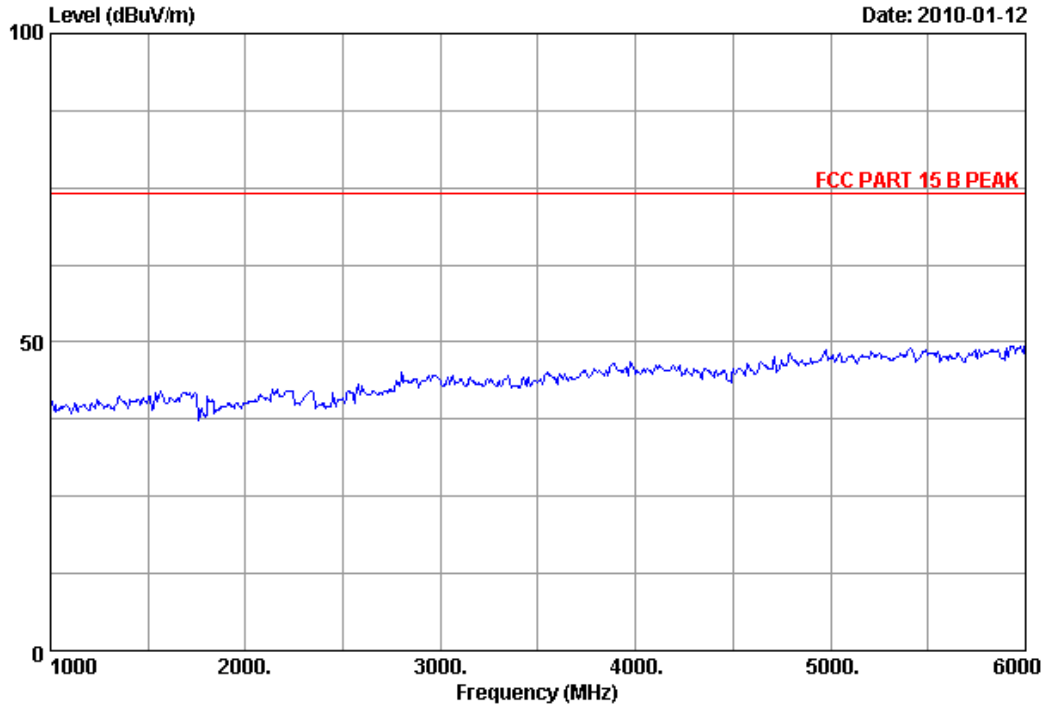
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 28 File: D:\2009 Report Data\TCL\ACS9Q2085.EM6 (30)

Date: 2010-01-12



Site no.	: 3m Chamber	Data no.	: 28
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L19HDF10		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And Playing Music		
	HDMI:1080P		

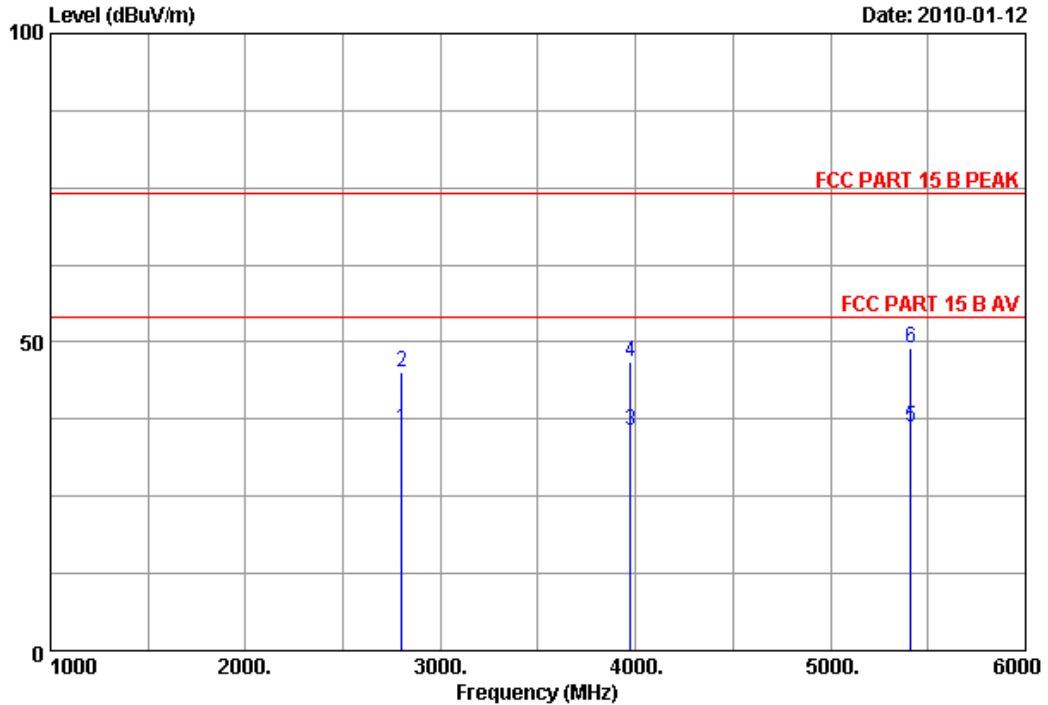


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Data: 30

File: D:\2009 Report Data\TCL\ACS9Q2085.EM6 (30)

Date: 2010-01-12



Site no. : 3m Chamber Data no. : 30  
 Dis. / Ant. : 3m 2009 3115 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B PEAK  
 Env. / Ins. : 24°C/56% Engineer : Cary Luo  
 EUT : LCD TV M/N:L19HDF10  
 Power Rating : AC 120V/60Hz  
 Test Mode : Running "H" Pattern And Playing Music  
 HDMI: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	2800.000	30.26	6.86	33.72	32.51	35.91	54.00	18.09	Average
2	2800.000	30.26	6.86	33.72	41.72	45.12	74.00	28.88	Peak
3	3975.000	33.33	8.61	33.60	27.30	35.64	54.00	18.36	Average
4	3975.000	33.33	8.61	33.60	38.58	46.92	74.00	27.08	Peak
5	5410.000	35.24	9.70	34.09	25.40	36.25	54.00	17.75	Average
6	5410.000	35.24	9.70	34.09	38.13	48.98	74.00	25.02	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 ]