APPLICATION OF CERTIFICATION
For

TTE Technology Inc.

LCD TV

Brand Name	Model Number
RCA	L40FHD41

FCC ID: W8UL40FHD41

Prepared for : TTE Technology Inc.
101 West 103rd Street, Indianapolis, IN 46290, United States

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

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Report Number : ACS-F09050
Date of Test : Nov.19~26, 2008
Date of Report : Mar.19, 2009

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Description **Page**

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	:	W8UL40FHD41

(A) MODEL NO.& Brand Name :

Brand Name	Model Number
RCA	L40FHD41

(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

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: Nov.19~ 26, 2008

Prepared by: Daisy Ye

Daisy Ye / Assistant

Reviewer: Richzhy

Richzhy Zhong / Assistant Manager

AUDIX® 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 3/23/09

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 :

Brand Name	Model Number
RCA	L40FHD41

Chassis : RS95

Power : PWL37C-02B

FCC ID : W8UL40FHD41

Applicant : TTE Technology Inc.
101 West 103rd Street, Indianapolis, IN 46290, United States

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, Detachable, 1.5m

Date of Test : Nov.19~26, 2008

Date of Receipt : Nov.19, 2008

Sample Type : Prototype production

2.2.Tested Supporting System Details

2.2.1. PC

EMC CODE	:	Test PC H
M/N	:	DCTA
S/N	:	7XLD22X
Manufacturer	:	Dell
Power cord	:	Unshielded, Detachabled , 1.8m
FCC ID	:	By DoC
BSMI ID	:	R 33002

2.2.2. USB Keyboard

EMC CODE	:	ACS-EMC-K11R
M/N	:	SK-8115
S/N	:	CN-ODJ313-71616-6BB-049J
Manufacturer	:	DELL
Data Cable	:	Shielded, Undetachabled, 2.0m
FCC ID	:	By DoC
BSMI ID	:	T3A002

2.2.3. PRINTER

EMC CODE	:	ACS-EMC-PT03
M/N	:	EN8060A
S/N	:	908A1001201
Manufacturer	:	OKIPAGE
Data Cable	:	Shielded, Detachabled, 1.5m
Power Cord	:	Unshielded, Detachabled, 1.8m
FCC ID	:	By DoC
BSMI ID	:	3882A463

2.2.4. USB MOUSE

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

2.2.5. HDD

EMC CODE	:	ACS-EMC-HDD01
M/N	:	F12-UF
S/N	:	A0100215-5390031
Manufacturer	:	Terasys
Data Cable	:	Shielded, Detachabled, 1.8m
FCC ID	:	By DoC
BSMI ID	:	4912A022

2.2.6. HEADPHONE

EMC CODE	:	ACS-EMC-EP03
M/N	:	OV880V
Manufacturer	:	OVANN
Data Cable	:	Shielded, Undetachabled, 4.0m

2.2.7. Cables

Audio Cable	:	Unshielded, Detachabled, 1.8m
VGA Cable	:	Shielded, Detachabled, 1.8m (With two cores)

2.3.Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park,Nantou, Shenzhen, Guangdong, China
3m Anechoic Chamber	:	Jun. 13, 2006 File on Federal Communication Commission Registration Number: 90454
3m & 10m Anechoic Chamber	:	Jan. 31, 2007 File on Federal Communication Commission Registration Number: 794232
EMC Lab.	:	Accredited by DATech, German Registration Number: DAT-P-091/99-01 Feb. 02, 2009 Accredited by NVLAP, USA NVLAP Code: 200372-0 Apr. 01, 2008

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

Test Item	Uncertainty	Memo
Uncertainty for Conduction emission test in No. 1 Conduction	2.88dB	
Uncertainty for Radiation Emission test in 3m chamber	3.86 dB	Polarize: V
	4.3 dB	Polarize: H
Uncertainty for Radiation Emission test in 10m chamber	3.82 dB	Distance: 3m Polarize: V
	3.80 dB	Distance: 3m Polarize: H
Uncertainty for test site temperature and humidity	0.1℃	
	1%	

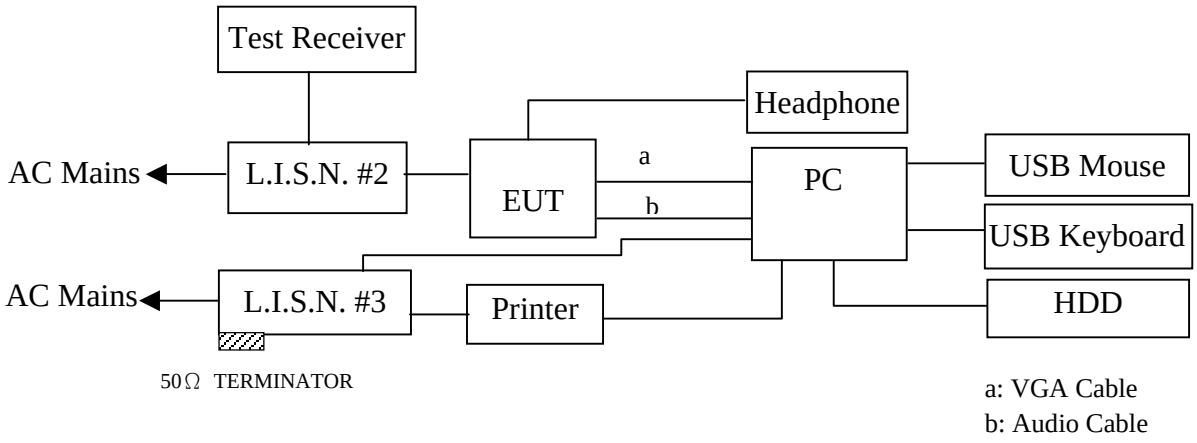
3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCI	100842	Oct.24, 08	1 Year
2.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May 10,08	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May 10,08	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May 10,08	1 Year
5.	RF Cable	Fujikura	3D-2W	LISN Cable 1#	Nov.10, 08	1/2 Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	Nov.01, 08	1/2 Year
7.	Passive Probe	Rohde & Schwarz	ESH2-Z3	299.7810.52	May 10, 08	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 : L40FHD41
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 640*480 60Hz / Running “H” Pattern and Playing Music 800*600 60Hz / Running “H” Pattern and Playing Music 1024*768 60Hz) 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 ESCI) 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 was tested and selected (mode 3) to read Q.P values and Average values, all the test results are listed in next pages.

EUT: LCD TV Model No. : L40FHD41

Test Date: Nov.26, 2008 Temperature: 23℃ 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	640*480 60Hz	#5	#6
2.		800*600 60Hz	#3	#4
3.		**1024*768 60Hz**	**#2**	**#1**

(※ Worst test mode)

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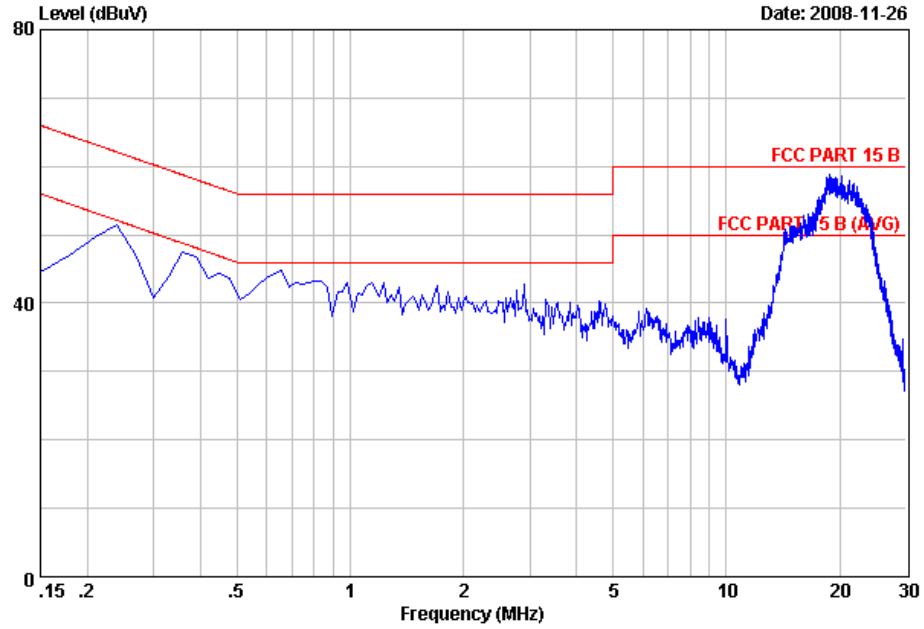

Site no :Audix No.1 Conduction Data no :5
Dis./Ant. :-- KNW407 1# VA LISN phase:
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% ESCI Engineer :Mario
EUT :LCD TV M/N:L40FHD41
Power Rating :AC 120V/60Hz
Test Mode :Running"H"Pattern And Playing Music
Memo :640*480@60Hz

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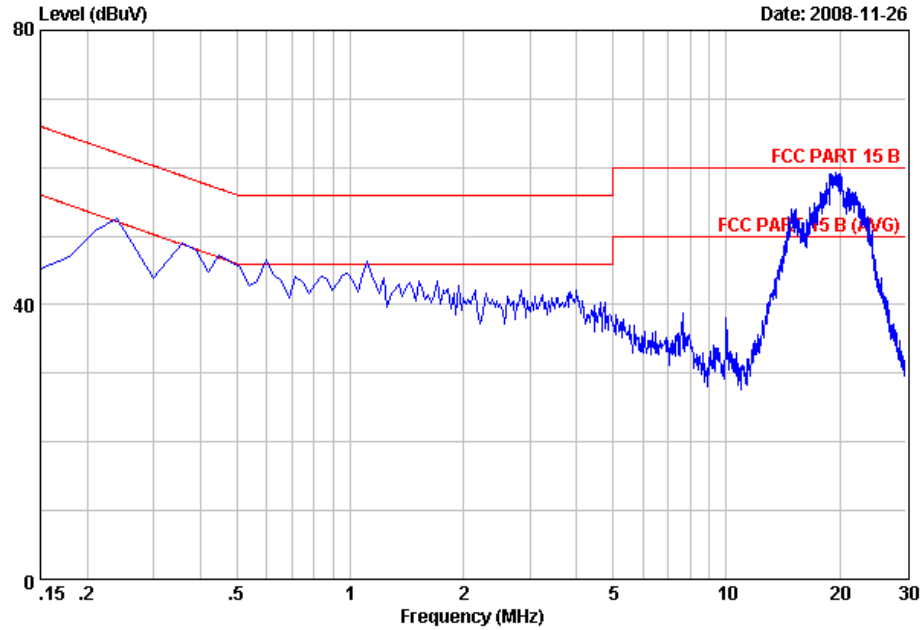

Site no :Audix No.1 Conduction Data no :6
Dis./Ant. :-- KNW407 1# VB LISN phase:
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% ESCI Engineer :Mario
EUT :LCD TV M/N:L40FHD41
Power Rating :AC 120V/60Hz
Test Mode :Running"H"Pattern And Playing Music
Memo :640*480@60Hz

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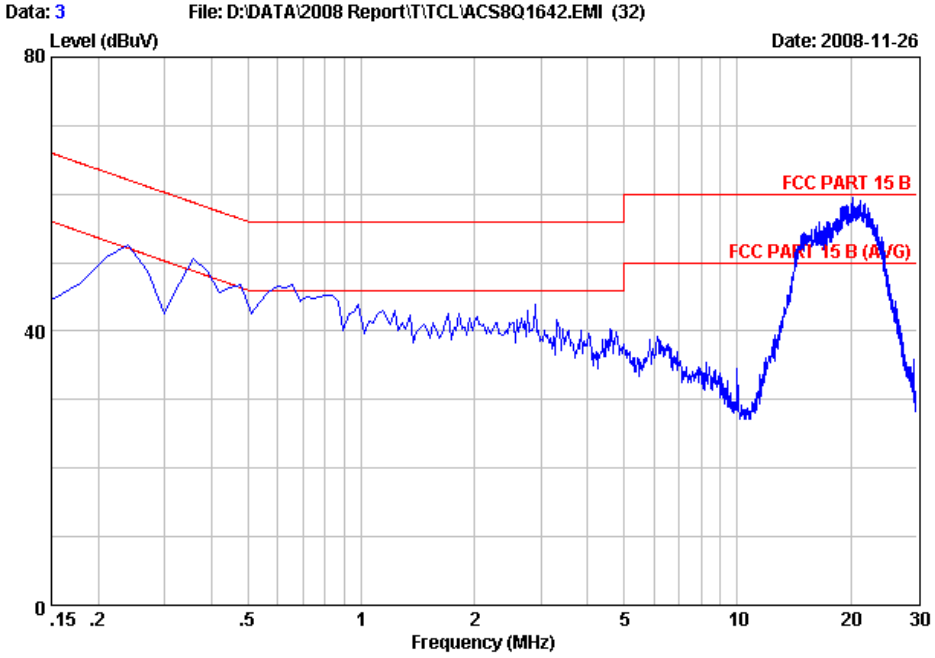
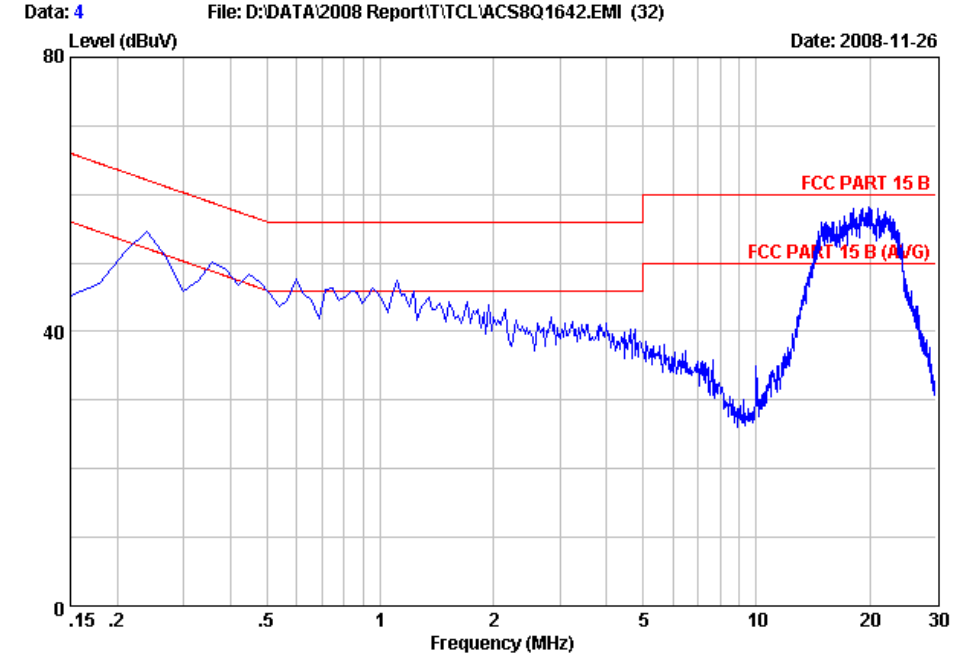


Site no :Audix No.1 Conduction Data no :3
Dis./Ant. :-- KNW407 1# VA LISN phase:
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% ESCI Engineer :Mario
EUT :LCD TV M/N:L40FHD41
Power Rating :AC 120V/60Hz
Test Mode :Running"H"Pattern And Playing Music
Memo :800*600@60Hz



Site no :Audix No.1 Conduction Data no :4
Dis./Ant. :-- KNW407 1# VB LISN phase:
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% ESCI Engineer :Mario
EUT :LCD TV M/N:L40FHD41
Power Rating :AC 120V/60Hz
Test Mode :Running"H"Pattern And Playing Music
Memo :800*600@60Hz

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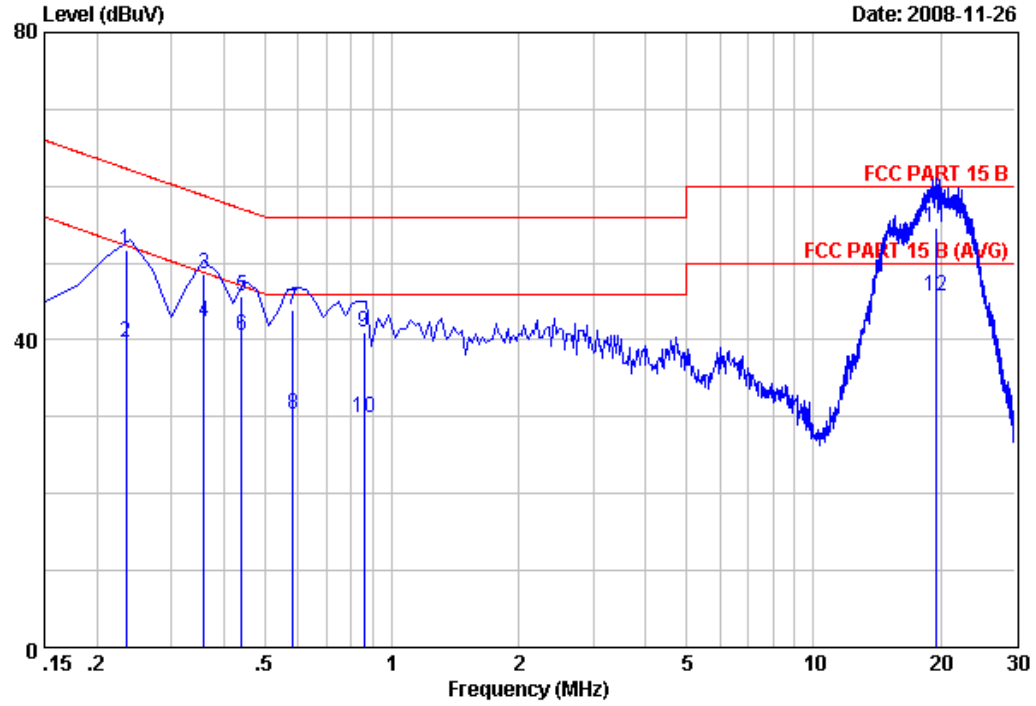

Site no :Audix No.1 Conduction Data no :2
Dis./Ant. :-- KNW407 1# VA LISN phase:
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% ESCI Engineer :Mario
EUT :LCD TV M/N:L40FHD41
Power Rating :AC 120V/60Hz
Test Mode :Running"H"Pattern And Playing Music
Memo :1024*768@60Hz

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.23	0.28	9.90	41.60	51.78	62.31	10.53	QP
2	0.23	0.28	9.90	29.40	39.58	52.31	12.73	Average
3	0.36	0.24	9.88	38.40	48.52	58.77	10.25	QP
4	0.36	0.24	9.88	32.20	42.32	48.77	6.45	Average
5	0.44	0.21	9.87	35.71	45.79	57.06	11.27	QP
6	0.44	0.21	9.87	30.51	40.59	47.06	6.47	Average
7	0.58	0.20	9.87	33.80	43.87	56.00	12.13	QP
8	0.58	0.20	9.87	20.20	30.27	46.00	15.73	Average
9	0.86	0.14	9.88	31.03	41.05	56.00	14.95	QP
10	0.86	0.14	9.88	19.81	29.83	46.00	16.17	Average
11	19.60	0.41	10.08	44.20	54.69	60.00	5.31	QP
12	19.60	0.41	10.08	35.20	45.69	50.00	4.31	Average

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

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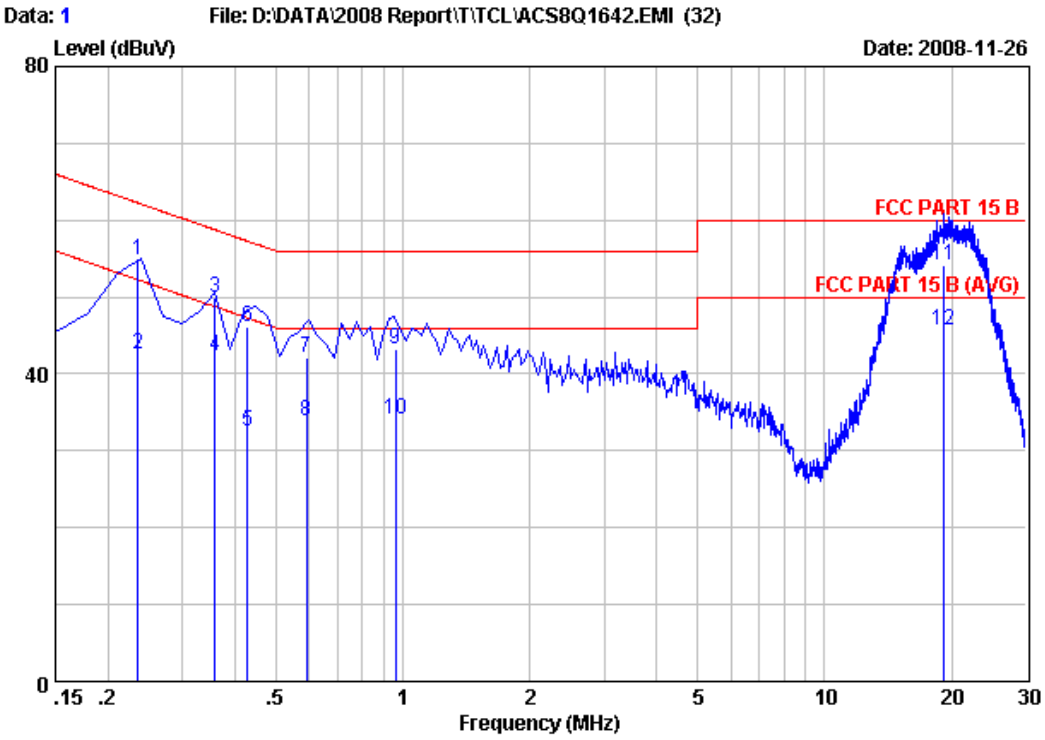


Site no :Audix No.1 Conduction Data no :1
Dis./Ant. :-- KNW407 1# VB LISN phase:
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% ESCI Engineer :Mario
EUT :LCD TV M/N:L40FHD41
Power Rating :AC 120V/60Hz
Test Mode :Running"H"Pattern And Playing Music
Memo :1024*768@60Hz

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.24	0.12	9.90	44.70	54.72	62.27	7.55	QP
2	0.24	0.12	9.90	32.50	42.52	52.27	9.75	Average
3	0.36	0.16	9.88	39.80	49.84	58.77	8.93	QP
4	0.36	0.16	9.88	32.20	42.24	48.77	6.53	Average
5	0.43	0.18	9.87	22.51	32.56	47.27	14.71	Average
6	0.43	0.18	9.87	36.11	46.16	57.27	11.11	QP
7	0.59	0.15	9.87	32.10	42.12	56.00	13.88	QP
8	0.59	0.15	9.87	23.90	33.92	46.00	12.08	Average
9	0.96	0.10	9.89	33.20	43.19	56.00	12.81	QP
10	0.96	0.10	9.89	24.10	34.09	46.00	11.91	Average
11	19.10	0.39	10.07	43.61	54.07	60.00	5.93	QP
12	19.10	0.39	10.07	35.21	45.67	50.00	4.33	Average

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

4. RADIATED EMISSION TEST

4.1.Test Equipment

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

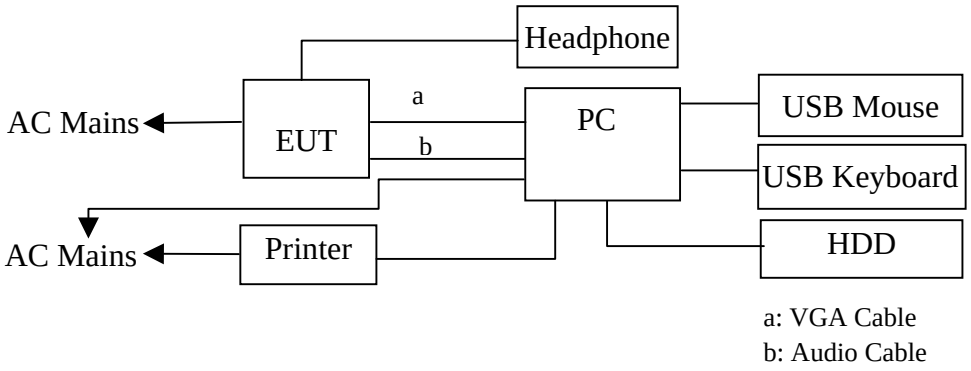
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,08	1/2 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May 10, 08	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May 10, 08	1 Year
4	Amplifier	HP	8447D	2648A04738	Nov.04, 08	1/2 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Nov.10, 08	1 Year
6	RF Cable	JINGCHENG	JBY400	3# Chamber No.1	Nov.01, 08	1/2 Year
7	RF Cable	JINGCHENG	JBY400	3# Chamber No.2	Nov.01, 08	1/2 Year
8	RF Cable	JINGCHENG	JBY400	3# Chamber No.3	Nov.01, 08	1/2 Year
9	RF Cable	JINGCHENG	JBY400	3# Chamber No.4	Nov.01, 08	1/2 Year
10	Coaxial Switch	Anritsu	MP59B	M73989	Nov.01, 08	1/2 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.10, 08	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	May.27, 08	1.5 Year
3	Amplifier	Agilent	8449B	3008A02495	Nov.24,07	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.28, 08	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	271471/4	May.28, 08	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX102	29086/2	May.28, 08	1 Year

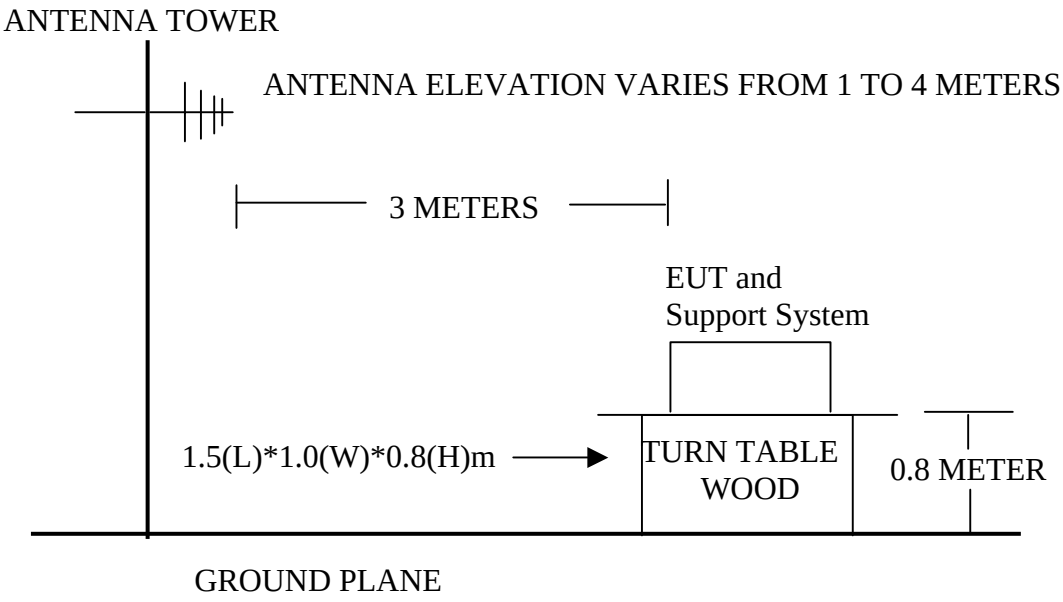
4.2.Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and simulators

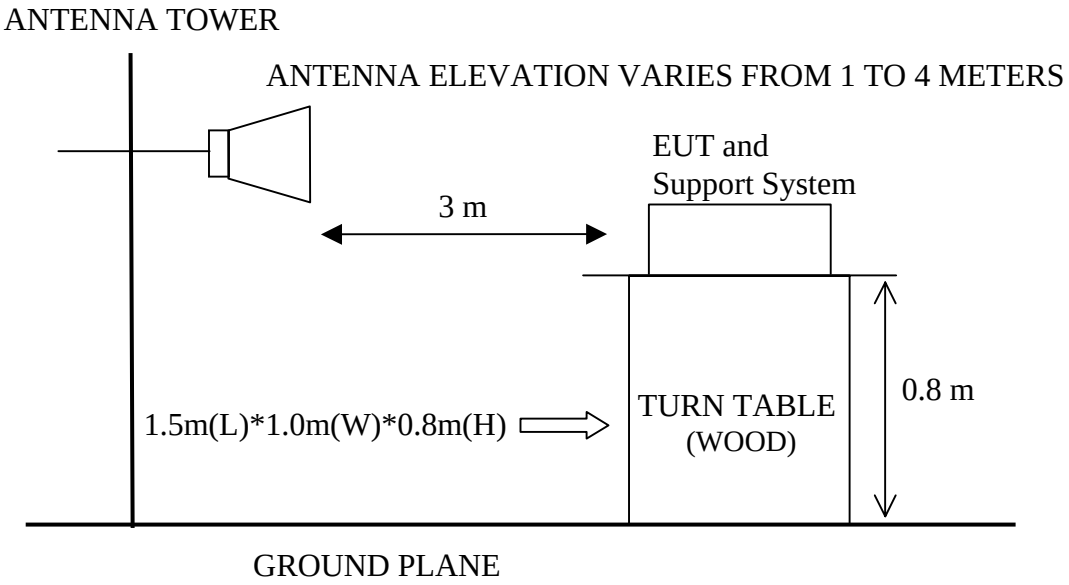


(EUT: LCD TV)

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



4.2.3.In Anechoic (10m) Chamber Test Setup Diagram for 1-2GHz



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 : L40FHD41
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 640*480 60Hz / Running “H” Pattern and Playing Music 800*600 60Hz / Running “H” Pattern and Playing Music 1024*768 60Hz) 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 2GHz was checked with peak and average detector, measurement distance is 3m in 10m 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 was tested and selected (mode 3) to read Q.P values, all the test results are listed in next pages.

EUT: LCD TV Model No. : L40FHD41

Test Date: Nov.19, 2008 Temperature: 24℃ 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	640*480 60Hz	#6	#5
2.		800*600 60Hz	#4	#3
3. ※		**1024*768 60Hz**	**#1**	**#2**

(※ Worst test mode)

For frequency range 1GHz~2GHz

The EUT with below test mode 1~3 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: Nov.19, 2008 Temperature: 23℃ Humidity: 56%

NO.	Test Mode	Resolution & Frequency	Reference Test Data No.	
			Horizontal	Vertical
1.	Running “H” Pattern and Playing Music	640*480 60Hz	#12	#11
2.		800*600 60Hz	#9	#10
3.		1024*768 60Hz	#8	#7

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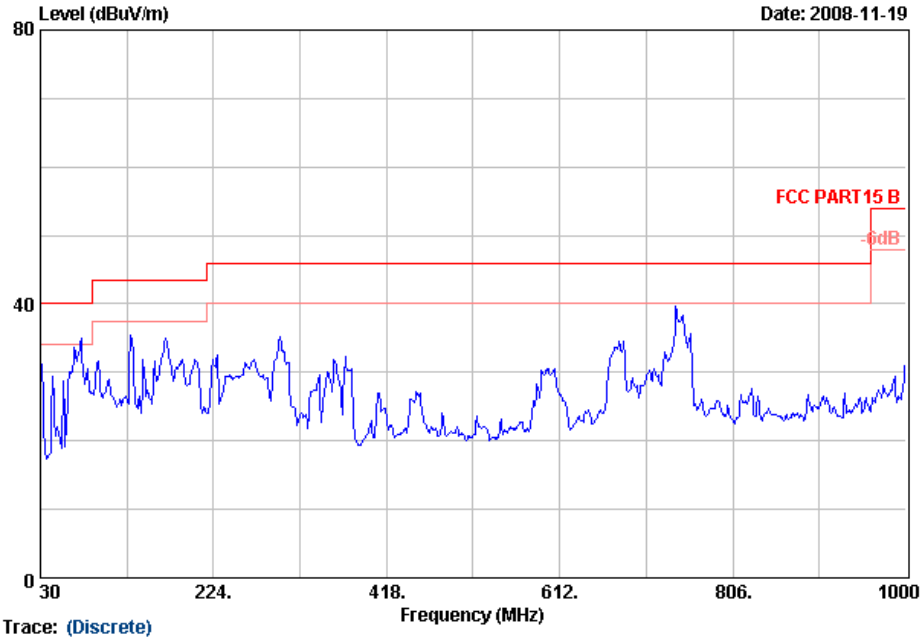
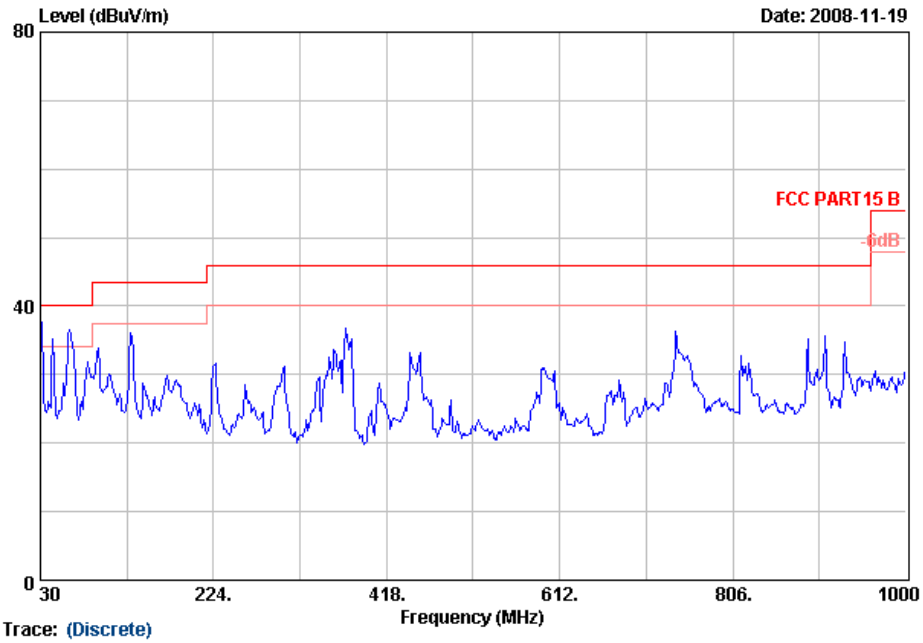
Data: 6 File: D:\2008 Report Data\T\TCL\ACS8Q1642.EMI (32)



Trace: (Discrete)

```
Site no.      : AUDIX 3m chamber            Data no.   : 6
Dis. / Ant.   : 3m   CBL6112D               Ant. pol.  : HORIZONTAL
Limit         : FCC PART15 B
Env. / Ins.   : 24*C/56%   ESVS20           Engineer   : Victory
EUT           : LCD TV           M/N:L40FHD41
Power Rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And Playing Music
                640*480@60Hz
```

Data: 5 File: D:\2008 Report Data\T\TCL\ACS8Q1642.EMI (32)



Trace: (Discrete)

```
Site no.      : AUDIX 3m chamber            Data no.   : 5
Dis. / Ant.   : 3m   CBL6112D               Ant. pol.  : VERTICAL
Limit         : FCC PART15 B
Env. / Ins.   : 24*C/56%   ESVS20           Engineer   : Victory
EUT           : LCD TV           M/N:L40FHD41
Power Rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And Playing Music
                640*480@60Hz
```

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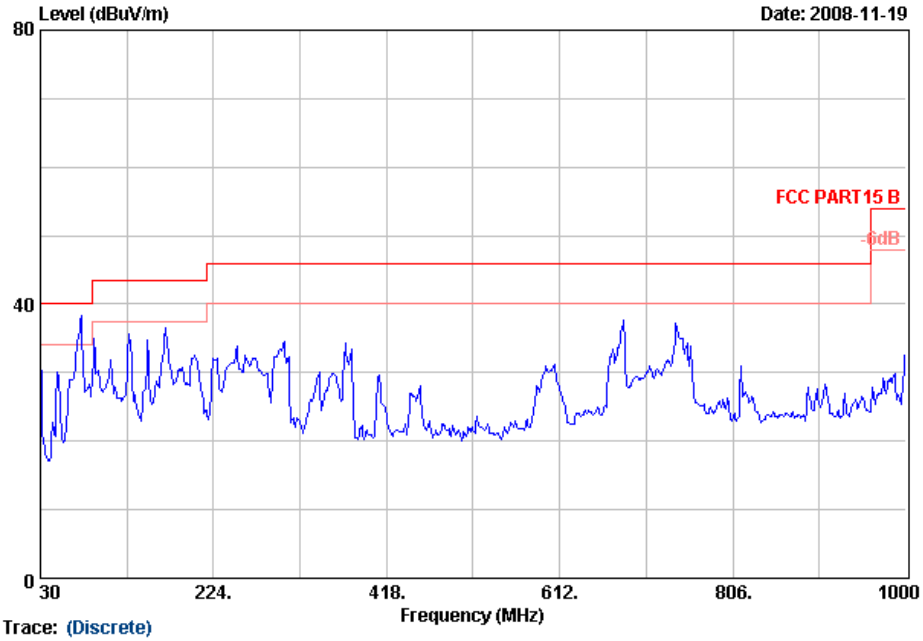
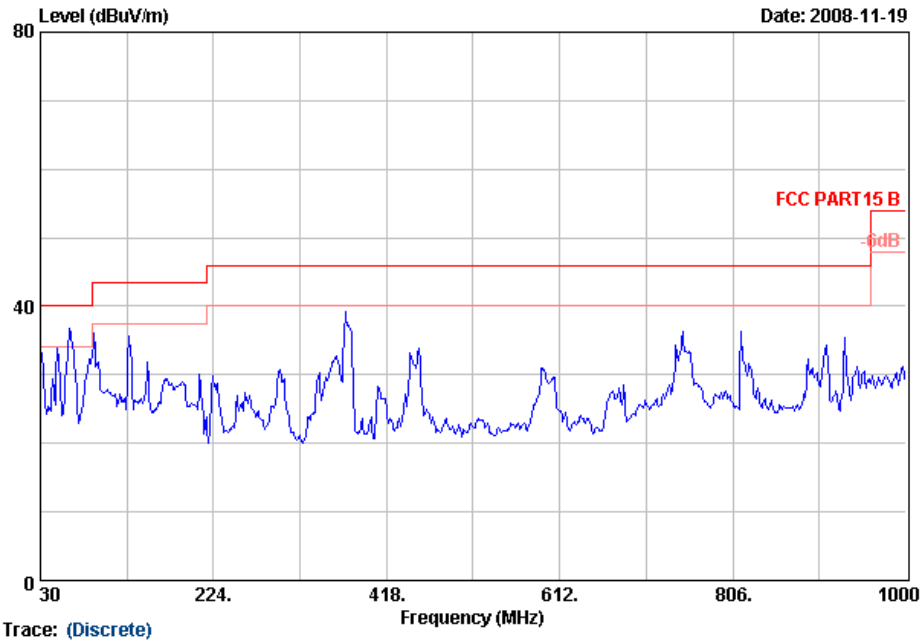
Data: 4 File: D:\2008 Report Data\T\TCL\ACS8Q1642.EMI (32)



Trace: (Discrete)

```
Site no.      : AUDIX 3m chamber            Data no.   : 4
Dis. / Ant.   : 3m   CBL6112D               Ant. pol.  : HORIZONTAL
Limit         : FCC PART15 B
Env. / Ins.   : 24*C/56%   ESVS20           Engineer   : Victory
EUT           : LCD TV           M/N:L40FHD41
Power Rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And Playing Music
                800*600@60Hz
```

Data: 3 File: D:\2008 Report Data\T\TCL\ACS8Q1642.EMI (32)



Trace: (Discrete)

```
Site no.      : AUDIX 3m chamber            Data no.   : 3
Dis. / Ant.   : 3m   CBL6112D               Ant. pol.  : VERTICAL
Limit         : FCC PART15 B
Env. / Ins.   : 24*C/56%   ESVS20           Engineer   : Victory
EUT           : LCD TV           M/N:L40FHD41
Power Rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And Playing Music
                800*600@60Hz
```

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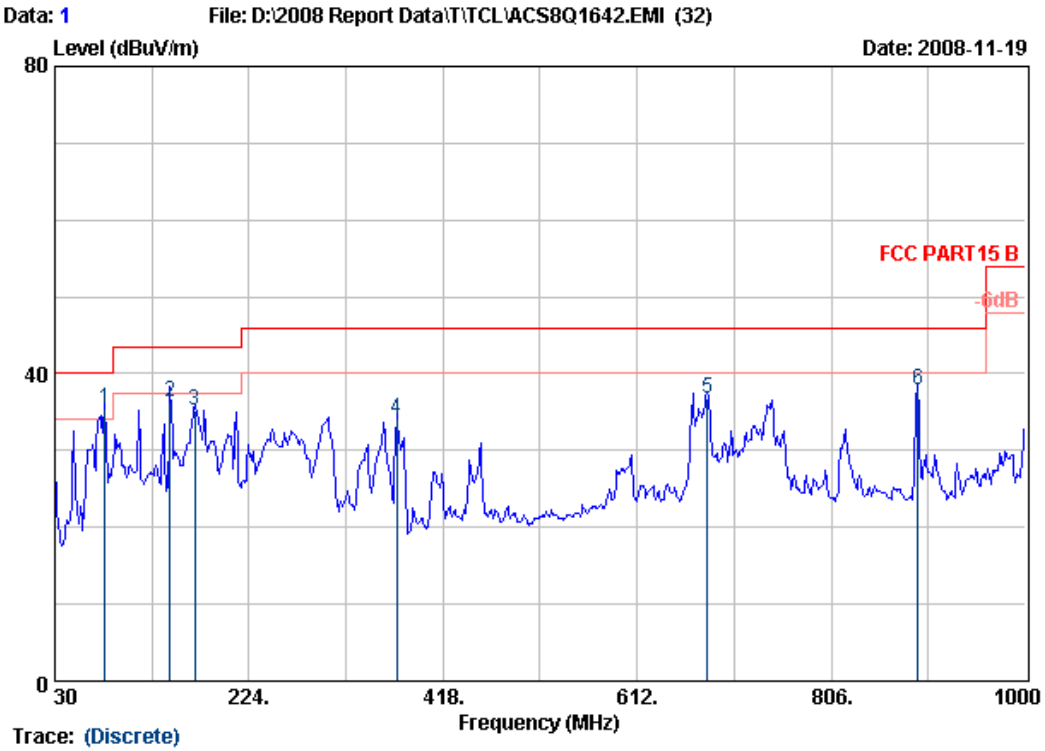

Site no. : AUDIX 3m chamber Data no. : 1
Dis. / Ant. : 3m CBL6112D Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS20 Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And Playing Music
1024*768@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	80.44	7.19	0.96	55.05	35.39	40.00	4.61	QP
2	145.43	9.85	1.20	52.91	36.27	43.50	7.23	QP
3	169.68	10.21	1.25	51.21	35.12	43.50	8.38	QP
4	371.44	14.55	1.83	45.36	34.07	46.00	11.93	QP
5	681.84	18.79	2.43	44.19	36.77	46.00	9.23	QP
6	892.33	20.11	2.47	43.71	37.81	46.00	8.19	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 at80.44MHz with corrected signal level of 35.39dBμV/m (Limit is 40.00dBμV/m) when the antenna was at horizontal polarization and at 1.0m high and the turn table was at 45°.

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

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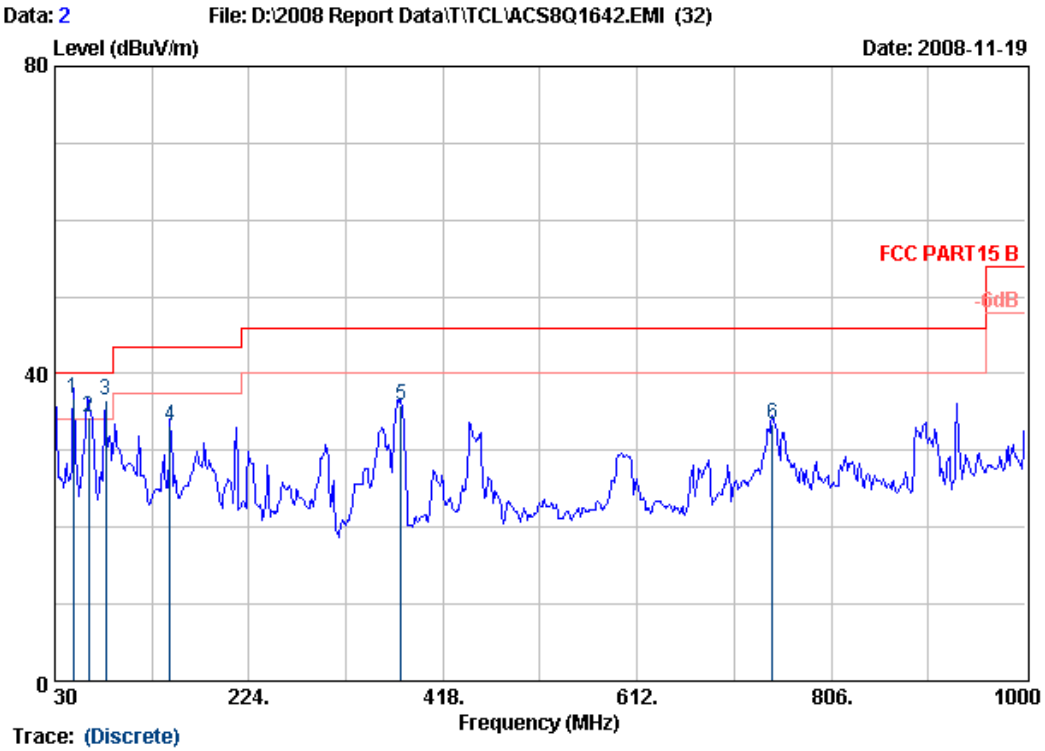

Site no. : AUDIX 3m chamber Data no. : 2
Dis. / Ant. : 3m CBL6112D Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 24*C/56% ESVS20 Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And Playing Music
1024*768@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	48.75	9.19	0.85	26.80	36.84	40.00	3.16	QP
2	63.45	6.49	0.92	26.80	34.21	40.00	5.79	QP
3	81.24	7.40	0.96	28.20	36.56	40.00	3.44	QP
4	145.43	9.85	1.20	49.81	33.17	43.50	10.33	QP
5	376.29	14.39	1.78	47.30	35.78	46.00	10.22	QP
6	746.83	19.39	2.73	40.04	33.48	46.00	12.52	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.
3. The worst emission was detected at 48.75MHz with corrected signal level of 36.84dBμV/m (Limit is 40.00dBμV/m) when the antenna was at vertical polarization and at 1.0m high and the turn table was at 210°.
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

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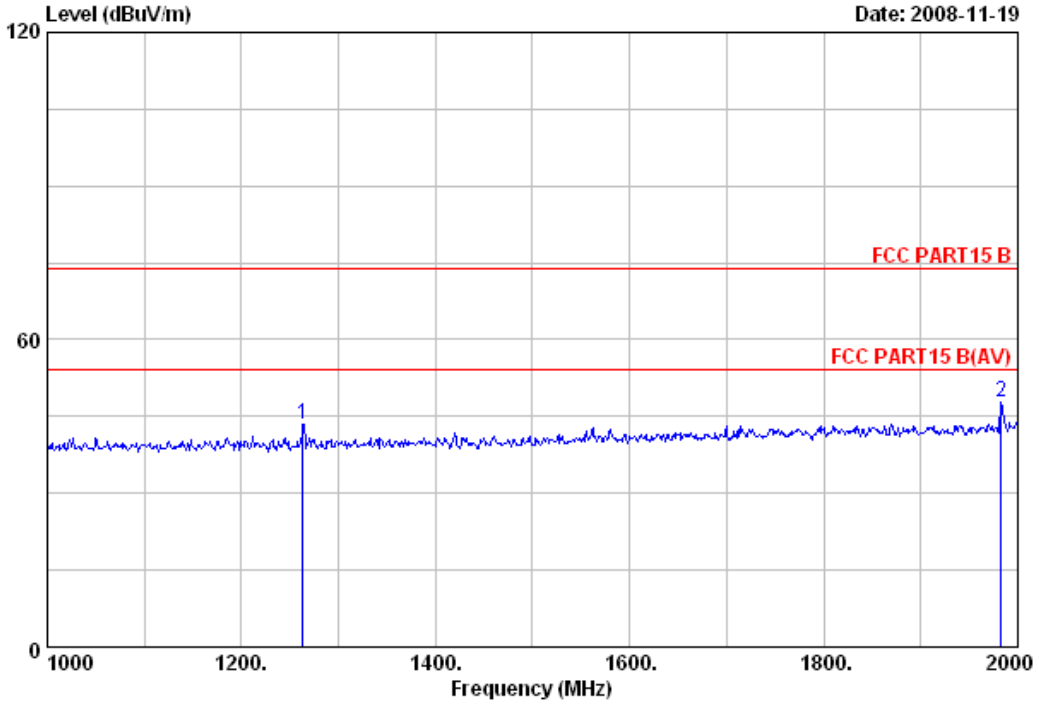
Data: 12 File: E:\2008 report data\T\TCL\ACS8Q1642.EM6 (12)



Site no. : 10# Chamber Data no. : 12
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 23*C/56% Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test mode : 640*480@60Hz
Running"H"Pattern And Playing Music

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1263.000	25.56	4.88	36.02	49.04	43.46	74.00	30.54	Peak
2	1983.000	27.83	6.16	35.20	48.91	47.70	74.00	26.30	Peak

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

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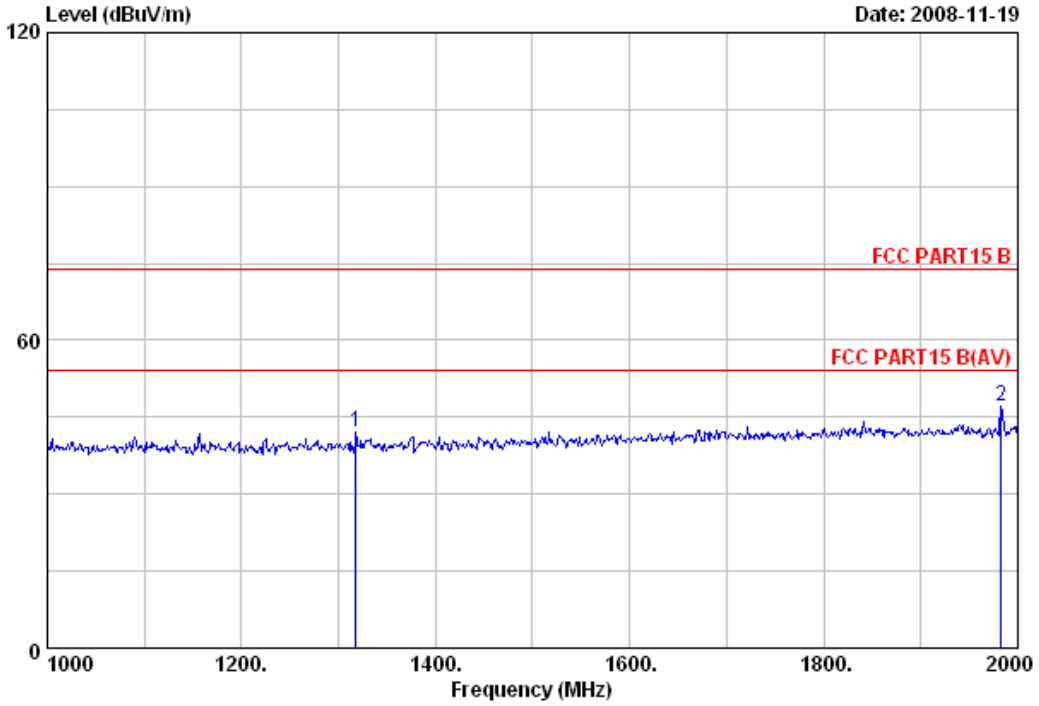
Postcode:518057

Data: 11 File: E:\2008 report data\T\TCL\ACS8Q1642.EM6 (12)



Site no. : 10# Chamber Data no. : 11
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 23*C/56% Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test mode : 640*480@60Hz
Running"H"Pattern And Playing Music

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1318.000	25.66	4.98	35.96	47.51	42.19	74.00	31.81	Peak
2	1983.000	27.83	6.16	35.20	48.37	47.16	74.00	26.84	Peak

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

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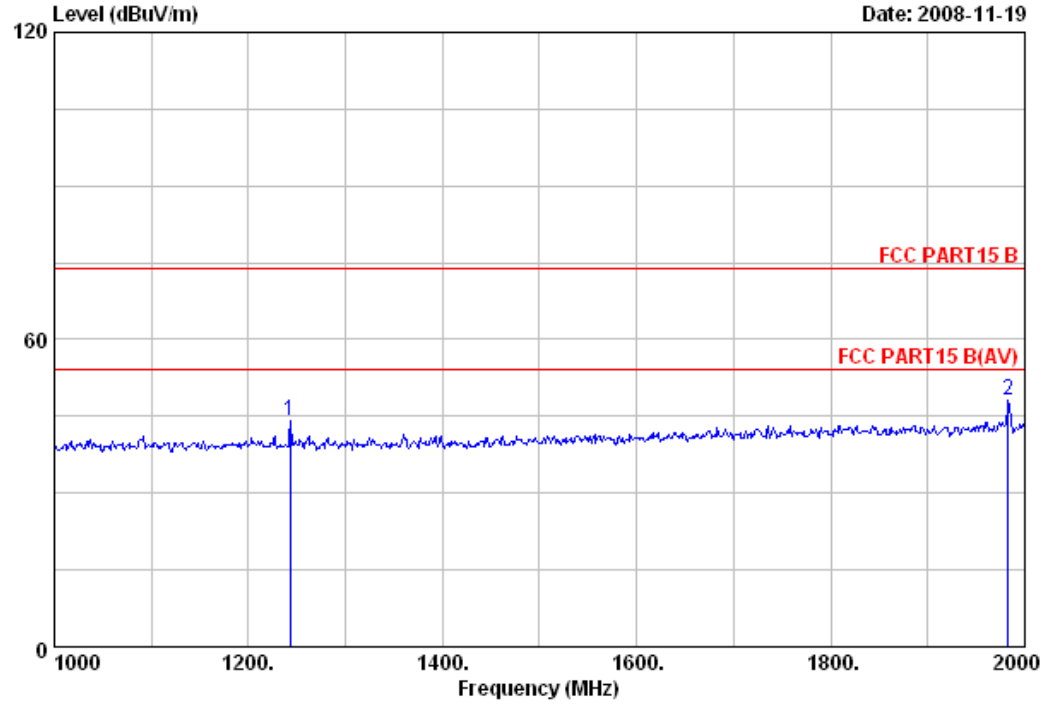
Postcode:518057

Data: 9 File: E:\2008 report data\T\TCL\ACS8Q1642.EM6 (12)



Site no. : 10# Chamber Data no. : 9
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 23*C/56% Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test mode : 800*600@60Hz
Running"H"Pattern And Playing Music

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1243.000	25.54	4.85	36.02	49.79	44.16	74.00	29.84	Peak
2	1983.000	27.83	6.16	35.20	49.18	47.97	74.00	26.03	Peak

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

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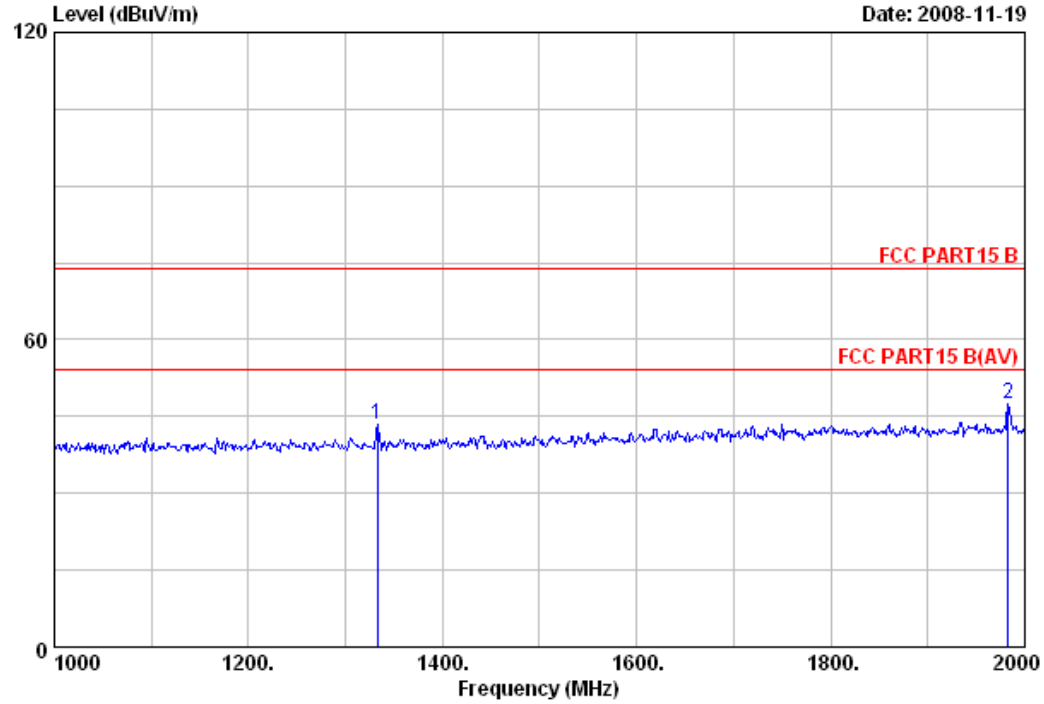
Postcode:518057

Data: 10 File: E:\2008 report data\T\TCL\ACS8Q1642.EM6 (12)



Site no. : 10# Chamber Data no. : 10
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 23*C/56% Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test mode : 800*600@60Hz
Running"H"Pattern And Playing Music

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1333.000	25.68	5.00	35.93	48.86	43.61	74.00	30.39	Peak
2	1983.000	27.83	6.16	35.20	48.70	47.49	74.00	26.51	Peak

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

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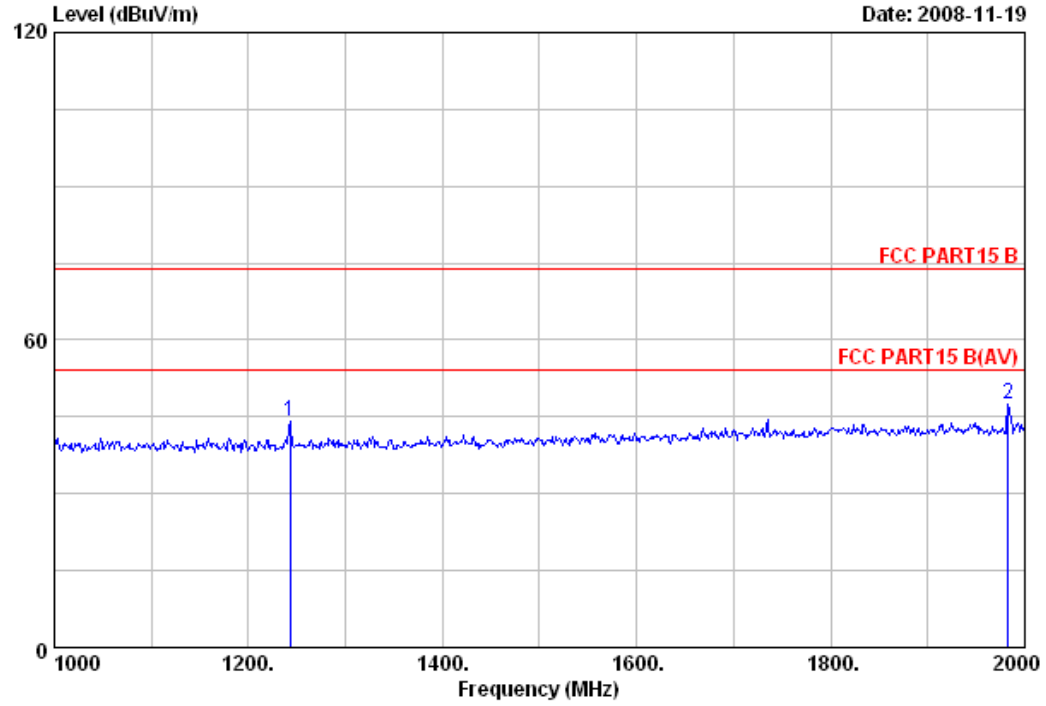
Postcode:518057

Data: 8 File: E:\2008 report data\T\TCL\ACS8Q1642.EM6 (12)



Site no. : 10# Chamber Data no. : 8
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART15 B
Env. / Ins. : 23*C/56% Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test mode : 1024*768@60Hz
Running"H"Pattern And Playing Music

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1243.000	25.54	4.85	36.02	49.71	44.08	74.00	29.92	Peak
2	1983.000	27.83	6.16	35.20	48.75	47.54	74.00	26.46	Peak

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

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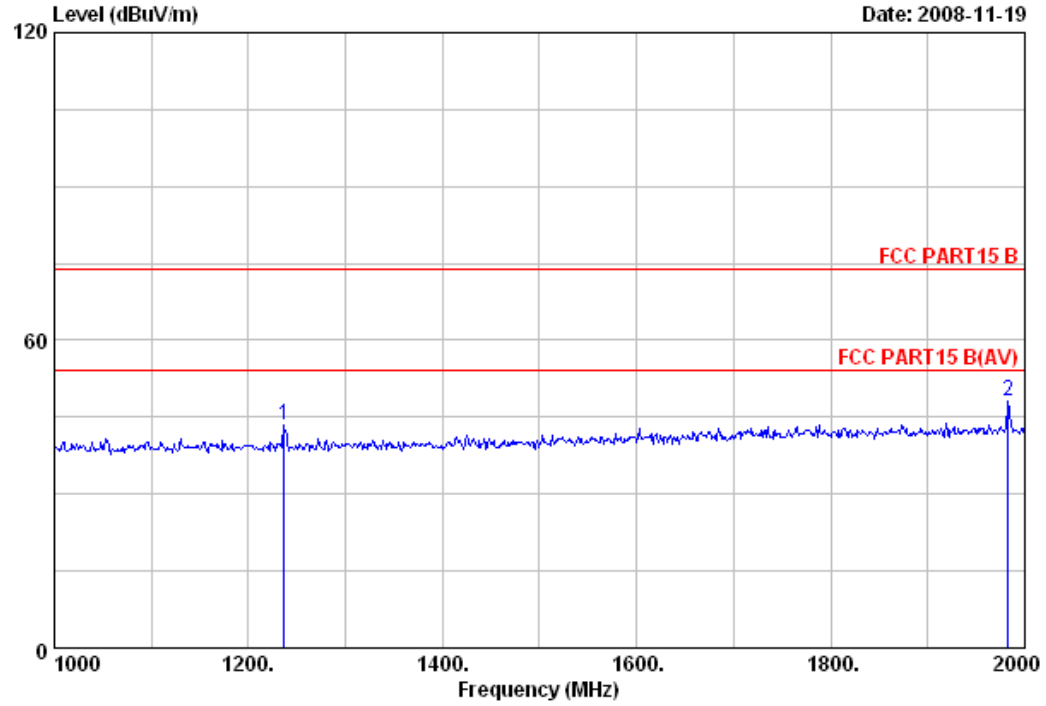
Postcode:518057

Data: 7 File: E:\2008 report data\T\TCL\ACS8Q1642.EM6 (12)



Site no. : 10# Chamber Data no. : 7
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART15 B
Env. / Ins. : 23*C/56% Engineer : Victory
EUT : LCD TV M/N:L40FHD41
Power Rating : AC 120V/60Hz
Test mode : 1024*768@60Hz
Running"H"Pattern And Playing Music

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1237.000	25.54	4.85	36.05	49.15	43.49	74.00	30.51	Peak
2	1983.000	27.83	6.16	35.20	49.18	47.97	74.00	26.03	Peak

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

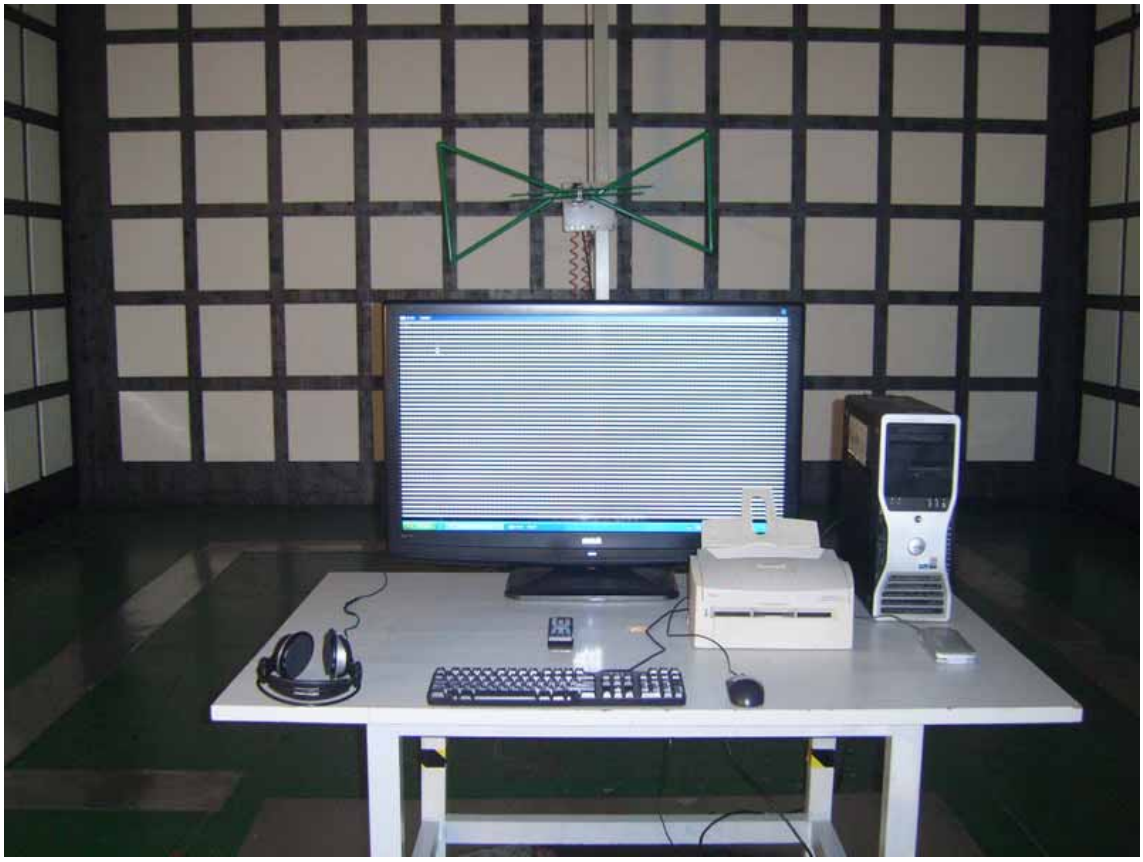
5. DEVIATION TO TEST SPECIFICATIONS

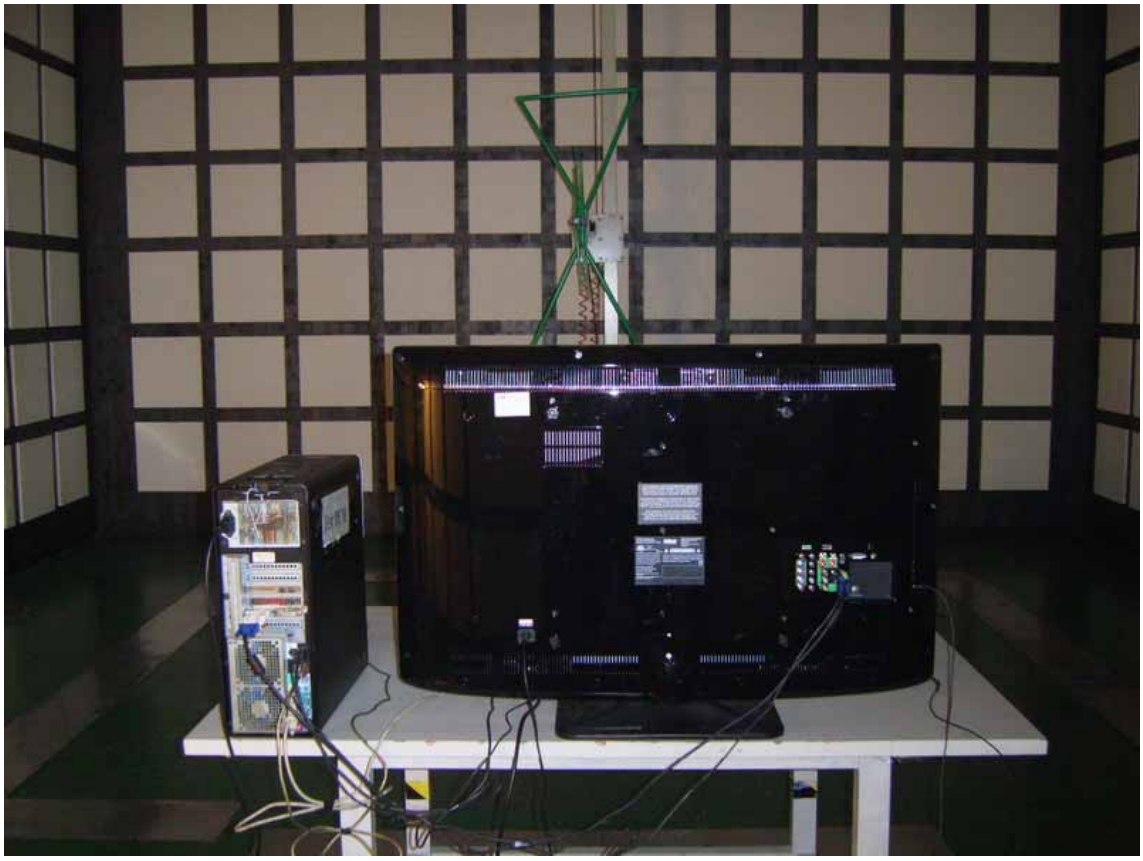
[NONE]

6. PHOTOGRAPH

6.1.Photos of Power Line Conducted Emission Test

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





7. PHOTOS OF THE EUT

Figure 1
General Appearance of the EUT

Figure 2
General Appearance of the EUT

Figure 3
General Appearance of the EUT

Figure 4
General Appearance of the EUT

Figure 5
Inside of the EUT

Figure 6
Inside of the EUT

Figure 7
Component Side of the PCB

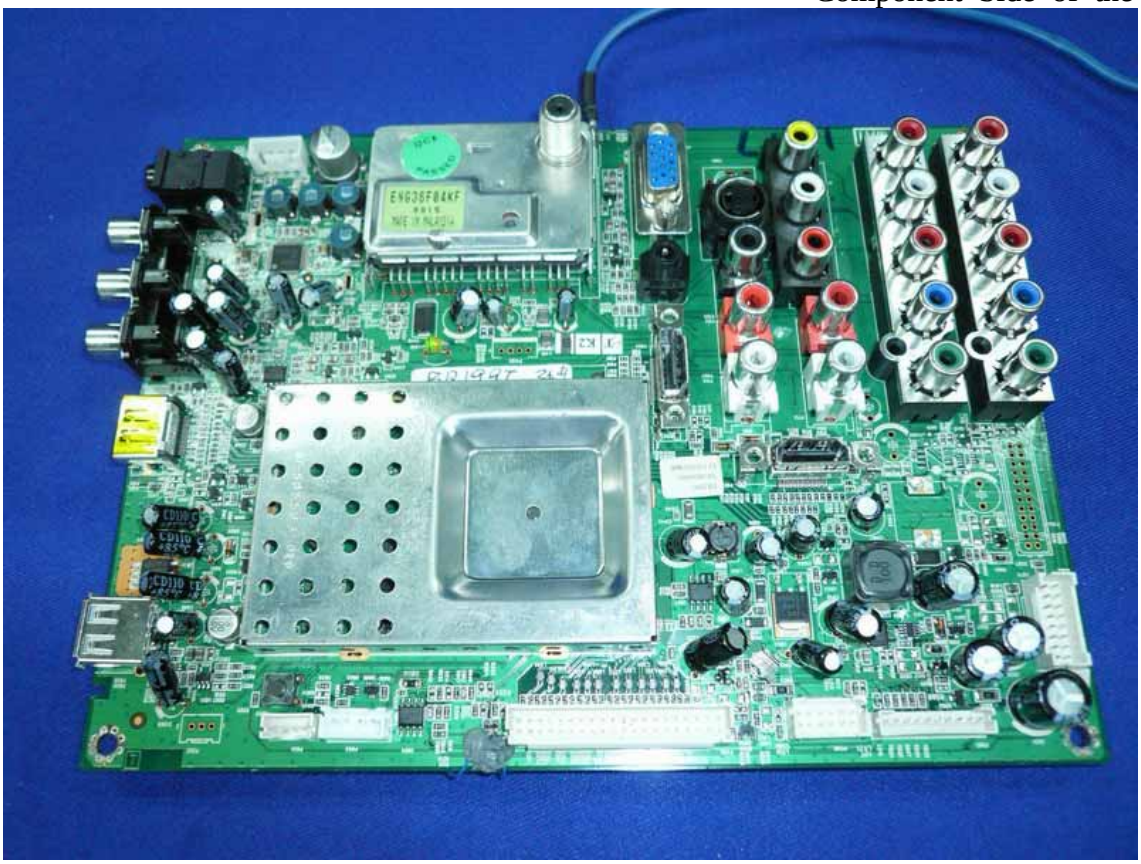


Figure 8
Component Side of the PCB

Figure 9
Component Side of the PCB

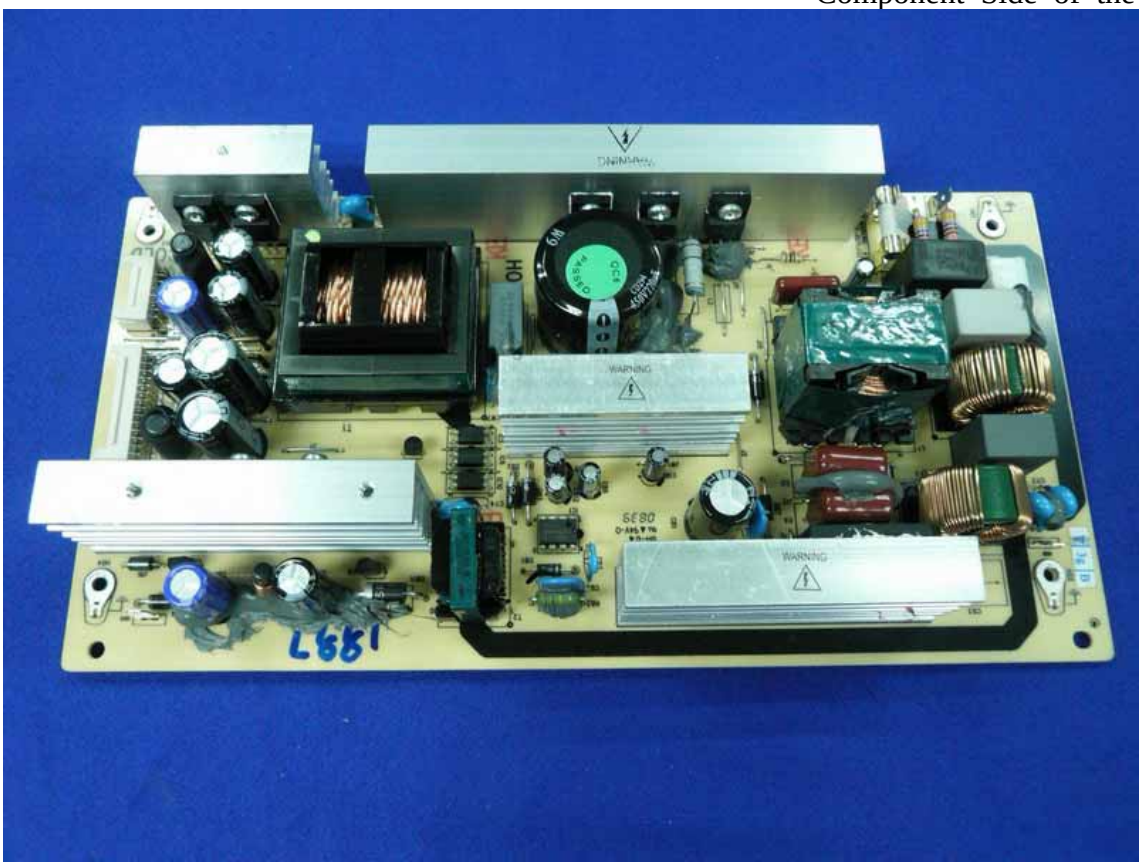


Figure 10
Component Side of the PCB

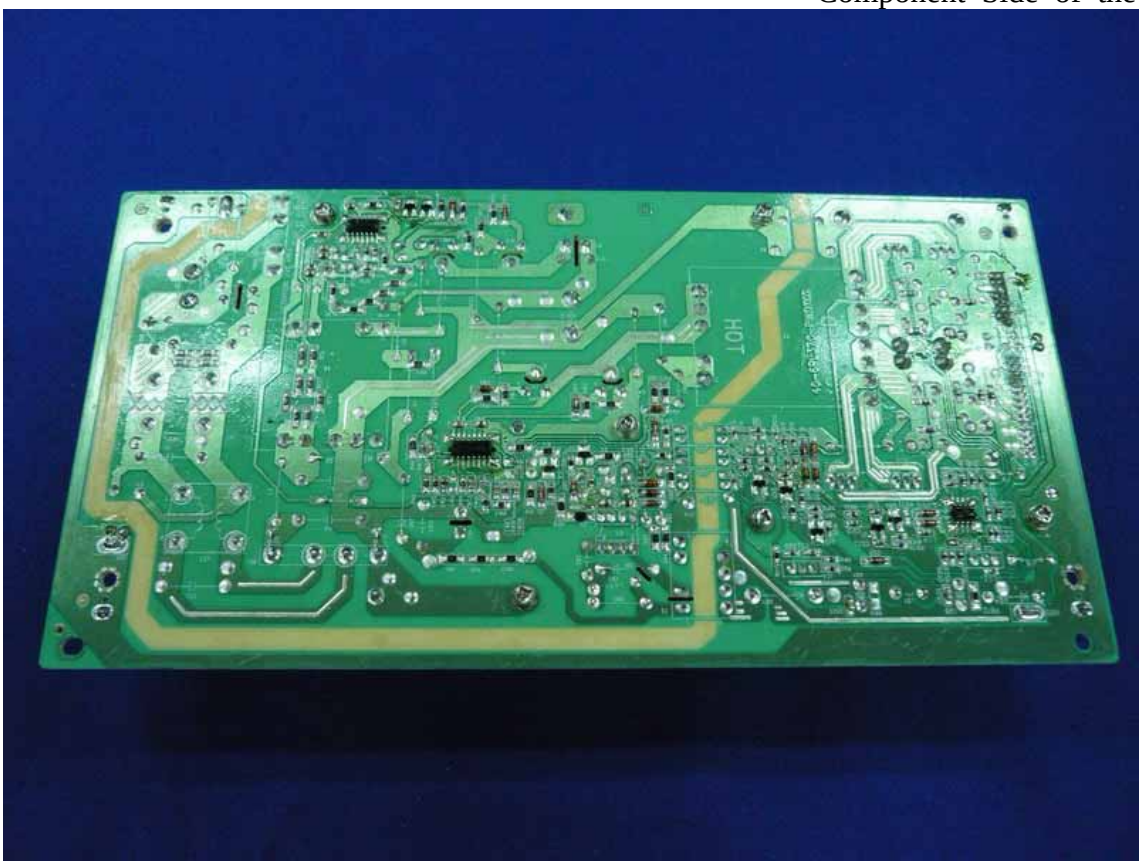


Figure 11
Component Side of the PCB

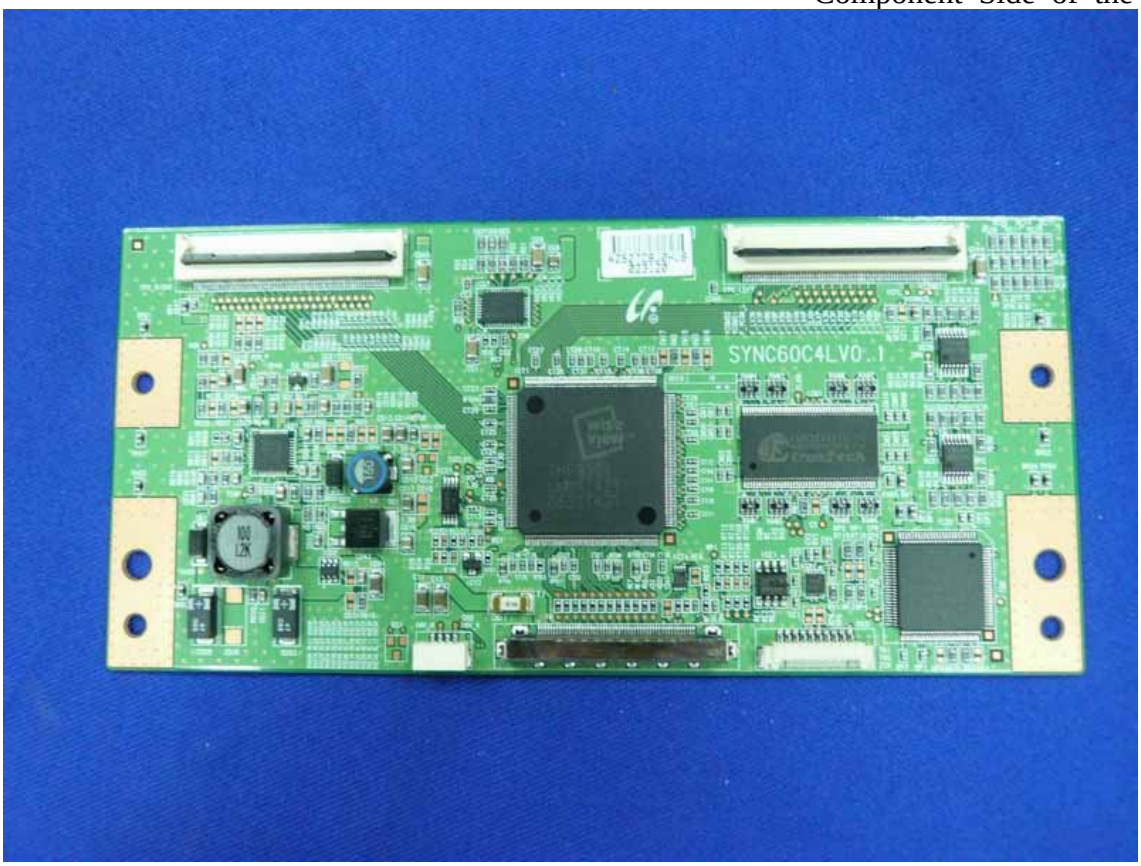


Figure 12
Component Side of the PCB

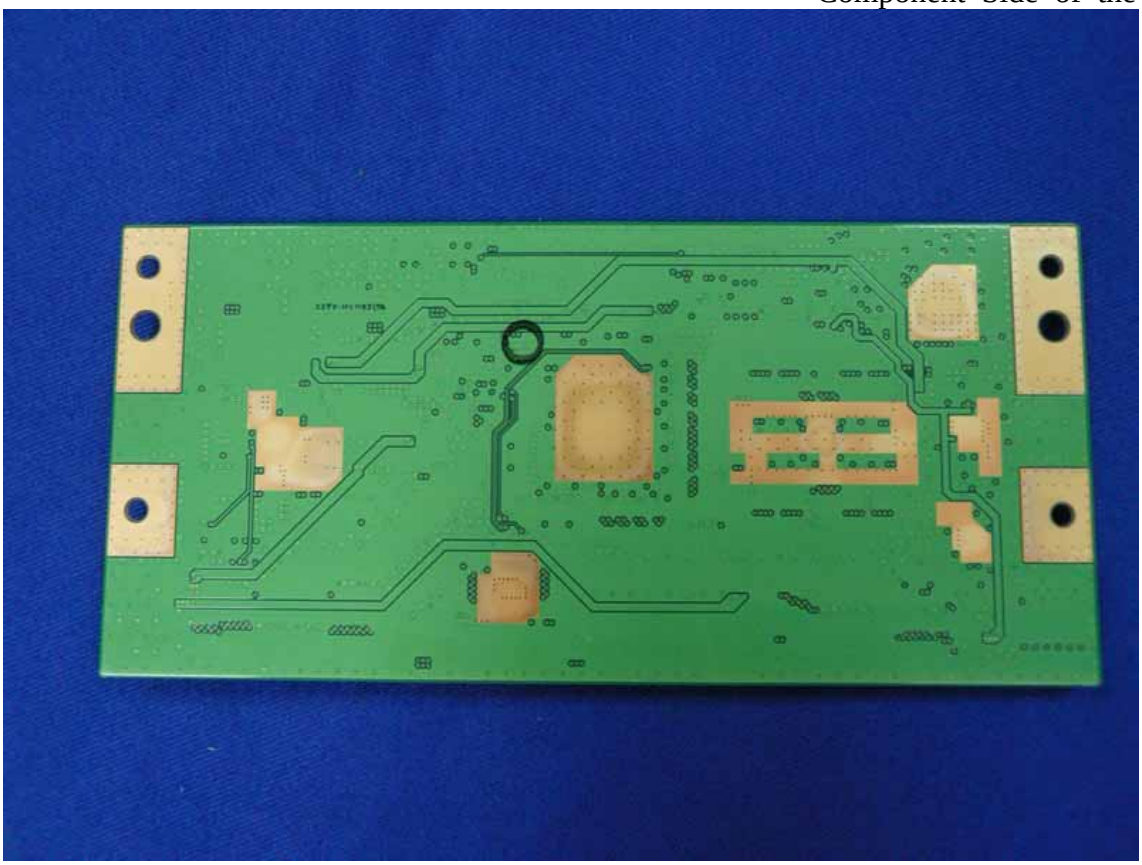


Figure 13
Component Side of the PCB

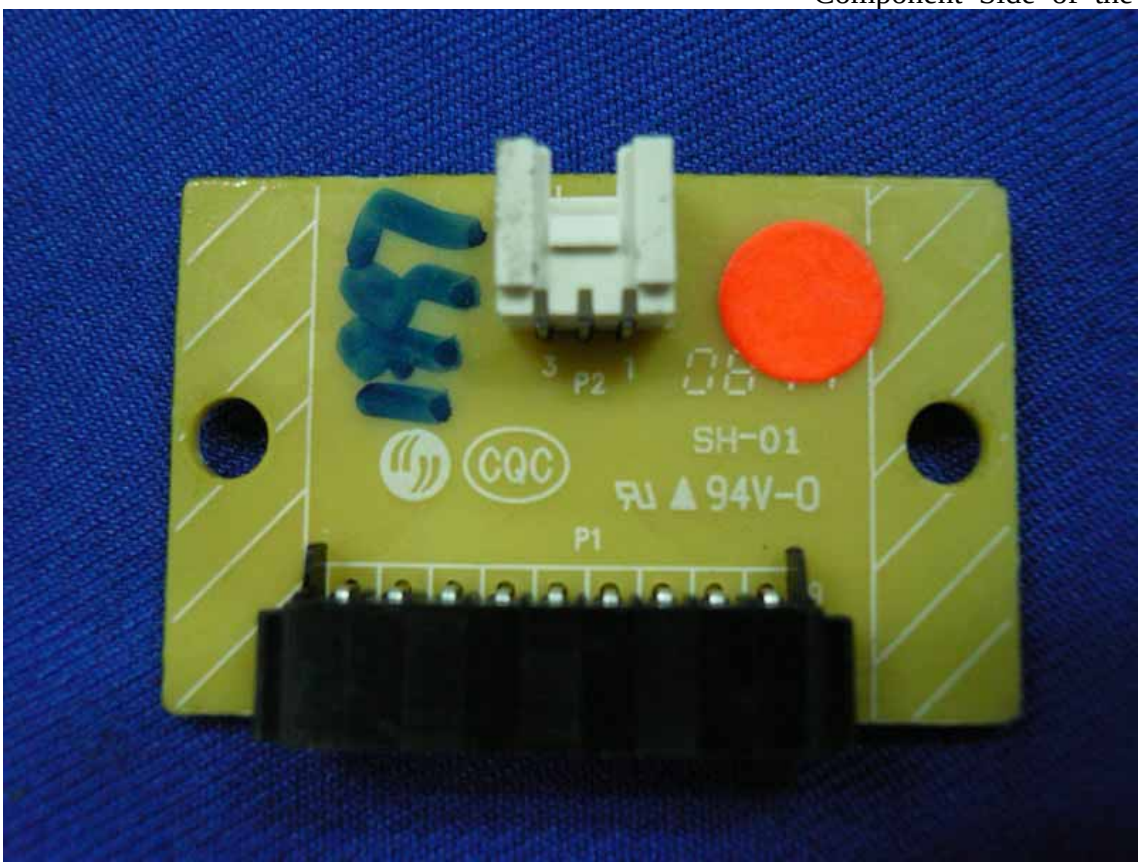


Figure 14
Component Side of the PCB

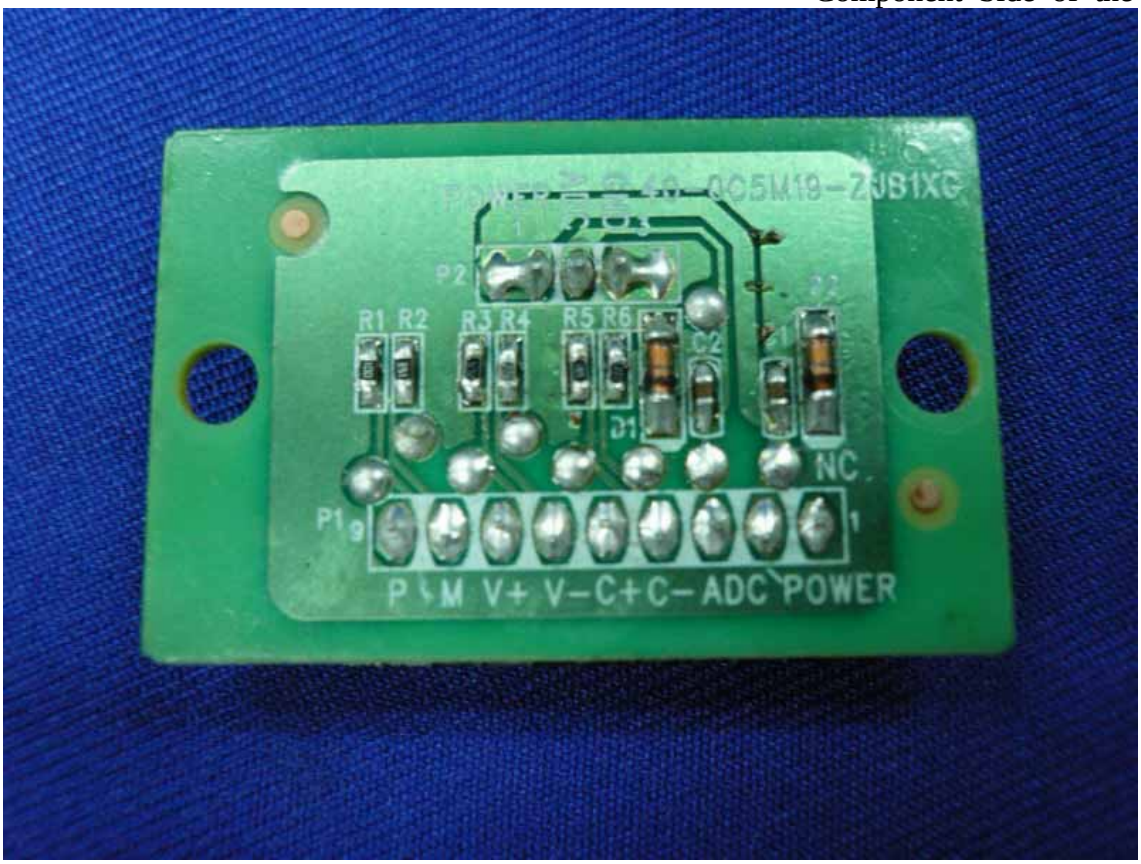


Figure 15
Component Side of the PCB

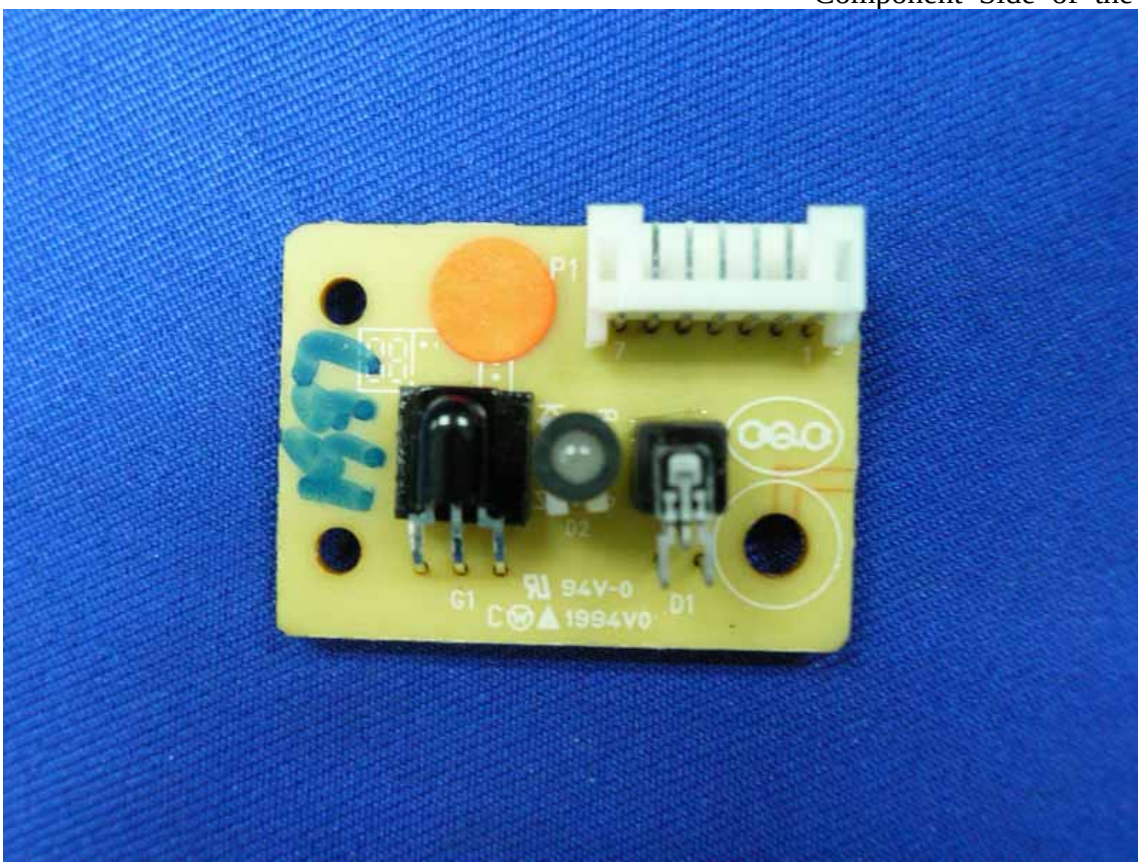


Figure 16
Component Side of the PCB

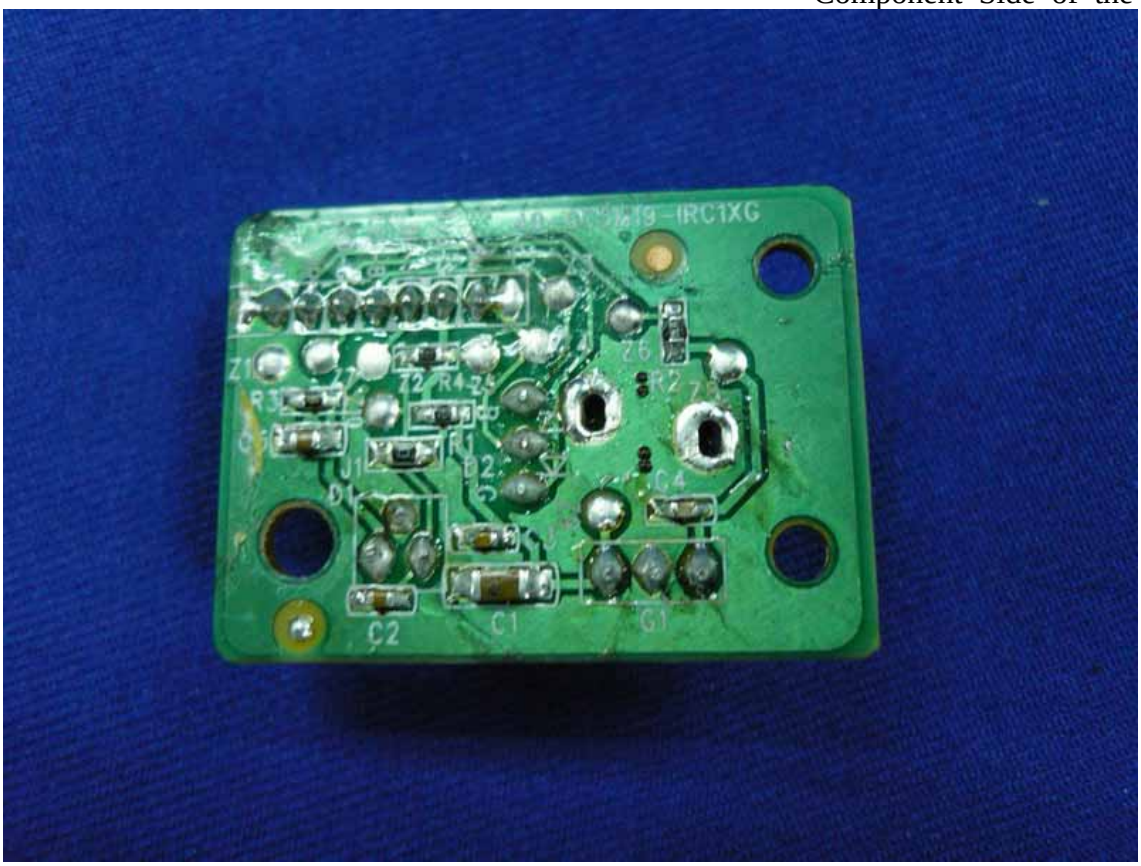


Figure 17
Power Cord

Figure 18
Remote Controller