

FCC ID:W8ULF40FHDE5200

APPLICATION OF CERTIFICATION For

TTE Technology Inc.

LED TV

| Brand Name | Model Number |
|------------|--------------|
| TCL | LE40FHDE5200 |

FCC ID: W8ULE40FHDE5200

Prepared for: TTE Technology Inc.

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

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

No. 6, Ke Feng Rd., 52 Block,

Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China

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

Report Number : ACS-F11197

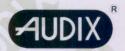
Date of Test : Jul.28~Sep.04, 2011

Date of Report : Sep.07, 2011



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FCC ID: W8ULE40FHDE5200

TEST REPORT CERTIFICATION

Applicant

: TTE Technology Inc.

Manufacturer

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

EUT Description

LED TV

FCC ID

W8ULE40FHDE5200

(A) Model No. &

Brand Name Model Number
TCL LE40FHDE5200

Brand Name

: N/A

(C) Test Voltage

(B) Serial No.

AC 120V/60Hz

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart B Class B 2010, ANSI C63.4: 2009 ICES-003 Issue 4 February 2004.

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both conducted and radiated emissions. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed of full responsibility for the accuracy and completeness of these tests. This report contains data that are not covered by the NVLAP accreditation.

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

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

| Date of Test : _ | Jul.28~ Sep.04, 2011 | Report of date: | Sep.07, 2011 | (A) |
|------------------|----------------------|---------------------|--|-----|
| 6 | Blove Ye | | | |
| Prepared by : | M M | Reviewed by: | In Jant | |
| | Blove Ye / Assistant | EC. (1) (1) (1) (2) | In Zeng / Supervisor logy (Shenzhen) Co., Ltd. 是告享用章 | |
| Approved & Aut | horized Signer : | Stamp only for EM | en Muli | |

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 | Results | Remarks | | |
| Power Line Conducted Emission Test | FCC Part 15: 2010 ANSI C63.4: 2009 | PASS | Meets Class B Limit Minimum passing margin is 17.57dB at 0.19654MHz | | |
| Radiated Emission Test (30-1000MHz) | FCC Part 15: 2010 ANSI C63.4: 2009 | PASS | Meets Class B Limit Minimum passing margin is 0.73dB at 891.000MHz | | |
| Radiated Emission Test (1-2GHz) | FCC Part 15: 2010 ANSI C63.4: 2009 | PASS | Meets Class B Limit Minimum passing margin is 5.25dB at 1775.170MHz | | |



2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Description : LED TV

Model Number : Brand Name | Model Number

TCL LE40FHDE5200

FCC ID : W8ULE40FHDE5200

Applicant : TTE Technology Inc.

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

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

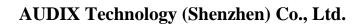
Section 19, Zhongkai Development Zone for New & High-Level Tech Industries, Huizhou, Guangdong Province, China, 516006.

| FREQUENCIES USED AND GENERATED WITHIN DEVICE | | | | | |
|--|-----------------|------------|--|--|--|
| X54M1 | 45-OSC54M-0Y1CR | 54MHz | | | |
| LVDS CLOCK | 81.43MHZ | | | | |
| IF | 44MHz | | | | |
| DC-DC | U302->385KHz | U303->1MHz | | | |
| DDR | 390MHz | | | | |
| AMP | 384KHz | | | | |

Date of Test : Jul.28~Sep.04, 2011

Date of Receipt : Jul.26, 2011

Sample Type : Prototype production





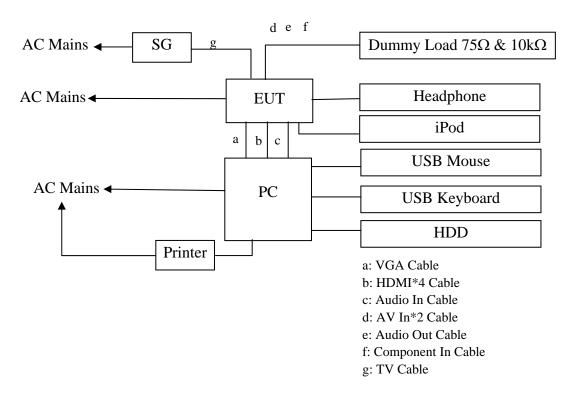
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2.2.Tested Supporting System Details

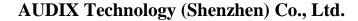
| | Description | ACS No. | Manufacturer | Model | Serial Number | Approved type | | | |
|-----|--|--|----------------------------|------------|------------------------------|-----------------------------------|--|--|--|
| 1. | Personal | Test PC P | DELL | Studio 540 | 124XK2X | ☑FCC DoC ☑BSMI ID:R33002 | | | |
| | Computer | Power Cord: Unshielded, Detachable, 1.8m Display Card: HD3450 (DVI+VGA+HDMI) | | | | | | | |
| 2. | USB Keyboard | ACS-EMC- K04R | DELL | SK-8115 | CN-ODJ313-7161 6-6BB-049J | ☑ FCC DoC ☑BSMI ID: T3A002 | | | |
| | | Power Cord: shielde | d, Undetachable, | 2.0m | | | | | |
| 3. | Headphone | ACS-EMC-EP02 | OVANN | OV880V | N/A | □FCC ID □BSMI ID | | | |
| | | Cable: Shielded, Un | detachabled, 4.0r | n | | | | | |
| | | ACS-EMC-PT04 | НР | C9079A | N/A | ☑FCC DoC ☑BSMI ID: R33001 | | | |
| 4. | USB Cable: Shielded, Detachabled, 1.8m Power Cord: Unshielded, Detachabled, 1.8m Power Adapter: HP, M/N: 0957-2119, BSMI ID: R33030, DC Cable: Unshielded, Detachabled, 1.5m | | | | | | | | |
| 5. | USB Mouse | ACS-EMC-M04R | DELL | M056UO | 512024282 | ☑ FCC DoC ☑BSMI ID: R41108 | | | |
| | | Power Cord: shielde | d, Undetachable, | 1.8m | | | | | |
| 6. | iPod nano | ACS-EMC-IP03 | APPLE | A1199 | YM711H3LVQ5 | ☑FCC DoC ☑BSMI ID: R33057 | | | |
| | | Data Cable: Shielded | | | | | | | |
| 7. | iPod nano | ACS-EMC-IP04 | APPLE | A1199 | YM706N0EVQ5 | ☑FCC DoC ☑BSMI ID: R33057 | | | |
| | | Data Cable: Shielded | d, Detachabled, 1 | .0m | | | | | |
| 8. | HDD | ACS-EMC-HDD03 | Terasys | F12-UF | A0100215-53900 30 | ☑FCC DoC ☑BSMI ID: 4912A022 | | | |
| | | USB Cable: Shielded | d, Detachable, 1.3 | Bm | | | | | |
| 9. | Dummy Load (10KΩ &75Ω) Component In Cable: Unshielded, Detachabled, 1.5m Audio Out Cable: Unshielded, Detachabled, 1.5m AV Cable: Unshielded, Detachable, 1.5m | | | | | | | | |
| 10. | D-Sub Cable: Sh HDMI Cable: Sh | shielded, Detachable ielded, Detachable ielded, Detachable ishieled, Detachable | , 2.0m , 1.5m , 1.5m | | | | | | |

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2.3.Block diagram of connection between the EUT and simulators



(EUT: LED TV)





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2.4.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 : Certificated by FCC, USA

Registration Number: 90454 Valid Date: Mar.31, 2012

3m & 10m Anechoic Chamber : Certificated by FCC, USA

Registration Number: 794232 Valid Date: Dec.30, 2012

EMC Lab. : Certificated by DAkkS, Germany

Registration No: D-PL-12151-01-01

Valid Date: Feb.01, 2014

Accredited by NVLAP, USA NVLAP Code: 200372-0 Valid Date: Mar.31, 2012

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

| Test Item | Uncertainty | | |
|--|--------------------------------|--|--|
| Uncertainty for Conduction emission test in No. 1 Conduction | 3.2 dB | | |
| | 3.6 dB(30~200MHz, Polarize: H) | | |
| Uncertainty for Radiation Emission test | 3.7 dB(30~200MHz, Polarize: V) | | |
| in 3m chamber | 4.0 dB(200M~1GHz, Polarize: H) | | |
| | 3.7 dB(200M~1GHz, Polarize: V) | | |
| Uncertainty for test site temperature | 3% | | |
| and humidity | 0.6℃ | | |

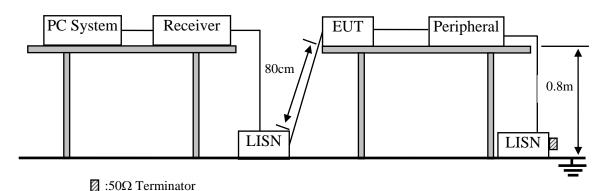
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3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|----------------|-----------------|-----------|---------------|------------|---------------|
| 1. | Test Receiver | Rohde & Schwarz | ESHS10 | 838693/001 | Nov.05, 10 | 1 Year |
| 2. | L.I.S.N.#1 | Rohde & Schwarz | ESH2-Z5 | 834066/011 | Nov.05, 10 | 1 Year |
| 3. | L.I.S.N.#3 | Kyoritsu | KNW-242C | 8-1920-1 | May.08, 11 | 1 Year |
| 4. | Terminator | Hubersuhner | 50Ω | No. 1 | May.08, 11 | 1 Year |
| 5. | RF Cable | Fujikura | 3D-2W | LISN Cable 1# | May.08, 11 | 1Year |
| 6. | Coaxial Switch | Anritsu | MP59B | M55367 | May.08, 11 | 1 Year |
| 7. | Passive Probe | Rohde & Schwarz | ESH2-Z3 | 299.7810.52 | May.08, 11 | 1 Year |
| 8. | Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | 100341 | May.08, 11 | 1 Year |

3.2.Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

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

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Test

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

3.4.1.LED TV (EUT)

Model Number : LE40FHDE5200

Serial Number : N/A

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

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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. PC system ran the Self-test program "EMC Test. exe" by windows XP and sent "H" Character to LCD TV (EUT), the Screen of EUT displayed and filled with "H" pattern, use white letters on a blackground, set the contrast control to maximum, set the brightness control to maximum and measure it.
- 3.5.4. The PC system was running the program "1kHz signal Playing" and sending sound to EUT.
- 3.5.5. The other peripheral devices were driven and operated in turn during all testing.

3.6.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2009 on conducted Emission test.

The bandwidth of test receiver (R&S TEST RECEIVER ESHS10) 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 to read Q.P values, all the test results are listed in next pages.

EUT: LED TV Model No.: LE40FHDE5200

Test Date: Jul.28, 2011 Temperature: 29.5°C Humidity: 55%



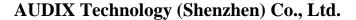
AUDIX Technology (Shenzhen) Co., Ltd.

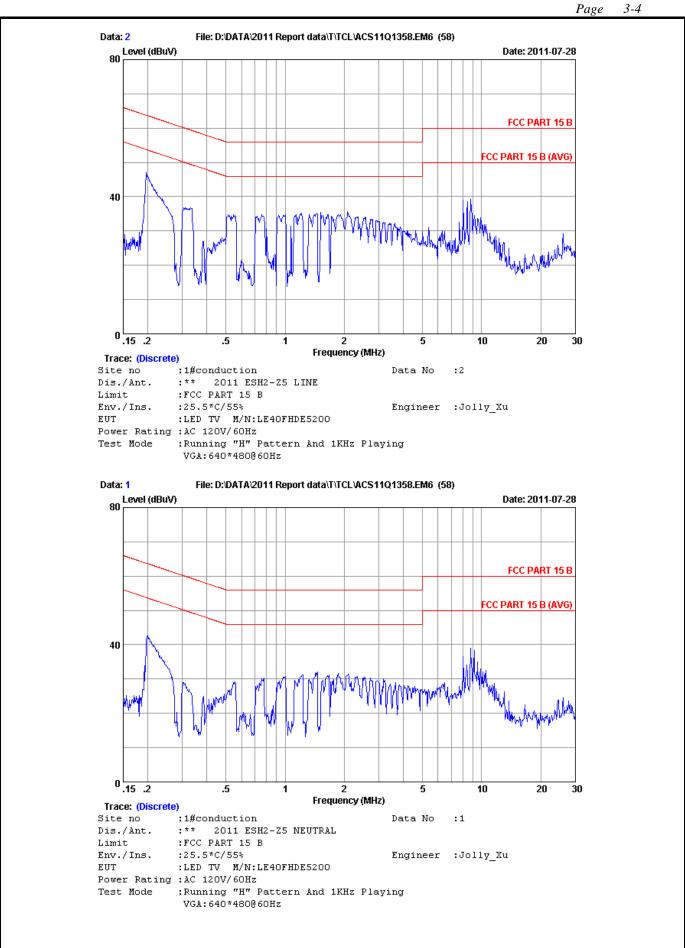
Page 3-3

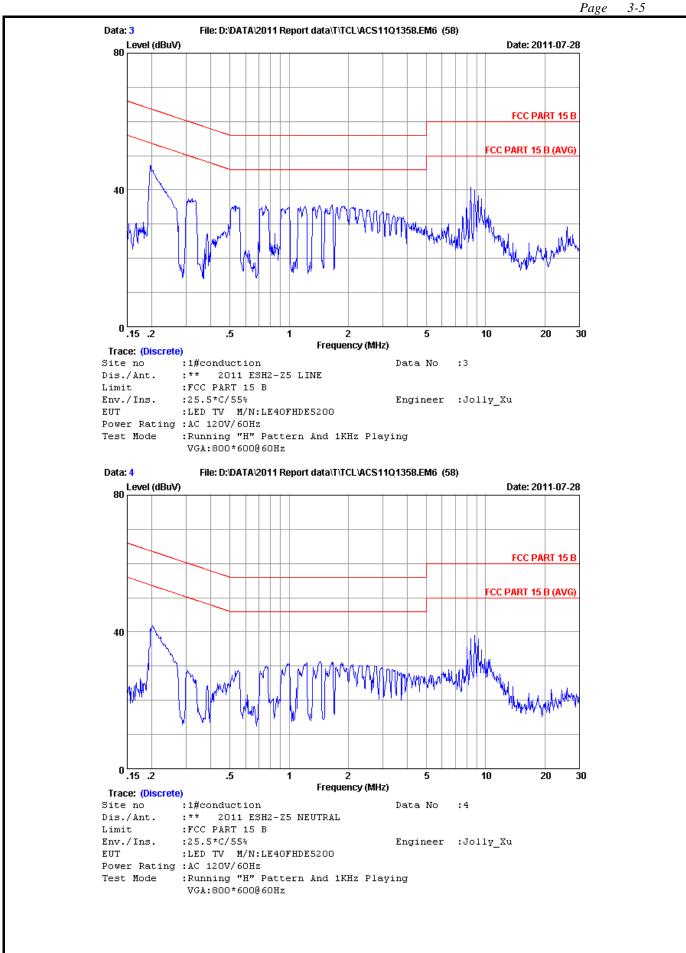
The details of test modes are as follows:

| No. | Test Mode | Input Port | Input Port Resolution & | | Reference Test Data No. | | |
|------|-----------|------------|-------------------------|------|----------------------------|--|--|
| | | | Frequency | Line | Neutral | | |
| 1. | | | 640*480 @60Hz | #2 | #1 | | |
| 2. | | VGA | 800*600 @ 60Hz | #3 | #4 | | |
| 3. | | | 1024*768 @60Hz | #6 | #5 | | |
| 4. | PC Mode | HDMI 1 | 1920*1080@60Hz | #7 | #8 | | |
| 5. | | HDMI 2 | 1920*1080@60Hz | #10 | #9 | | |
| 6. 💥 | | HDMI 3 | 1920*1080@60Hz | #11 | #12 | | |
| 7. | | HDMI 4 | 1920*1080@60Hz | #14 | #13 | | |

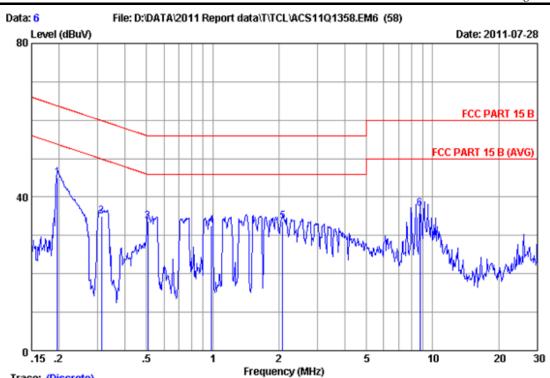
(* Worst test mode)







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Trace: (Discrete)

Site no :1#conduction Data No

:** 2011 ESH2-Z5 LINE Dis./Ant.

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

:LED TV M/N:LE40FHDE5200 FIIT

Power Rating : AC 120V/60Hz

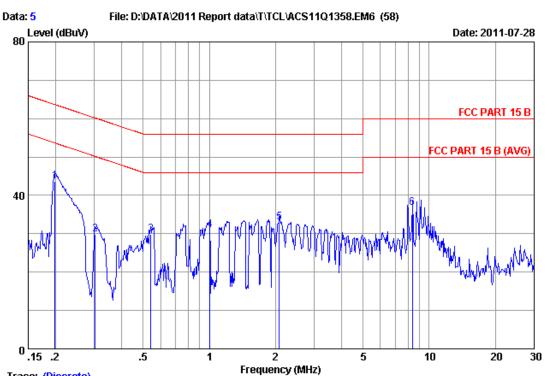
Test Mode :Running "H" Pattern And 1KHz Playing

VGA: 1024*768@60Hz

| No | Freq (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV) | Limits (dBuV) | Margin (dB) | Remark |
|----|---------------|------------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|--------|
| 1 | 0.19654 | 0.17 | 9.98 | 34.77 | 44.92 | 63.76 | 18.84 | QP |
| 2 | 0.31163 | 0.18 | 9.98 | 24.82 | 34.98 | 59.93 | 24.95 | QP |
| 3 | 0.50737 | 0.19 | 9.98 | 23.59 | 33.76 | 56.00 | 22.24 | QP |
| 4 | 0.98914 | 0.23 | 9.98 | 22.33 | 32.54 | 56.00 | 23.46 | QP |
| 5 | 2.077 | 0.31 | 9.96 | 23.42 | 33.69 | 56.00 | 22.31 | QP |
| 6 | 8.776 | 0.58 | 9.91 | 26.46 | 36.95 | 60.00 | 23.05 | QP |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Data No

:5

Trace: (Discrete)

Site no :1#conduction

Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

EUT :LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

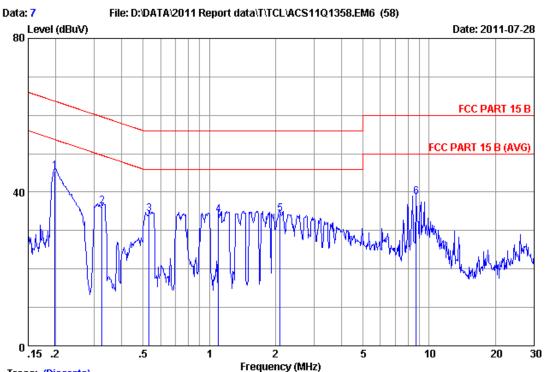
:Running "H" Pattern And 1KHz Playing Test Mode

VGA:1024*768@60Hz

| | | LISN | Cable | | Emissio | n | | |
|----|---------|--------|-------|---------|---------|--------|--------|--------|
| No | Freq | Factor | Loss | Reading | Level | Limits | Margin | Remark |
| | (MHz) | (dB) | (dB) | (dBuV) | (dBuV) | (dBuV) | (dB) | |
| | | | | | | | | |
| 1 | 0.19863 | 0.21 | 9.98 | 33.57 | 43.76 | 63.67 | 19.91 | QP |
| 2 | 0.30188 | 0.21 | 9.98 | 19.60 | 29.79 | 60.19 | 30.40 | QP |
| 3 | 0.54068 | 0.22 | 9.98 | 19.63 | 29.83 | 56.00 | 26.17 | QP |
| 4 | 1.005 | 0.24 | 9.98 | 20.70 | 30.92 | 56.00 | 25.08 | QP |
| 5 | 2.077 | 0.27 | 9.96 | 22.85 | 33.08 | 56.00 | 22.92 | QP |
| 6 | 8.367 | 0.42 | 9.91 | 26.55 | 36.88 | 60.00 | 23.12 | QP |
| | | | | | | | | |

Remarks: 1. Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Trace: (Discrete)

Site no :1#conduction Data No

Dis./Ant. :** 2011 ESH2-Z5 LINE

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

EUT :LED TV M/N:LE40FHDE5200

Power Rating :AC 120V/60Hz

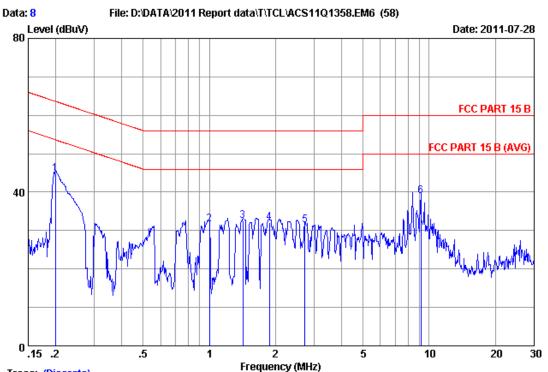
Test Mode : Running "H" Pattern And 1KHz Playing

HDMI 1:1920*1080@60Hz

| No | Freq (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emissio Level (dBuV) | n Limits (dBuV) | Margin (dB) | Remark |
|--------|---------------|------------------------|-----------------------|-------------------|----------------------------|-----------------------|----------------|--------|
| 1 | 0.19863 | 0.17 | 9.98 | 35.23 | 45.38 | 63.67 | 18.29 | QP |
| 2 | 0.32512 | 0.18 | 9.98 | 26.08 | 36.24 | 59.57 | 23.33 | QP |
| 3 | 0.53215 | 0.19 | 9.98 | 24.12 | 34.29 | 56.00 | 21.71 | QP |
| 4 | 1.100 | 0.24 | 9.98 | 23.90 | 34.12 | 56.00 | 21.88 | QP |
| 5 | 2.099 | 0.31 | 9.96 | 24.11 | 34.38 | 56.00 | 21.62 | QP |
| 6 | 8.729 | 0.58 | 9.91 | 28.32 | 38.81 | 60.00 | 21.19 | QP |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Trace: (Discrete)

Site no :1#conduction Data No

Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

EUT :LED TV M/N:LE40FHDE5200

Power Rating :AC 120V/60Hz

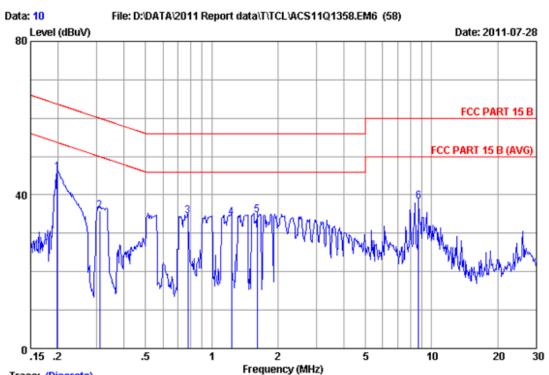
Test Mode : Running "H" Pattern And 1KHz Playing

HDMI 1:1920*1080@60Hz

| No | Freq (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emissio Level (dBuV) | n Limits (dBuV) | Margin (dB) | Remark |
|--------|---------------|------------------------|-----------------------|-------------------|----------------------------|-----------------------|----------------|--------|
| 1 | 0.19969 | 0.21 | 9.98 | 34.49 | 44.68 | 63.62 | 18.94 | QP |
| 2 | 0.99968 | 0.24 | 9.98 | 21.50 | 31.72 | 56.00 | 24.28 | QP |
| 3 | 1.418 | 0.25 | 9.97 | 22.21 | 32.43 | 56.00 | 23.57 | QP |
| 4 | 1.878 | 0.27 | 9.96 | 21.94 | 32.17 | 56.00 | 23.83 | QP |
| 5 | 2.721 | 0.28 | 9.95 | 21.19 | 31.42 | 56.00 | 24.58 | QP |
| 6 | 9.156 | 0.43 | 9.91 | 28.61 | 38.95 | 60.00 | 21.05 | QP |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Trace: (Discrete)

Site no :1#conduction Data No

Dis./Ant. :** 2011 ESH2-Z5 LINE

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

:LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

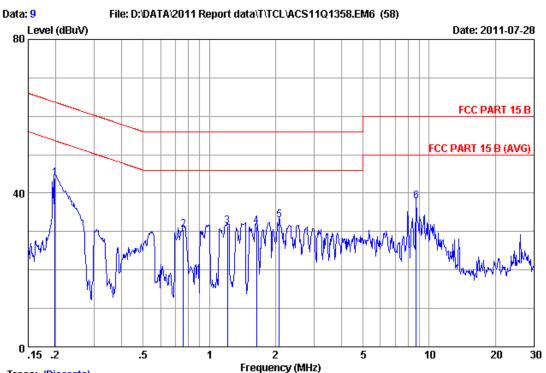
:Running "H" Pattern And 1KHz Playing Test Mode

HDMI 2:1920*1080@60Hz

| | | LISN | Cable | | Emissio | n | | |
|----|---------|--------|-------|---------|---------|--------|--------|--------|
| No | Freq | Factor | Loss | Reading | Level | Limits | Margin | Remark |
| | (MHz) | (dB) | (dB) | (dBuV) | (dBuV) | (dBuV) | (dB) | |
| | | | | | | | | |
| 1 | 0.19863 | 0.17 | 9.98 | 35.69 | 45.84 | 63.67 | 17.83 | QP |
| 2 | 0.30998 | 0.18 | 9.98 | 25.78 | 35.94 | 59.97 | 24.03 | QP |
| 3 | 0.77931 | 0.20 | 9.97 | 24.32 | 34.49 | 56.00 | 21.51 | QP |
| 4 | 1.229 | 0.25 | 9.97 | 23.89 | 34.11 | 56.00 | 21.89 | QP |
| 5 | 1.610 | 0.28 | 9.97 | 24.41 | 34.66 | 56.00 | 21.34 | QP |
| 6 | 8.729 | 0.58 | 9.91 | 27.80 | 38.29 | 60.00 | 21.71 | QP |
| | | | | | | | | |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Data No

:9

Trace: (Discrete)

Site no :1#conduction

Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

EUT :LED TV M/N:LE40FHDE5200

Power Rating :AC 120V/60Hz

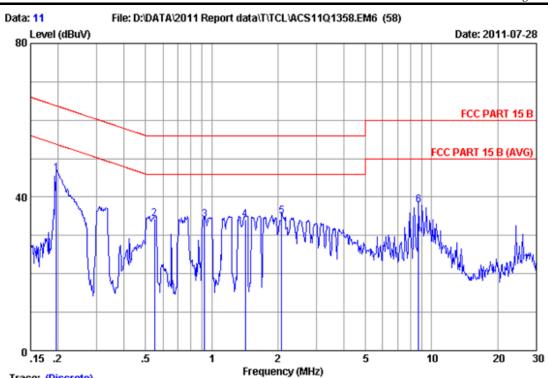
Test Mode : Running "H" Pattern And 1KHz Playing

HDMI 2:1920*1080@60Hz

| No | Freq (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emissio Level (dBuV) | n Limits (dBuV) | Margin (dB) | Remark |
|--------|---------------|------------------------|-----------------------|-------------------|----------------------------|-----------------------|----------------|--------|
| 1 | 0.19863 | 0.21 | 9.98 | 33.79 | 43.98 | 63.67 | 19.69 | QP |
| 2 | 0.76297 | 0.23 | 9.97 | 20.39 | 30.59 | 56.00 | 25.41 | QP |
| 3 | 1.210 | 0.25 | 9.97 | 21.16 | 31.38 | 56.00 | 24.62 | QP |
| 4 | 1.636 | 0.26 | 9.97 | 21.20 | 31.43 | 56.00 | 24.57 | QP |
| 5 | 2.077 | 0.27 | 9.96 | 22.64 | 32.87 | 56.00 | 23.13 | QP |
| 6 | 8.729 | 0.42 | 9.91 | 27.66 | 37.99 | 60.00 | 22.01 | QP |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Trace: (Discrete)

Site no :1#conduction Data No

:** 2011 ESH2-Z5 LINE Dis./Ant.

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

:LED TV M/N:LE40FHDE5200 FIIT

Power Rating : AC 120V/60Hz

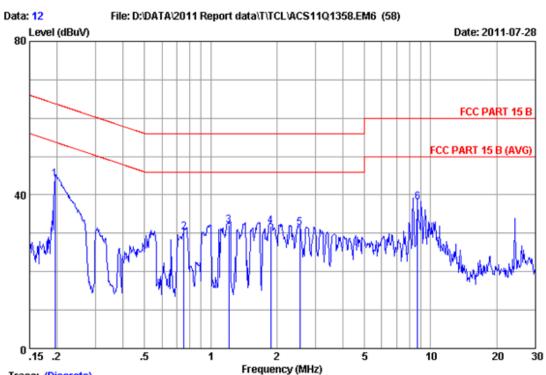
Test Mode :Running "H" Pattern And 1KHz Playing

HDMI 3:1920*1080@60Hz

| No | Freq (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emissio Level (dBuV) | n Limits (dBuV) | Margin (dB) | Remark |
|----|---------------|------------------------|-----------------------|-------------------|----------------------------|-----------------------|----------------|--------|
| 1 | 0.19654 | 0.17 | 9.98 | 36.04 | 46.19 | 63.76 | 17.57 | QP |
| 2 | 0.54934 | 0.19 | 9.98 | 24.04 | 34.21 | 56.00 | 21.79 | QP |
| 3 | 0.92821 | 0.22 | 9.98 | 23.89 | 34.09 | 56.00 | 21.91 | QP |
| 4 | 1.418 | 0.26 | 9.97 | 23.88 | 34.11 | 56.00 | 21.89 | QP |
| 5 | 2.077 | 0.31 | 9.96 | 24.74 | 35.01 | 56.00 | 20.99 | QP |
| 6 | 8.729 | 0.58 | 9.91 | 27.46 | 37.95 | 60.00 | 22.05 | QP |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Data No

:12

Trace: (Discrete)

Site no :1#conduction

:** 2011 ESH2-Z5 NEUTRAL Dis./Ant.

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

:LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

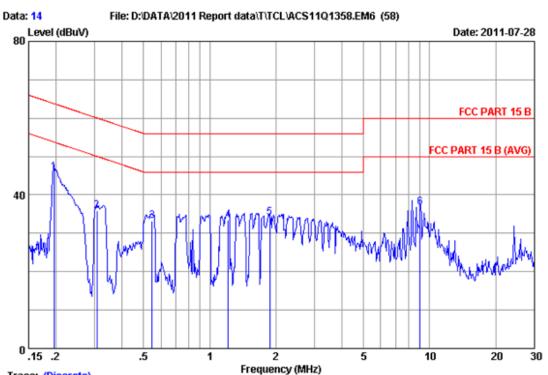
:Running "H" Pattern And 1KHz Playing Test Mode

HDMI 3:1920*1080@60Hz

| No | Freq (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emissio Level (dBuV) | n Limits (dBuV) | Margin (dB) | Remark |
|----|---------------|------------------------|-----------------------|-------------------|----------------------------|-----------------------|----------------|--------|
| 1 | 0.19550 | 0.21 | 9.98 | 34.01 | 44.20 | 63.80 | 19.60 | QP |
| 2 | 0.75493 | 0.23 | 9.97 | 20.17 | 30.37 | 56.00 | 25.63 | QP |
| 3 | 1.210 | 0.25 | 9.97 | 21.89 | 32.11 | 56.00 | 23.89 | QP |
| 4 | 1.878 | 0.27 | 9.96 | 21.60 | 31.83 | 56.00 | 24.17 | QP |
| 5 | 2.540 | 0.28 | 9.95 | 21.17 | 31.40 | 56.00 | 24.60 | QP |
| 6 | 8.729 | 0.42 | 9.91 | 27.86 | 38.19 | 60.00 | 21.81 | QP |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Trace: (Discrete)

Site no :1#conduction Data No

Dis./Ant. :** 2011 ESH2-Z5 LINE

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

EUT :LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

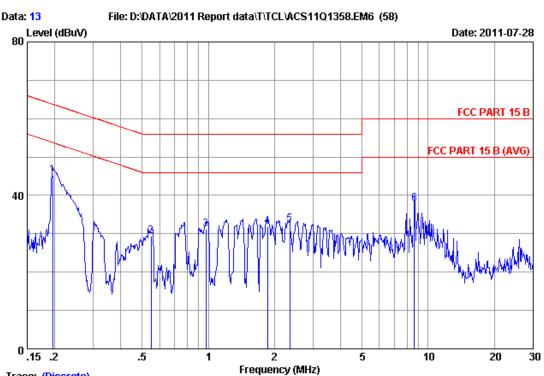
Test Mode : Running "H" Pattern And 1KHz Playing

HDMI 4:1920*1080@60Hz

| No | Freq (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emissio Level (dBuV) | n Limits (dBuV) | Margin (dB) | Remark |
|----|---------------|------------------------|-----------------------|-------------------|----------------------------|-----------------------|----------------|--------|
| | 0 10550 | 0 17 | | 05 74 | 45.00 | | 17 01 | O.D. |
| 1 | 0.19550 | 0.17 | 9.98 | 35.74 | 45.89 | 63.80 | 17.91 | QP |
| 2 | 0.30671 | 0.18 | 9.98 | 25.68 | 35.84 | 60.06 | 24.22 | QP |
| 3 | 0.54644 | 0.19 | 9.98 | 22.96 | 33.13 | 56.00 | 22.87 | QP |
| 4 | 1.216 | 0.25 | 9.97 | 23.13 | 33.35 | 56.00 | 22.65 | QP |
| 5 | 1.878 | 0.30 | 9.96 | 23.91 | 34.17 | 56.00 | 21.83 | QP |
| 6 | 9.059 | 0.60 | 9.91 | 26.36 | 36.87 | 60.00 | 23.13 | QP |

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

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Data No

Trace: (Discrete)

Site no :1#conduction

Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL

Limit :FCC PART 15 B

Env./Ins. :25.5*C/55% Engineer :Jolly_Xu

EUT :LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

:Running "H" Pattern And 1KHz Playing Test Mode

HDMI 4:1920*1080@60Hz

| | | LISN | Cable | | Emissio | n | | |
|----|---------|--------|-------|---------|---------|--------|--------|--------|
| No | Freq | Factor | Loss | Reading | Level | Limits | Margin | Remark |
| | (MHz) | (dB) | (dB) | (dBuV) | (dBuV) | (dBuV) | (dB) | |
| | | | | | | | | |
| 1 | 0.19550 | 0.21 | 9.98 | 35.08 | 45.27 | 63.80 | 18.53 | QP |
| 2 | 0.54934 | 0.22 | 9.98 | 19.27 | 29.47 | 56.00 | 26.53 | QP |
| 3 | 0.97354 | 0.24 | 9.98 | 21.06 | 31.28 | 56.00 | 24.72 | QP |
| 4 | 1.858 | 0.27 | 9.96 | 21.68 | 31.91 | 56.00 | 24.09 | QP |
| 5 | 2.346 | 0.28 | 9.96 | 22.35 | 32.59 | 56.00 | 23.41 | QP |
| 6 | 8.637 | 0.42 | 9.91 | 27.53 | 37.86 | 60.00 | 22.14 | QP |
| | | | | | | | | |

Remarks: 1. Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.



4. RADIATED EMISSION TEST

4.1.Test Equipment

4.1.1.For frequency range 30MHz~1000MHz

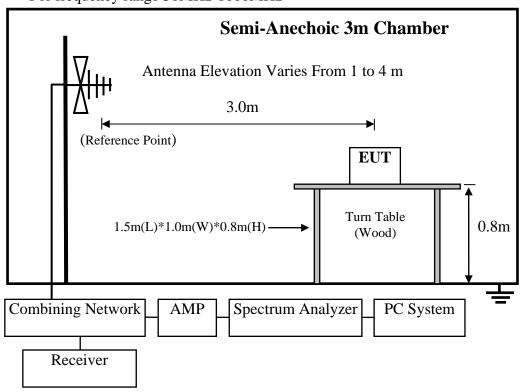
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|----------------|-----------------|-----------|-----------------|------------|---------------|
| 1 | 3#Chamber | AUDIX | N/A | N/A | Dec.06,10 | 1 Year |
| 2 | EMI Spectrum | Agilent | E4407B | MY41440292 | May.08, 11 | 1 Year |
| 3 | Test Receiver | Rohde & Schwarz | ESVS10 | 834468/011 | May.08, 11 | 1 Year |
| 4 | Amplifier | HP | 8447D | 2648A04738 | May.08, 11 | 1 Year |
| 5 | Bilog Antenna | Schaffner | CBL6111C | 2598 | Oct.26, 10 | 1 Year |
| 6 | RF Cable | MIYAZAKI | 8D-FB | 3# Chamber No.1 | May.08, 11 | 1 Year |
| 7 | Coaxial Switch | Anritsu | MP59B | M73989 | May.08, 11 | 1 Year |

4.1.2.For frequency range 1GHz~2GHz

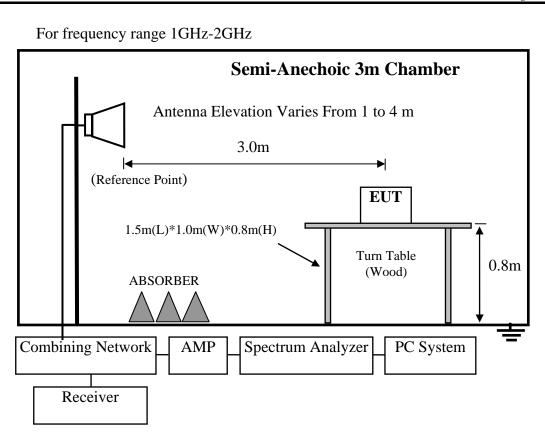
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-------------|------------|-------------|---------------|
| 1 | Spectrum Analyzer | Agilent | E4407B | MY41440292 | May.08, 11 | 1 Year |
| 2 | Horn Antenna | EMCO | 3115 | 9607-4877 | July.01, 11 | 1 Year |
| 3 | Amplifier | Agilent | 8449B | 3008A00863 | May.08, 11 | 1 Year |
| 4 | RF Cable | Hubersuhner | SUCOFLEX102 | 28622/2 | May.08, 11 | 1 Year |
| 5 | RF Cable | Hubersuhner | SUCOFLEX102 | 29091/2 | May.08, 11 | 1 Year |

4.2.Block Diagram of Test Setup

For frequency range 30MHz-1000MHz







4.3. Radiated Emission Limit

| Frequency | Distance | Field Strengths Limits |
|------------|----------|------------------------|
| MHz | (Meters) | 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(Peak)54(Average) |

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

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.4.EUT Configuration on Test

The configurations of EUT are listed in Section 3.4

4.5. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.5. except the test set up replaced by Section 4.2.



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: 2009 on Radiated Emission test.

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

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

4.7. Radiated Disturbance Test Results

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

EUT: LED TV Model No.: LE40FHDE5200

For frequency range 30MHz~1000MHz

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

Test Date: Sep.04, 2011 Temperature: 24°C Humidity: 56%

The details of test modes are as follows:

| No. | Test Mode | Input Port | Resolution & | Reference Test Data No. | |
|------|-----------|------------|----------------|-------------------------|----------|
| | | _ | Frequency | Horizontal | Vertical |
| 1. | | | 640*480 @60Hz | #49 | #50 |
| 2. | | VGA | 800*600 @ 60Hz | #48 | #47 |
| 3. | | | 1024*768@60Hz | #45 | #46 |
| 4. | PC Mode | HDMI 1 | 1920*1080@60Hz | #52 | #51 |
| 5. ※ | | HDMI 2 | 1920*1080@60Hz | #53 | #54 |
| 6. | | HDMI 3 | 1920*1080@60Hz | #56 | #55 |
| 7. | | HDMI 4 | 1920*1080@60Hz | #57 | #58 |

(* Worst test mode)



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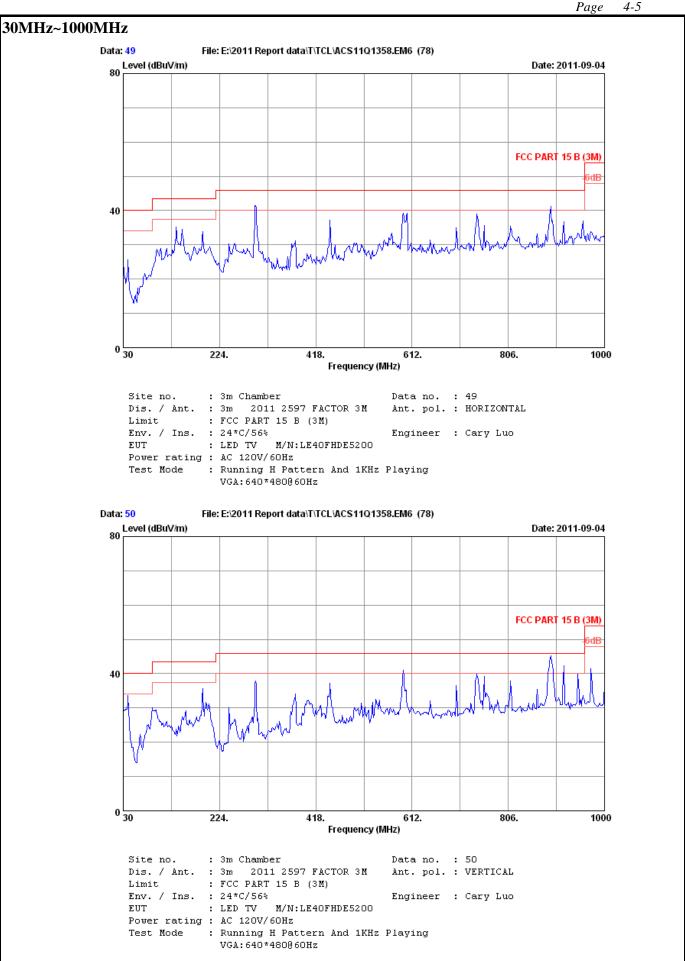
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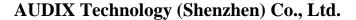
For frequency range 1GHz~2GHz

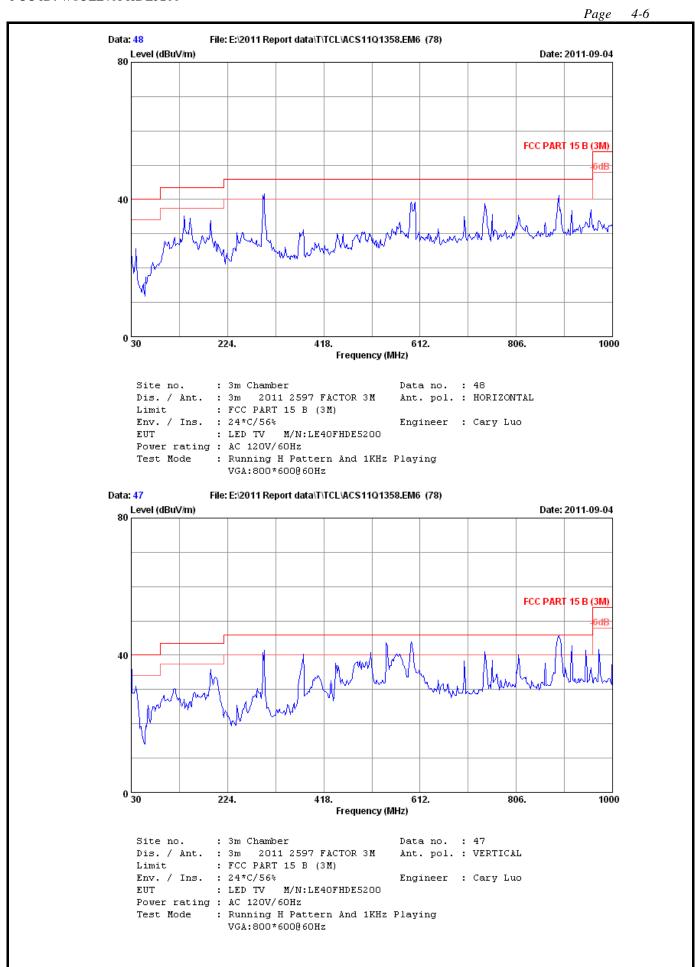
The EUT with below test mode were measured within Anechoic Chamber and the test results listed in next pages

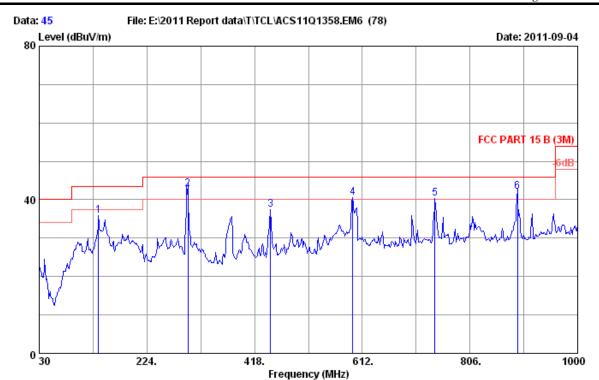
Note: For all the emissions above 1GHz, the peak measured level comply with peak limit, so the average level were deemed to comply with average limit.

| Test Date: Sep.04, 2011 | | l Temperature: 24℃ | Humidity: 56% | | | |
|-------------------------|------------|------------------------|-------------------------|----------|--|--|
| NO. | Test Mode | Resolution & Frequency | Reference Test Data No. | | | |
| NO. | Test Wiode | Resolution & Frequency | Horizontal | Vertical | | |
| 1. | VGA | 1024*768 @60Hz | #75, #76 | #77, #78 | | |
| 2. | HDMI 1 | 1920*1080 @60Hz | #59, #60 | #61, #62 | | |
| 3. | HDMI 2 | 1920*1080 @60Hz | #65, #66 | #63, #64 | | |
| 4. | HDMI 3 | 1920*1080 @60Hz | #67, #68 | #69, #70 | | |
| 5. | HDMI 4 | 1920*1080 @60Hz | #73, #74 | #71, #72 | | |









Site no. : 3m Chamber Data no. : 45

Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

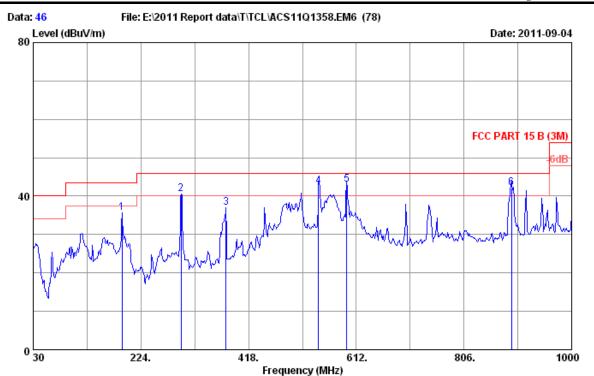
Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

VGA:1024*768@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 136.700 | 13.23 | 1.41 | 21.28 | 35.92 | 43.50 | 7.58 | QP |
| 2 | 297.720 | 13.22 | 2.98 | 26.70 | 42.90 | 46.00 | 3.10 | QP |
| 3 | 447.100 | 16.62 | 3.64 | 17.21 | 37.47 | 46.00 | 8.53 | QP |
| 4 | 594.540 | 18.90 | 4.47 | 17.27 | 40.64 | 46.00 | 5.36 | QP |
| 5 | 742.950 | 21.30 | 5.22 | 13.72 | 40.24 | 46.00 | 5.76 | QP |
| 6 | 891.360 | 22.32 | 5.65 | 14.06 | 42.03 | 46.00 | 3.97 | QP |

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



Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

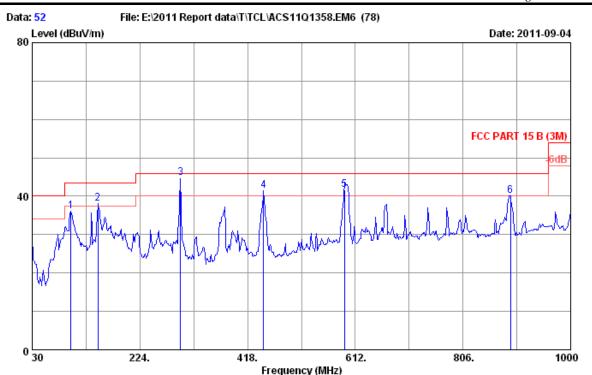
VGA: 1024*768@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 190.050 | 9.60 | 1.76 | 24.35 | 35.71 | 43.50 | 7.79 | QP |
| 2 | 296.750 | 13.18 | 2.96 | 24.44 | 40.58 | 46.00 | 5.42 | QP |
| 3 | 377.260 | 15.24 | 3.25 | 18.54 | 37.03 | 46.00 | 8.97 | QP |
| 4 | 544.100 | 18.72 | 4.22 | 19.66 | 42.60 | 46.00 | 3.40 | QP |
| 5 | 594.540 | 18.90 | 4.47 | 19.56 | 42.93 | 46.00 | 3.07 | QP |
| 6 | 891.360 | 22.32 | 5.65 | 14.09 | 42.06 | 46.00 | 3.94 | QP |
| | | | | | | | | |

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

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Site no. : 3m Chamber Data no. : 52

Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

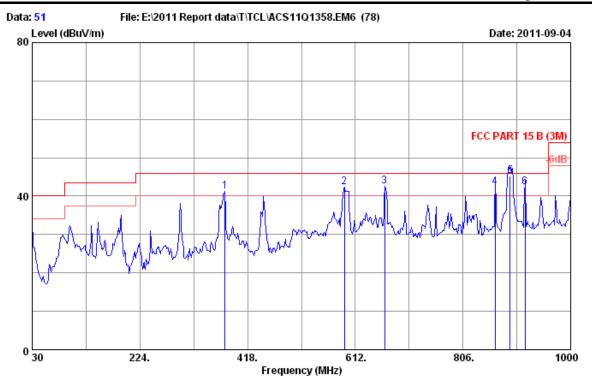
HDMI 1:1920*1080@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 99.840 | 11.80 | 1.17 | 23.04 | 36.01 | 43.50 | 7.49 | QP |
| 2 | 148.340 | 13.10 | 1.49 | 23.50 | 38.09 | 43.50 | 5.41 | QP |
| 3 | 297.100 | 13.18 | 2.96 | 28.70 | 44.84 | 46.00 | 1.16 | QP |
| 4 | 447.100 | 16.62 | 3.64 | 21.21 | 41.47 | 46.00 | 4.53 | QP |
| 5 | 592.600 | 18.86 | 4.47 | 18.29 | 41.62 | 46.00 | 4.38 | QP |
| 6 | 891.360 | 22.32 | 5.65 | 12.14 | 40.11 | 46.00 | 5.89 | QP |

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

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Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

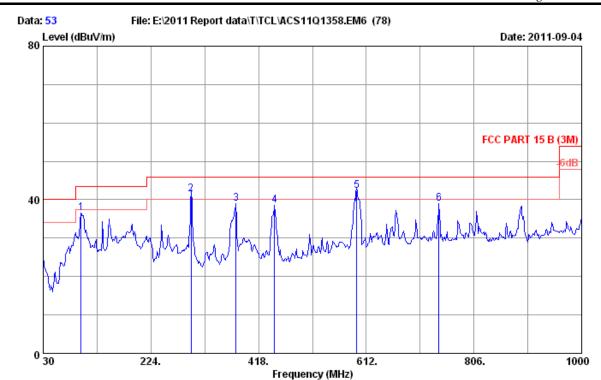
Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 1:1920*1080@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 377.260 | 15.24 | 3.25 | 22.69 | 41.18 | 46.00 | 4.82 | QP |
| 2 | 592.600 | 18.86 | 4.47 | 19.05 | 42.38 | 46.00 | 3.62 | QP |
| 3 | 665.350 | 19.60 | 4.82 | 18.06 | 42.48 | 46.00 | 3.52 | QP |
| 4 | 864.200 | 22.20 | 5.60 | 14.47 | 42.27 | 46.00 | 3.73 | QP |
| 5 | 891.000 | 22.32 | 5.65 | 17.20 | 45.17 | 46.00 | 0.83 | QP |
| 6 | 917.550 | 22.90 | 5.75 | 13.68 | 42.33 | 46.00 | 3.67 | QP |

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



Site no. : 3m Chamber Data no. : 53

Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

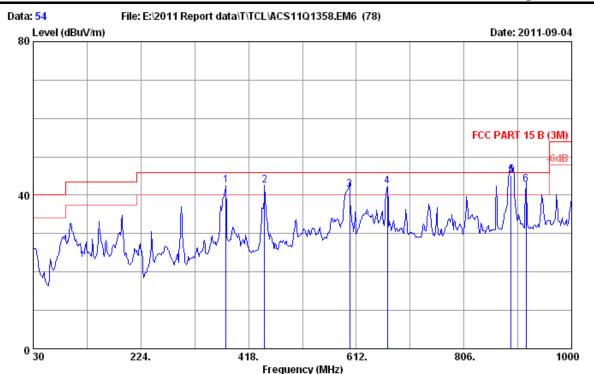
Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 2:1920*1080@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark | |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|--|
| 1 | 97.900 | 11.60 | 1.16 | 23.84 | 36.60 | 43.50 | 6.90 | QP | |
| 2 | 296.750 | 13.18 | 2.96 | 25.37 | 41.51 | 46.00 | 4.49 | QP | |
| 3 | 377.260 | 15.24 | 3.25 | 20.55 | 39.04 | 46.00 | 6.96 | QP | |
| 4 | 447.100 | 16.62 | 3.64 | 18.26 | 38.52 | 46.00 | 7.48 | QP | |
| 5 | 594.540 | 18.90 | 4.47 | 18.93 | 42.30 | 46.00 | 3.70 | QP | |
| 6 | 742.950 | 21.30 | 5.22 | 12.46 | 38.98 | 46.00 | 7.02 | QP | |

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



Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

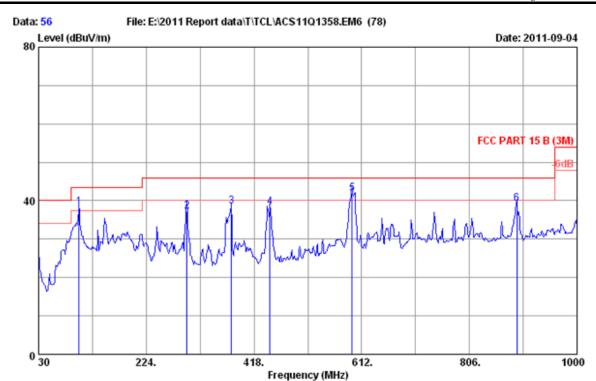
Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 2:1920*1080@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 377.260 | 15.24 | 3.25 | 24.15 | 42.64 | 46.00 | 3.36 | QP |
| 2 | 447.100 | 16.62 | 3.64 | 22.27 | 42.53 | 46.00 | 3.47 | QP |
| 3 | 600.360 | 18.90 | 4.50 | 18.05 | 41.45 | 46.00 | 4.55 | QP |
| 4 | 668.260 | 19.66 | 4.84 | 17.83 | 42.33 | 46.00 | 3.67 | QP |
| 5 | 891.000 | 22.32 | 5.65 | 17.30 | 45.27 | 46.00 | 0.73 | QP |
| 6 | 917.550 | 22.90 | 5.75 | 14.07 | 42.72 | 46.00 | 3.28 | QP |
| | | | | | | | | |

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



Site no. : 3m Chamber Data no. : 56

Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

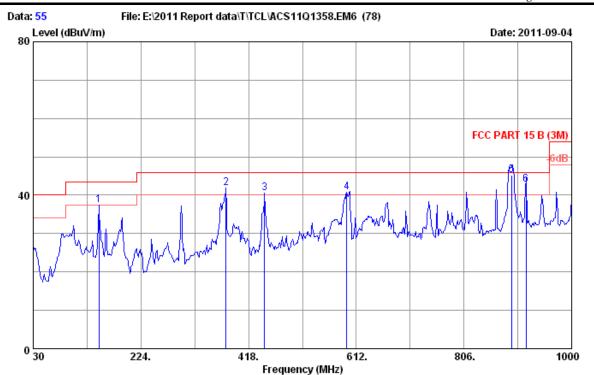
HDMI 3:1920*1080@60Hz

| No. | Freq. | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|---------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 102.750 | 12.25 | 1.19 | 24.78 | 38.22 | 43.50 | 5.28 | QP |
| 2 | 297.010 | 13.18 | 2.96 | 21.00 | 37.14 | 46.00 | 8.86 | QP |
| 3 | 377.260 | 15.24 | 3.25 | 19.97 | 38.46 | 46.00 | 7.54 | QP |
| 4 | 447.100 | 16.62 | 3.64 | 18.04 | 38.30 | 46.00 | 7.70 | QP |
| 5 | 594.540 | 18.90 | 4.47 | 18.57 | 41.94 | 46.00 | 4.06 | QP |
| 6 | 891.360 | 22.32 | 5.65 | 11.31 | 39.28 | 46.00 | 6.72 | QP |
| | | | | | | | | |

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

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

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Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power rating : AC 120V/60Hz

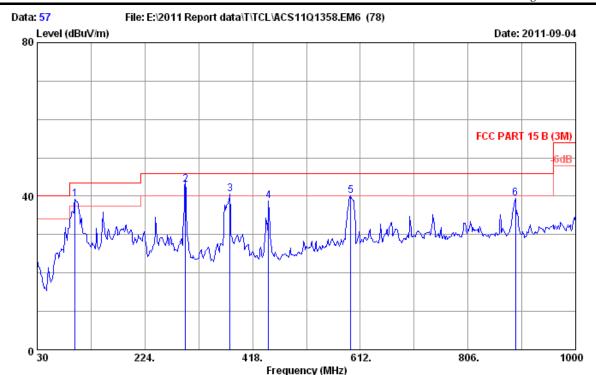
Test Mode : Running H Pattern And 1KHz Playing

HDMI 3:1920*1080@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark | |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|--|
| 1 | 148.340 | 13.10 | 1.49 | 22.90 | 37.49 | 43.50 | 6.01 | QP | |
| 2 | 377.260 | 15.24 | 3.25 | 23.32 | 41.81 | 46.00 | 4.19 | QP | |
| 3 | 447.100 | 16.62 | 3.64 | 20.26 | 40.52 | 46.00 | 5.48 | QP | |
| 4 | 594.540 | 18.90 | 4.47 | 17.38 | 40.75 | 46.00 | 5.25 | QP | |
| 5 | 891.360 | 22.32 | 5.65 | 17.20 | 45.17 | 46.00 | 0.83 | QP | |
| 6 | 917.550 | 22.90 | 5.75 | 14.20 | 42.85 | 46.00 | 3.15 | QP | |

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

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Site no. : 3m Chamber Data no. : 57

Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power rating : AC 120V/60Hz

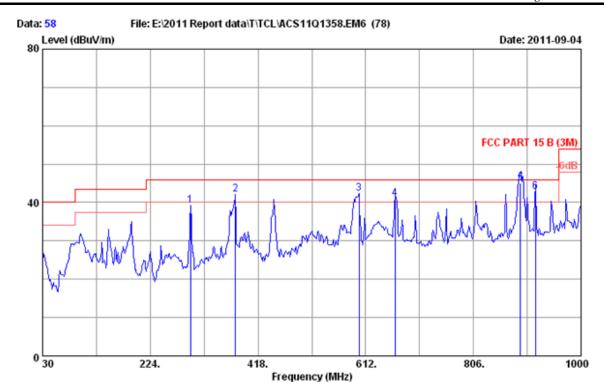
Test Mode : Running H Pattern And 1KHz Playing

HDMI 4:1920*1080@60Hz

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark | |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|--|
| 1 | 97.900 | 11.60 | 1.16 | 26.37 | 39.13 | 43.50 | 4.37 | QP | |
| 2 | 297.000 | 13.18 | 2.96 | 26.80 | 42.94 | 46.00 | 3.06 | QP | |
| 3 | 377.260 | 15.24 | 3.25 | 22.11 | 40.60 | 46.00 | 5.40 | QP | |
| 4 | 447.100 | 16.62 | 3.64 | 18.59 | 38.85 | 46.00 | 7.15 | QP | |
| 5 | 594.540 | 18.90 | 4.47 | 16.70 | 40.07 | 46.00 | 5.93 | QP | |
| 6 | 891.360 | 22.32 | 5.65 | 11.43 | 39.40 | 46.00 | 6.60 | QP | |

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

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Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2597 FACTOR 3M Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

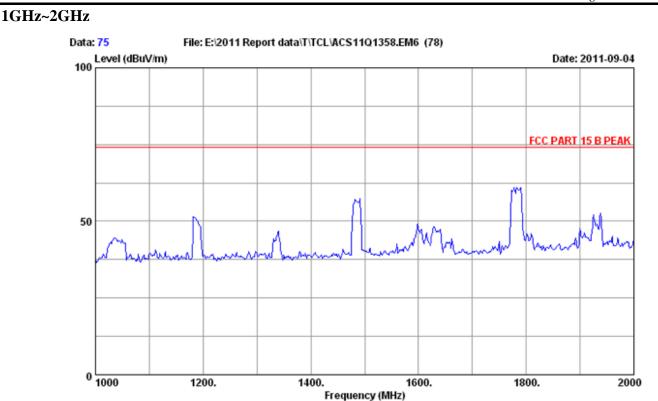
HDMI 4:1920*1080@60Hz

| No. | Freq. | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|---------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| | | | | | | | | |
| 1 | 296.750 | 13.18 | 2.96 | 23.07 | 39.21 | 46.00 | 6.79 | QP |
| 2 | 377.260 | 15.24 | 3.25 | 23.56 | 42.05 | 46.00 | 3.95 | QP |
| 3 | 600.360 | 18.90 | 4.50 | 18.90 | 42.30 | 46.00 | 3.70 | QP |
| 4 | 665.350 | 19.60 | 4.82 | 16.55 | 40.97 | 46.00 | 5.03 | QP |
| 5 | 891.000 | 22.32 | 5.65 | 17.00 | 44.97 | 46.00 | 1.03 | QP |
| 6 | 917.550 | 22.90 | 5.75 | 14.20 | 42.85 | 46.00 | 3.15 | QP |
| | | | | | | | | |

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

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

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Site no. : 3m Chamber Data no. : 75

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK Env. / Ins. : 24*C/56%

Env. / Ins. : 24*C/56% Engineer : Cary Luo

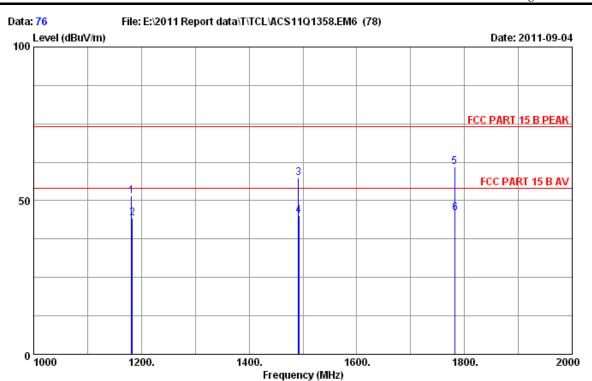
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

VGA:1024*768@60Hz

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Site no. : 3m Chamber Data no. : 76

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

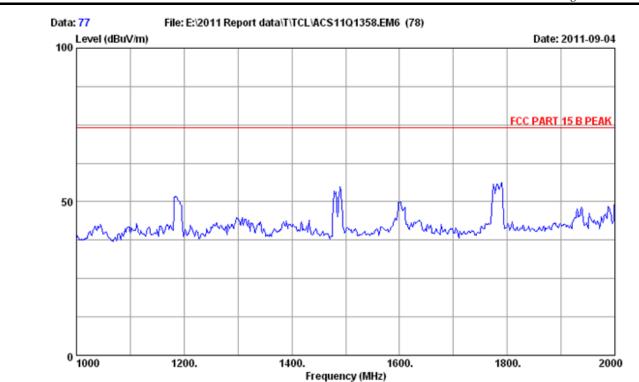
Test Mode : Running H Pattern And 1KHz Playing

VGA:1024*768@60Hz

| | | Ant. | Cable | AMP | | Emission | | | |
|-----|----------|--------|-------|--------|----------|----------|----------|-------|---------|
| No. | Freq. | Factor | Loss | factor | Reading | Level | Limits | _ | Remark |
| | (MHz) | (dB/m) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | |
| 1 | 1182.000 | 24.11 | 3.29 | 35.26 | 59.26 | 51.40 | 74.00 | 22.60 | Peak |
| 2 | 1182.870 | 24.11 | 3.29 | 35.26 | 52.29 | 44.43 | 54.00 | 9.57 | Average |
| 3 | 1492.000 | 25.60 | 3.79 | 35.00 | 62.95 | 57.34 | 74.00 | 16.66 | Peak |
| 4 | 1492.540 | 25.60 | 3.79 | 35.00 | 50.87 | 45.26 | 54.00 | 8.74 | Average |
| 5 | 1782.000 | 26.68 | 4.26 | 34.78 | 64.81 | 60.97 | 74.00 | 13.03 | Peak |
| 6 | 1782.250 | 26.68 | 4.29 | 34.78 | 49.74 | 45.93 | 54.00 | 8.07 | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading $-\mathrm{Amp}$ Factor

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Site no. : site Data no. : 77
Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

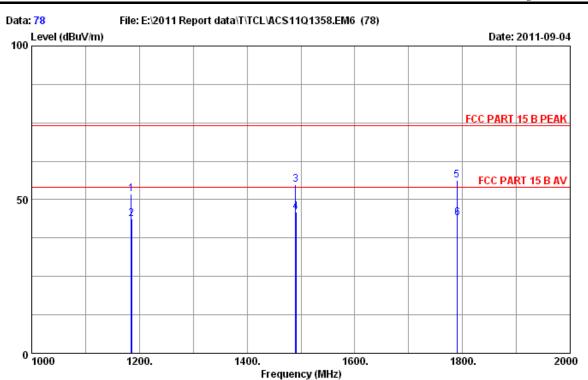
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

VGA: 1024*768@60Hz

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Site no. : site Data no. : 78

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

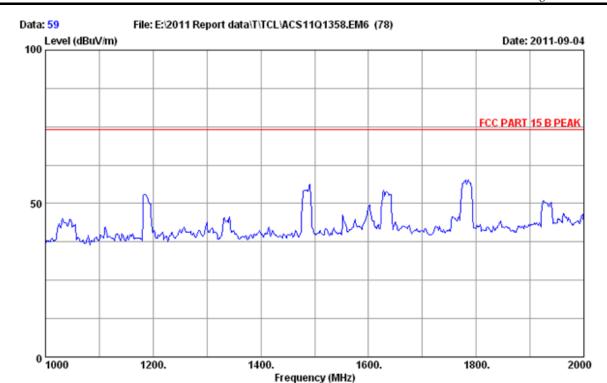
Test Mode : Running H Pattern And 1KHz Playing

VGA:1024*768@60Hz

| | | Ant. | Cable | AMP | | Emission | | | |
|-----|----------|--------|-------|--------|----------|----------|--------|-------|---------|
| No. | Freq. | Factor | Loss | factor | Reading | Level | Limits | _ | Remark |
| | (MHz) | (dB/m) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | |
| 1 | 1185.000 | 24.11 | 3.29 | 35.26 | 59.60 | 51.74 | 74.00 | 22.26 | Peak |
| 2 | 1185.870 | 24.11 | 3.29 | 35.26 | 51.66 | 43.80 | 54.00 | 10.20 | Average |
| 3 | 1490.000 | 25.60 | 3.79 | 35.00 | 60.50 | 54.89 | 74.00 | 19.11 | Peak |
| 4 | 1490.870 | 25.60 | 3.79 | 35.00 | 51.55 | 45.94 | 54.00 | 8.06 | Average |
| 5 | 1790.000 | 26.68 | 4.29 | 34.76 | 59.92 | 56.13 | 74.00 | 17.87 | Peak |
| 6 | 1790.440 | 26.68 | 4.29 | 34.76 | 47.89 | 44.10 | 54.00 | 9.90 | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading $-{\rm Amp}$ Factor

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Site no. : site Data no. : 59

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

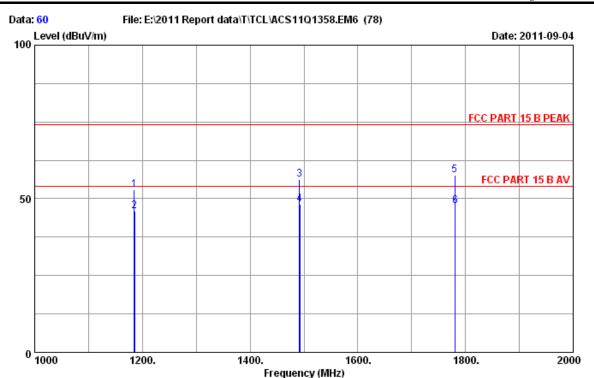
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 1:1920*1080@60Hz

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Site no. : site Data no. : 60

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

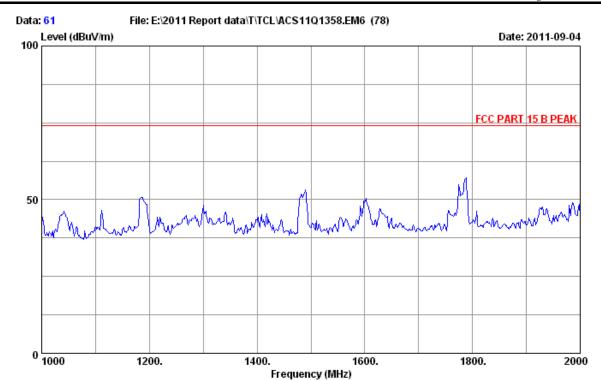
Test Mode : Running H Pattern And 1KHz Playing

HDMI 1:1920*1080@60Hz

| | Ant. | Cable | AMP | | Emission | | | |
|----------------|---|---|--|--|---|--|---|---|
| Freq. (MHz) | Factor (dB/m) | Loss (dB) | factor (dBuV) | Reading (dBuV/m) | Level (dBuV/m) | Limits (dB) | Margin (dB) | Remark |
| | | | | | | | | |
| 1185.000 | 24.11 | 3.29 | 35.26 | 60.91 | 53.05 | 74.00 | 20.95 | Peak |
| 1185.500 | 24.11 | 3.29 | 35.26 | 53.70 | 45.84 | 54.00 | 8.16 | Average |
| 1492.000 | 25.60 | 3.79 | 35.00 | 61.79 | 56.18 | 74.00 | 17.82 | Peak |
| 1492.250 | 25.60 | 3.79 | 35.00 | 53.79 | 48.18 | 54.00 | 5.82 | Average |
| 1780.000 | 26.68 | 4.26 | 34.78 | 61.55 | 57.71 | 74.00 | 16.29 | Peak |
| 1780.650 | 26.68 | 4.26 | 34.78 | 51.55 | 47.71 | 54.00 | 6.29 | Average |
| | (MHz) 1185.000 1185.500 1492.000 1492.250 1780.000 | Freq. Factor (MHz) (dB/m) 1185.000 24.11 1185.500 24.11 1492.000 25.60 1492.250 25.60 1780.000 26.68 | Freq. Factor Loss (MHz) (dB/m) (dB) 1185.000 24.11 3.29 1185.500 24.11 3.29 1492.000 25.60 3.79 1492.250 25.60 3.79 1780.000 26.68 4.26 | Freq. Factor Loss factor (MHz) (dB/m) (dB) (dBuV) 1185.000 24.11 3.29 35.26 1185.500 24.11 3.29 35.26 1492.000 25.60 3.79 35.00 1492.250 25.60 3.79 35.00 1780.000 26.68 4.26 34.78 | Freq. Factor Loss factor Reading (MHz) (dB/m) (dB) (dBuV) (dBuV/m) 1185.000 24.11 3.29 35.26 60.91 1185.500 24.11 3.29 35.26 53.70 1492.000 25.60 3.79 35.00 61.79 1492.250 25.60 3.79 35.00 53.79 1780.000 26.68 4.26 34.78 61.55 | Freq. Factor Loss factor Reading Level (MHz) (dB/m) (dB) (dBuV) (dBuV/m) (dBuV/m) 1185.000 24.11 3.29 35.26 60.91 53.05 1185.500 24.11 3.29 35.26 53.70 45.84 1492.000 25.60 3.79 35.00 61.79 56.18 1492.250 25.60 3.79 35.00 53.79 48.18 1780.000 26.68 4.26 34.78 61.55 57.71 | Freq. (MHz) Factor (dB/m) Loss (dBuV) factor (dBuV/m) Reading (dBuV/m) Level (dBuV/m) Limits (dB) 1185.000 24.11 3.29 35.26 60.91 53.05 74.00 1185.500 24.11 3.29 35.26 53.70 45.84 54.00 1492.000 25.60 3.79 35.00 61.79 56.18 74.00 1492.250 25.60 3.79 35.00 53.79 48.18 54.00 1780.000 26.68 4.26 34.78 61.55 57.71 74.00 | Freq. (MHz) Factor (dB/m) Loss (dB) factor (dBuV) Reading (dBuV/m) Level (dBuV/m) Limits (dB) Margin (dB) 1185.000 24.11 3.29 35.26 60.91 53.05 74.00 20.95 1185.500 24.11 3.29 35.26 53.70 45.84 54.00 8.16 1492.000 25.60 3.79 35.00 61.79 56.18 74.00 17.82 1492.250 25.60 3.79 35.00 53.79 48.18 54.00 5.82 1780.000 26.68 4.26 34.78 61.55 57.71 74.00 16.29 |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading $-\mathrm{Amp}$ Factor

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Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

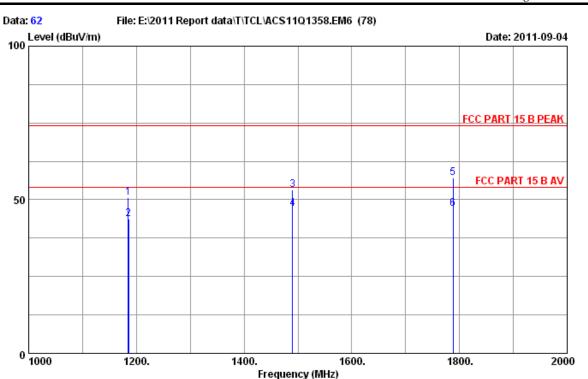
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 1:1920*1080@60Hz

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Site no. : 3m Chamber Data no. : 62

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

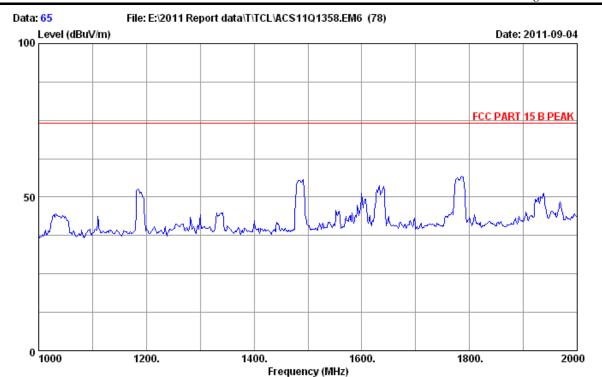
HDMI 1:1920*1080@60Hz

| | | Ant. | Cable | AMP | | Emission | | | |
|-----|----------|--------|----------|--------|----------|----------|----------|-------|---------|
| No. | Freq. | Factor | Loss | factor | Reading | Level | Limits | _ | Remark |
| | (MHz) | (dB/m) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | |
| 1 | 1185.000 | 24.11 | 3.29 | 35.26 | 58.67 | 50.81 | 74.00 | 23.19 | Peak |
| 2 | 1185.680 | 24.11 | 3.29 | 35.26 | 51.58 | 43.72 | 54.00 | 10.28 | Average |
| 3 | 1490.000 | 25.60 | 3.79 | 35.00 | 58.77 | 53.16 | 74.00 | 20.84 | Peak |
| 4 | 1490.330 | 25.60 | 3.79 | 35.00 | 52.74 | 47.13 | 54.00 | 6.87 | Average |
| 5 | 1788.000 | 26.68 | 4.29 | 34.76 | 60.76 | 56.97 | 74.00 | 17.03 | Peak |
| 6 | 1788.470 | 26.68 | 4.29 | 34.76 | 50.74 | 46.95 | 54.00 | 7.05 | Average |

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

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

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Site no. : site Data no. : 65

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

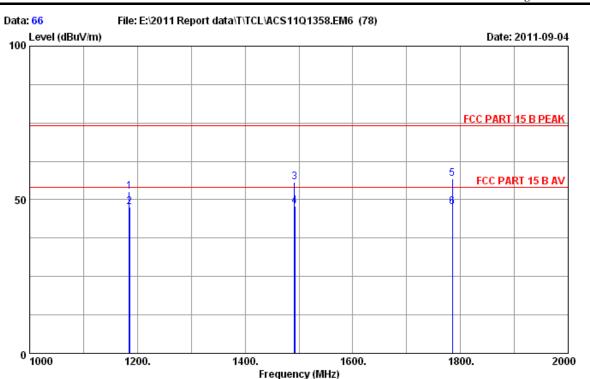
Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200 Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 2:1920*1080@60Hz

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Site no. : site Data no. : 66

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

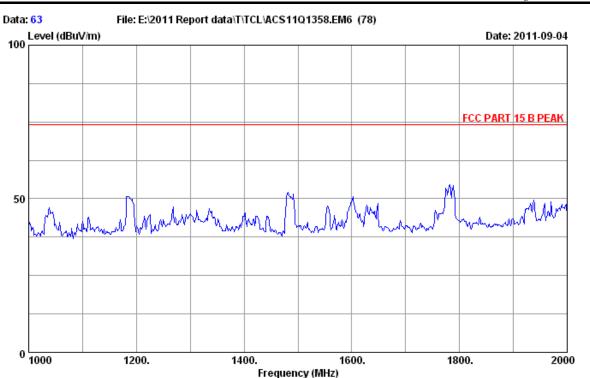
HDMI 2:1920*1080@60Hz

| | | Ant. | Cable | AMP | | Emission | | | |
|-----|----------|--------|-------|--------|----------|----------|--------|--------|---------|
| No. | Freq. | Factor | Loss | factor | Reading | Level | Limits | Margin | Remark |
| | (MHz) | (dB/m) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | |
| | | | | | | | | | |
| 1 | 1185.000 | 24.11 | 3.29 | 35.26 | 60.64 | 52.78 | 74.00 | 21.22 | Peak |
| 2 | 1185.250 | 24.11 | 3.29 | 35.26 | 55.60 | 47.74 | 54.00 | 6.26 | Average |
| 3 | 1492.000 | 25.60 | 3.79 | 35.00 | 61.43 | 55.82 | 74.00 | 18.18 | Peak |
| 4 | 1492.320 | 25.60 | 3.79 | 35.00 | 53.48 | 47.87 | 54.00 | 6.13 | Average |
| 5 | 1785.000 | 26.68 | 4.29 | 34.78 | 60.57 | 56.76 | 74.00 | 17.24 | Peak |
| 6 | 1785.170 | 26.68 | 4.29 | 34.78 | 51.51 | 47.70 | 54.00 | 6.30 | Average |

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

-Amp Factor

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Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

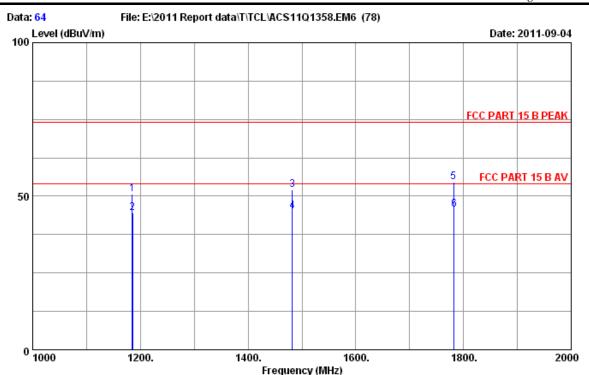
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 2:1920*1080@60Hz

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Site no. : 3m Chamber Data no. : 64 Ant. pol. : VERTICAL

Dis. / Ant. : 3m 2011 3115 9607-4877

: FCC PART 15 B PEAK Limit

Env. / Ins. : 24*C/56% Engineer : Cary Luo

: LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

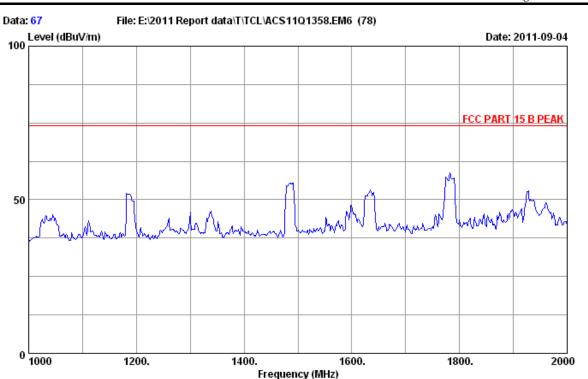
Test Mode : Running H Pattern And 1KHz Playing

HDMI 2:1920*1080@60Hz

| | | Ant. | Cable | AMP | | Emission | | | |
|-----|----------------|------------------|--------------|------------------|---------------------|-------------------|----------------|----------------|---------|
| No. | Freq. (MHz) | Factor (dB/m) | Loss (dB) | factor (dBuV) | Reading (dBuV/m) | Level (dBuV/m) | Limits (dB) | Margin (dB) | Remark |
| 1 | 1185.000 | 24.11 | 3.29 | 35.26 | 58.60 | 50.74 | 74.00 | 23.26 | Peak |
| 2 | 1185.360 | 24.11 | 3.29 | 35.26 | 52.50 | 44.64 | 54.00 | 9.36 | Average |
| 3 | 1482.000 | 25.52 | 3.79 | 35.02 | 57.79 | 52.08 | 74.00 | 21.92 | Peak |
| 4 | 1482.480 | 25.52 | 3.79 | 35.02 | 50.70 | 44.99 | 54.00 | 9.01 | Average |
| 5 | 1782.000 | 26.68 | 4.26 | 34.78 | 58.55 | 54.71 | 74.00 | 19.29 | Peak |
| 6 | 1782.550 | 26.68 | 4.29 | 34.78 | 49.55 | 45.74 | 54.00 | 8.26 | Average |

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

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Site no. : 3m Chamber Data no. : 67

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

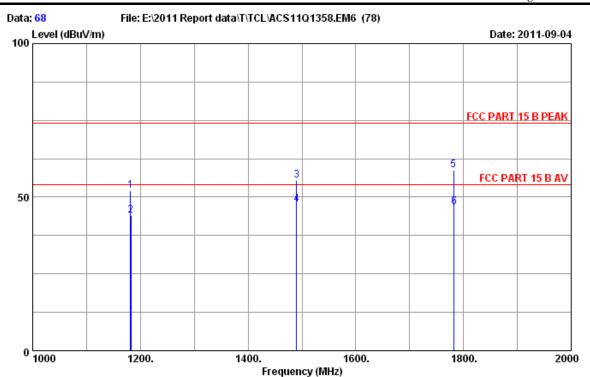
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 3:1920*1080@60Hz

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Site no. : 3m Chamber Data no. : 68

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200 Power Rating : AC 120V/60Hz

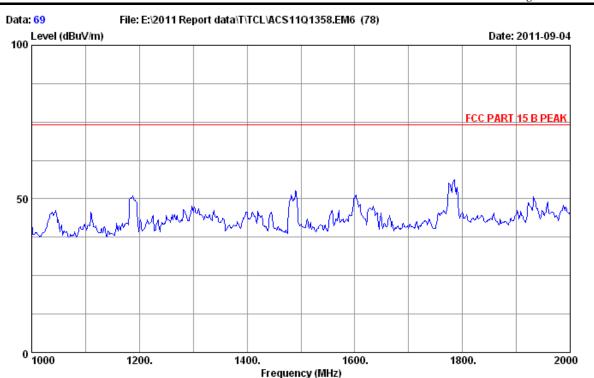
Test Mode : Running H Pattern And 1KHz Playing

HDMI 3:1920*1080@60Hz

| 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 | 1182.000 | 24.11 | 3.29 | 35.26 | 59.84 | 51.98 | 74.00 | 22.02 | Peak |
| 2 | 1182.220 | 24.11 | 3.29 | 35.26 | 51.81 | 43.95 | 54.00 | 10.05 | Average |
| 3 | 1490.000 | 25.60 | 3.79 | 35.00 | 61.09 | 55.48 | 74.00 | 18.52 | Peak |
| 4 | 1490.170 | 25.60 | 3.79 | 35.00 | 53.12 | 47.51 | 54.00 | 6.49 | Average |
| 5 | 1782.000 | 26.68 | 4.26 | 34.78 | 62.59 | 58.75 | 74.00 | 15.25 | Peak |
| 6 | 1782.690 | 26.68 | 4.29 | 34.78 | 50.58 | 46.77 | 54.00 | 7.23 | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading $-\mathrm{Amp}$ Factor

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Site no. : site Data no. : 69
Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

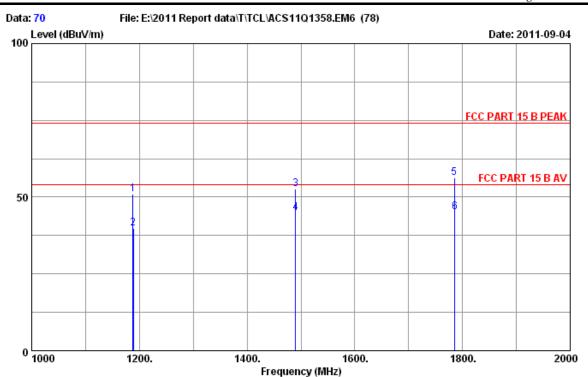
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 3:1920*1080@60Hz

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Site no. : site Data no. : 70

Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

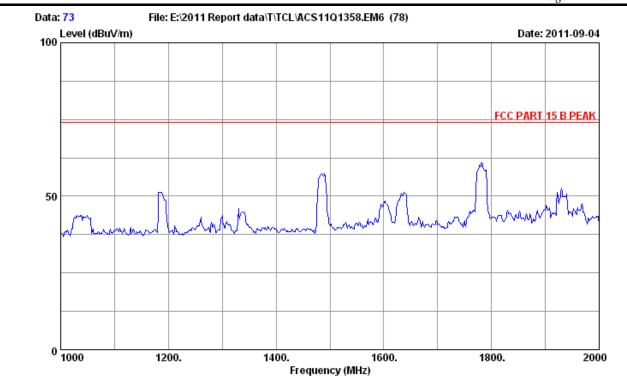
Test Mode : Running H Pattern And 1KHz Playing

HDMI 3:1920*1080@60Hz

| 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 | 1188.000 | 24.11 | 3.29 | 35.24 | 58.76 | 50.92 | 74.00 | 23.08 | Peak |
| 2 | 1188.560 | 24.11 | 3.29 | 35.24 | 47.73 | 39.89 | 54.00 | 14.11 | Average |
| 3 | 1490.000 | 25.60 | 3.79 | 35.00 | 58.31 | 52.70 | 74.00 | 21.30 | Peak |
| 4 | 1490.290 | 25.60 | 3.79 | 35.00 | 50.37 | 44.76 | 54.00 | 9.24 | Average |
| 5 | 1785.000 | 26.68 | 4.29 | 34.78 | 59.97 | 56.16 | 74.00 | 17.84 | Peak |
| 6 | 1785.580 | 26.68 | 4.29 | 34.78 | 48.89 | 45.08 | 54.00 | 8.92 | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading $-\mathrm{Amp}$ Factor

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Site no. : site

Data no. : 73 Ant. pol. : HORIZONTAL Dis. / Ant. : 3m 2011 3115 9607-4877

: FCC PART 15 B PEAK Limit

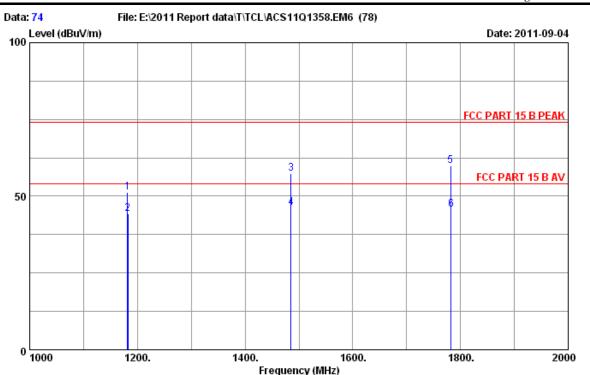
Env. / Ins. : 24*C/56% Engineer : Cary Luo

: LED TV M/N:LE40FHDE5200 Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 4:1920*1080@60Hz

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Site no. : site

Data no. : 74 Ant. pol. : HORIZONTAL Dis. / Ant. : 3m 2011 3115 9607-4877

: FCC PART 15 B PEAK Limit

Env. / Ins. : 24*C/56% Engineer : Cary Luo

: LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

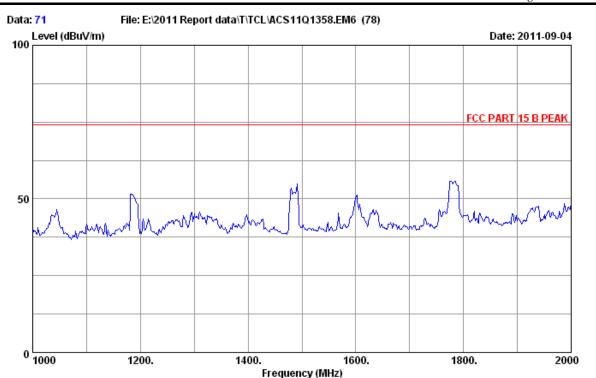
Test Mode : Running H Pattern And 1KHz Playing

HDMI 4:1920*1080@60Hz

| | | Ant. | Cable | AMP | | Emission | | | |
|-----|----------------|------------------|--------------|------------------|---------------------|-------------------|----------------|----------------|---------|
| No. | Freq. (MHz) | Factor (dB/m) | Loss (dB) | factor (dBuV) | Reading (dBuV/m) | Level (dBuV/m) | Limits (dB) | Margin (dB) | Remark |
| | | | | | | | | | |
| 1 | 1182.000 | 24.11 | 3.29 | 35.26 | 59.15 | 51.29 | 74.00 | 22.71 | Peak |
| 2 | 1182.470 | 24.11 | 3.29 | 35.26 | 52.19 | 44.33 | 54.00 | 9.67 | Average |
| 3 | 1485.000 | 25.60 | 3.79 | 35.02 | 63.04 | 57.41 | 74.00 | 16.59 | Peak |
| 4 | 1485.580 | 25.60 | 3.79 | 35.02 | 51.75 | 46.12 | 54.00 | 7.88 | Average |
| 5 | 1782.000 | 26.68 | 4.26 | 34.78 | 63.74 | 59.90 | 74.00 | 14.10 | Peak |
| 6 | 1782.540 | 26.68 | 4.29 | 34.78 | 49.49 | 45.68 | 54.00 | 8.32 | Average |

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

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Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL

Limit : FCC PART 15 B PEAK

Env. / Ins. : 24*C/56% Engineer : Cary Luo

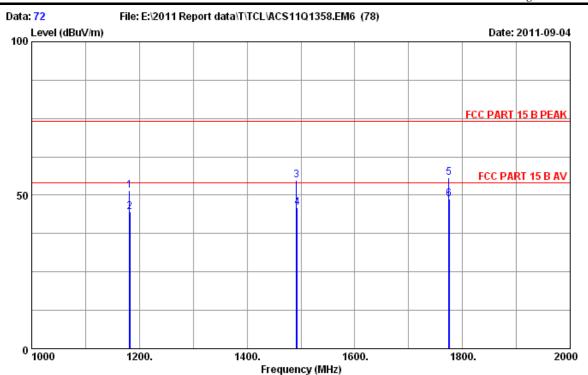
EUT : LED TV M/N:LE40FHDE5200

Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 4:1920*1080@60Hz

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Site no. : 3m Chamber

Data no. : 72 Ant. pol. : VERTICAL Dis. / Ant. : 3m 2011 3115 9607-4877

: FCC PART 15 B PEAK Limit

Env. / Ins. : 24*C/56% Engineer : Cary Luo

: LED TV M/N:LE40FHDE5200 EUT

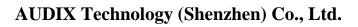
Power Rating : AC 120V/60Hz

Test Mode : Running H Pattern And 1KHz Playing

HDMI 4:1920*1080@60Hz

| | | Ant. | Cable | AMP | | Emission | | | |
|-----|----------|--------|-------|--------|----------|----------|--------|--------|---------|
| No. | Freq. | Factor | Loss | factor | Reading | Level | Limits | Margin | Remark |
| | (MHz) | (dB/m) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | |
| | | | | | | | | | |
| 1 | 1182.000 | 24.11 | 3.29 | 35.26 | 59.43 | 51.57 | 74.00 | 22.43 | Peak |
| 2 | 1182.580 | 24.11 | 3.29 | 35.26 | 52.49 | 44.63 | 54.00 | 9.37 | Average |
| 3 | 1492.000 | 25.60 | 3.79 | 35.00 | 60.57 | 54.96 | 74.00 | 19.04 | Peak |
| 4 | 1492.870 | 25.60 | 3.79 | 35.00 | 51.57 | 45.96 | 54.00 | 8.04 | Average |
| 5 | 1775.000 | 26.68 | 4.26 | 34.78 | 59.65 | 55.81 | 74.00 | 18.19 | Peak |
| 6 | 1775.170 | 26.68 | 4.26 | 34.78 | 52.59 | 48.75 | 54.00 | 5.25 | Average |
| | | | | | | | | | |

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





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| 5. DEVIATION TO TEST SPECIFICATIONS [NONE] |
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