APPLICATION OF CERTIFICATION
For

TTE Technology Inc.

LCD TV

Brand Name	Model Number
TCL	L32HDM11
	L32HDF11TA

FCC ID: W8UL32HDF11TA

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

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Report Number : ACS- F10113-2
Date of Test : Jul.25, 2011
Date of Report : Aug.10, 2011

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Test Report Certification

TEST REPORT CERTIFICATION

Applicant	:	TTE Technology Inc.
Manufacturer	:	TCL King Electrical Appliances (Huizhou) Co., Ltd.
EUT Description	:	LCD TV
FCC ID	:	W8UL32HDF11TA

(A) Model No. & Brand Name :

Brand Name	Model Number
TCL	L32HDM11
	L32HDF11TA

(B) Serial No. : N/A

(C) Test Voltage : AC 120V/60Hz

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart B Class B 2010, ANSI C63.4-2003
ICES-003 Issue 4 February 2004.

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both conducted and radiated emissions. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed of full responsibility for the accuracy and completeness of these tests. 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.25, 2011 Report of date: Aug.10, 2011

Prepared by : Blove Ye
Blove Ye / Assistant

Reviewer by :
Sunny Lu / Supervisor

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 19 vi

Approved & Authorized Signer :
Ken Lu / Manager

1. DESCRIPTION OF VERSION

Edition No.	Date of Rev.	Summary	Report No.
0	May.31, 2010	Original Report	ACS-F10113
REV.1	Jan.11, 2011	To add one new Model: L32HDM11	ACS- F10113-1
REV.2	Aug.10, 2011	1. Modify Power Board from: PWL3222 to PW152C2 2. Supplementary test data are recorded in this report	ACS- F10113-2

Remark for Rev.2:

1. This report is an additional version with original report number ACS- F10113 & ACS-F10113-1.
2. Through evaluation of the above difference, the conducted and radiated emission tests needed to be re-performed. The EUT was retested and all the test data were recorded in this report.
3. This report is based on report of ACS-F10113 & ACS-F10113-1.

2. SUMMARY OF STANDARDS AND RESULTS

2.1.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: 2010 ANSI C63.4: 2003	Class B	PASS
Radiated Emission Test	FCC Part 15: 2010 ANSI C63.4: 2003	Class B	PASS

3. GENERAL INFORMATION

3.1.Description of Device (EUT)

Description : LCD TV

Model Number :

Brand Name	Model Number
TCL	L32HDM11 L32HDF11TA

FCC ID : W8UL32HDF11TA

Frequencies used and generated within device :

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

Applicant : TTE Technology Inc.
5541 W. 74th St, Indianapolis, IN 46268, U.S.A.

Manufacturer : TCL King Electrical Appliances (Huizhou) Co., Ltd.
Section 19, Zhongkai Development Zone for New & High-Level Tech Industries, Huizhou, Guangdong Province, China, 516006.

Power Cord : Unshielded, Undetachable, 1.5m

Date of Test : Jul.25, 2011

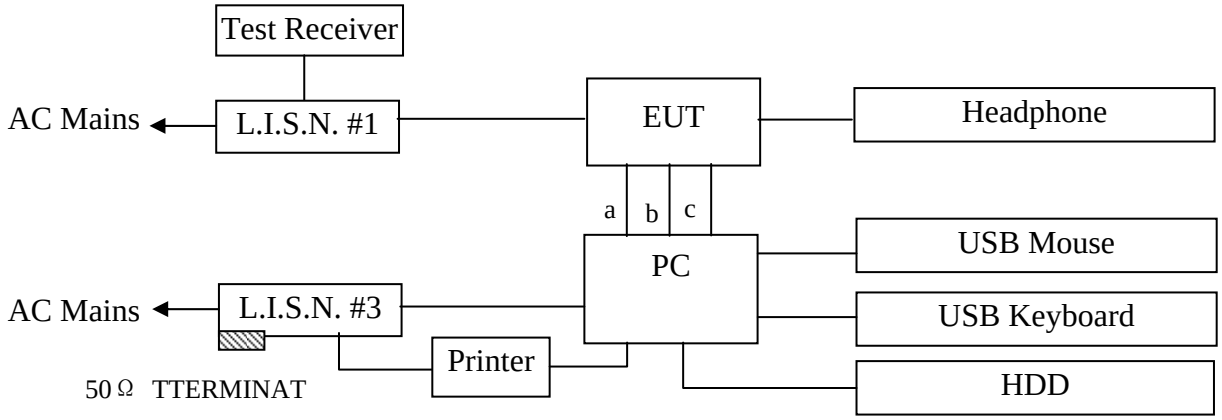
Date of Receipt : Jul.24, 2011

Sample Type : Prototype production

3.2.Tested Supporting System Details

	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	Personal Computer	Test PC P	DELL	Studio 540	124XK2X	☑FCC DoC ☑BSMI ID:R33002
		Power Cord: Unshielded, Detachable, 1.8m Display Card: HD3450 (DVI+VGA+HDMI)				
2.	USB Keyboard	ACS-EMC- K04R	DELL	SK-8115	CN-ODJ313-71616-6BB-049J	☑ FCC DoC ☑BSMI ID: T3A002
		Power Cord: shielded, Undetachable, 2.0m				
3.	Printer	ACS-EMC-PT04	HP	C9079A	N/A	☑FCC DoC ☑BSMI ID: R33001
		USB Cable: Shielded, Detachabled, 1.8m Power Cord: Unshielded, Detachabled, 1.8m DC Cable: Unshielded, Undetachabled, 0.95m				
4.	USB Mouse	ACS-EMC-M05R	Lenovo	M028UOL	44N1421	☑ FCC DoC ☑BSMI ID: R41108
		Power Cord: shielded, Undetachable, 1.8m				
5.	HDD	ACS-EMC-HDD04	Terasys	F12-UF	A0100215-5390002	☑FCC DoC ☑BSMI ID: 4912A022
		USB Cable: Shielded, Detachable, 1.8m				
6.	Headphone	ACS-EMC-EP03	OVANN	OV880V	N/A	☐FCC ID ☐BSMI ID
		Cable: Shielded, Undetachabled, 4.0m				
7.	HDMI Cable	Shielded, Detachable, 1.4m				
8.	VGA Cable	Shielded, Detachable, 1.4m				
9.	Audio Cable	Unshielded, Detachable, 1.7m				

3.3.Block diagram of connection between the EUT and simulators



a: Audio Cable
b: HDMI
c: VGA Cable

(EUT: LCD TV)

3.4.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 Industry Canada
Registration Number: IC 5183A-1
Valid Date: Jun.13, 2014

: 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

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

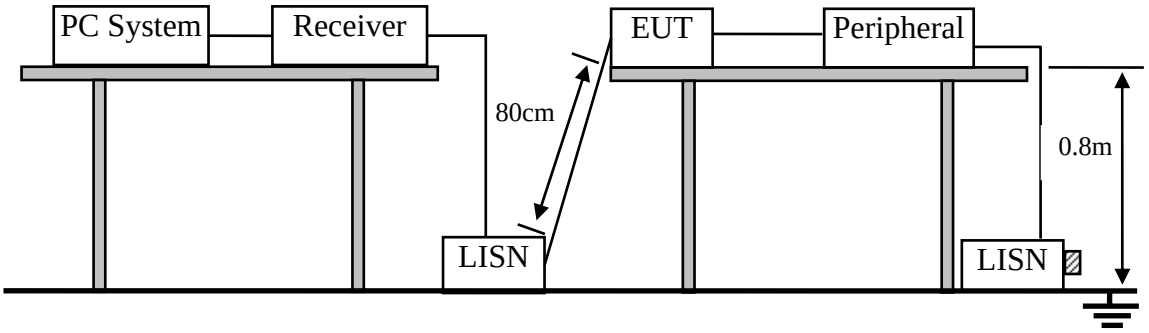
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.2 dB(150kHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6 dB(30~200MHz, Polarize: H)
	3.7 dB(30~200MHz, Polarize: V)
	4.0 dB(200M~1GHz, Polarize: H)
	3.7 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	3.1dB (Polarize: V)
	3.7 dB (Polarize: H)
Uncertainty for test site temperature and humidity	0.6℃
	3%

4. POWER LINE CONDUCTED EMISSION TEST

4.1. 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, 11	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

4.2. Block Diagram of Test Setup



▨ :50Ω Terminator

4.3. 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.

4.4. 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.

4.4.1. LCD TV (EUT)

Model Number : L32HDM11
Serial Number : N/A

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

4.5. Operating Condition of EUT

4.5.1. Setup the EUT and simulator as shown as 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 1kHz Playing 640*480 60Hz/ Running “H” Pattern and 1kHz Playing 800*600 60Hz / Running “H” Pattern and 1kHz Playing 1024*768 60Hz / HDMI 1080P) , use white letters on a black background, set the contrast control to maximum, set the brightness control to maximum and measure it.

4.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2003 on conducted Emission test.

The bandwidth of test receiver (R&S TEST RECEIVER ESHS10) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 4.7.

4.7. 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 and Average values, all the test results are listed in next pages.

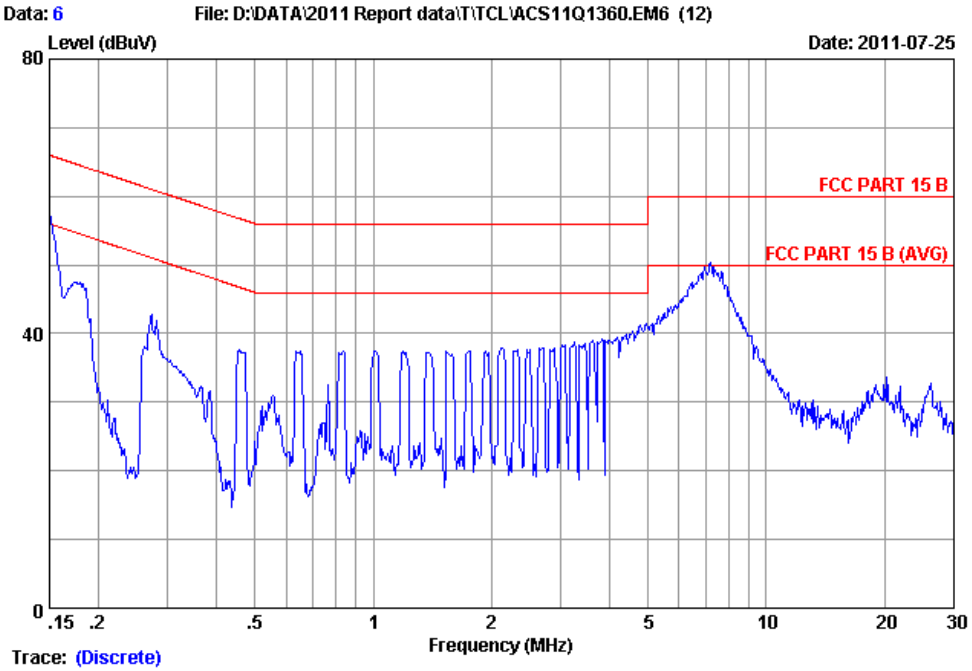
EUT: LCD TV Model No. : L32HDM11

Test Date: Jul.25, 2011 Temperature: 29.5℃ Humidity: 55%

The details of test modes are as follows：

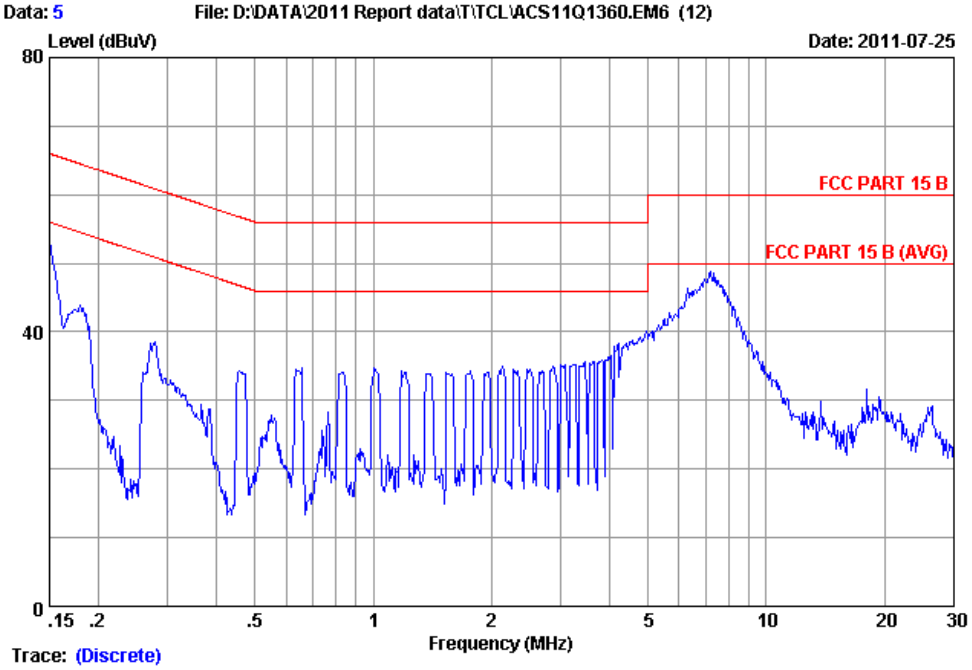
No.	Test Mode	Resolution & Frequency	Reference Test Data No.	
			LINE	NEUTRAL
1.	VGA	640*480 @60Hz	#6	#5
2.		800*600 @ 60Hz	#3	#4
3.		1024*768 @60Hz	#2	#1
4.	HDMI 1	1080P	#7	#8
5.	HDMI 2	1080P	#10	#9
6. ※	**HDMI 3**	**1080P**	**#11**	**#12**

(※ Worst test mode)



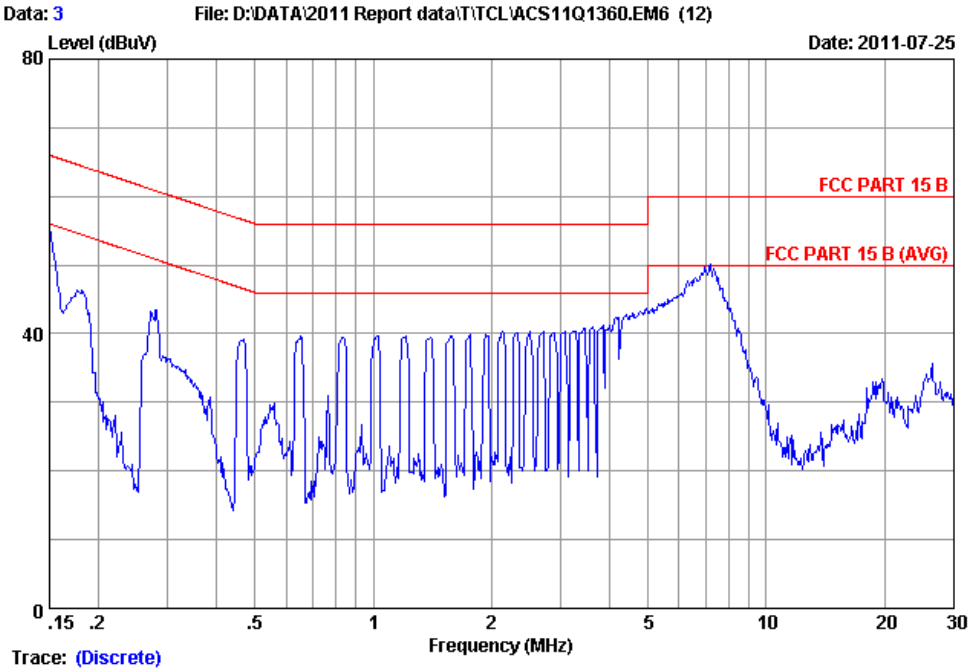
Trace: (Discrete)

Site no	:1#conduction	Data No	:6
Dis./Ant.	:** 2011 ESH2-Z5 LINE		
Limit	:FCC PART 15 B		
Env./Ins.	:29.5*C/55%	Engineer	:Levi
EUT	:LCD TV M/N:L32HDM11		
Power Rating	:AC 120V/60Hz		
Test Mode	:Running "H" Pattern And 1KHz Playing VGA:640*480@60Hz		



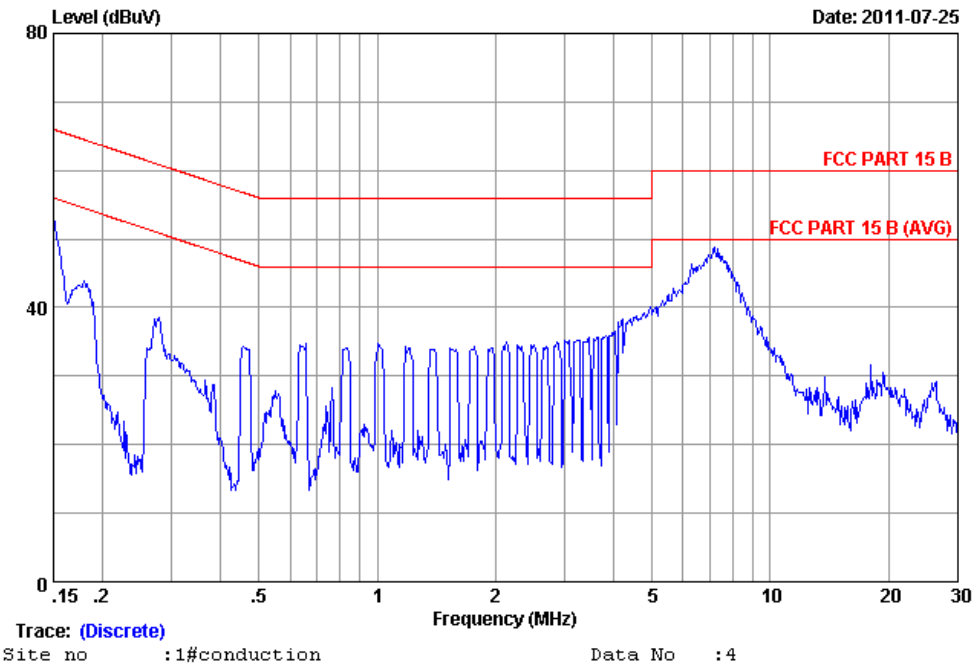
Trace: (Discrete)

Site no	:1#conduction	Data No	:5
Dis./Ant.	:** 2011 ESH2-Z5 NEUTRAL		
Limit	:FCC PART 15 B		
Env./Ins.	:29.5*C/55%	Engineer	:Levi
EUT	:LCD TV M/N:L32HDM11		
Power Rating	:AC 120V/60Hz		
Test Mode	:Running "H" Pattern And 1KHz Playing VGA:640*480@60Hz		



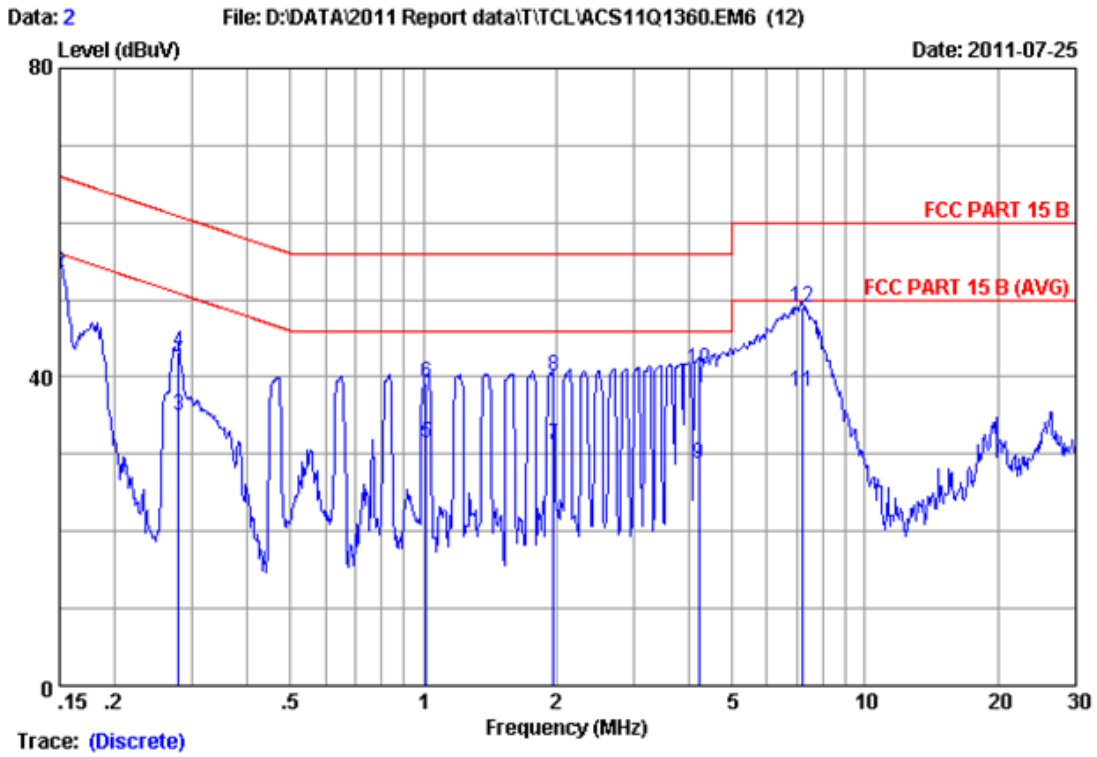
Trace: (Discrete)

Site no	:1#conduction	Data No	:3
Dis./Ant.	:** 2011 ESH2-Z5 LINE		
Limit	:FCC PART 15 B		
Env./Ins.	:29.5*C/55%	Engineer	:Levi
EUT	:LCD TV M/N:L32HDM11		
Power Rating	:AC 120V/60Hz		
Test Mode	:Running "H" Pattern And 1KHz Playing VGA:800*600@60Hz		



Trace: (Discrete)

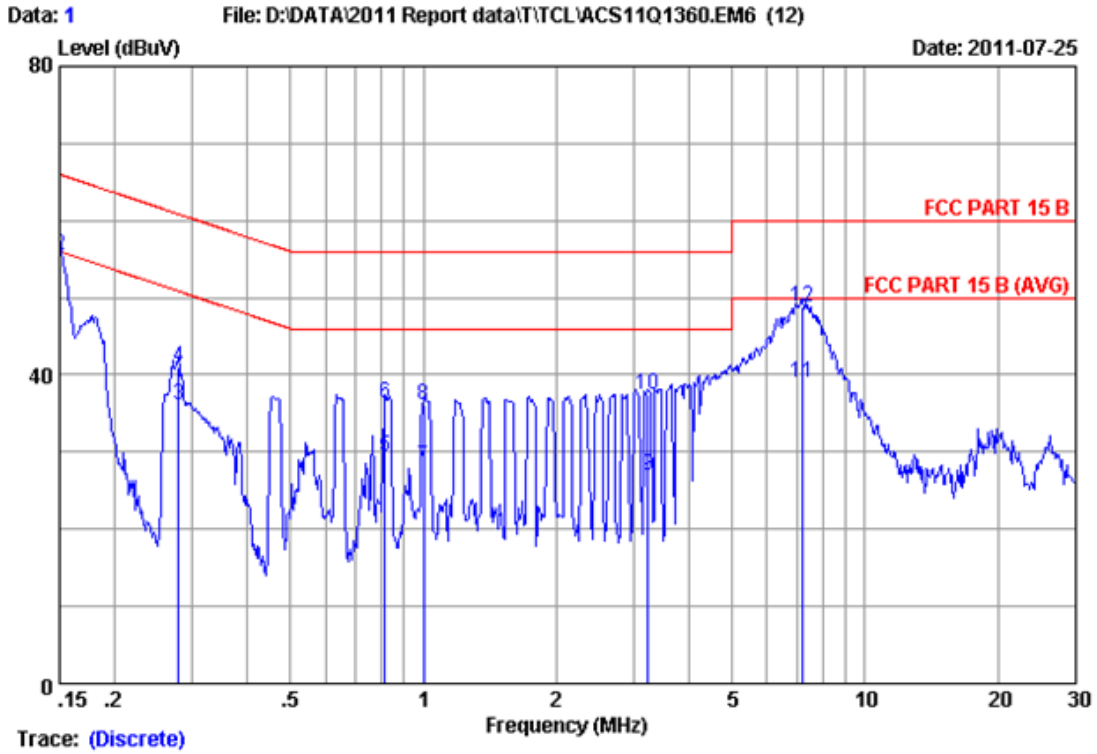
Site no	:1#conduction	Data No	:4
Dis./Ant.	:** 2011 ESH2-Z5 NEUTRAL		
Limit	:FCC PART 15 B		
Env./Ins.	:29.5*C/55%	Engineer	:Levi
EUT	:LCD TV M/N:L32HDM11		
Power Rating	:AC 120V/60Hz		
Test Mode	:Running "H" Pattern And 1KHz Playing VGA:800*600@60Hz		



Site no :1#conduction Data No :2
Dis./Ant. :** 2011 ESH2-Z5 LINE
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
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	0.15000	0.17	9.98	26.31	36.46	56.00	19.54	Average
2	0.15000	0.17	9.98	43.41	53.56	66.00	12.44	QP
3	0.27881	0.18	9.98	24.80	34.96	50.85	15.89	Average
4	0.27881	0.18	9.98	33.16	43.32	60.85	17.53	QP
5	1.016	0.23	9.98	21.26	31.47	46.00	14.53	Average
6	1.016	0.23	9.98	29.10	39.31	56.00	16.69	QP
7	1.970	0.31	9.96	21.00	31.27	46.00	14.73	Average
8	1.970	0.31	9.96	29.80	40.07	56.00	15.93	QP
9	4.202	0.35	9.94	18.50	28.79	46.00	17.21	Average
10	4.202	0.35	9.94	30.70	40.99	56.00	15.01	QP
11	7.213	0.48	9.92	27.80	38.20	50.00	11.80	Average
12	7.213	0.48	9.92	38.70	49.10	60.00	10.90	QP

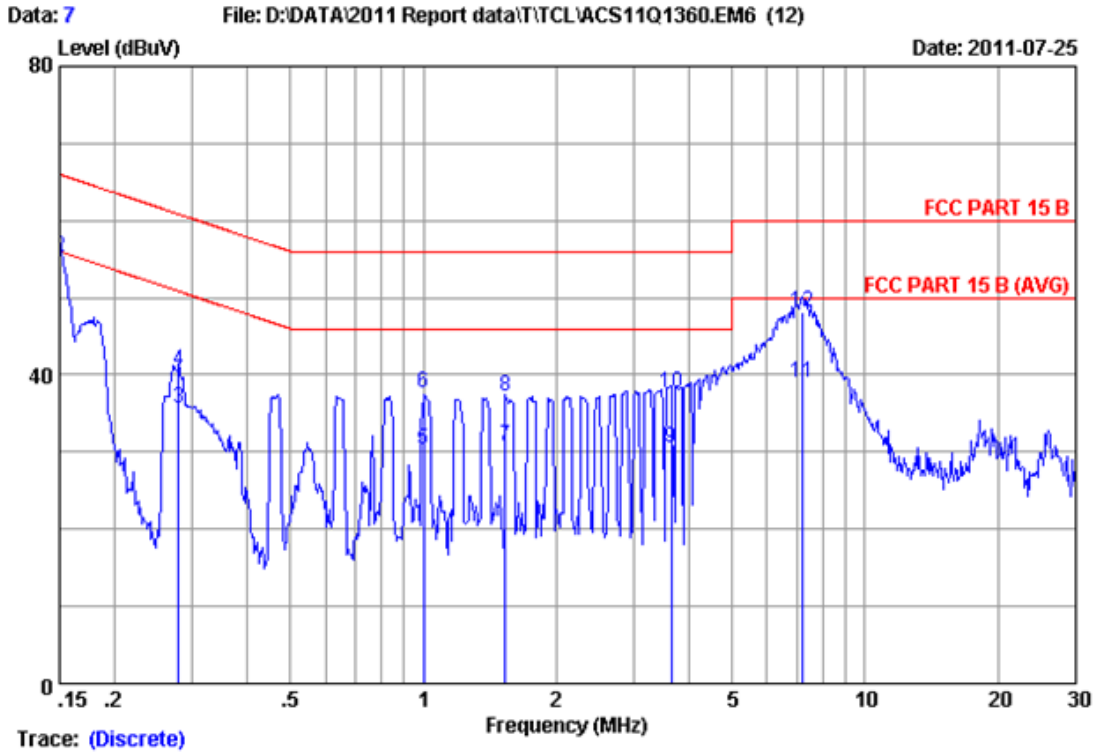
Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :1#conduction Data No :1
Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
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	0.15000	0.21	9.98	27.50	37.69	56.00	18.31	Average
2	0.15000	0.21	9.98	45.20	55.39	66.00	10.61	QP
3	0.27881	0.21	9.98	25.82	36.01	50.85	14.84	Average
4	0.27881	0.21	9.98	30.82	41.01	60.85	19.84	QP
5	0.81737	0.23	9.97	19.20	29.40	46.00	16.60	Average
6	0.81737	0.23	9.97	26.20	36.40	56.00	19.60	QP
7	0.99968	0.24	9.98	17.96	28.18	46.00	17.82	Average
8	0.99968	0.24	9.98	25.96	36.18	56.00	19.82	QP
9	3.224	0.29	9.95	16.80	27.04	46.00	18.96	Average
10	3.224	0.29	9.95	27.10	37.34	56.00	18.66	QP
11	7.213	0.39	9.92	28.70	39.01	50.00	10.99	Average
12	7.213	0.39	9.92	38.60	48.91	60.00	11.09	QP

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

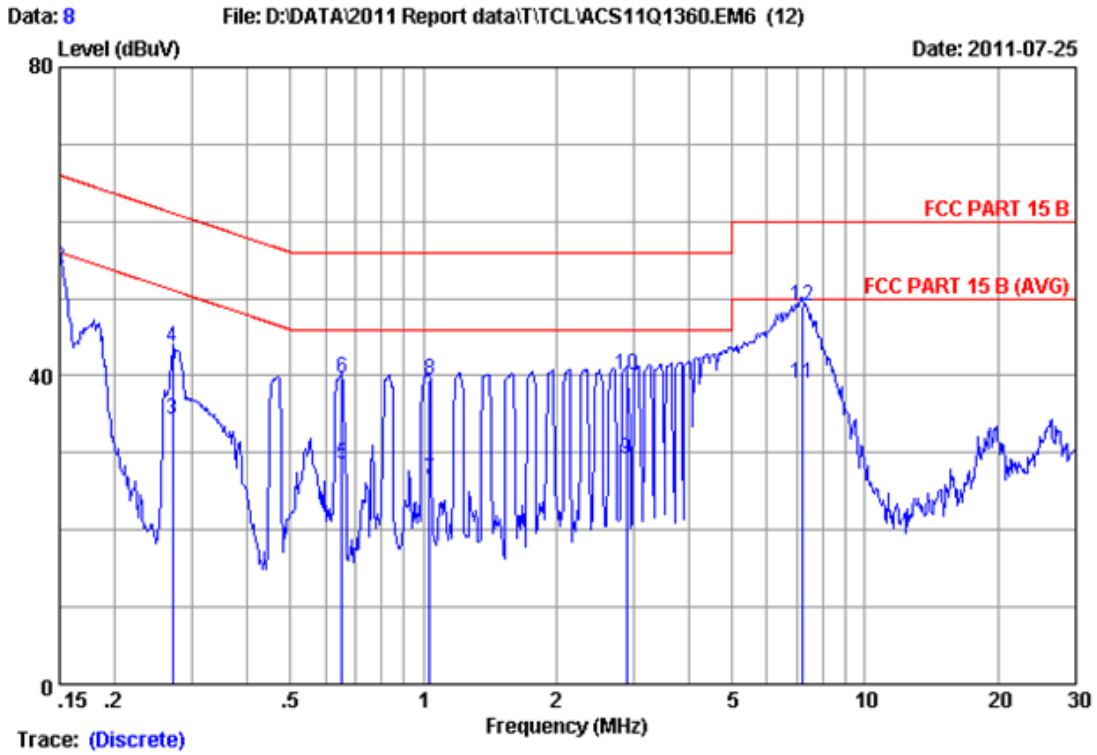


Trace: (Discrete)

Site no :1#conduction Data No :7
Dis./Ant. :** 2011 ESH2-Z5 LINE
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And 1KHz Playing
HDMI 1:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.17	9.98	27.21	37.36	56.00	18.64	Average
2	0.15000	0.17	9.98	45.21	55.36	66.00	10.64	QP
3	0.27881	0.18	9.98	25.40	35.56	50.85	15.29	Average
4	0.27881	0.18	9.98	30.40	40.56	60.85	20.29	QP
5	0.99968	0.23	9.98	20.10	30.31	46.00	15.69	Average
6	0.99968	0.23	9.98	27.50	37.71	56.00	18.29	QP
7	1.535	0.27	9.97	20.50	30.74	46.00	15.26	Average
8	1.535	0.27	9.97	26.90	37.14	56.00	18.86	QP
9	3.642	0.34	9.94	20.35	30.63	46.00	15.37	Average
10	3.642	0.34	9.94	27.35	37.63	56.00	18.37	QP
11	7.213	0.48	9.92	28.67	39.07	50.00	10.93	Average
12	7.213	0.48	9.92	37.67	48.07	60.00	11.93	QP

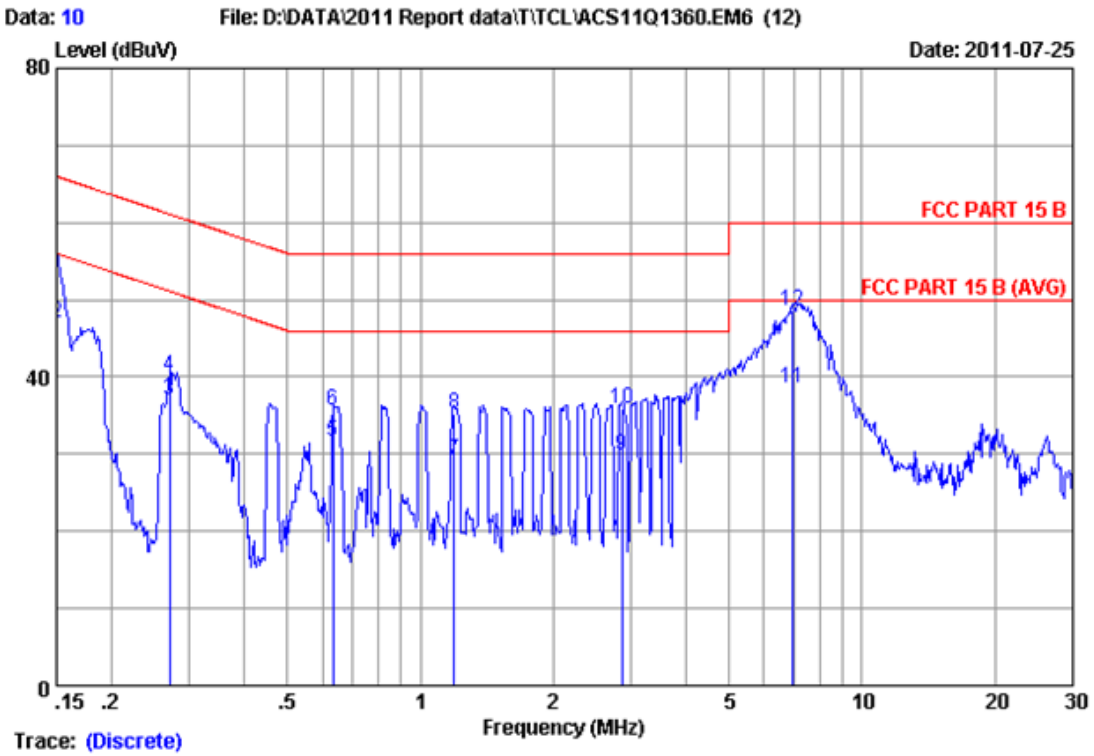
Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :1#conduction Data No :8
Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And 1KHz Playing
HDMI 1:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.21	9.98	26.60	36.79	56.00	19.21	Average
2	0.15000	0.21	9.98	43.70	53.89	66.00	12.11	QP
3	0.27009	0.21	9.98	24.20	34.39	51.12	16.73	Average
4	0.27009	0.21	9.98	33.40	43.59	61.12	17.53	QP
5	0.65430	0.23	9.97	18.40	28.60	46.00	17.40	Average
6	0.65430	0.23	9.97	29.50	39.70	56.00	16.30	QP
7	1.032	0.24	9.98	16.40	26.62	46.00	19.38	Average
8	1.032	0.24	9.98	29.30	39.52	56.00	16.48	QP
9	2.884	0.29	9.95	18.94	29.18	46.00	16.82	Average
10	2.884	0.29	9.95	29.94	40.18	56.00	15.82	QP
11	7.213	0.39	9.92	28.60	38.91	50.00	11.09	Average
12	7.213	0.39	9.92	38.80	49.11	60.00	10.89	QP

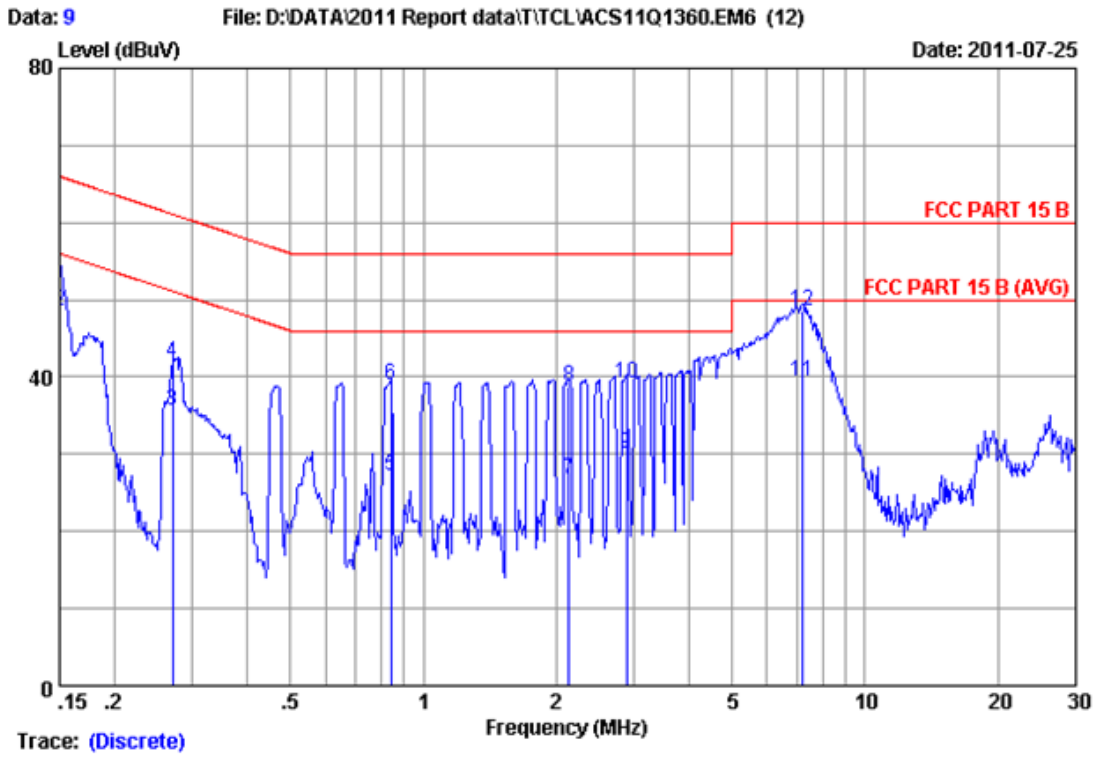
Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :1#conduction Data No :10
Dis./Ant. :** 2011 ESH2-Z5 LINE
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And 1KHz Playing
HDMI 2:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.17	9.98	32.92	43.07	56.00	12.93	Average
2	0.15000	0.17	9.98	36.92	47.07	66.00	18.93	QP
3	0.27009	0.18	9.98	26.92	37.08	51.12	14.04	Average
4	0.27009	0.18	9.98	29.92	40.08	61.12	21.04	QP
5	0.63383	0.19	9.97	21.47	31.63	46.00	14.37	Average
6	0.63383	0.19	9.97	25.47	35.63	56.00	20.37	QP
7	1.191	0.24	9.98	19.08	29.30	46.00	16.70	Average
8	1.191	0.24	9.98	25.08	35.30	56.00	20.70	QP
9	2.854	0.33	9.95	19.56	29.84	46.00	16.16	Average
10	2.854	0.33	9.95	25.56	35.84	56.00	20.16	QP
11	6.988	0.47	9.92	28.18	38.57	50.00	11.43	Average
12	6.988	0.47	9.92	38.18	48.57	60.00	11.43	QP

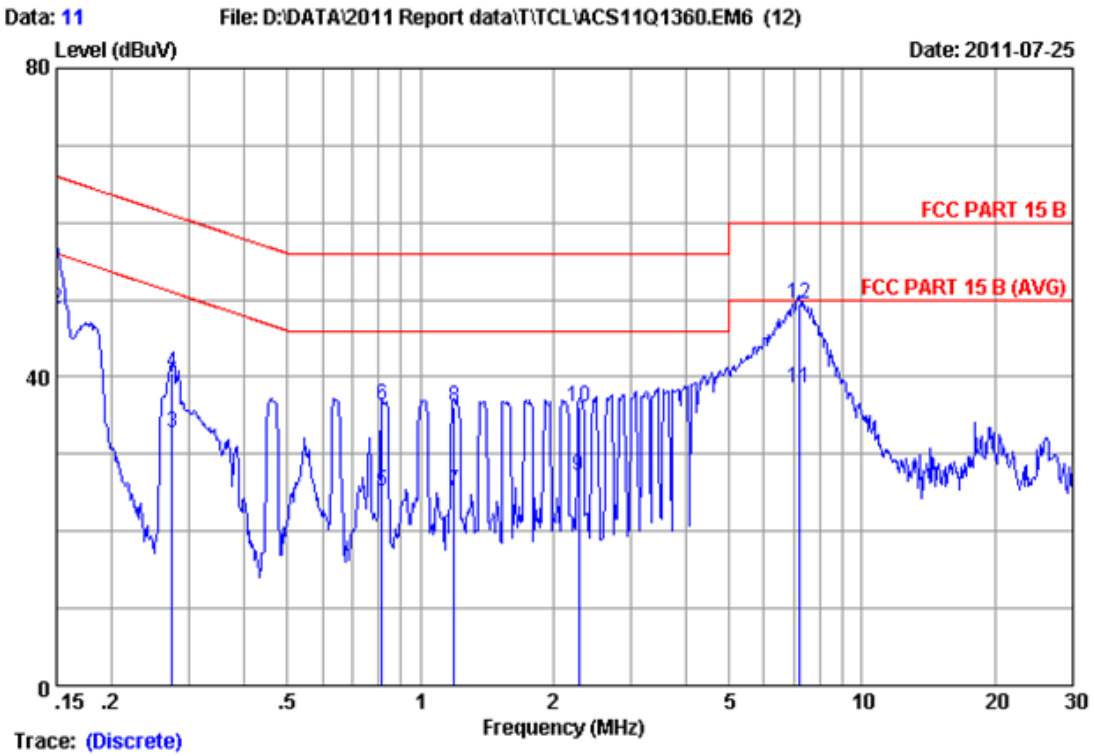
Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :1#conduction Data No :9
Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And 1KHz Playing
HDMI 2:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.21	9.98	33.20	43.39	56.00	12.61	Average
2	0.15000	0.21	9.98	38.40	48.59	66.00	17.41	QP
3	0.27009	0.21	9.98	25.40	35.59	51.12	15.53	Average
4	0.27009	0.21	9.98	31.80	41.99	61.12	19.13	QP
5	0.84378	0.23	9.98	16.90	27.11	46.00	18.89	Average
6	0.84378	0.23	9.98	28.80	39.01	56.00	16.99	QP
7	2.133	0.27	9.96	16.55	26.78	46.00	19.22	Average
8	2.133	0.27	9.96	28.55	38.78	56.00	17.22	QP
9	2.884	0.29	9.95	19.80	30.04	46.00	15.96	Average
10	2.884	0.29	9.95	28.90	39.14	56.00	16.86	QP
11	7.213	0.39	9.92	29.23	39.54	50.00	10.46	Average
12	7.213	0.39	9.92	38.23	48.54	60.00	11.46	QP

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

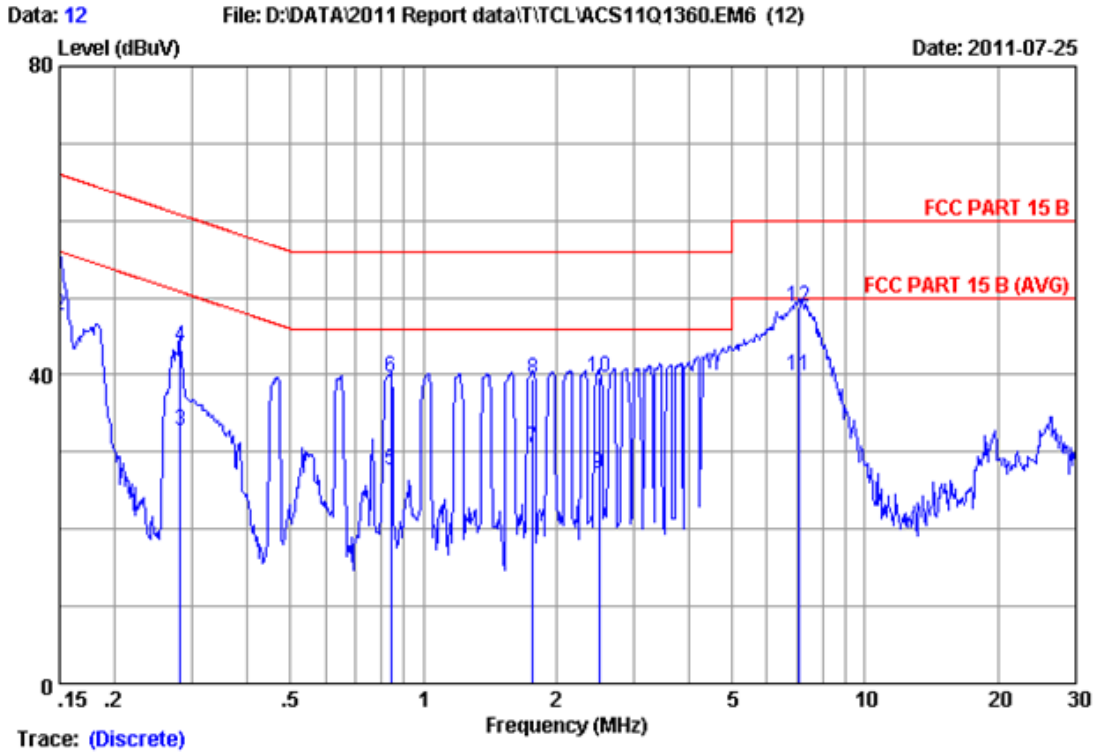


Trace: (Discrete)

Site no :1#conduction Data No :11
Dis./Ant. :** 2011 ESH2-Z5 LINE
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And 1KHz Playing
HDMI 3:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.17	9.98	33.91	44.06	56.00	11.94	Average
2	0.15000	0.17	9.98	38.71	48.86	66.00	17.14	QP
3	0.27442	0.18	9.98	22.50	32.66	50.98	18.32	Average
4	0.27442	0.18	9.98	30.50	40.66	60.98	20.32	QP
5	0.81737	0.21	9.97	15.03	25.21	46.00	20.79	Average
6	0.81737	0.21	9.97	26.03	36.21	56.00	19.79	QP
7	1.191	0.24	9.98	14.92	25.14	46.00	20.86	Average
8	1.191	0.24	9.98	25.92	36.14	56.00	19.86	QP
9	2.285	0.32	9.96	16.92	27.20	46.00	18.80	Average
10	2.285	0.32	9.96	25.92	36.20	56.00	19.80	QP
11	7.213	0.48	9.92	28.15	38.55	50.00	11.45	Average
12	7.213	0.48	9.92	39.15	49.55	60.00	10.45	QP

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



Trace: (Discrete)

Site no :1#conduction Data No :12
Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Levi
EUT :LCD TV M/N:L32HDM11
Power Rating :AC 120V/60Hz
Test Mode :Running "H" Pattern And 1KHz Playing
HDMI 3:1080P

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.21	9.98	32.41	42.60	56.00	13.40	Average
2	0.15000	0.21	9.98	37.41	47.60	66.00	18.40	QP
3	0.28178	0.21	9.98	22.54	32.73	50.76	18.03	Average
4	0.28178	0.21	9.98	33.54	43.73	60.76	17.03	QP
5	0.84378	0.23	9.98	17.38	27.59	46.00	18.41	Average
6	0.84378	0.23	9.98	29.38	39.59	56.00	16.41	QP
7	1.772	0.26	9.96	20.24	30.46	46.00	15.54	Average
8	1.772	0.26	9.96	29.24	39.46	56.00	16.54	QP
9	2.500	0.28	9.95	16.90	27.13	46.00	18.87	Average
10	2.500	0.28	9.95	29.40	39.63	56.00	16.37	QP
11	7.100	0.39	9.92	29.53	39.84	50.00	10.16	Average
12	7.100	0.39	9.92	38.53	48.84	60.00	11.16	QP

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

5. RADIATED EMISSION TEST

5.1.Test Equipment

5.1.1.For frequency range 30MHz~1000MHz

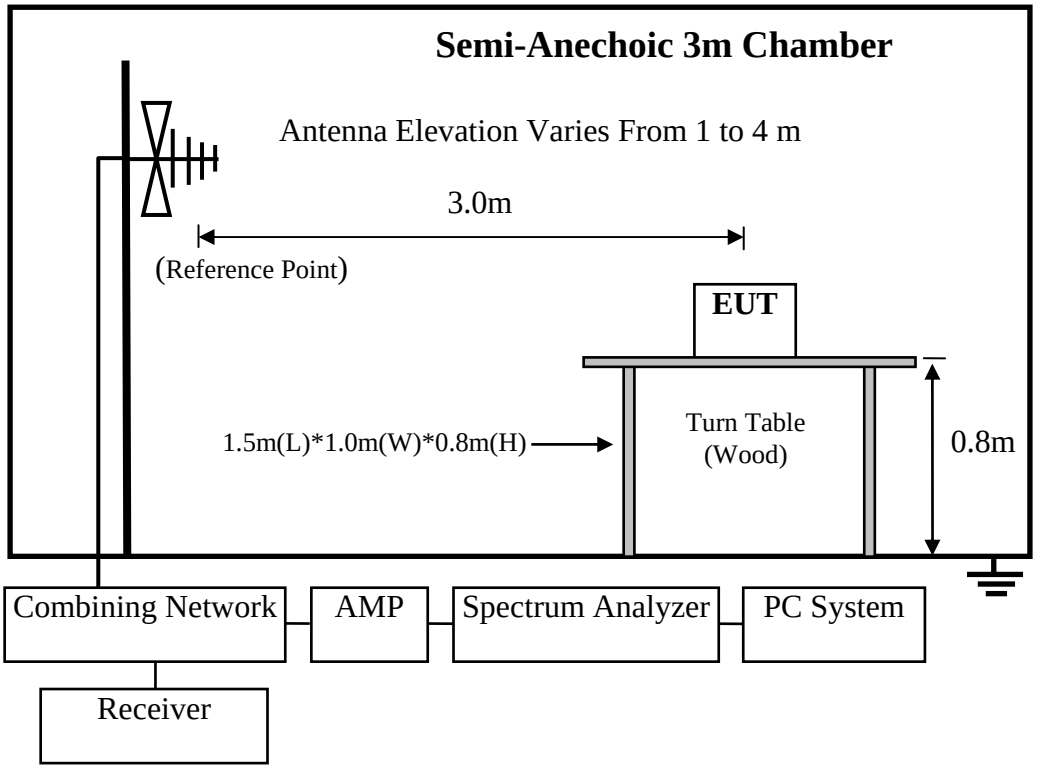
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.06,10	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 11	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 11	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 11	1 Year
5	Bilog 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

5.1.2.For frequency range 1GHz~2GHz

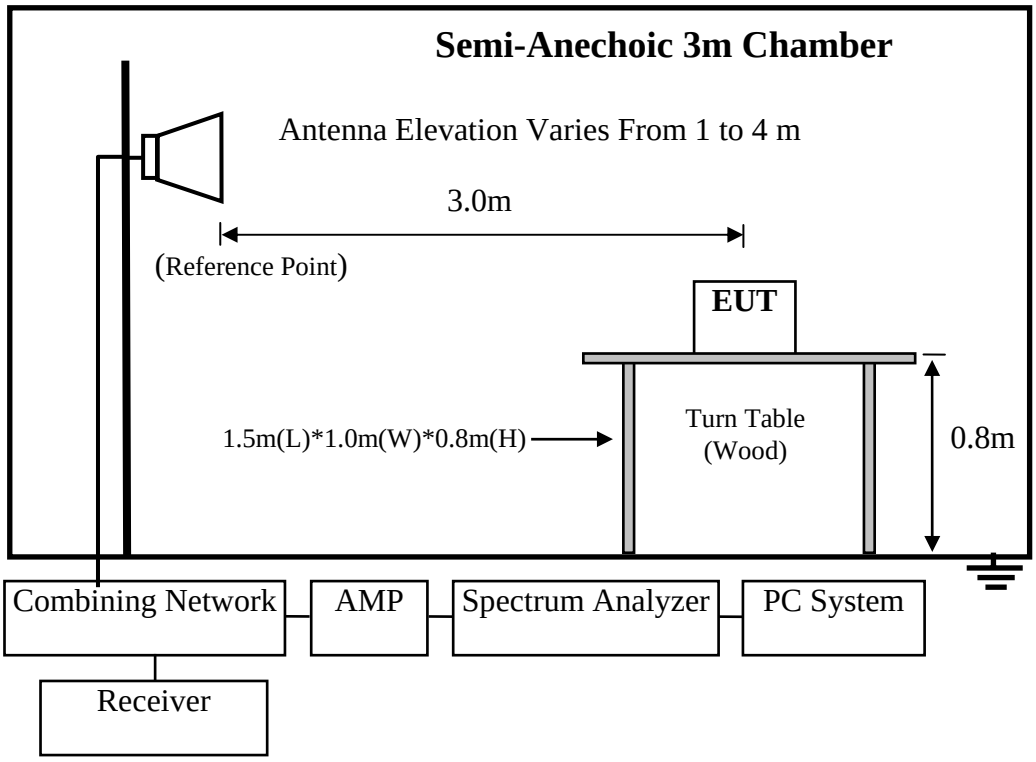
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 11	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	July.01, 11	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 11	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28622/2	May.08, 11	1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

5.2.Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-2GHz



5.3.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(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.

5.4.EUT Configuration on Test

The configurations of EUT are listed in Section 4.4

5.5.Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 4.5. except the test set up replaced by Section 5.2.

5.6. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2003 on Radiated Emission test.

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

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

5.7. Radiated Disturbance Test Results

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

EUT: LCD TV Model No. : L32HDM11

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: Jul.25, 2011 Temperature: 24℃ Humidity: 56%

The details of test modes are as follows：

NO.	Test Mode	Resolution & Frequency	Reference Test Data No.	
			Horizontal	Vertical
1.	VGA	640*480 @60Hz	#1	#2
2.		800*600 @ 60Hz	#4	#3
3.		1024*768 @60Hz	#5	#6
4. ※	HDMI 1	1080P	#8	#7
5.	HDMI 2	1080P	#9	#10
6.	HDMI 3	1080P	#12	#11

(※ Worst test mode)

For frequency range 1GHz~2GHz

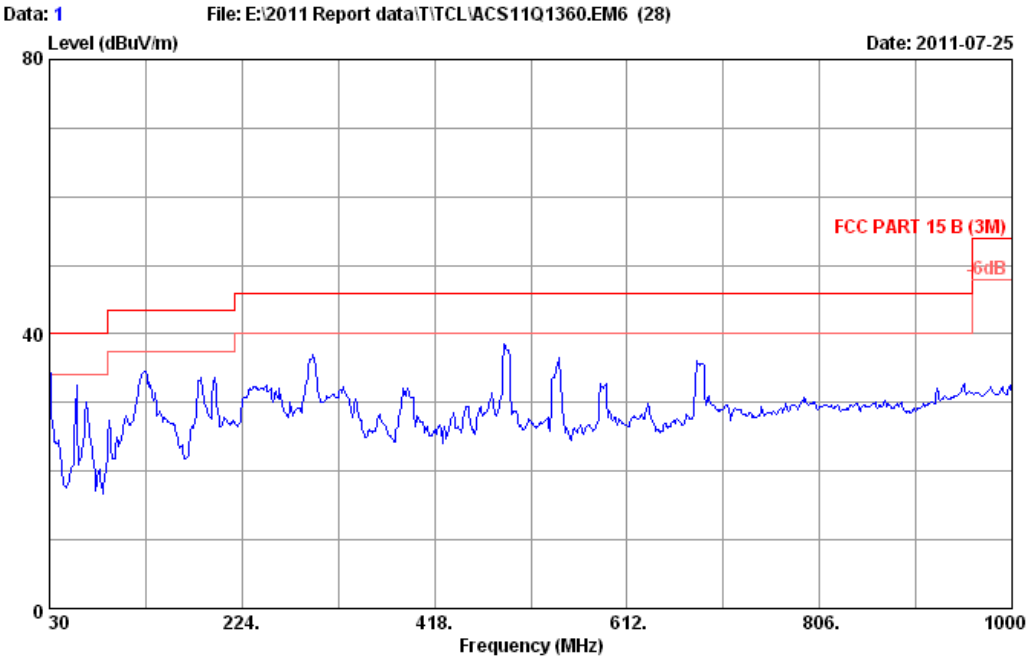
The EUT with below test mode were measured within Anechoic Chamber and the test results listed in next pages

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.

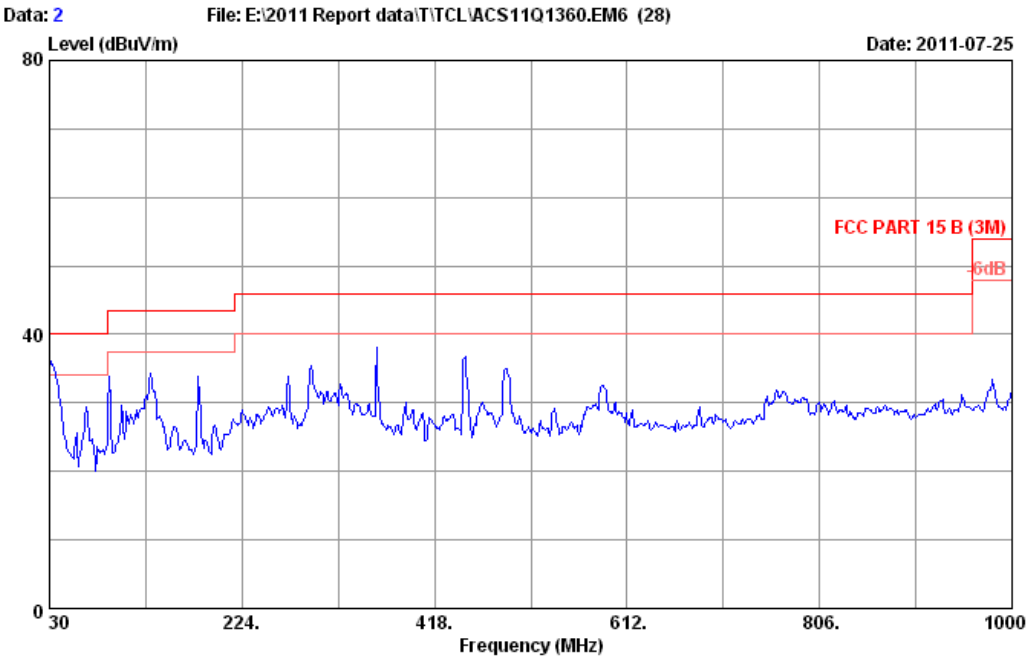
Test Date: Jul.25, 2011 Temperature: 24℃ Humidity: 56%

NO.	Test Mode	Resolution & Frequency	Reference Test Data No.	
			Horizontal	Vertical
1.	VGA	1024*768 @60Hz	#15, #16	#13, #14
2.	HDMI 1	1080P	#25, #26	#27, #28
3.	HDMI 2	1080P	#23, #24	#21, #22
4.	HDMI 3	1080P	#17, #18	#19, #20

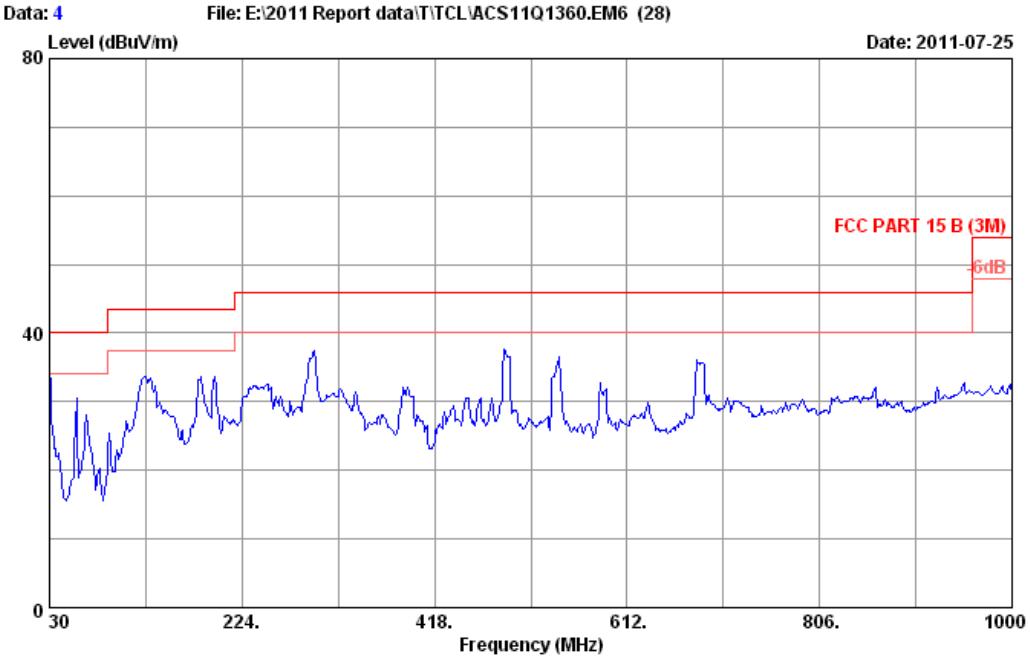
30MHz~1000MHz



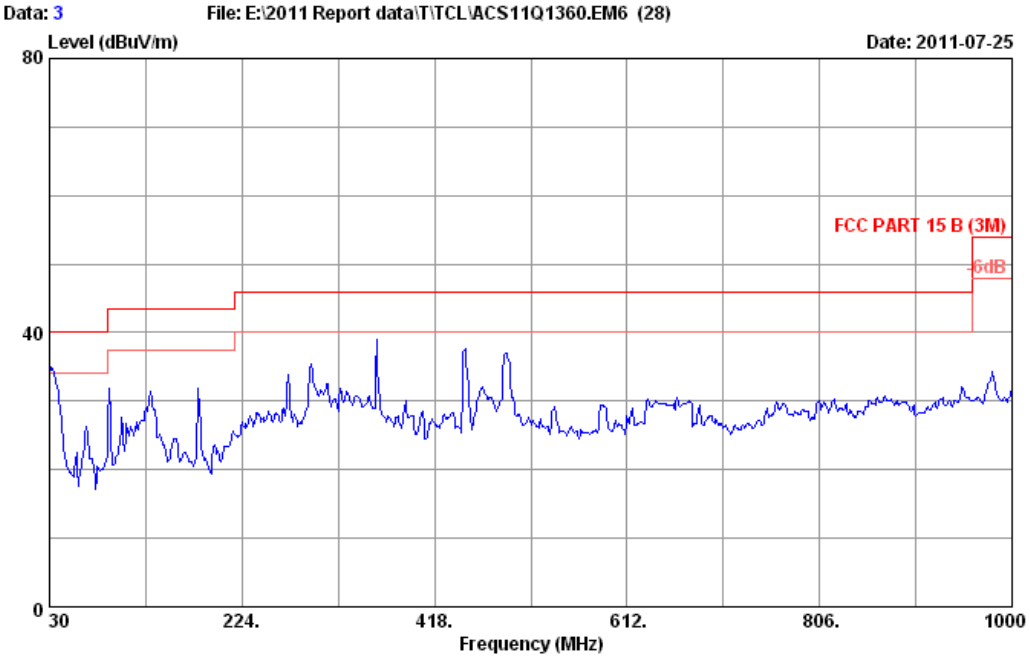

```
Site no.      : 3m Chamber                  Data no.   : 1
Dis. / Ant.   : 3m   2010 CBL6111C 2598     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15 B (3M)
Env. / Ins.   : 24*C/56%                    Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                VGA:640*480@60Hz
```



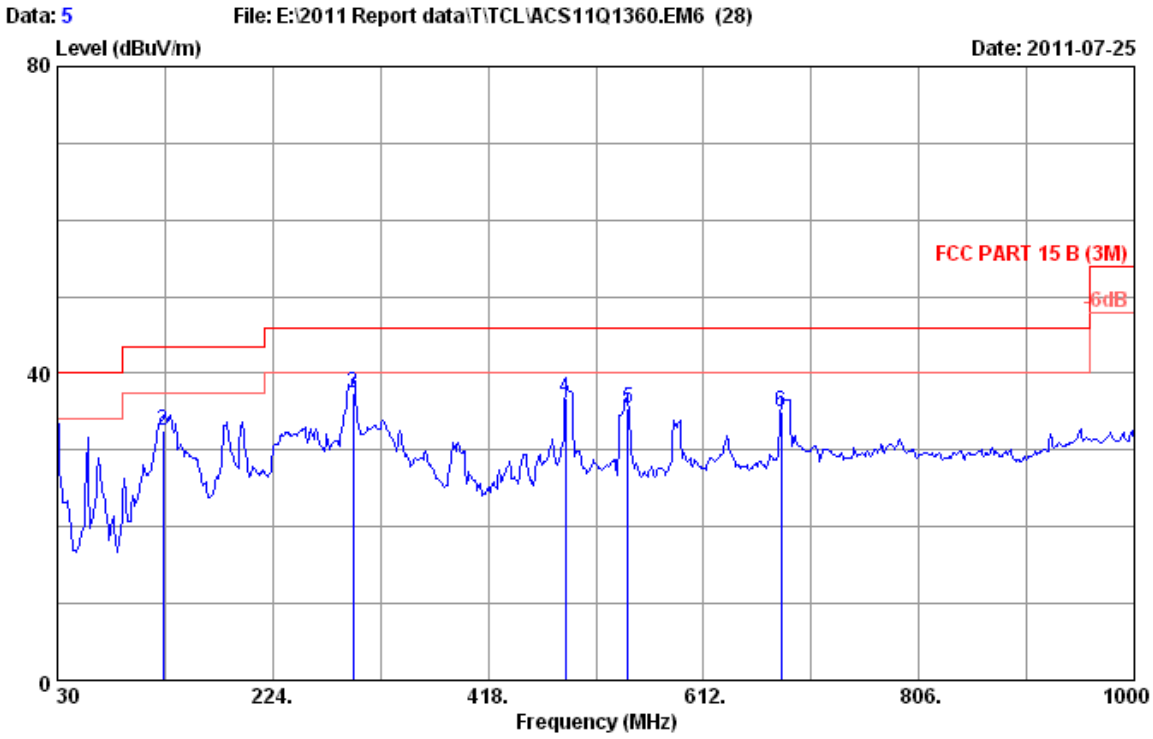

```
Site no.      : 3m Chamber                  Data no.   : 2
Dis. / Ant.   : 3m   2010 CBL6111C 2598     Ant. pol.  : VERTICAL
Limit         : FCC PART 15 B (3M)
Env. / Ins.   : 24*C/56%                    Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                VGA:640*480@60Hz
```




```
Site no.      : 3m Chamber                  Data no.   : 4
Dis. / Ant.   : 3m   2010 CBL6111C 2598     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15 B (3M)
Env. / Ins.   : 24*C/56%                    Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                VGA:800*600@60Hz
```



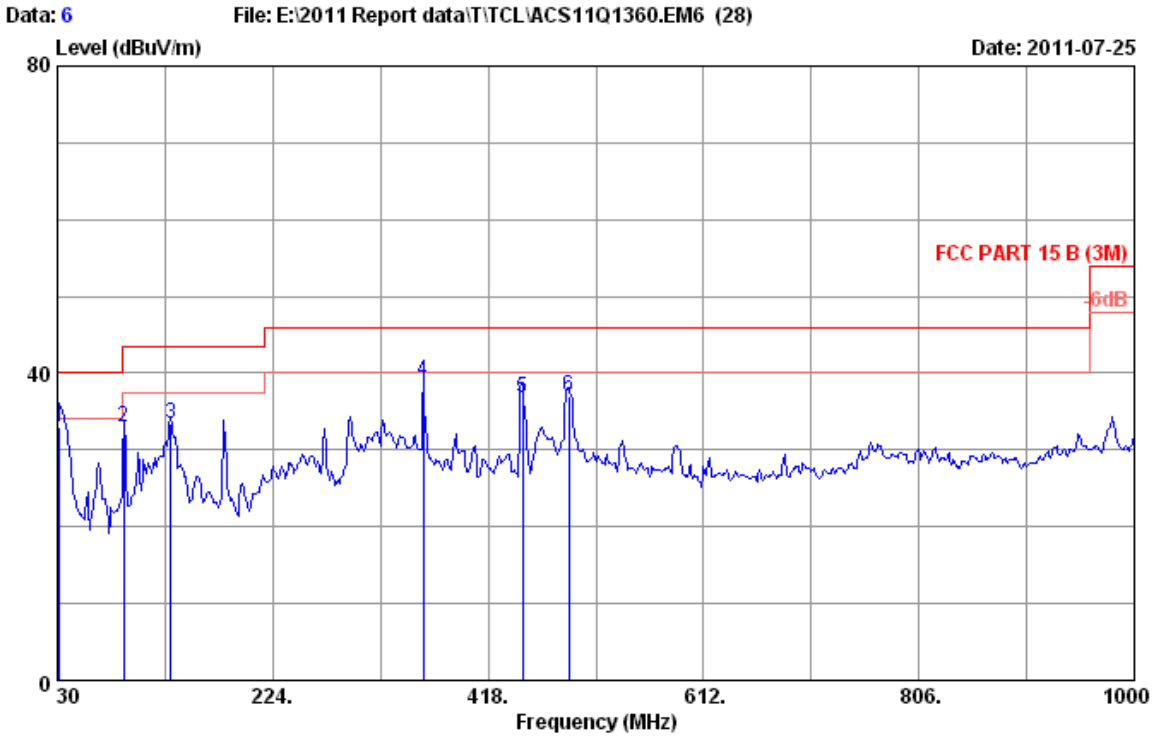

```
Site no.      : 3m Chamber                  Data no.   : 3
Dis. / Ant.   : 3m   2010 CBL6111C 2598     Ant. pol.  : VERTICAL
Limit         : FCC PART 15 B (3M)
Env. / Ins.   : 24*C/56%                    Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                VGA:800*600@60Hz
```



Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24*C/56% Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
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	30.000	20.00	0.58	12.98	33.56	40.00	6.44	QP
2	125.060	12.10	1.34	19.13	32.57	43.50	10.93	QP
3	296.750	13.70	2.96	20.79	37.45	46.00	8.55	QP
4	487.840	18.18	3.92	14.56	36.66	46.00	9.34	QP
5	544.100	18.60	4.22	12.69	35.51	46.00	10.49	QP
6	681.840	20.72	4.91	9.38	35.01	46.00	10.99	QP

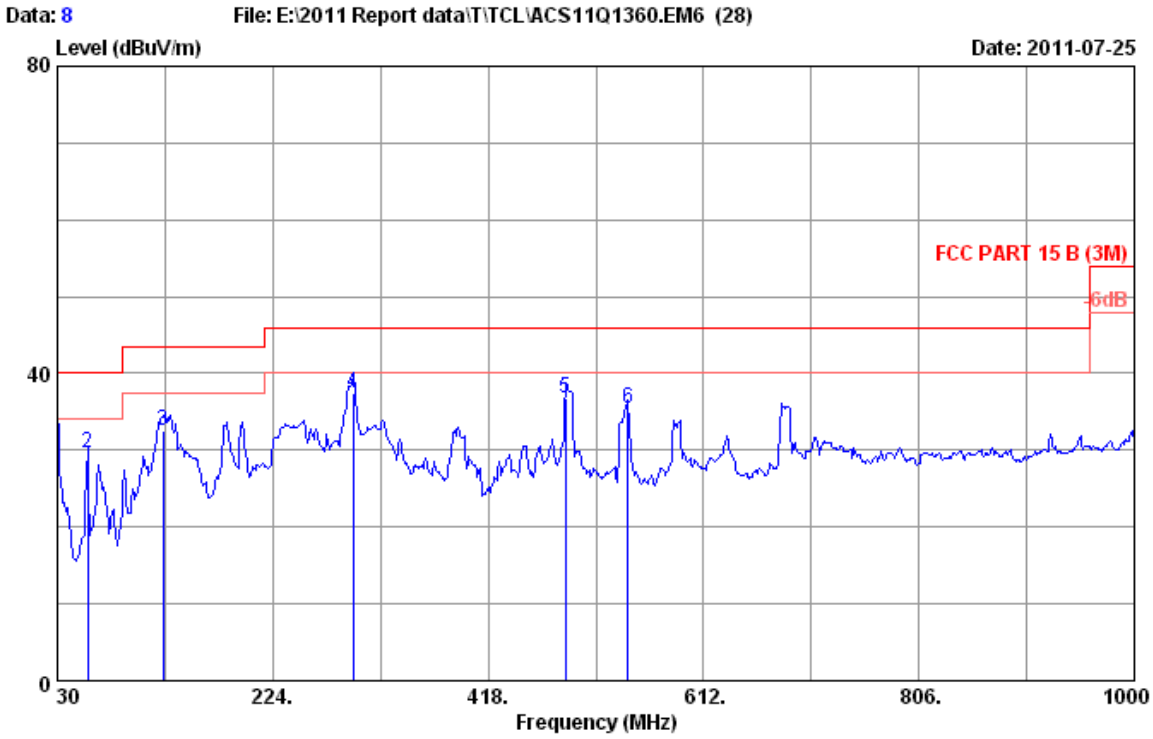
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24*C/56% Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
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	31.940	18.88	0.61	13.60	33.09	40.00	6.91	QP
2	90.140	9.10	1.10	22.71	32.91	43.50	10.59	QP
3	131.850	12.16	1.38	19.79	33.33	43.50	10.17	QP
4	359.800	15.60	3.20	20.20	39.00	46.00	7.00	QP
5	449.040	17.02	3.66	16.04	36.72	46.00	9.28	QP
6	490.750	18.21	3.94	14.92	37.07	46.00	8.93	QP

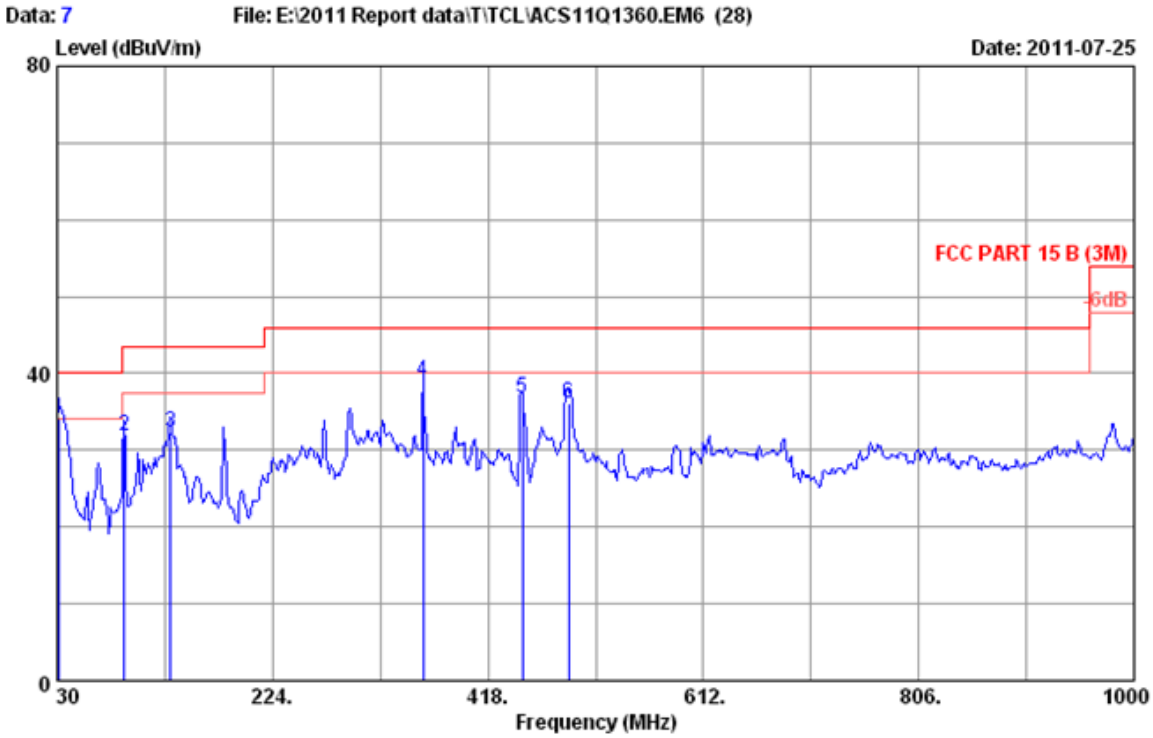
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.      : 3m Chamber                    Data no.   : 8
Dis. / Ant.   : 3m   2010 CBL6111C 2598       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15 B (3M)
Env. / Ins.   : 24*C/56%                      Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                HDMI1:1080P
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	20.00	0.58	12.98	33.56	40.00	6.44	QP
2	57.160	6.66	0.88	22.03	29.57	40.00	10.43	QP
3	125.060	12.10	1.34	19.13	32.57	43.50	10.93	QP
4	296.750	13.70	2.96	20.79	37.45	46.00	8.55	QP
5	487.840	18.18	3.92	14.56	36.66	46.00	9.34	QP
6	544.100	18.60	4.22	12.69	35.51	46.00	10.49	QP

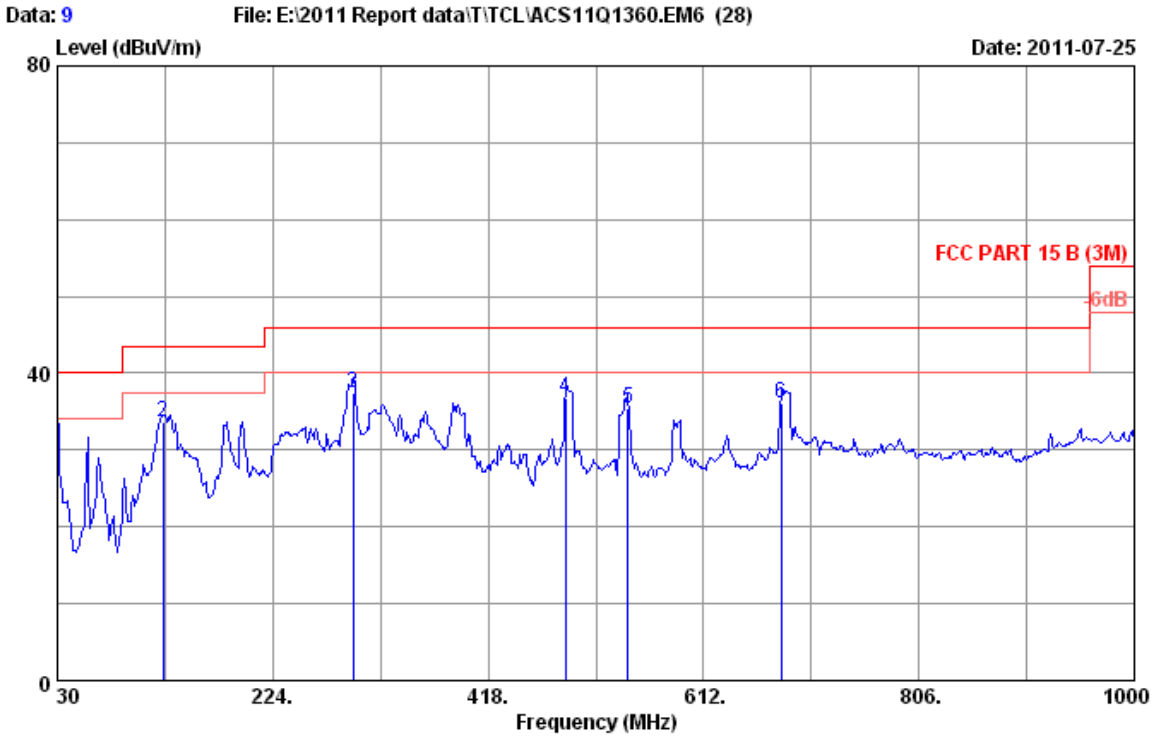
```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```



Site no. : 3m Chamber
Data no. : 7
Dis. / Ant. : 3m 2010 CBL6111C 2598
Ant. pol. : VERTICAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	14.60	34.09	40.00	5.91	QP
2	90.240	9.10	1.10	21.71	31.91	43.50	11.59	QP
3	131.850	12.16	1.38	18.79	32.33	43.50	11.17	QP
4	359.800	15.60	3.20	20.20	39.00	46.00	7.00	QP
5	449.040	17.02	3.66	16.04	36.72	46.00	9.28	QP
6	490.750	18.21	3.94	13.92	36.07	46.00	9.93	QP

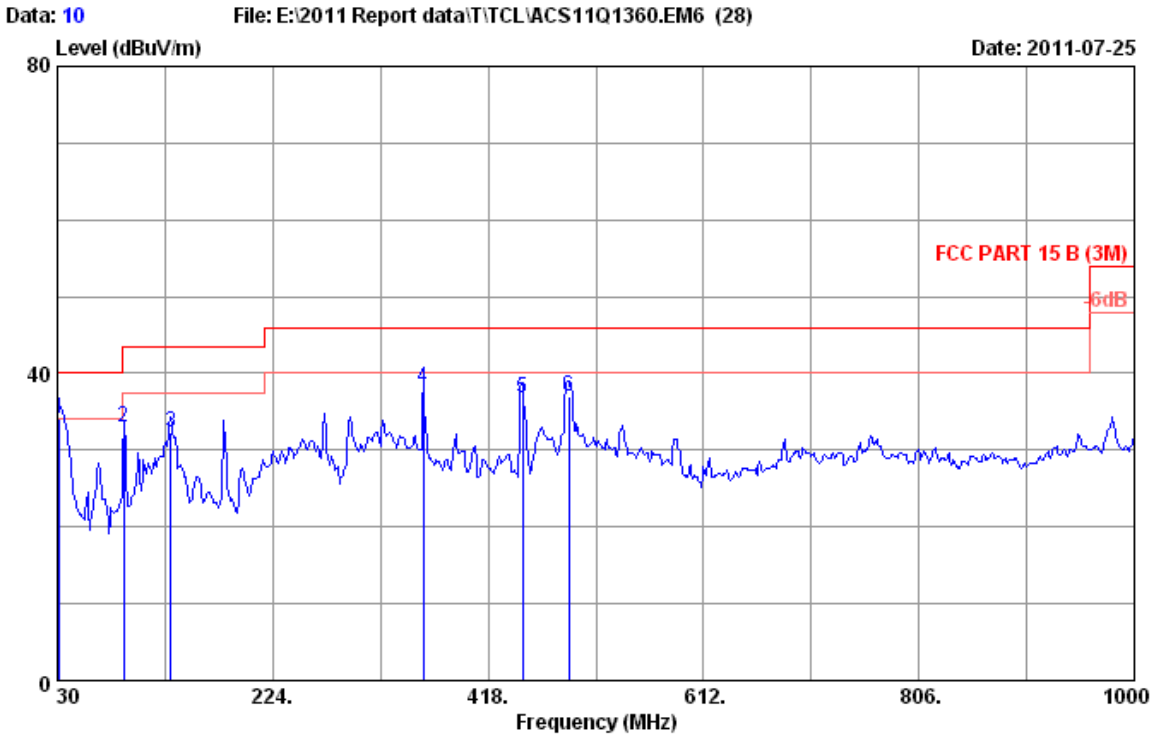
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24*C/56% Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	20.00	0.58	12.98	33.56	40.00	6.44	QP
2	125.060	12.10	1.34	20.13	33.57	43.50	9.93	QP
3	296.750	13.70	2.96	20.79	37.45	46.00	8.55	QP
4	487.840	18.18	3.92	14.56	36.66	46.00	9.34	QP
5	544.100	18.60	4.22	12.69	35.51	46.00	10.49	QP
6	681.840	20.72	4.91	10.38	36.01	46.00	9.99	QP

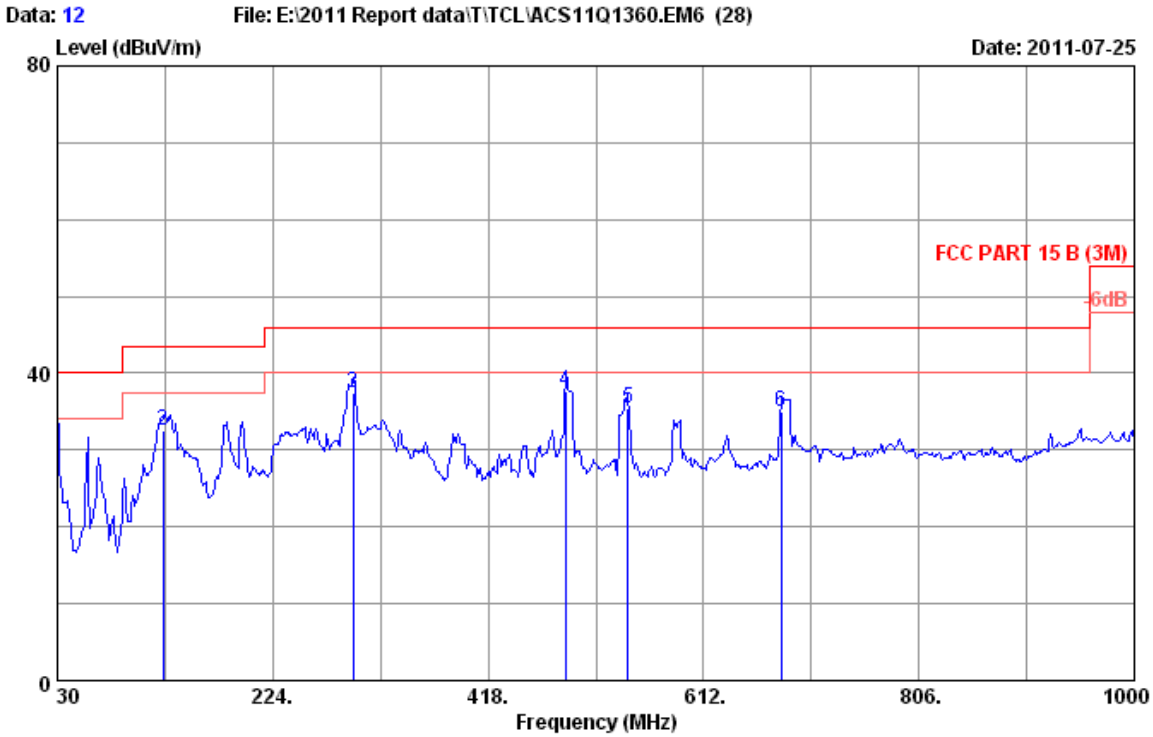
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24*C/56% Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	14.60	34.09	40.00	5.91	QP
2	90.140	9.10	1.10	22.71	32.91	43.50	10.59	QP
3	131.850	12.16	1.38	18.79	32.33	43.50	11.17	QP
4	359.800	15.60	3.20	19.20	38.00	46.00	8.00	QP
5	449.040	17.02	3.66	16.04	36.72	46.00	9.28	QP
6	490.750	18.21	3.94	14.92	37.07	46.00	8.93	QP

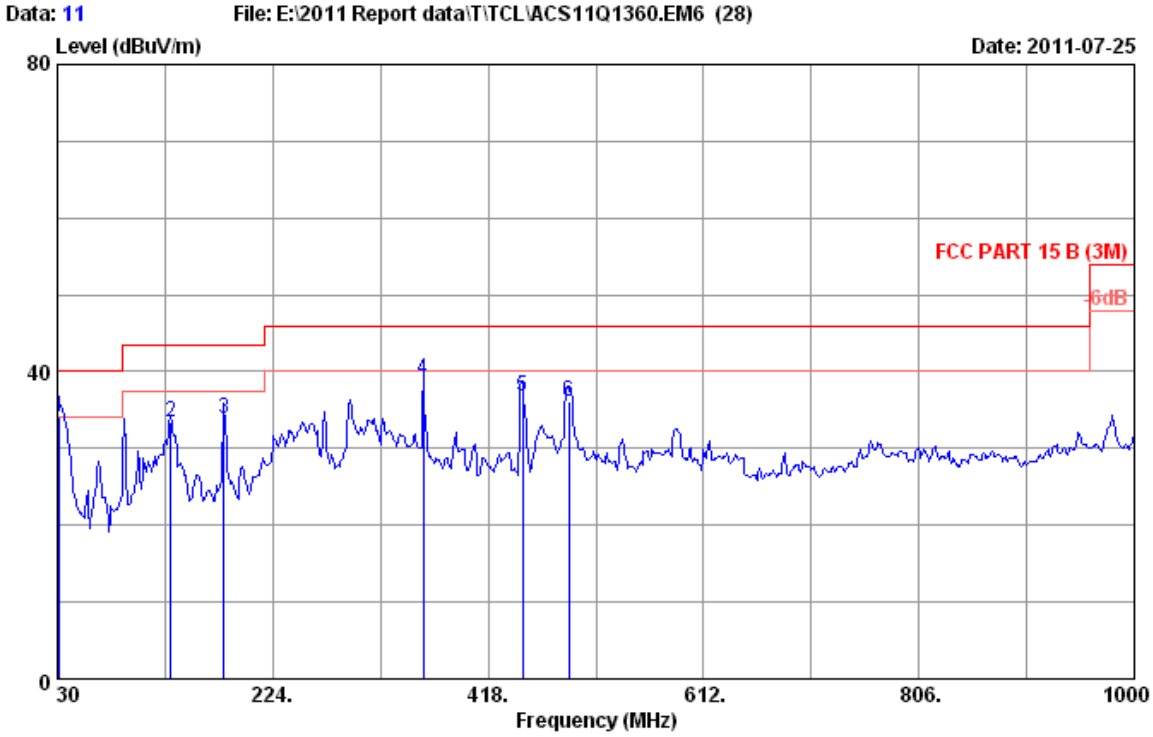
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.      : 3m Chamber                    Data no.   : 12
Dis. / Ant.   : 3m   2010 CBL6111C 2598       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15 B (3M)
Env. / Ins.   : 24*C/56%                      Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                HDMI3:1080P
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	20.00	0.58	12.98	33.56	40.00	6.44	QP
2	125.060	12.10	1.34	19.13	32.57	43.50	10.93	QP
3	296.750	13.70	2.96	20.79	37.45	46.00	8.55	QP
4	487.840	18.18	3.92	15.56	37.66	46.00	8.34	QP
5	544.100	18.60	4.22	12.69	35.51	46.00	10.49	QP
6	681.840	20.72	4.91	9.38	35.01	46.00	10.99	QP

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

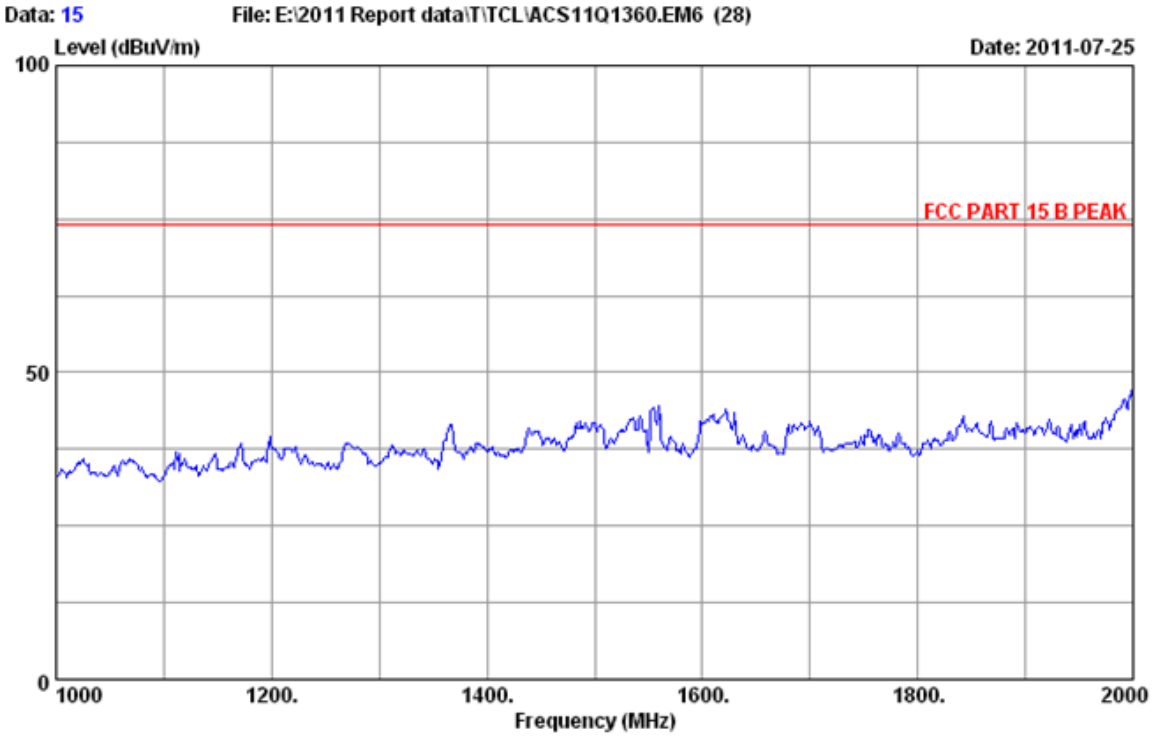



```
Site no.      : 3m Chamber                  Data no.   : 11
Dis. / Ant.   : 3m   2010 CBL6111C 2598     Ant. pol.  : VERTICAL
Limit         : FCC PART 15 B (3M)
Env. / Ins.   : 24*C/56%                    Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                HDMI3:1080P
```

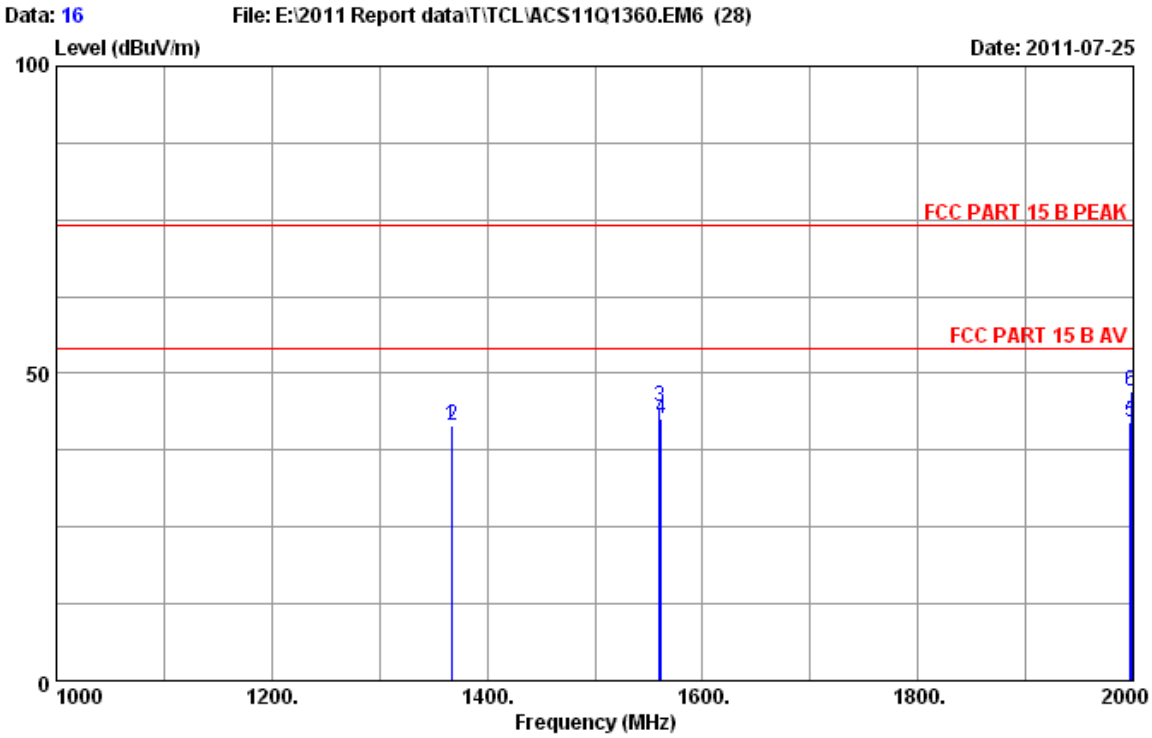
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	14.60	34.09	40.00	5.91	QP
2	131.850	12.16	1.38	19.79	33.33	43.50	10.17	QP
3	180.350	9.40	1.70	22.87	33.97	43.50	9.53	QP
4	359.800	15.60	3.20	20.20	39.00	46.00	7.00	QP
5	449.040	17.02	3.66	16.04	36.72	46.00	9.28	QP
6	490.750	18.21	3.94	13.92	36.07	46.00	9.93	QP

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

1GHz~2GHz



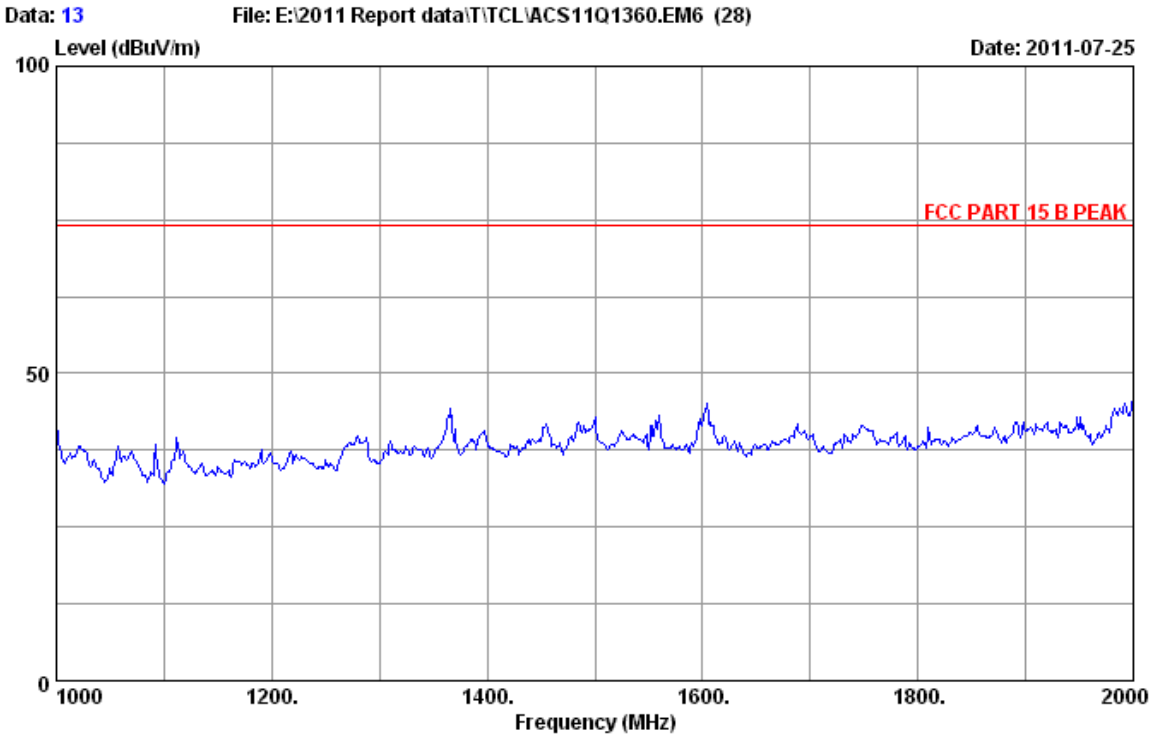
Site no.	: 3m Chamber	Data no.	: 15
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24*C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L32HDM11		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And 1KHz Playing VGA:1024*768@60Hz		



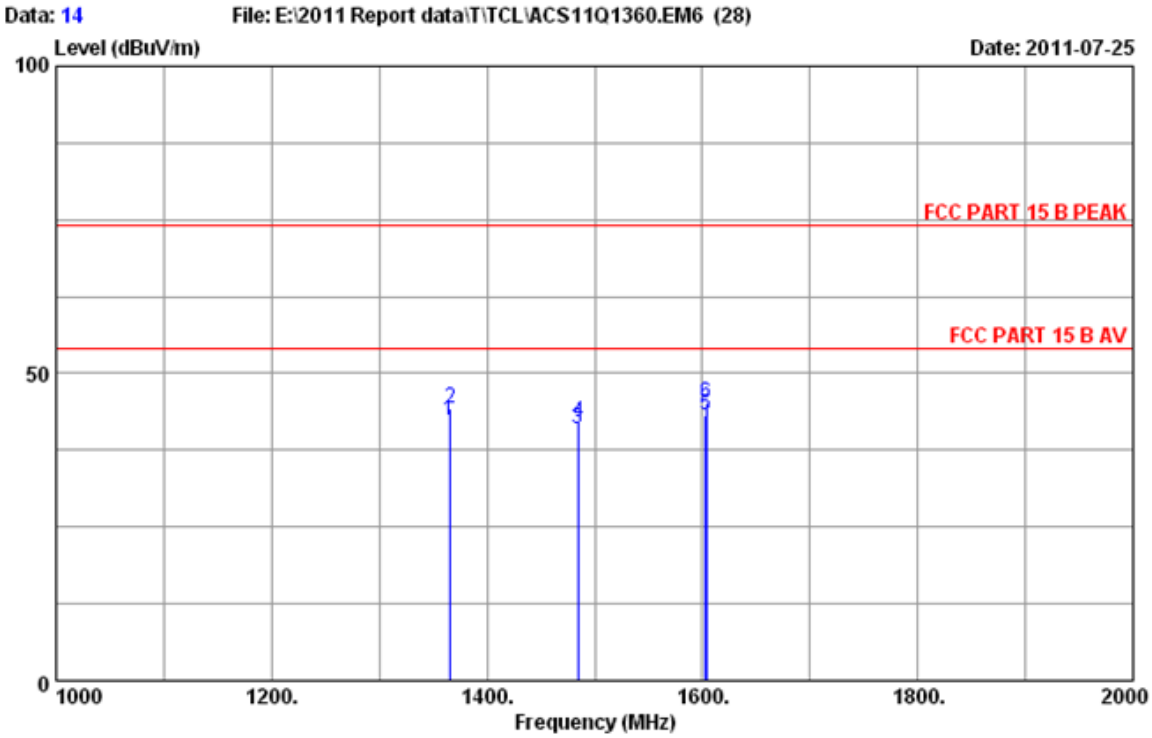
Site no. : 3m Chamber
Data no. : 16
Dis. / Ant. : 3m 2011 3115
Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
VGA:1024*768@60Hz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1367.240	24.94	3.58	35.10	48.11	41.53	54.00	12.47	Average
2	1368.000	24.94	3.58	35.10	48.11	41.53	74.00	32.47	Peak
3	1560.000	25.58	3.91	34.96	50.02	44.55	74.00	29.45	Peak
4	1561.470	25.58	3.91	34.96	48.02	42.55	54.00	11.45	Average
5	1997.260	27.40	4.62	34.60	44.66	42.08	54.00	11.92	Average
6	1998.000	27.40	4.65	34.60	49.63	47.08	74.00	26.92	Peak

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



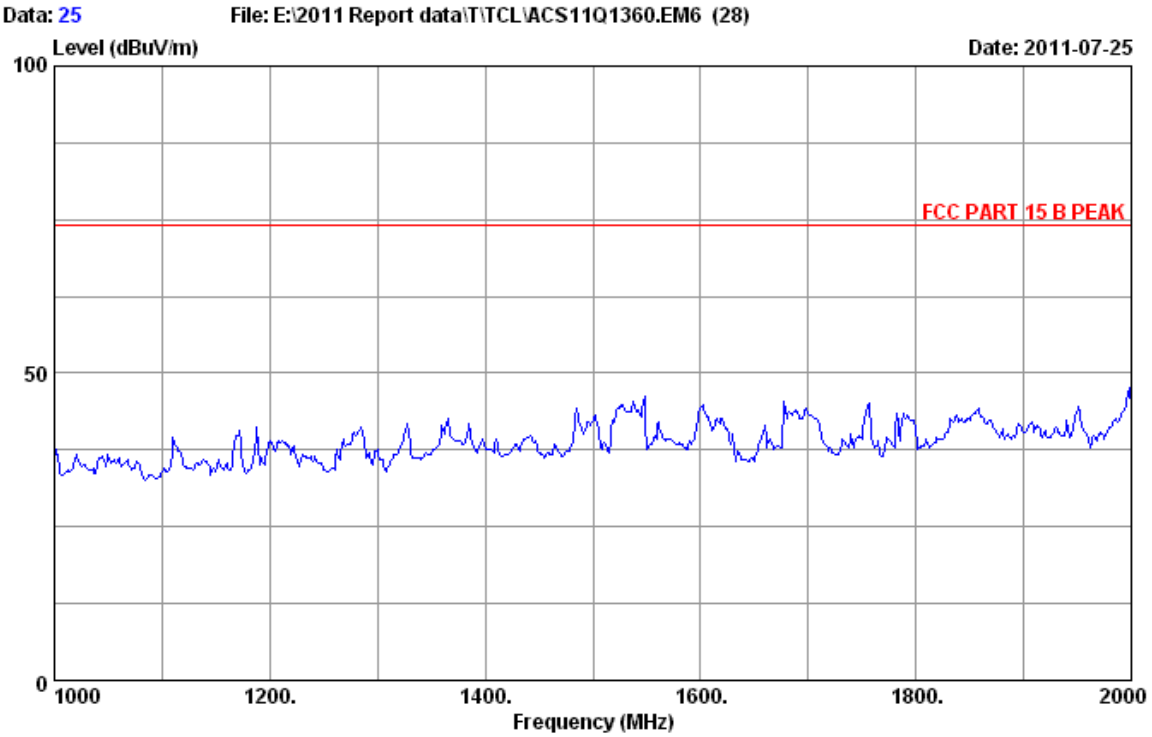
Site no.	: 3m Chamber	Data no.	: 13
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24*C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L32HDM11		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And 1KHz Playing VGA:1024*768@60Hz		



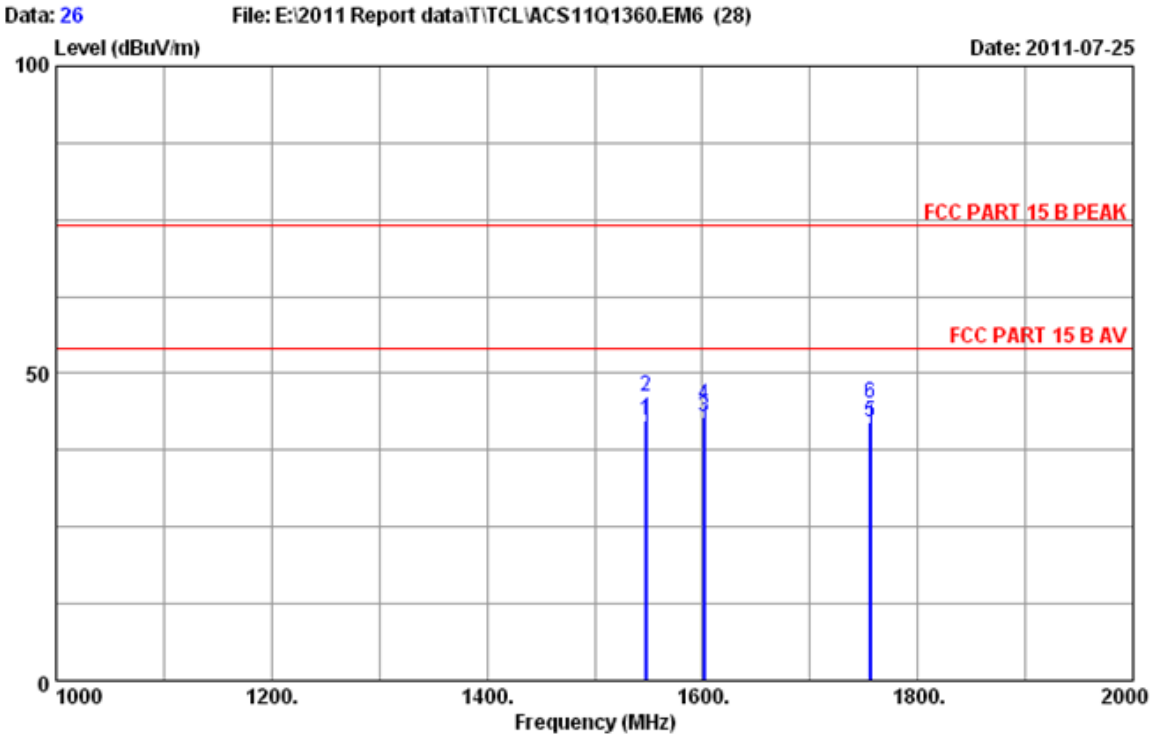
Site no. : 3m Chamber
Data no. : 14
Dis. / Ant. : 3m 2011 3115
Ant. pol. : VERTICAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
VGA:1024*768@60Hz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1365.420	24.89	3.58	35.10	48.88	42.25	54.00	11.75	Average
2	1366.000	24.94	3.58	35.10	50.83	44.25	74.00	29.75	Peak
3	1484.210	25.25	3.79	35.02	47.00	41.02	54.00	12.98	Average
4	1485.000	25.30	3.79	35.02	47.95	42.02	74.00	31.98	Peak
5	1603.240	25.72	4.00	34.92	48.30	43.10	54.00	10.90	Average
6	1604.000	25.79	4.00	34.92	50.23	45.10	74.00	28.90	Peak

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



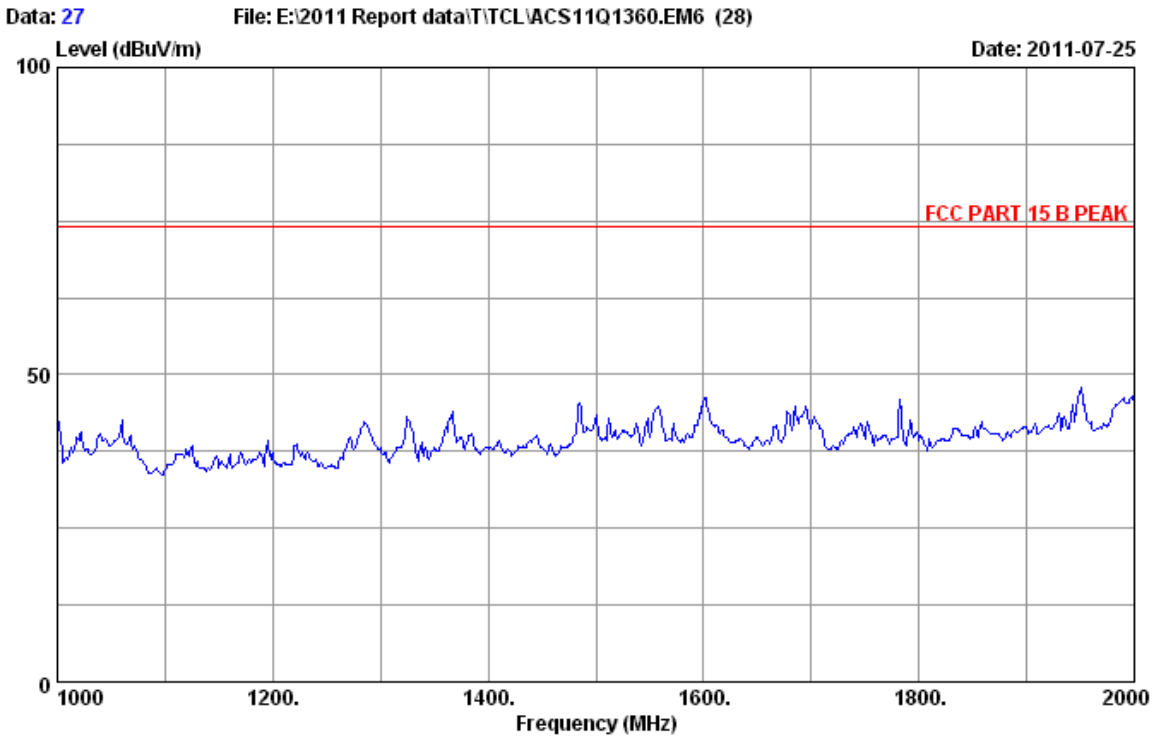

```
Site no.      : site                          Data no.   : 25
Dis. / Ant.   : 3m   2009 3115                Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15 B PEAK
Env. / Ins.   : 24*C/56%                      Engineer   : Cary Luo
EUT           : LCD TV  M/N:L32HDM11
Power Rating  : AC 120V/60Hz
Test Mode     : Running "H" Pattern And 1KHz Playing
                HDMI1:1080P
```



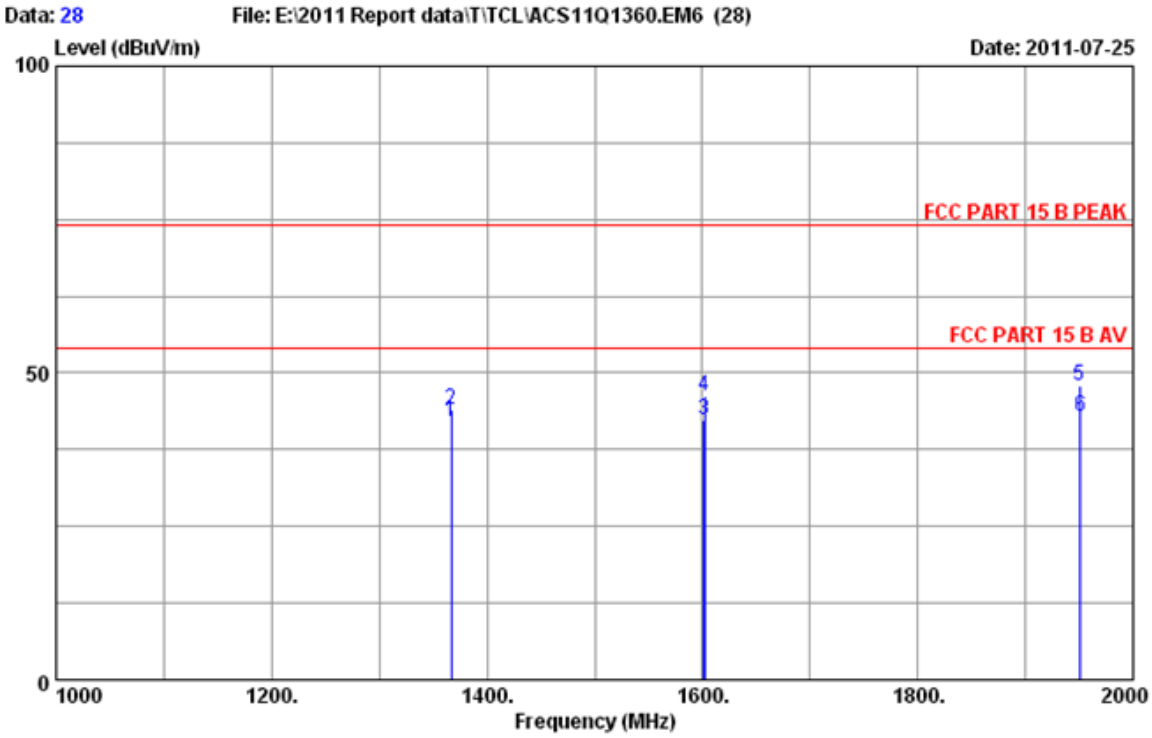
Site no. : site
Data no. : 26
Dis. / Ant. : 3m 2011 3115
Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1547.250	25.51	3.88	34.96	47.85	42.28	54.00	11.72	Average
2	1548.000	25.51	3.88	34.96	51.85	46.28	74.00	27.72	Peak
3	1601.420	25.72	3.97	34.92	48.08	42.85	54.00	11.15	Average
4	1602.000	25.72	3.97	34.92	50.08	44.85	74.00	29.15	Peak
5	1755.830	26.35	4.23	34.80	46.39	42.17	54.00	11.83	Average
6	1756.000	26.35	4.23	34.80	49.39	45.17	74.00	28.83	Peak

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



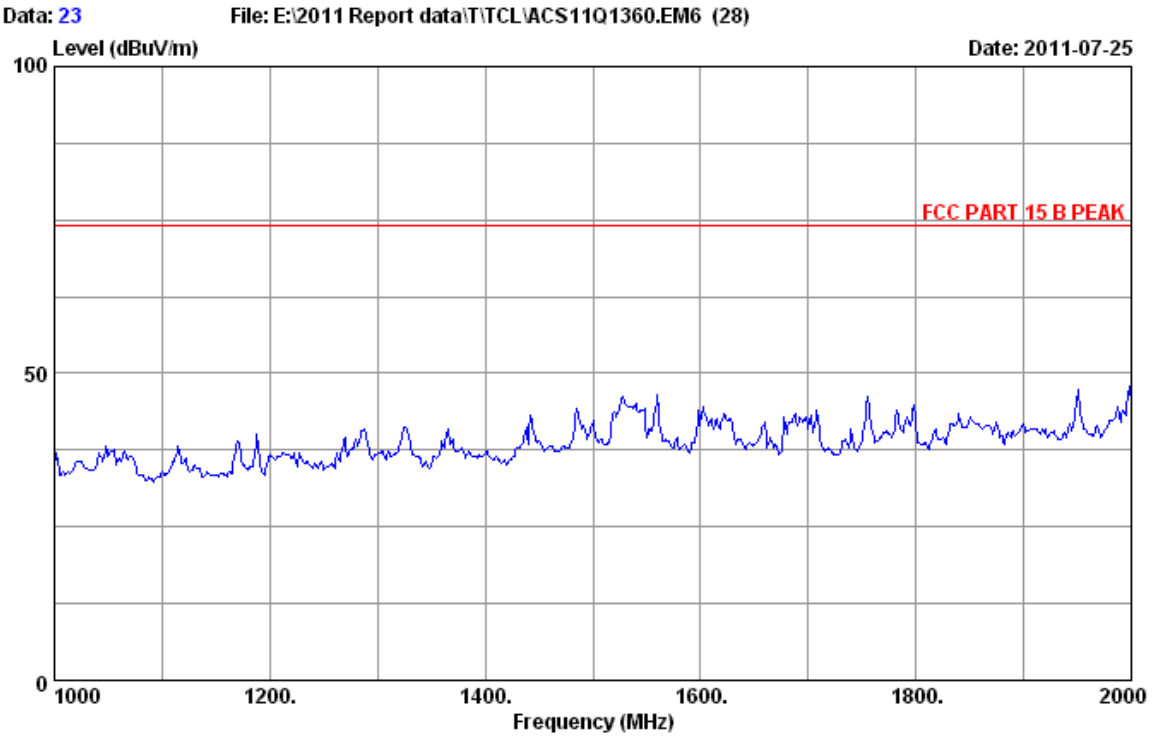
Site no.	: 3m Chamber	Data no.	: 27
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24*C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L32HDM11		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And 1KHz Playing HDMI1:1080P		



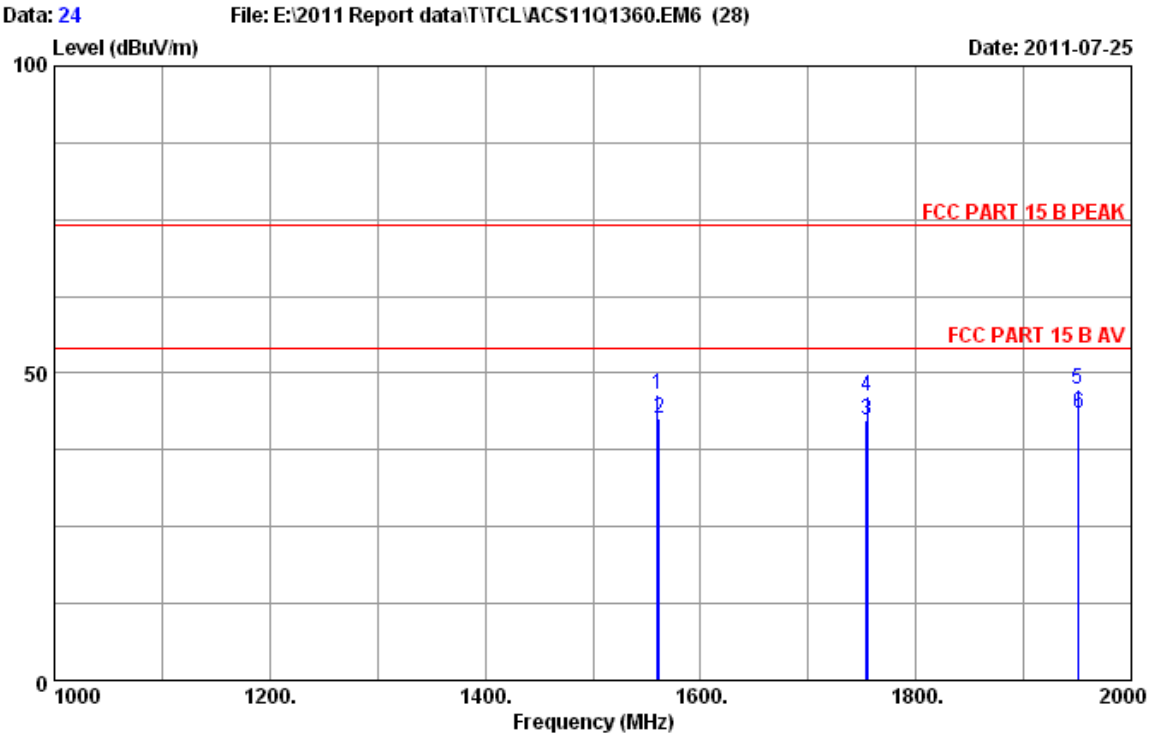
Site no. : 3m Chamber
Data no. : 28
Dis. / Ant. : 3m 2011 3115
Ant. pol. : VERTICAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI1:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1366.480	24.94	3.58	35.10	48.56	41.98	54.00	12.02	Average
2	1367.000	24.94	3.58	35.10	50.56	43.98	74.00	30.02	Peak
3	1601.490	25.72	3.97	34.92	47.51	42.28	54.00	11.72	Average
4	1602.000	25.72	3.97	34.92	51.51	46.28	74.00	27.72	Peak
5	1950.000	27.19	4.56	34.64	50.68	47.79	74.00	26.21	Peak
6	1951.420	27.19	4.56	34.64	45.68	42.79	54.00	11.21	Average

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



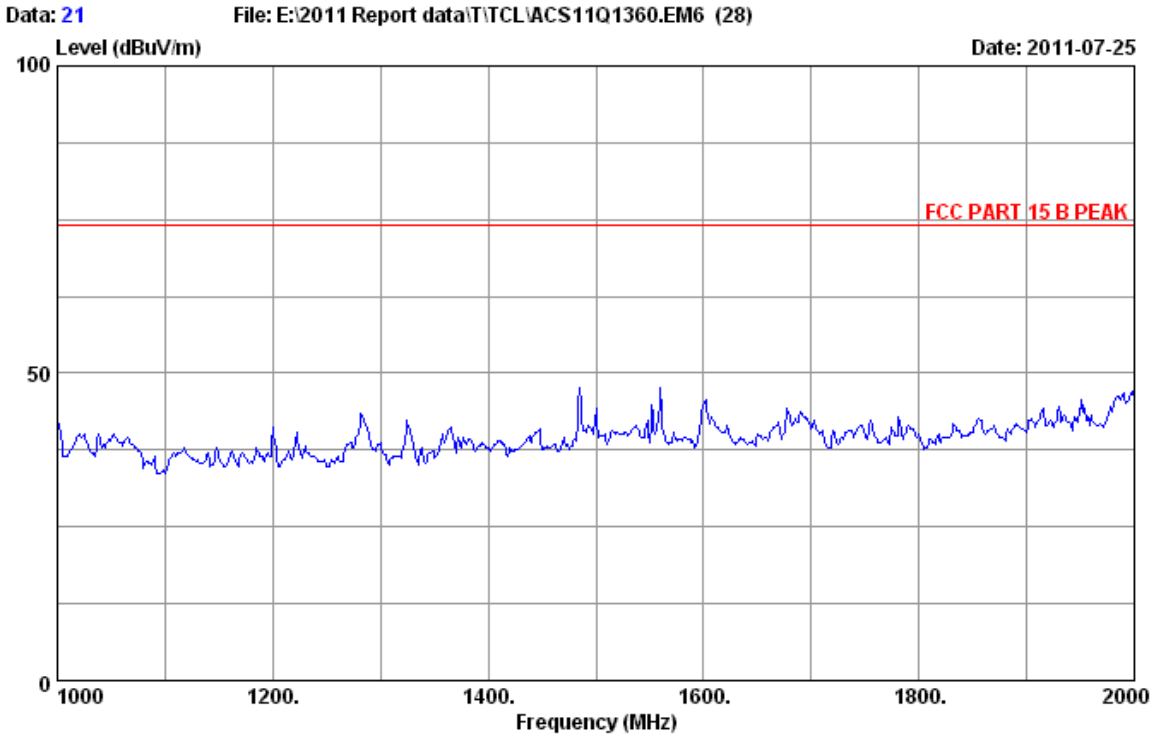
Site no.	: 3m Chamber	Data no.	: 23
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24*C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L32HDM11		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And 1KHz Playing HDMI2:1080P		



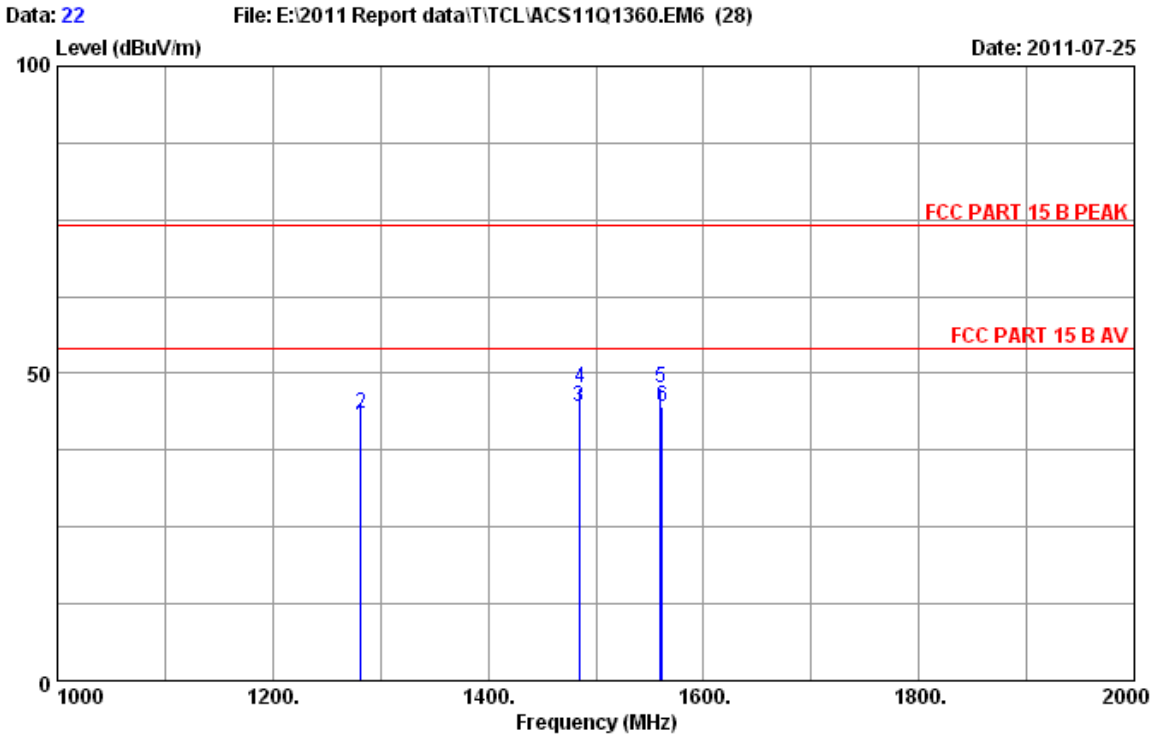
Site no. : 3m Chamber
Data no. : 24
Dis. / Ant. : 3m 2011 3115
Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1560.000	25.58	3.91	34.96	51.95	46.48	74.00	27.52	Peak
2	1561.420	25.58	3.91	34.96	47.95	42.48	54.00	11.52	Average
3	1754.250	26.35	4.23	34.80	46.45	42.23	54.00	11.77	Average
4	1755.000	26.35	4.23	34.80	50.45	46.23	74.00	27.77	Peak
5	1950.000	27.19	4.56	34.64	50.23	47.34	74.00	26.66	Peak
6	1951.420	27.19	4.56	34.64	46.23	43.34	54.00	10.66	Average

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



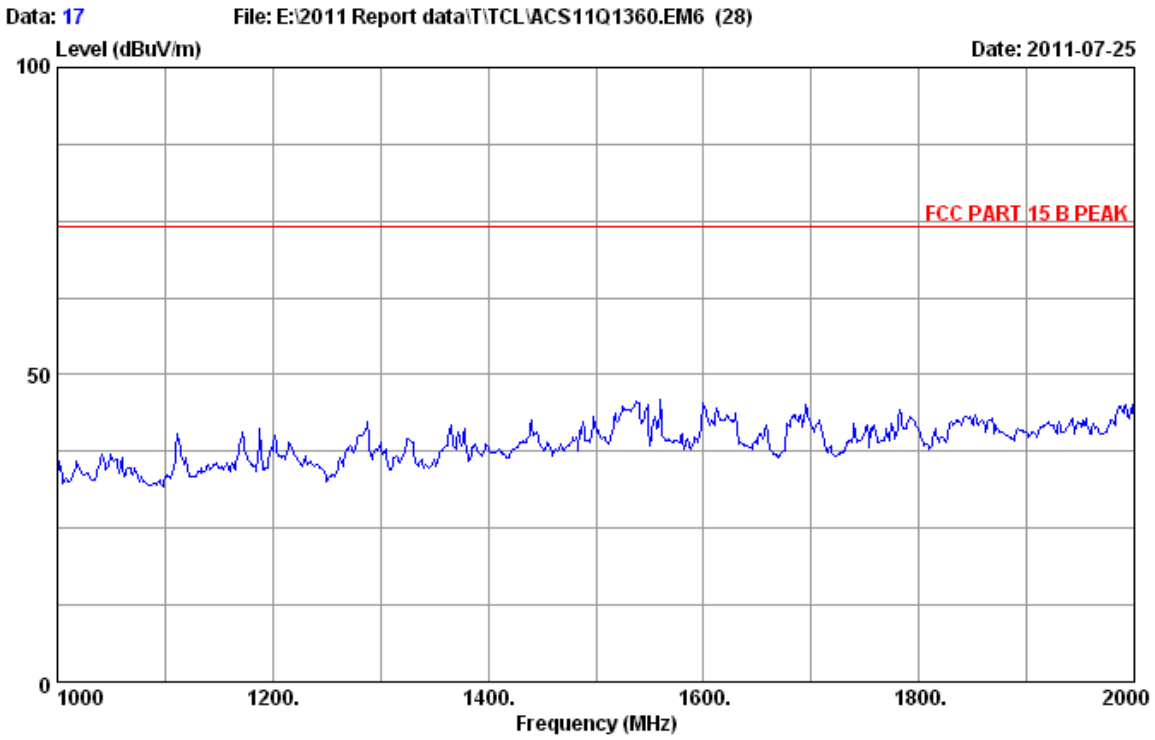
Site no.	: 3m Chamber	Data no.	: 21
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24*C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L32HDM11		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And 1KHz Playing HDMI2:1080P		



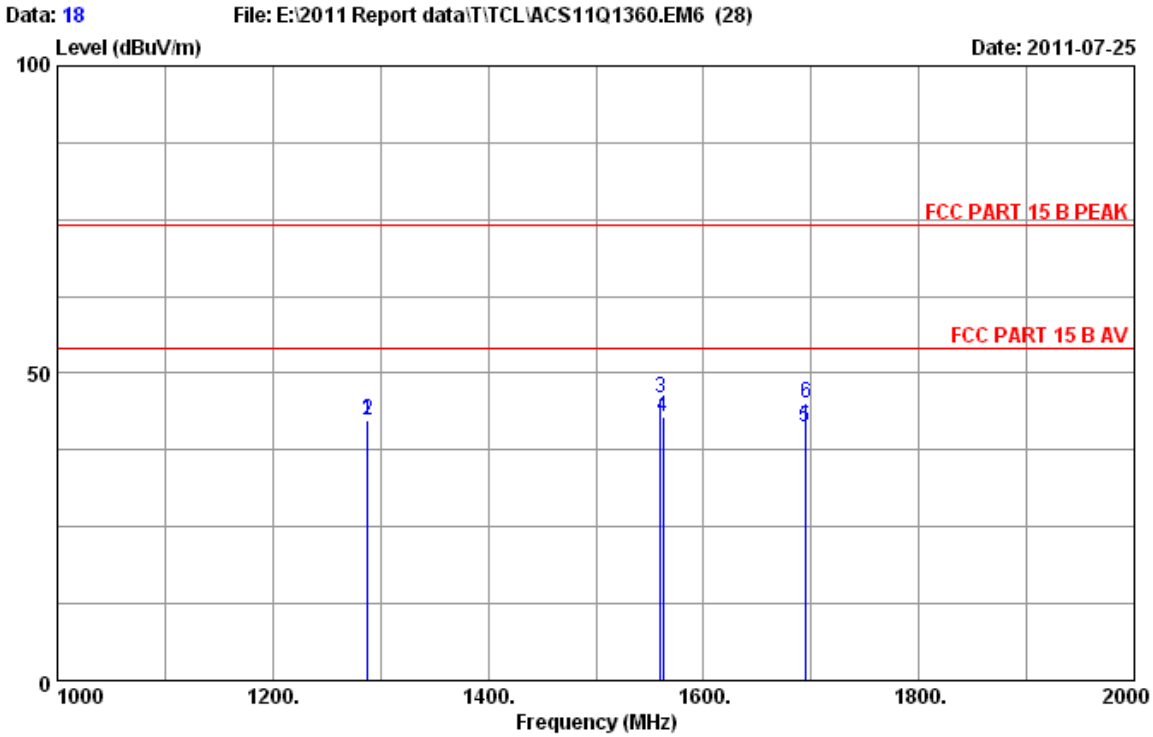
Site no. : 3m Chamber
Data no. : 22
Dis. / Ant. : 3m 2011 3115
Ant. pol. : VERTICAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI2:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1281.740	24.68	3.46	35.18	48.59	41.55	54.00	12.45	Average
2	1282.000	24.68	3.46	35.18	50.59	43.55	74.00	30.45	Peak
3	1484.870	25.30	3.79	35.02	50.50	44.57	54.00	9.43	Average
4	1485.000	25.30	3.79	35.02	53.50	47.57	74.00	26.43	Peak
5	1560.000	25.58	3.91	34.96	53.12	47.65	74.00	26.35	Peak
6	1561.410	25.58	3.91	34.96	50.12	44.65	54.00	9.35	Average

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



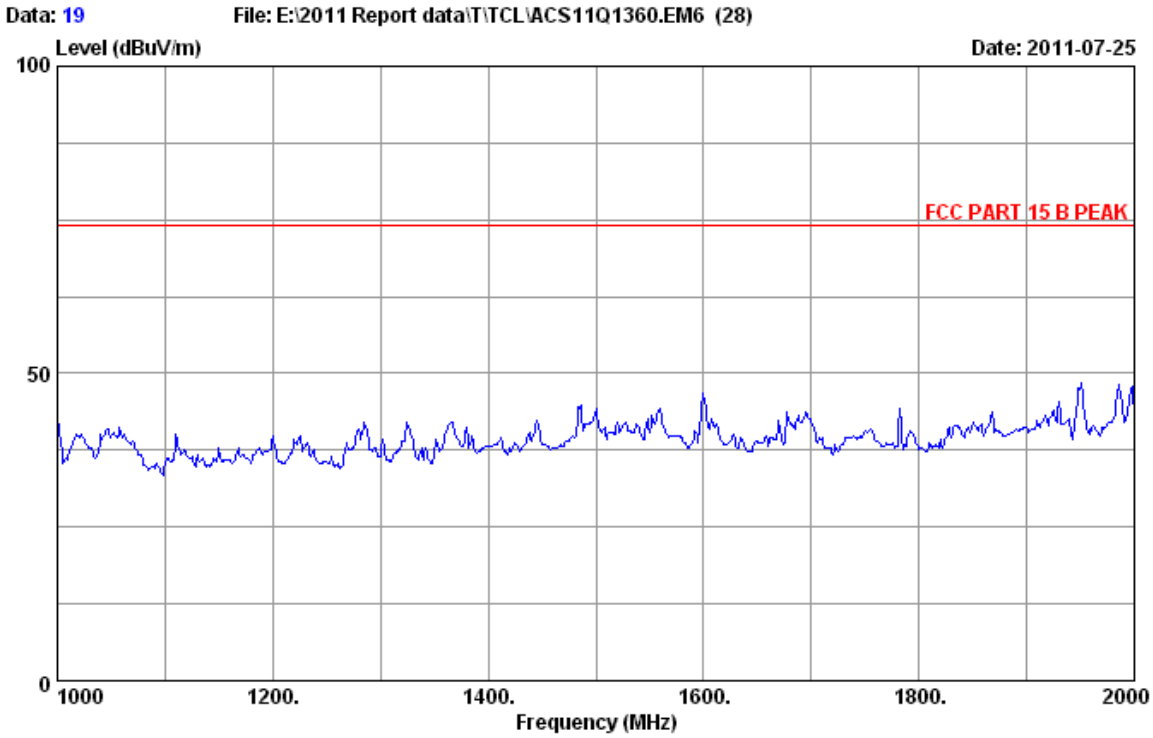
Site no.	: 3m Chamber	Data no.	: 17
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24*C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L32HDM11		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And 1KHz Playing HDMI3:1080P		



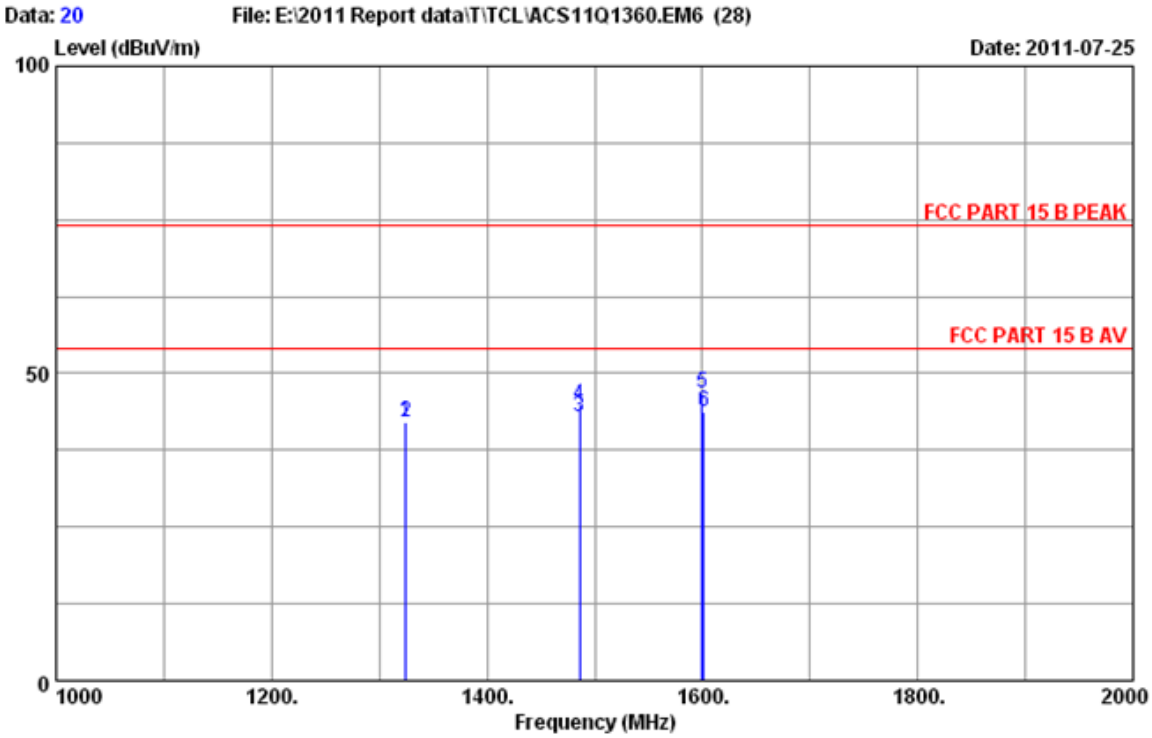
Site no. : 3m Chamber
Data no. : 18
Dis. / Ant. : 3m 2011 3115
Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI3:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1288.000	24.68	3.46	35.16	49.31	42.29	74.00	31.71	Peak
2	1288.210	24.68	3.46	35.16	49.31	42.29	54.00	11.71	Average
3	1560.000	25.58	3.91	34.96	51.40	45.93	74.00	28.07	Peak
4	1562.410	25.58	3.91	34.96	48.40	42.93	54.00	11.07	Average
5	1694.470	26.14	4.15	34.84	45.81	41.26	54.00	12.74	Average
6	1695.000	26.14	4.15	34.84	49.81	45.26	74.00	28.74	Peak

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



Site no.	: 3m Chamber	Data no.	: 19
Dis. / Ant.	: 3m 2009 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24*C/56%	Engineer	: Cary Luo
EUT	: LCD TV M/N:L32HDM11		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And 1KHz Playing HDMI3:1080P		



Site no. : 3m Chamber
Data no. : 20
Dis. / Ant. : 3m 2011 3115
Ant. pol. : VERTICAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : LCD TV M/N:L32HDM11
Power Rating : AC 120V/60Hz
Test Mode : Running "H" Pattern And 1KHz Playing
HDMI3:1080P

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	1324.780	24.78	3.52	35.14	49.04	42.20	54.00	11.80	Average
2	1325.000	24.78	3.52	35.14	49.04	42.20	74.00	31.80	Peak
3	1485.840	25.30	3.79	35.02	48.76	42.83	54.00	11.17	Average
4	1486.000	25.30	3.79	35.02	50.76	44.83	74.00	29.17	Peak
5	1600.000	25.72	3.97	34.92	51.98	46.75	74.00	27.25	Peak
6	1601.410	25.72	3.97	34.92	48.98	43.75	54.00	10.25	Average

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

6. DEVIATION TO TEST SPECIFICATIONS

[NONE]