Application for FCC Certificate
On Behalf of
Hisense Electric Co., Ltd.

LED LCD TV

Model No.:

Model No.	Brand
75H10D, 75H10D+, 75H10+0D 75H10+0D1, 75H10+0D2, 75H100+0D 75H100+0D1, 75H100+0D2	Hisense

FCC ID : W9HLCDF0131

Prepared For : Hisense Electric Co., Ltd.
No.218 Qianwangang Road, Economy & Technology
Development Zone, Qingdao, China

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F17223
Date of Test : May 31-Jun 06, 2017
Date of Report : Jun 29, 2017

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TEST REPORT FOR FCC CERTIFICATE

Applicant	:	Hisense Electric Co., Ltd.
Manufacturer	:	Hisense Electric Co., Ltd.
Factory #1	:	Hisense Electric Co., Ltd.
Factory #2	:	Tatung Mexico S.A. de C.V.
Factory #3	:	HISENSE ELECTRONICA MEXICO, S.A. DE C.V.
EUT Description	:	LED LCD TV
		Model No. : Refer to Sec.2.1
		Brand : Hisense
		Power Supply : 120V/60Hz

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B AND ANSI C63.4-2014

The device described above is tested by Audix Technology (Shanghai) 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 radiated and conducted emissions.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report shows that the EUT (M/N: Refer to Sec2.1) which was tested in 3m anechoic chamber May 31-Jun 06, 2017 is technically compliance with the FCC official limits also.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

This 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.

The test results for EUT's TV functions are contained in No.F17224, a Verification report.

Date of Test : May 31-Jun 06, 2017 Date of Report : Jun 29, 2017

Producer : TINA LIANG / Assistant

Review : BYRON WU / Deputy Assistant Manager

AUDIX® For and on behalf of
Audix Technology (Shanghai) Co., Ltd.

Signatory :
Authorized Signature(s) BYRON KWO / Assistant General 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:

Description of Test Item	Standard	Limits	Results
EMISSION			
Conducted Disturbance at the Mains Terminal	FCC RULES AND REGULATIONS PART 15 SUBPART B AND ANSI C63.4-2014	15.107(a) Class B	Pass
		Minimum passing margin is 11.01dB at 0.627MHz	
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B AND ANSI C63.4-2014	15.109(a) Class B	Pass
		Minimum passing margin is 3.26dB at 860.035MHz (Vertical, 1.00m/100°)	

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	:	LED LCD TV
Type of EUT	:	☑ Production ☐ Pre-product ☐ Pro-type
Model No	:	75H10D, 75H10D+, 75H10+0D, 75H10+0D1, 75H10+0D2, 75H100+0D, 75H100+0D1, 75H100+0D2
Note #1	:	The above models are all the same except for model number. 75H10D model is tested and recorded in the report.
Note #2	:	"+"represents any of the Arabic numeral.
Note #3	:	The tuner port comply with the 15.111 requirement.
Brand	:	Hisense
RF module FCC ID	:	PPQ-WCBN4511R
Applicant	:	Hisense Electric Co., Ltd. No.218 Qianwangang Road, Economy & Technology Development Zone, Qingdao, China
Manufacturer	:	Same as Applicant
Factory #1	:	Same as Applicant
Factory #2	:	Tatung Mexico S.A. de C.V. Miguel Catalán 420, Parque Industrial Rio Bravo, Cd. Juarez, China, CP 32557
Factory #3	:	HISENSE ELECTRONICA MEXICO,S.A. DE C.V. Blvd. Hisense #3510 Parque Industrial Rosarito, C.P. 22710 Playas de Rosarito, B.C.
LCD Panel	:	Manufacturer : Hisense M/N : HD750M7U01-L2
Tuner	:	Manufacturer : SILICON LABS M/N : Si2151-A10
Max Resolution	:	3840*2160@60Hz
HDMI Cable*4 (Lab provide)	:	Shielded, Detachable, 1.80m
Power Cord	:	Unshielded, Detachable, 1.80m, 2C

LAN Cable	:	Unshielded, Detachable, 1.50m
USB Cable*3 (Lab provide)	:	Shielded, Detachable, 1.00m

Remark:
The EUT is a LED LCD TV which input/output ports as follows:

Side Port:
(1) One ANT Port
: Connected with ATSC SG / TV SG
(2) One USB 1 Port
: Connected with Hard-Disk
(3) One USB 2 Port
: Connected with Hard-Disk
(4) One Service Port
: Do not open to the customers
(5) One AUDIO OUT Port
: Connected with Earphone#1
(6) One HDMI 1/MHL Port
: Connected with Mobile phone
(7) One HDMI2 Port
: Connected with PC
(8) One USB 3 Port
: Connected with Hard-Disk

Back Port:
(9) One COMPONENT IN/AV IN Port
: Connected with DVD PLAYER
(10) One LAN IN Port
: Connected with PC
(11) One Digital Audio Out Port
: Connected with Audio Converter to Earphone#2
(12) One HDMI3 Port
: Connected with PC
(13) One HDMI4 Port
: Connected with DVD PLAYER

2.2 Peripherals

2.2.1 PC

Manufacturer	:	HP
Model Number	:	Pro3340
Serial Number	:	6CR2512VFD
Power Cord	:	Unshielded, Detachable, 1.8m
Certificate	:	FCC DoC; CE/EMC; VCCI; C-Tick;

2.2.2 Keyboard

Manufacturer	:	Microsoft
Model Number	:	RT2300
Serial Number	:	7668200662248
Data Cable	:	Shielded, undetachable, 1.8m
Certificate	:	CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

2.2.3 Mouse

Manufacturer	:	Microsoft
Model Number	:	RT2300
Serial Number	:	6965712071551
Data Cable	:	Shielded, Undetachable, 1.8m.
Certificate	:	CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

2.2.4 Modem

Manufacturer	:	TP-LINK
Model Number	:	TM-EC5658V
Serial Number	:	07123301053
Data Cable	:	Shielded, Detachable, 1.8m
Certificate	:	CCC

2.2.5 Earphone*2

Manufacturer	:	EDIFIER
Model Number	:	H210

2.2.6 TV Signal Generator

Manufacturer	:	FLUKE
Model Number	:	54200M01
Serial Number	:	814008

2.2.7 ATSC Signal Generator

Manufacturer	:	SENCORE
Model Number	:	ATSC997
Serial Number	:	6790071

2.2.8 DVD PLAYER

Manufacturer	:	PHILIPS
Model Number	:	DVP3986K/93
Serial Number	:	KX1A0902120108
Certificate	:	CCC

2.2.9 Hard Disk#1

Manufacturer	:	Tetasys
Model Number	:	F12
Serial Number	:	A010022-486006
Data Cable	:	Shielded, Undetachable, 1.8m.
Certificate	:	CE, FCC DoC

2.2.10 Hard Disk #2

Manufacturer	:	Tetasys
Model Number	:	F12
Serial Number	:	A010022-4860010X
Data Cable	:	Shielded, Undetachable, 1.8m.
Certificate	:	CE, FCC DoC

2.2.11 Hard Disk #3

Manufacturer	:	Tetasys
Model Number	:	F12
Serial Number	:	A010022-4A60007
Data Cable	:	Shielded, Undetachable, 1.8m.
Certificate	:	CE, FCC DoC

2.2.12 Mobile Phone

Manufacturer	:	SUMSUNG
Model Number	:	GT-I9100G
Serial Number	:	69351520011519
Certificate	:	CE/EMC

2.3 Description of Test Facility

Site Description (No.3 3m Chamber)	:	Sept. 17, 1998 file on Jan.15, 2015 Renewed Federal Communications Commission FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046, USA
Name of Firm	:	Audix Technology (Shanghai) Co., Ltd.
Site Location	:	3F 34Bldg 680 Guiping Rd, Caohejing Hi-Tech Park, Shanghai 200233, China
FCC registration Number	:	91789
NVLAP Lab Code	:	200371-0

2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty : U = 3.4dB
Radiated Emission Expanded Uncertainty (30-200MHz):
U = 4.3dB(Horizontal)
U = 4.6dB (Vertical)
Radiated Emission Expanded Uncertainty (200M-1GHz):
U = 4.3dB (Horizontal)
U = 5.5dB (Vertical)
Radiated Emission Expanded Uncertainty (1GHz-6GHz):
U = 5.1 dB

3 CONDUCTED EMISSION TEST

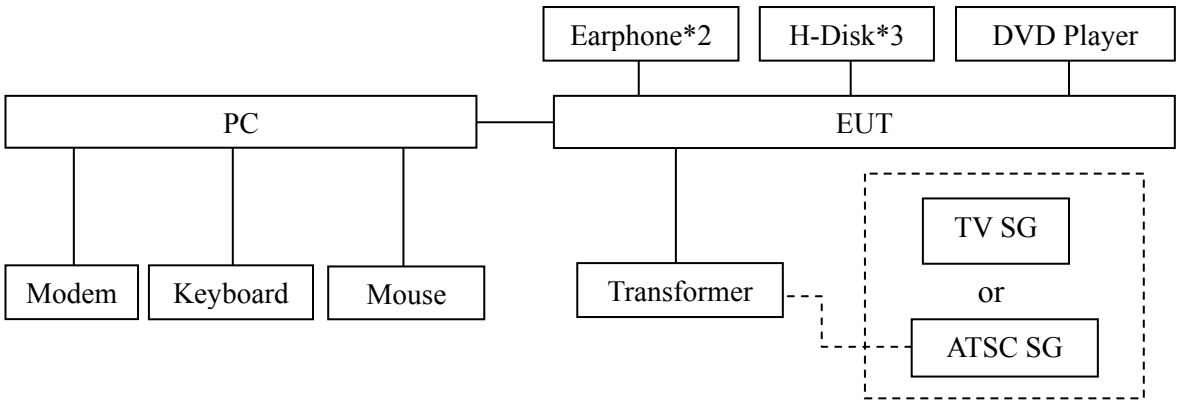
3.1 Test Equipment

The following test equipments are used during the conducted emission test in a shielded room:

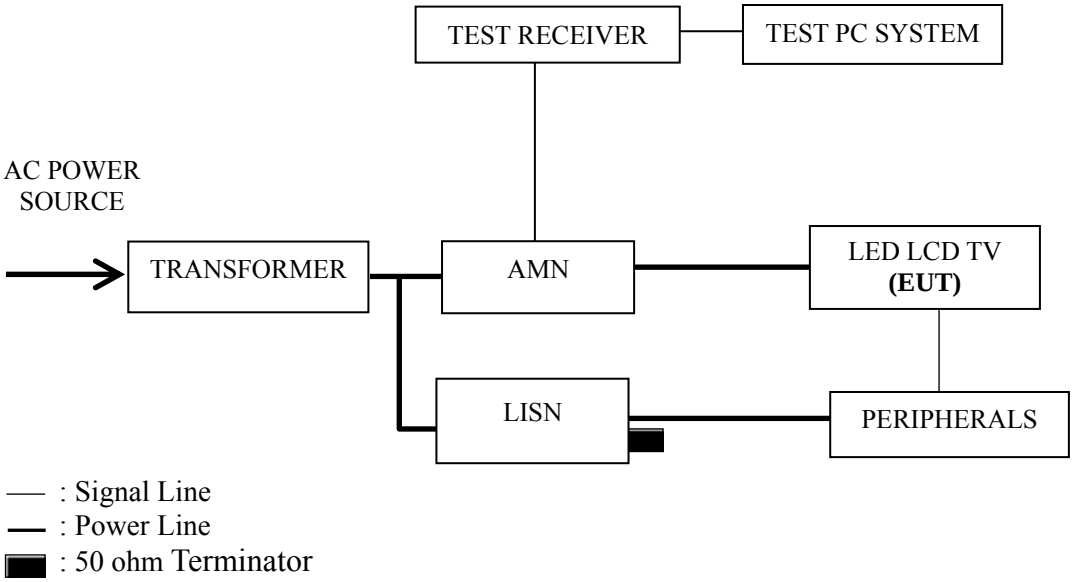
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	101302	Apr 27, 2017	Apr 26, 2018
2.	Artificial Mains Network (AMN)	R&S	ENV4200	100125	Jun 25, 2016	Jun 24, 2017
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-4	Mar 17, 2017	Mar 16, 2018
4.	50Ω Terminator	Anritsu	BNC	001	Mar 20, 2017	Sep 19, 2017
5.	Software	Audix	E3	6.111206	--	--

3.2 Block Diagram of Test Setup

3.2.1 EUT & Peripherals



3.2.2 Conducted Disturbance Test Setup



3.3 Conducted Emission Limit [FCC Part 15 Subpart B 15.107(a)]

Frequency Range (MHz)	Limits Db (μV)	
	Quasi-peak	Average
0.15 ~ 0.5	66~56	56~46
0.5 ~ 5	56	46
5 ~ 30	60	50
NOTE 1 – The lower limit shall apply at the transition frequencies. NOTE 2 – The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz~0.50 MHz		

3.4 Test Configuration

The EUT (listed in Sec.2.1) and the peripherals (listed in Sec 2.2) were installed as shown on Sec.3.2 to meet FCC requirement and operating in a manner that tends to maximize its emission level in a normal application.

3.5 Operating Condition of EUT

3.5.1 Setup the EUT and peripherals as shown in Sec. 3.2.

3.5.2 Turn on the power of all equipments and the EUT.

3.5.3 Set the contrast & brightness of EUT to maximum.

3.5.4 PC system ran the self-test program "EMC Test" by windows XP and sent "H" characters to EUT through graphic card, the EUT's screen displayed and filled with "H" pattern by its resolution (Via HDMI Input).

3.5.5 PC system sent the 1kHz audio signal to EUT through audio port, the EUT speak out 1kHz audio signal.

3.5.6 In USB Play mode, set the EUT play digital media from H-Disk.

3.5.7 In LAN Play mode, set the EUT play digital media through LAN port.

3.5.8 In WIFI mode, set the EUT play digital media through WIFI.

3.5.9 In MHL mode, set the EUT play digital media from mobile phone.

3.5.10 The other peripherals devices were driven and operated during the test.

3.5.11 The test modes are as follows:

Test Mode
HDMI1 3840*2160@60Hz & 1kHz playing
HDMI2 3840*2160@60Hz & 1kHz playing
HDMI3 3840*2160@30Hz & 1kHz playing
HDMI4 3840*2160@30Hz & 1kHz playing
HDMI1 1920*1080@60Hz & 1kHz playing
HDMI1 1280*1024@60Hz & 1kHz playing
HDMI1 640*480@60Hz & 1kHz playing
HDMI1080P
USB Play
LAN Play
WIFI
MHL

3.6 Test Procedures

The EUT and peripherals were connected to the power mains through an Artificial Mains Network (AMN). This provided a 50 ohm coupling impedance for the measuring equipment.

Both sides of AC line (Line & Neutral) were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed or manipulated according to ANSI C63.4 during conducted emission test.

The bandwidth of R&S Test Receiver ESCI was set at 9 kHz.

The frequency range from 150 kHz to 30 MHz was checked.

The test modes were done on conducted disturbance test and all the test results are listed in Sec. 3.7.

3.7 Test Results

< PASS >

The frequency and amplitude of the highest conducted emission relative to the limit is reported. All emissions not reported below are too low against the prescribed limits.

Test Mode	Data Page
HDMI1 3840*2160@60Hz & 1kHz playing	P14
HDMI2 3840*2160@60Hz & 1kHz playing	P15
HDMI3 3840*2160@30Hz & 1kHz playing	P16
HDMI4 3840*2160@30Hz & 1kHz playing	P17
HDMI1 1920*1080@60Hz & 1kHz playing	P18
HDMI1 1280*1024@60Hz & 1kHz playing	P19
HDMI1 640*480@60Hz & 1kHz playing	P20
HDMI1080P	**P21**
USB Play	P22
LAN Play	P23
WIFI	P24
MHL	P25

NOTE 1 – Factor = Cable Loss + AMN Factor.
NOTE 2 – Emission Level = Meter Reading + Factor.
NOTE 3 – “QP” means “Quasi-Peak” values, “AV” means “Average” values.

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	48%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test :	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.329	35.27	10.46	45.73	59.49	13.76	QP
	0.413	**35.86**	**10.43**	**46.29**	**57.59**	**11.30**	
	0.627	30.62	10.40	41.02	56.00	14.98	
	1.352	27.52	10.42	37.94	56.00	18.06	
	1.858	27.81	10.42	38.23	56.00	17.77	
	4.202	24.85	10.44	35.29	56.00	20.71	
	0.329	24.27	10.46	34.73	49.49	14.76	AV
	0.413	23.86	10.43	34.29	47.59	13.30	
	0.627	23.62	10.40	34.02	46.00	11.98	
	1.352	17.52	10.42	27.94	46.00	18.06	
	1.858	17.81	10.42	28.23	46.00	17.77	
	4.202	21.85	10.44	32.29	46.00	13.71	
Neutral	0.346	35.60	10.45	46.05	59.05	13.00	QP
	0.413	**35.43**	**10.42**	**45.85**	**57.59**	**11.74**	
	0.627	30.27	10.39	40.66	56.00	15.34	
	1.153	27.87	10.41	38.28	56.00	17.72	
	1.819	28.74	10.44	39.18	56.00	16.82	
	4.202	24.37	10.49	34.86	56.00	21.14	
	0.346	23.60	10.45	34.05	49.05	15.00	AV
	0.413	23.43	10.42	33.85	47.59	13.74	
	0.627	23.27	10.39	33.66	46.00	12.34	
	1.153	19.87	10.41	30.28	46.00	15.72	
	1.819	13.74	10.44	24.18	46.00	21.82	
	4.202	21.37	10.49	31.86	46.00	14.14	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity :	48%RH	
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz Playing	Date of Test :	May 31, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.329	35.47	10.46	45.93	59.49	13.56	QP
	0.417	34.93	10.43	45.36	57.51	12.15	
	0.634	30.47	10.40	40.87	56.00	15.13	
	1.324	27.21	10.42	37.63	56.00	18.37	
	1.839	27.38	10.42	37.80	56.00	18.20	
	3.901	24.43	10.44	34.87	56.00	21.13	
	0.329	24.47	10.46	34.93	49.49	14.56	AV
	0.417	23.93	10.43	34.36	47.51	13.15	
	0.634	**23.47**	**10.40**	**33.87**	**46.00**	**12.13**	
	1.324	18.21	10.42	28.63	46.00	17.37	
	1.839	17.38	10.42	27.80	46.00	18.20	
	3.901	21.43	10.44	31.87	46.00	14.13	
Neutral	0.346	35.32	10.45	45.77	59.05	13.28	QP
	0.408	34.38	10.42	44.80	57.68	12.88	
	0.634	30.46	10.39	40.85	56.00	15.15	
	1.324	27.01	10.42	37.43	56.00	18.57	
	1.878	28.58	10.44	39.02	56.00	16.98	
	3.901	24.56	10.48	35.04	56.00	20.96	
	0.346	23.32	10.45	33.77	49.05	15.28	AV
	0.408	22.38	10.42	32.80	47.68	14.88	
	0.634	**23.46**	**10.39**	**33.85**	**46.00**	**12.15**	
	1.324	19.01	10.42	29.43	46.00	16.57	
	1.878	13.58	10.44	24.02	46.00	21.98	
	3.901	21.56	10.48	32.04	46.00	13.96	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	48%RH
Test Mode	:	HDMI3 3840*2160@60Hz & 1kHz Playing	Date of Test :	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.332	35.13	10.46	45.59	59.40	13.81	QP
	0.413	33.29	10.43	43.72	57.59	13.87	
	0.627	30.75	10.40	41.15	56.00	14.85	
	1.352	28.30	10.42	38.72	56.00	17.28	
	1.819	27.92	10.42	38.34	56.00	17.66	
	4.202	24.37	10.44	34.81	56.00	21.19	
	0.332	24.13	10.46	34.59	49.40	14.81	AV
	0.413	22.29	10.43	32.72	47.59	14.87	
	0.627	**22.75**	**10.40**	**33.15**	**46.00**	**12.85**	
	1.352	17.30	10.42	27.72	46.00	18.28	
	1.819	18.92	10.42	29.34	46.00	16.66	
	4.202	21.37	10.44	31.81	46.00	14.19	
Neutral	0.325	35.63	10.46	46.09	59.57	13.48	QP
	0.413	**34.60**	**10.42**	**45.02**	**57.59**	**12.57**	
	0.634	30.16	10.39	40.55	56.00	15.45	
	1.338	27.20	10.42	37.62	56.00	18.38	
	1.858	28.95	10.44	39.39	56.00	16.61	
	4.202	24.05	10.49	34.54	56.00	21.46	
	0.325	23.63	10.46	34.09	49.57	15.48	AV
	0.413	23.60	10.42	34.02	47.59	13.57	
	0.634	22.16	10.39	32.55	46.00	13.45	
	1.338	19.20	10.42	29.62	46.00	16.38	
	1.858	14.95	10.44	25.39	46.00	20.61	
	4.202	20.05	10.49	30.54	46.00	15.46	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity :	48%RH	
Test Mode	:	HDMI4 3840*2160@60Hz & 1kHz Playing	Date of Test :	May 31, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.329**	**35.87**	**10.46**	**46.33**	**59.49**	**13.16**	QP
	0.408	33.97	10.43	44.40	57.68	13.28	
	0.627	30.75	10.40	41.15	56.00	14.85	
	1.153	27.36	10.41	37.77	56.00	18.23	
	1.839	29.21	10.42	39.63	56.00	16.37	
	4.202	24.44	10.44	34.88	56.00	21.12	
	0.329	23.87	10.46	34.33	49.49	15.16	AV
	0.408	22.97	10.43	33.40	47.68	14.28	
	0.627	22.75	10.40	33.15	46.00	12.85	
	1.153	19.36	10.41	29.77	46.00	16.23	
	1.839	14.21	10.42	24.63	46.00	21.37	
	4.202	20.44	10.44	30.88	46.00	15.12	
Neutral	0.332	35.88	10.45	46.33	59.40	13.07	QP
	0.413	**34.27**	**10.42**	**44.69**	**57.59**	**12.90**	
	0.627	30.59	10.39	40.98	56.00	15.02	
	1.172	27.06	10.41	37.47	56.00	18.53	
	1.858	28.61	10.44	39.05	56.00	16.95	
	3.901	24.96	10.48	35.44	56.00	20.56	
	0.332	23.88	10.45	34.33	49.40	15.07	AV
	0.413	23.27	10.42	33.69	47.59	13.90	
	0.627	21.59	10.39	31.98	46.00	14.02	
	1.172	18.06	10.41	28.47	46.00	17.53	
	1.858	17.61	10.44	28.05	46.00	17.95	
	3.901	20.96	10.48	31.44	46.00	14.56	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity :	48%RH	
Test Mode	:	HDMI1 1920*1080@60Hz & 1kHz Playing	Date of Test :	May 31, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.348	35.04	10.46	45.50	59.00	13.50	QP
	0.413	**34.71**	**10.43**	**45.14**	**57.59**	**12.45**	
	0.621	30.05	10.40	40.45	56.00	15.55	
	1.352	27.72	10.42	38.14	56.00	17.86	
	1.858	27.45	10.42	37.87	56.00	18.13	
	4.202	24.60	10.44	35.04	56.00	20.96	
	0.348	23.04	10.46	33.50	49.00	15.50	AV
	0.413	21.71	10.43	32.14	47.59	15.45	
	0.621	22.05	10.40	32.45	46.00	13.55	
	1.352	18.72	10.42	29.14	46.00	16.86	
	1.858	18.45	10.42	28.87	46.00	17.13	
	4.202	22.60	10.44	33.04	46.00	12.96	
Neutral	0.332	34.16	10.45	44.61	59.40	14.79	QP
	0.408	**33.86**	**10.42**	**44.28**	**57.68**	**13.40**	
	0.627	30.14	10.39	40.53	56.00	15.47	
	1.324	26.19	10.42	36.61	56.00	19.39	
	1.819	27.68	10.44	38.12	56.00	17.88	
	4.202	23.43	10.49	33.92	56.00	22.08	
	0.332	22.16	10.45	32.61	49.40	16.79	AV
	0.408	22.86	10.42	33.28	47.68	14.40	
	0.627	21.14	10.39	31.53	46.00	14.47	
	1.324	18.19	10.42	28.61	46.00	17.39	
	1.819	18.68	10.44	29.12	46.00	16.88	
	4.202	19.43	10.49	29.92	46.00	16.08	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	48%RH
Test Mode	:	HDMI1 1280*1024@60Hz & 1kHz Playing	Date of Test :	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.329	34.96	10.46	45.42	59.49	14.07	QP
	0.408	33.90	10.43	44.33	57.68	13.35	
	0.634	30.35	10.40	40.75	56.00	15.25	
	1.324	27.88	10.42	38.30	56.00	17.70	
	1.858	27.58	10.42	38.00	56.00	18.00	
	4.202	23.39	10.44	33.83	56.00	22.17	
	0.329	23.96	10.46	34.42	49.49	15.07	AV
	0.408	22.90	10.43	33.33	47.68	14.35	
	0.634	**22.35**	**10.40**	**32.75**	**46.00**	**13.25**	
	1.324	18.88	10.42	29.30	46.00	16.70	
	1.858	19.58	10.42	30.00	46.00	16.00	
	4.202	19.39	10.44	29.83	46.00	16.17	
Neutral	0.332	34.40	10.45	44.85	59.40	14.55	QP
	0.413	34.17	10.42	44.59	57.59	13.00	
	0.627	30.07	10.39	40.46	56.00	15.54	
	1.172	27.19	10.41	37.60	56.00	18.40	
	1.858	27.24	10.44	37.68	56.00	18.32	
	4.202	24.58	10.49	35.07	56.00	20.93	
	0.332	23.40	10.45	33.85	49.40	15.55	AV
	0.413	23.17	10.42	33.59	47.59	14.00	
	0.627	**23.07**	**10.39**	**33.46**	**46.00**	**12.54**	
	1.172	18.19	10.41	28.60	46.00	17.40	
	1.858	19.24	10.44	29.68	46.00	16.32	
	4.202	21.58	10.49	32.07	46.00	13.93	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity	:	48%RH
Test Mode	:	HDMI1 640*480@60Hz & 1kHz Playing	Date of Test	:	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.348	34.09	10.46	44.55	59.00	14.45	QP
	0.417	**34.04**	**10.43**	**44.47**	**57.51**	**13.04**	
	0.627	30.27	10.40	40.67	56.00	15.33	
	1.352	27.03	10.42	37.45	56.00	18.55	
	1.858	28.01	10.42	38.43	56.00	17.57	
	4.202	24.08	10.44	34.52	56.00	21.48	
	0.348	23.09	10.46	33.55	49.00	15.45	AV
	0.417	23.04	10.43	33.47	47.51	14.04	
	0.627	22.27	10.40	32.67	46.00	13.33	
	1.352	18.03	10.42	28.45	46.00	17.55	
	1.858	19.01	10.42	29.43	46.00	16.57	
	4.202	20.08	10.44	30.52	46.00	15.48	
Neutral	0.346	34.01	10.45	44.46	59.05	14.59	QP
	0.417	32.73	10.42	43.15	57.51	14.36	
	0.634	29.58	10.39	39.97	56.00	16.03	
	1.324	28.09	10.42	38.51	56.00	17.49	
	1.878	26.77	10.44	37.21	56.00	18.79	
	4.202	23.50	10.49	33.99	56.00	22.01	
	0.346	23.01	10.45	33.46	49.05	15.59	AV
	0.417	23.73	10.42	34.15	47.51	13.36	
	0.634	**22.58**	**10.39**	**32.97**	**46.00**	**13.03**	
	1.324	17.09	10.42	27.51	46.00	18.49	
	1.878	18.77	10.44	29.21	46.00	16.79	
	4.202	20.50	10.49	30.99	46.00	15.01	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity	:	48%RH
Test Mode	:	HDMI 1080P	Date of Test	:	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.332	34.82	10.46	45.28	59.40	14.12	QP
	0.413	**34.30**	**10.43**	**44.73**	**57.59**	**12.86**	
	0.634	29.14	10.40	39.54	56.00	16.46	
	1.324	26.17	10.42	36.59	56.00	19.41	
	1.858	27.59	10.42	38.01	56.00	17.99	
	4.202	24.99	10.44	35.43	56.00	20.57	
	0.332	23.82	10.46	34.28	49.40	15.12	AV
	0.413	23.30	10.43	33.73	47.59	13.86	
	0.634	22.14	10.40	32.54	46.00	13.46	
	1.324	18.17	10.42	28.59	46.00	17.41	
	1.858	16.59	10.42	27.01	46.00	18.99	
	4.202	21.99	10.44	32.43	46.00	13.57	
Neutral	0.339	34.63	10.45	45.08	59.22	14.14	QP
	0.408	33.85	10.42	44.27	57.68	13.41	
	0.627	30.60	10.39	40.99	56.00	15.01	
	1.324	27.87	10.42	38.29	56.00	17.71	
	1.819	27.75	10.44	38.19	56.00	17.81	
	4.202	24.61	10.49	35.10	56.00	20.90	
	0.339	23.63	10.45	34.08	49.22	15.14	AV
	0.408	24.85	10.42	35.27	47.68	12.41	
	0.627	**24.60**	**10.39**	**34.99**	**46.00**	**11.01**	
	1.324	18.87	10.42	29.29	46.00	16.71	
	1.819	19.75	10.44	30.19	46.00	15.81	
	4.202	20.61	10.49	31.10	46.00	14.90	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity	:	48%RH
Test Mode	:	USB Play	Date of Test	:	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.332	35.45	10.46	45.91	59.40	13.49	QP
	0.408	34.45	10.43	44.88	57.68	12.80	
	0.634	29.71	10.40	40.11	56.00	15.89	
	1.324	27.19	10.42	37.61	56.00	18.39	
	1.858	27.05	10.42	37.47	56.00	18.53	
	4.202	24.37	10.44	34.81	56.00	21.19	
	0.332	24.45	10.46	34.91	49.40	14.49	AV
	0.408	23.45	10.43	33.88	47.68	13.80	
	0.634	**23.71**	**10.40**	**34.11**	**46.00**	**11.89**	
	1.324	16.19	10.42	26.61	46.00	19.39	
	1.858	19.05	10.42	29.47	46.00	16.53	
	4.202	19.37	10.44	29.81	46.00	16.19	
Neutral	0.332	35.55	10.45	46.00	59.40	13.40	QP
	0.413	33.57	10.42	43.99	57.59	13.60	
	0.634	29.46	10.39	39.85	56.00	16.15	
	1.172	27.57	10.41	37.98	56.00	18.02	
	1.819	28.78	10.44	39.22	56.00	16.78	
	4.202	24.80	10.49	35.29	56.00	20.71	
	0.332	23.55	10.45	34.00	49.40	15.40	AV
	0.413	24.57	10.42	34.99	47.59	12.60	
	0.634	**23.46**	**10.39**	**33.85**	**46.00**	**12.15**	
	1.172	19.57	10.41	29.98	46.00	16.02	
	1.819	19.78	10.44	30.22	46.00	15.78	
	4.202	21.80	10.49	32.29	46.00	13.71	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity	:	48%RH
Test Mode	:	LAN Play	Date of Test	:	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.332	35.50	10.46	45.96	59.40	13.44	QP
	0.408	34.35	10.43	44.78	57.68	12.90	
	0.634	29.09	10.40	39.49	56.00	16.51	
	1.172	27.01	10.41	37.42	56.00	18.58	
	1.858	28.96	10.42	39.38	56.00	16.62	
	4.202	24.98	10.44	35.42	56.00	20.58	
	0.332	23.50	10.46	33.96	49.40	15.44	AV
	0.408	23.35	10.43	33.78	47.68	13.90	
	0.634	**23.09**	**10.40**	**33.49**	**46.00**	**12.51**	
	1.172	18.01	10.41	28.42	46.00	17.58	
	1.858	19.96	10.42	30.38	46.00	15.62	
	4.202	19.98	10.44	30.42	46.00	15.58	
Neutral	0.352	35.78	10.44	46.22	58.91	12.69	QP
	0.408	33.54	10.42	43.96	57.68	13.72	
	0.634	29.38	10.39	39.77	56.00	16.23	
	1.324	28.61	10.42	39.03	56.00	16.97	
	1.858	27.56	10.44	38.00	56.00	18.00	
	4.202	24.35	10.49	34.84	56.00	21.16	
	0.352	24.78	10.44	35.22	48.91	13.69	AV
	0.408	22.54	10.42	32.96	47.68	14.72	
	0.634	**23.38**	**10.39**	**33.77**	**46.00**	**12.23**	
	1.324	19.61	10.42	30.03	46.00	15.97	
	1.858	18.56	10.44	29.00	46.00	17.00	
	4.202	21.35	10.49	31.84	46.00	14.16	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity	:	48%RH
Test Mode	:	WIFI	Date of Test	:	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.332	34.56	10.46	45.02	59.40	14.38	QP
	0.413	33.66	10.43	44.09	57.59	13.50	
	0.634	30.95	10.40	41.35	56.00	14.65	
	1.324	27.91	10.42	38.33	56.00	17.67	
	1.858	26.32	10.42	36.74	56.00	19.26	
	4.202	24.14	10.44	34.58	56.00	21.42	
	0.332	23.56	10.46	34.02	49.40	15.38	AV
	0.413	**24.66**	**10.43**	**35.09**	**47.59**	**12.50**	
	0.634	22.95	10.40	33.35	46.00	12.65	
	1.324	18.91	10.42	29.33	46.00	16.67	
	1.858	19.32	10.42	29.74	46.00	16.26	
	4.202	21.14	10.44	31.58	46.00	14.42	
Neutral	0.352	33.99	10.44	44.43	58.91	14.48	QP
	0.408	34.36	10.42	44.78	57.68	12.90	
	0.634	29.58	10.39	39.97	56.00	16.03	
	1.324	28.43	10.42	38.85	56.00	17.15	
	1.858	28.17	10.44	38.61	56.00	17.39	
	3.901	23.19	10.48	33.67	56.00	22.33	
	0.352	22.99	10.44	33.43	48.91	15.48	AV
	0.408	23.36	10.42	33.78	47.68	13.90	
	0.634	**23.58**	**10.39**	**33.97**	**46.00**	**12.03**	
	1.324	18.43	10.42	28.85	46.00	17.15	
	1.858	17.17	10.44	27.61	46.00	18.39	
	3.901	19.19	10.48	29.67	46.00	16.33	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	75H10D	Humidity	:	48%RH
Test Mode	:	MHL	Date of Test	:	May 31, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.325	33.33	10.47	43.80	59.57	15.77	QP
	0.408	33.68	10.43	44.11	57.68	13.57	
	0.627	29.47	10.40	39.87	56.00	16.13	
	1.160	27.90	10.41	38.31	56.00	17.69	
	1.819	27.58	10.42	38.00	56.00	18.00	
	4.202	24.48	10.44	34.92	56.00	21.08	
	0.325	23.33	10.47	33.80	49.57	15.77	AV
	0.408	24.68	10.43	35.11	47.68	12.57	
	0.627	**23.47**	**10.40**	**33.87**	**46.00**	**12.13**	
	1.160	18.90	10.41	29.31	46.00	16.69	
	1.819	18.58	10.42	29.00	46.00	17.00	
	4.202	20.48	10.44	30.92	46.00	15.08	
Neutral	0.348	33.70	10.45	44.15	59.00	14.85	QP
	0.417	32.39	10.42	42.81	57.51	14.70	
	0.634	30.47	10.39	40.86	56.00	15.14	
	1.172	27.63	10.41	38.04	56.00	17.96	
	1.858	27.59	10.44	38.03	56.00	17.97	
	4.202	23.15	10.49	33.64	56.00	22.36	
	0.348	23.70	10.45	34.15	49.00	14.85	AV
	0.417	23.39	10.42	33.81	47.51	13.70	
	0.634	**23.47**	**10.39**	**33.86**	**46.00**	**12.14**	
	1.172	19.63	10.41	30.04	46.00	15.96	
	1.858	18.59	10.44	29.03	46.00	16.97	
	4.202	21.15	10.49	31.64	46.00	14.36	

TEST ENGINEER: KALSI CHEN

4 RADIATED EMISSION TEST

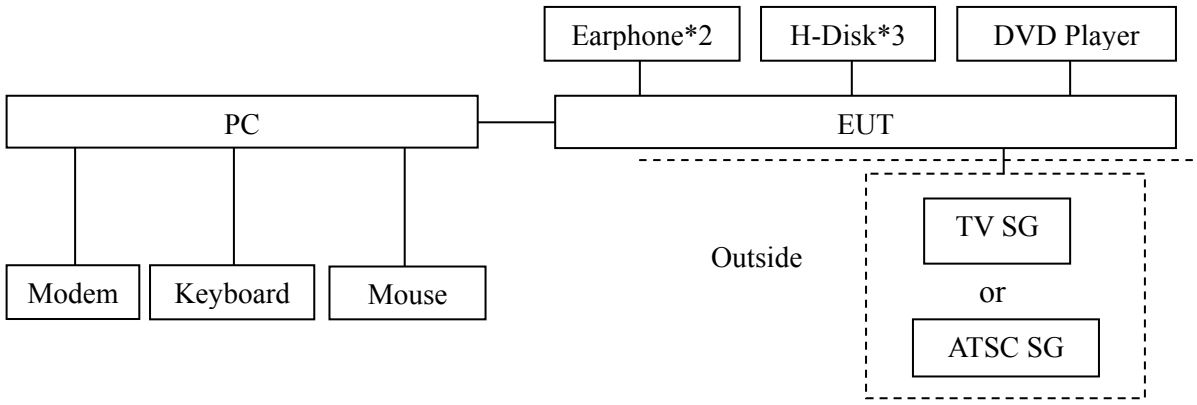
4.1 Test Equipment

The following test equipments are used during the radiated emission test in a semi-anechoic chamber:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	101303	May 07, 2017	May 06, 2018
2.	Preamplifier	Agilent	8447D	2944A06664	Apr 27, 2017	Apr 26, 2018
3.	Preamplifier	HP	8449B	3008A00864	Mar 20, 2017	Mar 19, 2018
4.	Bi-log Antenna	TESEQ	CBL6112D	23193	May 15, 2017	May 14, 2018
5.	Horn Antenna	EMCO	3115	9607-4878	May 31, 2017	May 30, 2018
6.	Spectrum	Agilent	E7405A	MY45106600	Apr 26, 2017	Apr 25, 2018
7.	Software	Audix	e3	6.2007-9-10	--	--

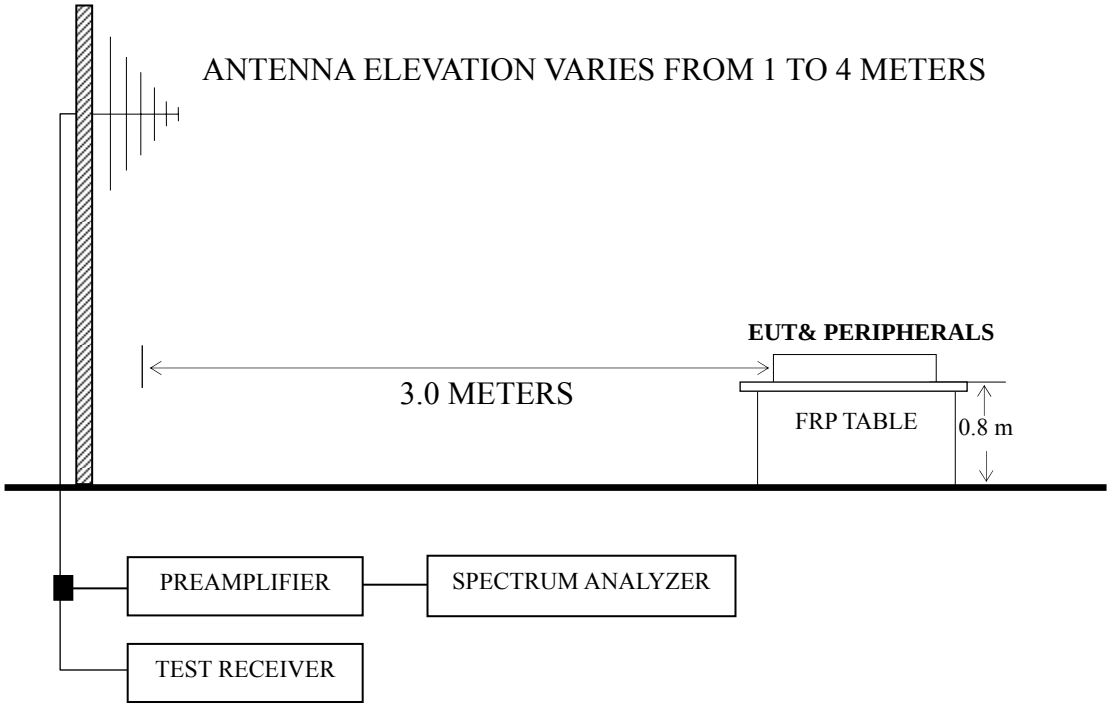
4.2 Block Diagram of Test Setup

4.2.1 EUT & Peripherals



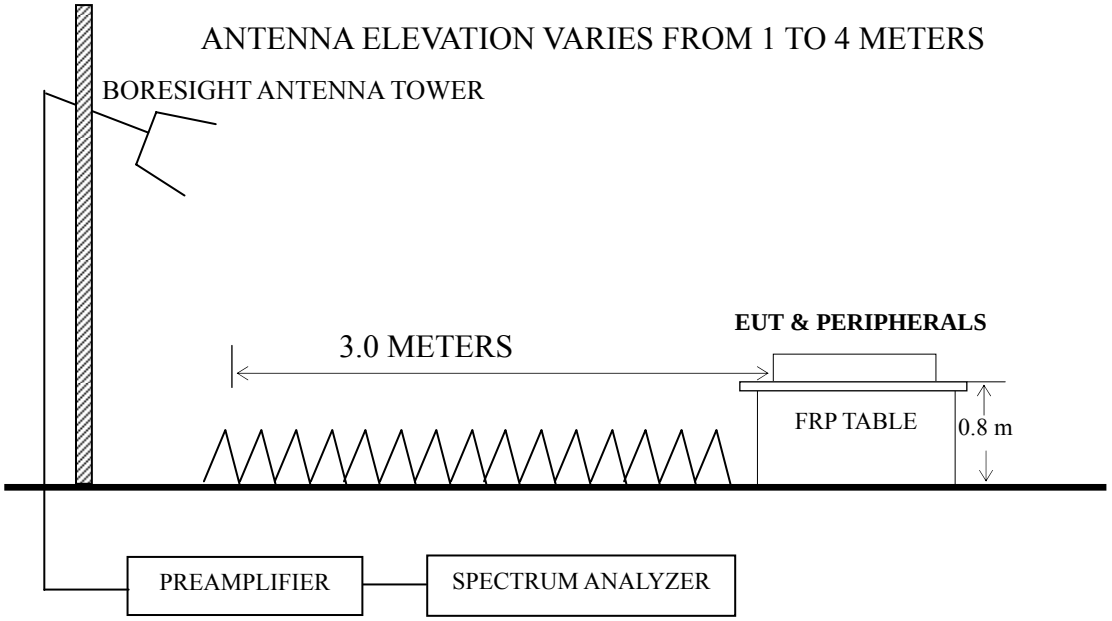
4.2.2 Radiated emission test setup

4.2.2.1 Below 1GHz



■ : 50 ohm Coaxial Switch

4.2.2.2 Above 1GHz



4.3 Radiated Emission Limit [FCC Part 15 Subpart B 15.109(a)]

Frequency (MHz)	Distance (m)	Field strength limits	
		(μV/m)	dB (μV/m)
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

NOTE 1 - Emission Level dB (μV/m) = 20 log Emission Level (μV/m)
NOTE 2 - The tighter limit applies at the band edges.
NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
NOTE 4 - The limits shown are based on Quasi-peak value detector.
NOTE 5 - Above 1 GHz, the limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT.

4.4 Test Configuration

The configuration of the EUT and peripherals are same as those used in conducted emission test.

Please refer to Sec.3.4.

4.5 Operating Condition of EUT

Same as conducted emission test which is listed in Sec.3.5, except for the test setup replaced by Sec.4.2.

4.6 Test Procedures

The EUT and peripherals were placed on a FRP turntable that is 0.8 meter above ground. The FRP turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. Broadband antenna (Calibrated Bilog Antenna) was used as receiving antenna. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to ANSI C63.4 requirements during radiated emission test.

The I.F. bandwidth of Test Receiver R&S ESCI was set at 120 kHz.

The frequency range from 30 MHz to 1000MHz was checked for all test modes.

The frequency range from 1 GHz to 5 GHz was checked for the maximum resolution test mode.

The test modes were done on radiated disturbance test and all the test results are listed in Sec.4.7.

4.7 Test Results

<PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

Test Mode	Data Page
HDMI1 3840*2160@60Hz & 1kHz playing	P30
HDMI2 3840*2160@60Hz & 1kHz playing	P31
HDMI3 3840*2160@30Hz & 1kHz playing	P32
HDMI4 3840*2160@30Hz & 1kHz playing	P33-P34
HDMI4 1920*1080@60Hz & 1kHz playing	P35
HDMI4 1280*1024@60Hz & 1kHz playing	P36
HDMI4 640*480@60Hz & 1kHz playing	P37
HDMI1080P	P38
USB Play	P39
LAN Play	P40
WIFI	P41
MHL	P42

NOTE 1 – Emission Level = Antenna Factor + Cable Loss + Meter Reading. (< 1GHz);
Emission Level = Antenna Factor + Cable Loss – Preamp Factor + Meter Reading. (> 1GHz)

NOTE 2 – All readings are Quasi-Peak values below or equal to 1GHz, Peak and Average values above 1GHz.

NOTE 3 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

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EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	73.876	25.49	8.27	0.83	34.59	40.00	5.41
	140.835	23.39	12.43	1.24	37.06	43.50	6.44
	297.224	20.16	13.90	1.76	35.82	46.00	10.18
	480.528	16.31	18.00	2.25	36.56	46.00	9.44
	768.748	15.91	20.63	2.82	39.36	46.00	6.64
	854.025	**18.39**	**20.93**	**2.96**	**42.28**	**46.00**	**3.72**
Vertical	35.005	18.32	16.04	0.60	34.96	40.00	5.04
	75.977	25.16	8.59	0.84	34.59	40.00	5.41
	114.114	21.84	12.96	1.09	35.89	43.50	7.61
	480.528	19.23	18.00	2.25	39.48	46.00	6.52
	661.151	15.29	19.90	2.62	37.81	46.00	8.19
	851.035	**18.50**	**20.93**	**2.96**	**42.39**	**46.00**	**3.61**

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz playing	Date of Test :	Jun 01, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	74.919	25.59	8.40	0.84	34.83	40.00	5.17
	139.851	22.75	12.50	1.23	36.48	43.50	7.02
	297.224	21.08	13.90	1.76	36.74	46.00	9.26
	480.528	16.69	18.00	2.25	36.94	46.00	9.06
	782.345	15.42	20.73	2.83	38.98	46.00	7.02
	854.025	**18.01**	**20.93**	**2.96**	**41.90**	**46.00**	**4.10**
Vertical	31.955	17.06	17.70	0.57	35.33	40.00	4.67
	77.051	25.40	8.84	0.85	35.09	40.00	4.91
	112.92	22.29	12.93	1.08	36.30	43.50	7.20
	480.528	19.18	18.00	2.25	39.43	46.00	6.57
	721.726	16.67	20.50	2.73	39.90	46.00	6.10
	860.035	**17.76**	**21.00**	**2.96**	**41.72**	**46.00**	**4.28**

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI3 3840*2160@60Hz & 1kHz playing	Date of Test :	Jun 01, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	73.876	26.50	8.27	0.83	35.60	40.00	4.40
	140.835	23.27	12.43	1.24	36.94	43.50	6.56
	234.991	19.90	11.70	1.60	33.20	46.00	12.80
	482.216	16.25	18.04	2.26	36.55	46.00	9.45
	752.743	15.03	20.70	2.78	38.51	46.00	7.49
	860.035	**17.65**	**21.00**	**2.96**	**41.61**	**46.00**	**4.39**
Vertical	**34.037**	**17.66**	**16.90**	**0.59**	**35.15**	**40.00**	**4.85**
	77.865	24.97	8.96	0.85	34.78	40.00	5.22
	110.957	22.12	12.84	1.07	36.03	43.50	7.47
	480.528	18.00	18.00	2.25	38.25	46.00	7.75
	661.151	15.31	19.90	2.62	37.83	46.00	8.17
	857.025	18.43	20.97	2.96	42.36	46.00	3.64

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI4 3840*2160@60Hz & 1kHz playing	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	73.876	25.54	8.27	0.83	--	34.64	40.00	5.36	QP
	140.835	23.16	12.43	1.24	--	36.83	43.50	6.67	
	238.31	19.51	11.88	1.61	--	33.00	46.00	13.00	
	480.528	17.02	18.00	2.25	--	37.27	46.00	8.73	
	760.704	15.59	20.70	2.80	--	39.09	46.00	6.91	
	854.025	**18.42**	**20.93**	**2.96**	**--**	**42.31**	**46.00**	**3.69**	
	1491.172	48.99	25.57	3.86	35.75	42.67	74.00	31.33	PK
	2080.961	45.77	27.66	4.53	35.20	42.76	74.00	31.24	
	2693.504	46.90	29.27	5.25	35.20	46.22	74.00	27.78	
	1491.172	34.73	25.57	3.86	35.75	28.41	54.00	25.59	AV
	2080.961	31.92	27.66	4.53	35.20	28.91	54.00	25.09	
	2693.504	31.78	29.27	5.25	35.20	31.10	54.00	22.90	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI4 3840*2160@60Hz & 1kHz playing	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	36.001	19.70	15.30	0.61	--	35.61	40.00	4.39	QP
	77.051	25.35	8.84	0.85	--	35.04	40.00	4.96	
	114.917	19.49	13.00	1.10	--	33.59	43.50	9.91	
	480.528	19.35	18.00	2.25	--	39.60	46.00	6.40	
	776.878	15.51	20.67	2.82	--	39.00	46.00	7.00	
	860.035	**18.78**	**21.00**	**2.96**	**--**	**42.74**	**46.00**	**3.26**	
	1228.818	50.27	24.57	3.56	36.11	42.29	74.00	31.71	PK
	1660.416	49.97	26.26	4.06	35.55	44.74	74.00	29.26	
	4408.687	41.89	33.46	6.67	34.07	47.95	74.00	26.05	
	1228.818	35.38	24.57	3.56	36.11	27.40	54.00	26.60	AV
	1660.416	34.83	26.26	4.06	35.55	29.60	54.00	24.40	
	4408.687	27.64	33.46	6.67	34.07	33.70	54.00	20.30	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI4 1920*1080@60Hz & 1kHz Playing	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	82.938	24.08	9.91	0.88	34.87	40.00	5.13
	138.874	23.70	12.39	1.23	37.32	43.50	6.18
	239.987	21.68	12.00	1.61	35.29	46.00	10.71
	480.528	16.98	18.00	2.25	37.23	46.00	8.77
	760.704	15.87	20.70	2.80	39.37	46.00	6.63
	896.997	**16.96**	**20.93**	**3.03**	**40.92**	**46.00**	**5.08**
Vertical	**36.001**	**19.13**	**15.30**	**0.61**	**35.04**	**40.00**	**4.96**
	75.977	25.37	8.59	0.84	34.80	40.00	5.20
	369.405	18.95	15.80	1.98	36.73	46.00	9.27
	480.528	18.66	18.00	2.25	38.91	46.00	7.09
	684.745	16.63	20.25	2.67	39.55	46.00	6.45
	860.035	14.75	21.00	2.96	38.71	46.00	7.29

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI4 1280*1024@60Hz & 1kHz Playing	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	**74.919**	**26.57**	**8.40**	**0.84**	**35.81**	**40.00**	**4.19**
	82.938	24.20	9.91	0.88	34.99	40.00	5.01
	141.826	23.25	12.27	1.24	36.76	43.50	6.74
	480.528	18.14	18.00	2.25	38.39	46.00	7.61
	766.057	15.28	20.67	2.80	38.75	46.00	7.25
	893.857	16.37	20.97	3.03	40.37	46.00	5.63
Vertical	**35.005**	**18.60**	**16.04**	**0.60**	**35.24**	**40.00**	**4.76**
	77.865	24.01	8.96	0.85	33.82	40.00	6.18
	110.957	22.23	12.84	1.07	36.14	43.50	7.36
	480.528	19.67	18.00	2.25	39.92	46.00	6.08
	661.151	17.79	19.90	2.62	40.31	46.00	5.69
	863.056	15.05	21.00	2.98	39.03	46.00	6.97

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI4 640*480@60Hz & 1kHz Playing	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	**77.051**	**24.83**	**8.84**	**0.85**	**34.52**	**40.00**	**5.48**
	139.851	23.26	12.50	1.23	36.99	43.50	6.51
	238.31	20.02	11.88	1.61	33.51	46.00	12.49
	480.528	19.04	18.00	2.25	39.29	46.00	6.71
	768.748	15.88	20.63	2.82	39.33	46.00	6.67
	863.056	16.02	21.00	2.98	40.00	46.00	6.00
Vertical	**35.005**	**18.42**	**16.04**	**0.60**	**35.06**	**40.00**	**4.94**
	75.977	25.11	8.59	0.84	34.54	40.00	5.46
	110.957	22.90	12.84	1.07	36.81	43.50	6.69
	480.528	19.76	18.00	2.25	40.01	46.00	5.99
	651.942	17.96	19.82	2.61	40.39	46.00	5.61
	851.035	16.77	20.93	2.96	40.66	46.00	5.34

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	HDMI1080P	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	**79.243**	**23.72**	**9.21**	**0.86**	**33.79**	**40.00**	**6.21**
	142.824	21.34	12.12	1.25	34.71	43.50	8.79
	239.987	18.15	12.00	1.61	31.76	46.00	14.24
	487.315	12.28	18.16	2.26	32.70	46.00	13.30
	774.158	13.66	20.63	2.82	37.11	46.00	8.89
	872.183	14.87	21.00	2.98	38.85	46.00	7.15
Vertical	32.179	16.11	17.59	0.57	34.27	40.00	5.73
	78.965	**24.53**	**9.15**	**0.86**	**34.54**	**40.00**	**5.46**
	136.46	17.63	12.17	1.22	31.02	43.50	12.48
	382.588	16.63	16.12	2.02	34.77	46.00	11.23
	511.835	14.20	18.50	2.33	35.03	46.00	10.97
	827.493	13.38	21.03	2.92	37.33	46.00	8.67

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :		22℃
Model No.	:	75H10D	Humidity	:	60%RH
Test Mode	:	USB Play	Date of Test	:	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	**78.689**	**24.46**	**9.15**	**0.86**	**34.47**	**40.00**	**5.53**
	132.685	21.22	12.22	1.20	34.64	43.50	8.86
	238.31	18.80	11.88	1.61	32.29	46.00	13.71
	375.939	15.41	15.97	1.99	33.37	46.00	12.63
	564.639	15.56	18.80	2.43	36.79	46.00	9.21
	774.158	13.23	20.63	2.82	36.68	46.00	9.32
Vertical	**73.876**	**24.66**	**8.27**	**0.83**	**33.76**	**40.00**	**6.24**
	115.321	20.13	13.02	1.10	34.25	43.50	9.25
	142.324	18.92	12.20	1.24	32.36	43.50	11.14
	362.985	15.70	15.73	1.96	33.39	46.00	12.61
	517.248	16.58	18.50	2.33	37.41	46.00	8.59
	804.603	12.76	20.80	2.87	36.43	46.00	9.57

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	LAN Play	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	**78.413**	**24.71**	**9.09**	**0.85**	**34.65**	**40.00**	**5.35**
	134.088	21.90	12.06	1.20	35.16	43.50	8.34
	357.929	15.54	15.59	1.95	33.08	46.00	12.92
	526.397	12.26	18.50	2.36	33.12	46.00	12.88
	724.261	11.54	20.47	2.74	34.75	46.00	11.25
	916.069	10.50	21.17	3.08	34.75	46.00	11.25
Vertical	**32.52**	**17.86**	**17.49**	**0.58**	**35.93**	**40.00**	**4.07**
	75.977	25.05	8.59	0.84	34.48	40.00	5.52
	116.54	19.09	13.06	1.11	33.26	43.50	10.24
	361.714	17.25	15.72	1.96	34.93	46.00	11.07
	504.706	15.07	18.44	2.31	35.82	46.00	10.18
	668.142	14.35	20.05	2.64	37.04	46.00	8.96

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	WIFI	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	**33.68**	**14.35**	**17.01**	**0.59**	**31.95**	**40.00**	**8.05**
	51.662	21.28	7.83	0.73	29.84	40.00	10.16
	76.781	24.77	8.77	0.85	34.39	40.00	5.61
	134.088	20.79	12.06	1.20	34.05	43.50	9.45
	397.633	13.79	16.27	2.05	32.11	46.00	13.89
	742.259	13.30	20.57	2.76	36.63	46.00	9.37
Vertical	**33.799**	**17.23**	**17.01**	**0.59**	**34.83**	**40.00**	**5.17**
	50.057	21.80	8.30	0.72	30.82	40.00	9.18
	74.919	24.63	8.40	0.84	33.87	40.00	6.13
	148.963	17.58	11.64	1.28	30.50	43.50	13.00
	343.18	14.17	15.16	1.90	31.23	46.00	14.77
	677.58	14.35	20.17	2.66	37.18	46.00	8.82

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	75H10D	Humidity :	60%RH
Test Mode	:	MHL	Date of Test :	Jun 06, 2017

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	37.945	17.77	13.50	0.63	31.90	40.00	8.10
	69.845	**25.26**	**7.65**	**0.82**	**33.73**	**40.00**	**6.27**
	126.329	**20.59**	**12.81**	**1.16**	**34.56**	**43.50**	8.94
	360.448	14.13	15.70	1.95	31.78	46.00	14.22
	562.662	14.32	18.75	2.43	35.50	46.00	10.50
	793.396	10.80	20.80	2.85	34.45	46.00	11.55
Vertical	**33.562**	**17.25**	**17.06**	**0.59**	**34.90**	**40.00**	**5.10**
	74.396	25.57	8.31	0.84	34.72	40.00	5.28
	144.335	19.55	11.97	1.25	32.77	43.50	10.73
	317.701	16.33	14.35	1.83	32.51	46.00	13.49
	408.946	15.20	16.80	2.08	34.08	46.00	11.92
	645.12	14.12	19.80	2.61	36.53	46.00	9.47

TEST ENGINEER: LEON YUN

5 DEVIATION TO TEST SPECIFICATIONS

None.

6 DEBUG DESCRIPTION

The following components are used during the countermeasure procedures:

Name	M/N	Manufacturer	Location
SM Contact	SMR-TSL-4-3.5-5R	Qingdao Joinset	See Appendix Figure 27，28
Bar Connector	GH-20Y-10Y-1625-3HP	Qingdao Hisense Electric Co., Ltd.	See Appendix Figure 25，26

Note: We had required the applicant and manufacturer that all electrical and mechanical devices employed for spurious radiation suppression, including any modifications made during testing, must be incorporated in each unit marked

TEST ENGINEER: Byron Wu

(BYRON WU)