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

LED LCD TV

Model No.:

65H6D, 65H6D+, 65H6+0D, 65H+0D1, 65H6+0D2,
65H60+0D, 65H60+0D1, 65H60+0D2, 65DU6+00, 65DU60+0

Brand: Hisense

FCC ID : W9HLCDF0102

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-F17022A1
Date of Test : Jun 14-18, 2017
Date of Report : Jun 26, 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 Jun 14-18, 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.F17217, a Verification report.

Date of Test : Jun 14-18, 2017 Date of Report : Jun 26, 2017

Producer : Alan He
ALAN HE / Assistant

Review : Byron Wu
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 4.10dB at 0.151MHz	
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 2.93dB at 32.979MHz (Horizontal, 1.3m/70°)	

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : LED LCD TV

Type of EUT : ☑ Production ☐ Pre-product ☐ Pro-type

Model No : 65H6D, 65H6+0D, 65H+0D1, 65H6+0D2, 65H60+0D, 65H60+0D1, 65H60+0D2, 65DU6+00, 65DU60+0

Note #1 : The above models are all the same except for model number. 65H6D model is tested and recorded in the report.

Note #2 : "+"represents any of the Arabic numeral.

Note #3 : The modified histories of report are as follows:

Report No.	Model No.	Rev. Summary	Edition No.	Data of Rev.
ACI-F17022	65H6D, 65H6D+	Original Report	0	Jan 12, 2017
ACI-F17022A1	65H6D, 65H6+0D, 65H+0D1, 65H6+0D2, 65H60+0D, 65H60+0D1, 65H60+0D2, 65DU6+00, 65DU60+0	1.To change panel 2.To add eight models	Rev. A1	Jun 26, 2017

Note #4 : The tuner port comply with the 15.111 requirement.

Brand : Hisense

RF module FCC ID : 2AJVQ-ZDGFMT7612U

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, Chih., 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 : HD650M5U52-B1

Tuner	:	Manufacturer : Silicon Labs M/N : Si2151-A10
Max Resolution	:	3840*2160@60Hz
HDMI Cable*4 (Lab provide)	:	Shielded, Detachable, 1.80m
LAN Cable	:	Shielded, Detachable, 1.50m
Power Cord	:	Unshielded, Detachable, 1.80m, 2C
USB Cable*3 (Lab provide)	:	Shielded, Detachable, 1.00m

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

Side View:
(1) One ANT Port
: Connected with ATSC SG/TV SG
(2) One Service Port
: Do not open to customer
(3) One AUDIO OUT Port
: Connected with Earphone
(4) Three USB Ports
: Connected with Hard-Disk*3
(5) One HDMI1/MHL Port
: Connected with Mobile phone
(6) One HDMI2 Port
: Connected with PC

Bottom View:
(7) One AV/COMPONENT IN Port
: Connected with DVD Player
(8) One DIGITALAUDIO OUT Port
: Connected with Audio Converter to Earphone
(9) One ETHERNET Port
: Connected with PC
(10) One HDMI3 Port
: Connected with PC
(11) 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

Manufacture r	:	Microsoft
Model Number	:	RT2300
Serial Number	:	7668200662248
Data Cable	:	Shielded, Detachable, 1.5m
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, Detachable, 1.5m.
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, 1.5m
Certificate	:	CCC

2.2.5 Earphone *2

Manufacturer	:	EDIFIER
Model Number	:	H210

2.2.6 DVD Player

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

2.2.7 Hard Disk #1

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

2.2.8 Hard Disk #2

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

2.2.9 Hard Disk #3

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

2.2.10 Mobile Phone

Manufacturer	:	SAMSUNG
Model Number	:	GT-I9100G
Serial Number	:	6935152011519

2.2.11 ATSC Signal Generator

Manufacturer	:	SENCORE
Model Number	:	ATSC997
Serial Number	:	6790071

2.2.12 TV Signal Generator

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

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

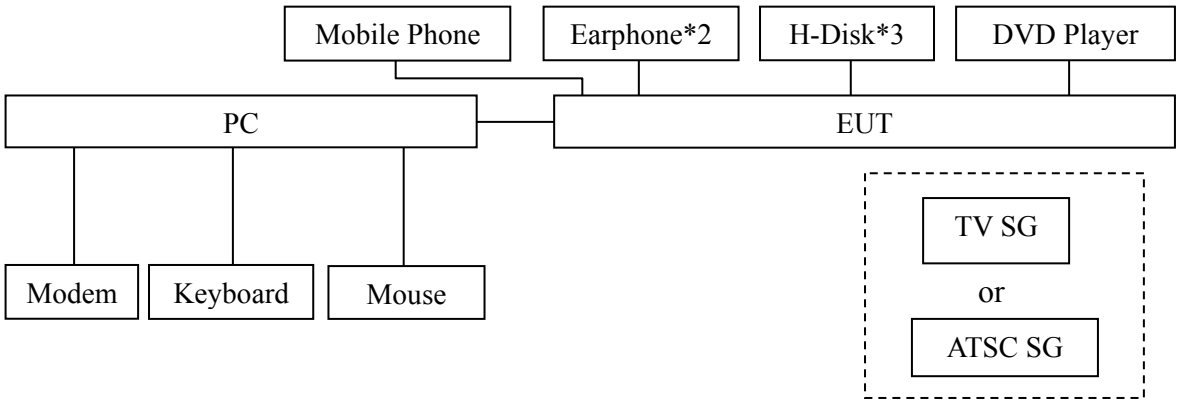
3.1 Test Equipment

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

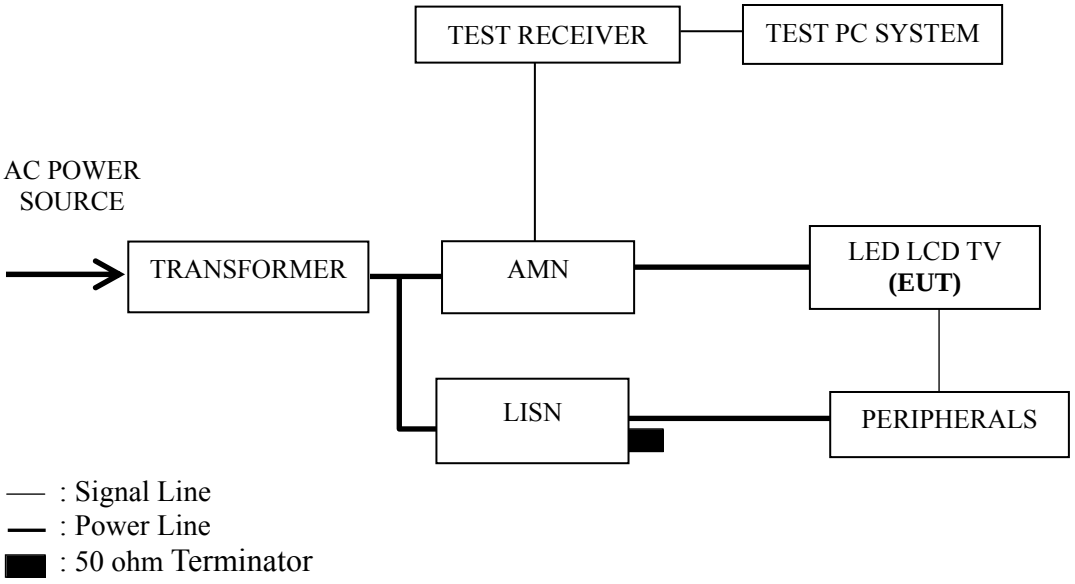
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	101302	Apr 27, 2017	Apr 26, 2018
2.	Artificial Mains Network (AMN)	R&S	ENV4200	100125	Jun 25, 2016	Jun 24, 2017
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-4	Mar 17, 2017	Mar 16, 2018
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
HDMI1 1920*1080@60Hz & 1kHz playing
HDMI1 1280*1024@60Hz & 1kHz playing
HDMI1 640*480@60Hz & 1kHz playing
HDMI2 3840*2160@60Hz & 1kHz playing
HDMI3 3840*2160@30Hz & 1kHz playing
HDMI4 3840*2160@30Hz & 1kHz playing
HDMI1080P
USB Play
LAN Play
MHL
WIFI

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**
HDMI1 1920*1080@60Hz & 1kHz playing	P15
HDMI1 1280*1024@60Hz & 1kHz playing	P16
HDMI1 640*480@60Hz & 1kHz playing	P17
HDMI2 3840*2160@60Hz & 1kHz playing	P18
HDMI3 3840*2160@30Hz & 1kHz playing	P19
HDMI4 3840*2160@30Hz & 1kHz playing	P20
HDMI1080P	P21
USB Play	P22
LAN Play	P23
MHL	P24
WIFI	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.	:	65H6D	Humidity :	48%RH	
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test :	Jun 14, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**51.28**	**10.59**	**61.87**	**65.97**	**4.10**	QP
	0.206	44.39	10.54	54.93	63.36	8.43	
	1.160	33.68	10.41	44.09	56.00	11.91	
	1.908	28.42	10.42	38.84	56.00	17.16	
	2.422	31.65	10.43	42.08	56.00	13.92	
	14.517	30.16	10.56	40.72	60.00	19.28	
	0.151	37.20	10.59	47.79	55.97	8.18	AV
	0.206	31.39	10.54	41.93	53.36	11.43	
	1.160	20.68	10.41	31.09	46.00	14.91	
	1.908	16.42	10.42	26.84	46.00	19.16	
	2.422	20.65	10.43	31.08	46.00	14.92	
	14.517	25.16	10.56	35.72	50.00	14.28	
Neutral	0.150	49.94	10.58	60.52	65.98	5.46	QP
	0.180	43.78	10.55	54.33	64.50	10.17	
	0.634	31.46	10.39	41.85	56.00	14.15	
	0.909	31.87	10.41	42.28	56.00	13.72	
	1.628	30.60	10.43	41.03	56.00	14.97	
	14.517	30.58	10.66	41.24	60.00	18.76	
	0.150	30.40	10.58	40.98	55.98	15.00	AV
	0.180	29.78	10.55	40.33	54.50	14.17	
	0.634	19.46	10.39	29.85	46.00	16.15	
	0.909	19.87	10.41	30.28	46.00	15.72	
	1.628	19.60	10.43	30.03	46.00	15.97	
	14.517	25.58	10.66	36.24	50.00	13.76	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity :	48%RH	
Test Mode	:	HDMI1 1920*1080@60Hz & 1kHz Playing	Date of Test :	Jun 14, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**50.92**	**10.59**	**61.51**	**65.97**	**4.46**	QP
	0.190	44.00	10.55	54.55	64.02	9.47	
	0.909	33.95	10.41	44.36	56.00	11.64	
	1.141	28.44	10.41	38.85	56.00	17.15	
	1.698	31.41	10.42	41.83	56.00	14.17	
	15.718	30.43	10.57	41.00	60.00	19.00	
	0.151	37.20	10.59	47.79	55.97	8.18	AV
	0.190	31.00	10.55	41.55	54.02	12.47	
	0.909	20.95	10.41	31.36	46.00	14.64	
	1.141	16.44	10.41	26.85	46.00	19.15	
	1.698	20.41	10.42	30.83	46.00	15.17	
	15.718	25.43	10.57	36.00	50.00	14.00	
Neutral	0.151	49.28	10.58	59.86	65.95	6.09	QP
	0.188	43.52	10.54	54.06	64.11	10.05	
	0.641	31.73	10.39	42.12	56.00	13.88	
	0.909	31.85	10.41	42.26	56.00	13.74	
	2.422	31.00	10.45	41.45	56.00	14.55	
	15.718	30.63	10.68	41.31	60.00	18.69	
	0.151	29.20	10.58	39.78	55.95	16.17	AV
	0.188	29.52	10.54	40.06	54.11	14.05	
	0.641	19.73	10.39	30.12	46.00	15.88	
	0.909	19.85	10.41	30.26	46.00	15.74	
	2.422	20.00	10.45	30.45	46.00	15.55	
	15.718	25.63	10.68	36.31	50.00	13.69	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity :	48%RH	
Test Mode	:	HDMI1 1280*1024@60Hz & 1kHz Playing	Date of Test :	Jun 14, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.152	50.03	10.59	60.62	65.90	5.28	QP
	0.213	44.16	10.53	54.69	63.10	8.41	
	0.923	33.70	10.41	44.11	56.00	11.89	
	1.160	28.45	10.41	38.86	56.00	17.14	
	1.680	31.32	10.41	41.73	56.00	14.27	
	14.517	30.45	10.56	41.01	60.00	18.99	
	0.152	36.90	10.59	47.49	55.90	8.41	AV
	0.213	31.16	10.53	41.69	53.10	11.41	
	0.923	20.70	10.41	31.11	46.00	14.89	
	1.160	17.45	10.41	27.86	46.00	18.14	
	1.680	20.32	10.41	30.73	46.00	15.27	
	14.517	25.45	10.56	36.01	50.00	13.99	
Neutral	**0.150**	**50.47**	**10.58**	**61.05**	**65.98**	**4.93**	QP
	0.208	43.12	10.52	53.64	63.27	9.63	
	0.899	31.13	10.41	41.54	56.00	14.46	
	1.698	31.12	10.44	41.56	56.00	14.44	
	2.474	30.46	10.45	40.91	56.00	15.09	
	14.517	30.38	10.66	41.04	60.00	18.96	
	0.150	37.00	10.58	47.58	55.98	8.40	AV
	0.208	29.12	10.52	39.64	53.27	13.63	
	0.899	19.13	10.41	29.54	46.00	16.46	
	1.698	19.12	10.44	29.56	46.00	16.44	
	2.474	19.46	10.45	29.91	46.00	16.09	
	14.517	25.38	10.66	36.04	50.00	13.96	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity :	48%RH	
Test Mode	:	HDMI1 640*480@60Hz & 1kHz Playing	Date of Test :	Jun 14, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.152**	**49.96**	**10.59**	**60.55**	**65.90**	**5.35**	QP
	0.204	44.20	10.54	54.74	63.45	8.71	
	0.621	33.30	10.40	43.70	56.00	12.30	
	1.141	28.68	10.41	39.09	56.00	16.91	
	2.396	31.69	10.43	42.12	56.00	13.88	
	16.398	30.32	10.58	40.90	60.00	19.10	
	0.152	27.70	10.59	38.29	55.90	17.61	AV
	0.204	31.20	10.54	41.74	53.45	11.71	
	0.621	20.30	10.40	30.70	46.00	15.30	
	1.141	16.68	10.41	27.09	46.00	18.91	
	2.396	19.69	10.43	30.12	46.00	15.88	
	16.398	24.32	10.58	34.90	50.00	15.10	
Neutral	0.151	49.78	10.58	60.36	65.97	5.61	QP
	0.206	42.91	10.53	53.44	63.36	9.92	
	0.880	31.63	10.41	42.04	56.00	13.96	
	1.698	31.87	10.44	42.31	56.00	13.69	
	2.474	30.10	10.45	40.55	56.00	15.45	
	16.398	30.24	10.68	40.92	60.00	19.08	
	0.151	30.00	10.58	40.58	55.97	15.39	AV
	0.206	28.91	10.53	39.44	53.36	13.92	
	0.880	20.63	10.41	31.04	46.00	14.96	
	1.698	19.87	10.44	30.31	46.00	15.69	
	2.474	19.10	10.45	29.55	46.00	16.45	
	16.398	25.24	10.68	35.92	50.00	14.08	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity :	48%RH	
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz playing	Date of Test :	Jun 14, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.151	48.56	10.59	59.15	65.97	6.82	QP
	0.180	44.63	10.56	55.19	64.50	9.31	
	0.909	33.34	10.41	43.75	56.00	12.25	
	1.153	28.10	10.41	38.51	56.00	17.49	
	1.662	31.42	10.41	41.83	56.00	14.17	
	15.718	30.36	10.57	40.93	60.00	19.07	
	0.151	30.60	10.59	41.19	55.97	14.78	AV
	0.180	31.63	10.56	42.19	54.50	12.31	
	0.909	20.34	10.41	30.75	46.00	15.25	
	1.153	16.10	10.41	26.51	46.00	19.49	
	1.662	20.42	10.41	30.83	46.00	15.17	
	15.718	25.36	10.57	35.93	50.00	14.07	
Neutral	**0.151**	**49.53**	**10.58**	**60.11**	**65.97**	**5.86**	QP
	0.194	43.21	10.54	53.75	63.84	10.09	
	0.627	31.64	10.39	42.03	56.00	13.97	
	0.923	31.78	10.41	42.19	56.00	13.81	
	1.680	30.22	10.43	40.65	56.00	15.35	
	14.213	30.95	10.65	41.60	60.00	18.40	
	0.151	30.20	10.58	40.78	55.97	15.19	AV
	0.194	29.21	10.54	39.75	53.84	14.09	
	0.627	19.64	10.39	30.03	46.00	15.97	
	0.923	19.78	10.41	30.19	46.00	15.81	
	1.680	19.22	10.43	29.65	46.00	16.35	
	14.213	25.95	10.65	36.60	50.00	13.40	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity :	48%RH	
Test Mode	:	HDMI3 3840*2160@30Hz & 1kHz playing	Date of Test :	Jun 14, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.153**	**49.04**	**10.59**	**59.63**	**65.86**	**6.23**	QP
	0.183	43.50	10.55	54.05	64.33	10.28	
	0.923	33.30	10.41	43.71	56.00	12.29	
	1.172	28.84	10.41	39.25	56.00	16.75	
	1.680	31.59	10.41	42.00	56.00	14.00	
	14.364	30.44	10.55	40.99	60.00	19.01	
	0.153	27.20	10.59	37.79	55.86	18.07	AV
	0.183	31.50	10.55	42.05	54.33	12.28	
	0.923	21.30	10.41	31.71	46.00	14.29	
	1.172	16.84	10.41	27.25	46.00	18.75	
	1.680	20.59	10.41	31.00	46.00	15.00	
	14.364	25.44	10.55	35.99	50.00	14.01	
Neutral	0.151	48.40	10.58	58.98	65.97	6.99	QP
	0.206	43.14	10.53	53.67	63.36	9.69	
	0.641	31.57	10.39	41.96	56.00	14.04	
	0.909	31.94	10.41	42.35	56.00	13.65	
	1.908	30.48	10.44	40.92	56.00	15.08	
	14.364	30.66	10.65	41.31	60.00	18.69	
	0.151	37.00	10.58	47.58	55.97	8.39	AV
	0.206	29.14	10.53	39.67	53.36	13.69	
	0.641	19.57	10.39	29.96	46.00	16.04	
	0.909	19.94	10.41	30.35	46.00	15.65	
	1.908	19.48	10.44	29.92	46.00	16.08	
	14.364	25.66	10.65	36.31	50.00	13.69	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity :	48%RH	
Test Mode	:	HDMI4 3840*2160@30Hz & 1kHz playing	Date of Test :	Jun 14, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**48.43**	**10.59**	**59.02**	**65.96**	**6.94**	QP
	0.206	43.60	10.54	54.14	63.36	9.22	
	1.141	32.44	10.41	42.85	56.00	13.15	
	1.698	28.41	10.42	38.83	56.00	17.17	
	2.448	31.25	10.43	41.68	56.00	14.32	
	15.718	30.43	10.57	41.00	60.00	19.00	
	0.151	30.10	10.59	40.69	55.96	15.27	AV
	0.206	31.60	10.54	42.14	53.36	11.22	
	1.141	20.44	10.41	30.85	46.00	15.15	
	1.698	16.41	10.42	26.83	46.00	19.17	
	2.448	20.25	10.43	30.68	46.00	15.32	
	15.718	25.43	10.57	36.00	50.00	14.00	
Neutral	0.154	48.26	10.57	58.83	65.80	6.97	QP
	0.204	43.18	10.53	53.71	63.45	9.74	
	0.634	31.10	10.39	41.49	56.00	14.51	
	0.880	31.84	10.41	42.25	56.00	13.75	
	1.949	30.25	10.44	40.69	56.00	15.31	
	16.398	30.75	10.68	41.43	60.00	18.57	
	0.154	36.41	10.57	46.98	55.80	8.82	AV
	0.204	29.18	10.53	39.71	53.45	13.74	
	0.634	19.10	10.39	29.49	46.00	16.51	
	0.880	19.84	10.41	30.25	46.00	15.75	
	1.949	19.25	10.44	29.69	46.00	16.31	
	16.398	25.75	10.68	36.43	50.00	13.57	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity	:	48%RH
Test Mode	:	HDMI 1080P	Date of Test	:	Jun 14, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**50.49**	**10.59**	**61.08**	**65.97**	**4.89**	QP
	0.204	43.82	10.54	54.36	63.45	9.09	
	0.923	33.74	10.41	44.15	56.00	11.85	
	1.141	28.60	10.41	39.01	56.00	16.99	
	1.762	31.53	10.42	41.95	56.00	14.05	
	16.398	30.21	10.58	40.79	60.00	19.21	
	0.151	30.40	10.59	40.99	55.97	14.98	AV
	0.204	31.82	10.54	42.36	53.45	11.09	
	0.923	20.74	10.41	31.15	46.00	14.85	
	1.141	16.60	10.41	27.01	46.00	18.99	
	1.762	20.53	10.42	30.95	46.00	15.05	
	16.398	24.21	10.58	34.79	50.00	15.21	
Neutral	0.151	49.76	10.58	60.34	65.96	5.62	QP
	0.202	42.82	10.53	53.35	63.54	10.19	
	0.634	31.20	10.39	41.59	56.00	14.41	
	0.914	31.99	10.41	42.40	56.00	13.60	
	1.716	30.78	10.44	41.22	56.00	14.78	
	16.398	30.22	10.68	40.90	60.00	19.10	
	0.151	29.50	10.58	40.08	55.96	15.88	AV
	0.202	28.82	10.53	39.35	53.54	14.19	
	0.634	19.20	10.39	29.59	46.00	16.41	
	0.914	20.99	10.41	31.40	46.00	14.60	
	1.716	18.78	10.44	29.22	46.00	16.78	
	16.398	25.22	10.68	35.90	50.00	14.10	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity	:	48%RH
Test Mode	:	USB Play	Date of Test	:	Jun 14, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**50.41**	**10.59**	**61.00**	**65.96**	**4.96**	QP
	0.208	43.07	10.53	53.60	63.27	9.67	
	0.914	33.05	10.41	43.46	56.00	12.54	
	1.184	28.48	10.41	38.89	56.00	17.11	
	1.645	31.76	10.41	42.17	56.00	13.83	
	16.398	30.54	10.58	41.12	60.00	18.88	
	0.151	29.80	10.59	40.39	55.96	15.57	AV
	0.208	31.07	10.53	41.60	53.27	11.67	
	0.914	21.05	10.41	31.46	46.00	14.54	
	1.184	17.48	10.41	27.89	46.00	18.11	
	1.645	20.76	10.41	31.17	46.00	14.83	
	16.398	25.54	10.58	36.12	50.00	13.88	
Neutral	0.151	49.55	10.58	60.13	65.97	5.84	QP
	0.211	43.99	10.52	54.51	63.18	8.67	
	0.641	31.04	10.39	41.43	56.00	14.57	
	0.899	31.49	10.41	41.90	56.00	14.10	
	1.645	30.98	10.43	41.41	56.00	14.59	
	16.398	30.47	10.68	41.15	60.00	18.85	
	0.151	29.90	10.58	40.48	55.97	15.49	AV
	0.211	29.99	10.52	40.51	53.18	12.67	
	0.641	19.04	10.39	29.43	46.00	16.57	
	0.899	19.49	10.41	29.90	46.00	16.10	
	1.645	19.98	10.43	30.41	46.00	15.59	
	16.398	25.47	10.68	36.15	50.00	13.85	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity	:	48%RH
Test Mode	:	LAN Play	Date of Test	:	Jun 14, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**50.91**	**10.59**	**61.50**	**65.97**	**4.47**	QP
	0.204	44.68	10.54	55.22	63.45	8.23	
	0.914	33.27	10.41	43.68	56.00	12.32	
	1.184	28.62	10.41	39.03	56.00	16.97	
	1.628	31.73	10.41	42.14	56.00	13.86	
	16.398	30.71	10.58	41.29	60.00	18.71	
	0.151	37.20	10.59	47.79	55.97	8.18	AV
	0.204	31.68	10.54	42.22	53.45	11.23	
	0.914	21.27	10.41	31.68	46.00	14.32	
	1.184	17.62	10.41	28.03	46.00	17.97	
	1.628	20.73	10.41	31.14	46.00	14.86	
	16.398	24.71	10.58	35.29	50.00	14.71	
Neutral	0.151	49.79	10.58	60.37	65.97	5.60	QP
	0.213	42.52	10.52	53.04	63.10	10.06	
	0.641	31.83	10.39	42.22	56.00	13.78	
	1.021	31.74	10.41	42.15	56.00	13.85	
	1.645	30.10	10.43	40.53	56.00	15.47	
	17.755	30.47	10.70	41.17	60.00	18.83	
	0.151	29.80	10.58	40.38	55.97	15.59	AV
	0.213	29.52	10.52	40.04	53.10	13.06	
	0.641	19.83	10.39	30.22	46.00	15.78	
	1.021	19.74	10.41	30.15	46.00	15.85	
	1.645	18.10	10.43	28.53	46.00	17.47	
	17.755	24.47	10.70	35.17	50.00	14.83	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity	:	48%RH
Test Mode	:	MHL	Date of Test	:	Jun 14, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.154**	**50.11**	**10.58**	**60.69**	**65.79**	**5.10**	QP
	0.208	43.94	10.53	54.47	63.27	8.80	
	0.899	32.80	10.41	43.21	56.00	12.79	
	1.172	28.58	10.41	38.99	56.00	17.01	
	1.698	31.06	10.42	41.48	56.00	14.52	
	15.718	30.52	10.57	41.09	60.00	18.91	
	0.154	36.51	10.58	47.09	55.79	8.70	AV
	0.208	31.94	10.53	42.47	53.27	10.80	
	0.899	20.80	10.41	31.21	46.00	14.79	
	1.172	17.58	10.41	27.99	46.00	18.01	
	1.698	20.06	10.42	30.48	46.00	15.52	
	15.718	24.52	10.57	35.09	50.00	14.91	
Neutral	0.153	48.95	10.57	59.52	65.81	6.29	QP
	0.200	44.53	10.53	55.06	63.62	8.56	
	0.909	31.49	10.41	41.90	56.00	14.10	
	1.628	31.26	10.43	41.69	56.00	14.31	
	2.384	30.43	10.45	40.88	56.00	15.12	
	16.398	30.68	10.68	41.36	60.00	18.64	
	0.153	25.21	10.57	35.78	55.81	20.03	AV
	0.200	29.53	10.53	40.06	53.62	13.56	
	0.909	19.49	10.41	29.90	46.00	16.10	
	1.628	19.26	10.43	29.69	46.00	16.31	
	2.384	19.43	10.45	29.88	46.00	16.12	
	16.398	25.68	10.68	36.36	50.00	13.64	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity	:	48%RH
Test Mode	:	WIFI	Date of Test	:	Jun 14, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**50.41**	**10.59**	**61.00**	**65.97**	**4.97**	QP
	0.206	44.16	10.54	54.70	63.36	8.66	
	1.184	33.31	10.41	43.72	56.00	12.28	
	1.680	28.25	10.41	38.66	56.00	17.34	
	2.384	30.11	10.43	40.54	56.00	15.46	
	16.398	31.73	10.58	42.31	60.00	17.69	
	0.151	30.00	10.59	40.59	55.97	15.38	AV
	0.206	31.16	10.54	41.70	53.36	11.66	
	1.184	21.31	10.41	31.72	46.00	14.28	
	1.680	15.25	10.41	25.66	46.00	20.34	
	2.384	21.11	10.43	31.54	46.00	14.46	
	16.398	24.73	10.58	35.31	50.00	14.69	
Neutral	0.151	50.01	10.58	60.59	65.96	5.37	QP
	0.194	43.86	10.54	54.40	63.84	9.44	
	1.032	31.40	10.41	41.81	56.00	14.19	
	1.698	31.92	10.44	42.36	56.00	13.64	
	3.207	31.46	10.47	41.93	56.00	14.07	
	16.398	30.05	10.68	40.73	60.00	19.27	
	0.151	36.90	10.58	47.48	55.96	8.48	AV
	0.194	29.86	10.54	40.40	53.84	13.44	
	1.032	19.40	10.41	29.81	46.00	16.19	
	1.698	19.92	10.44	30.36	46.00	15.64	
	3.207	19.46	10.47	29.93	46.00	16.07	
	16.398	25.05	10.68	35.73	50.00	14.27	

TEST ENGINEER: KALSI CHEN

4 RADIATED EMISSION TEST

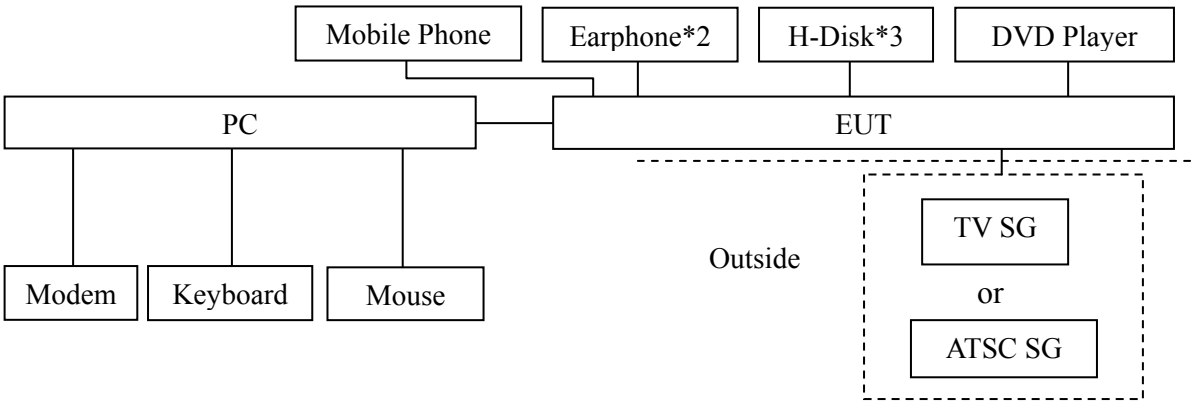
4.1 Test Equipment

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	Jun 02, 2017	Jun 01, 2018
6.	Spectrum	Agilent	E7405A	MY45106600	Apr 26, 2017	Apr 25, 2018
7.	Software	Audix	e3	6.2007-9-10	--	--

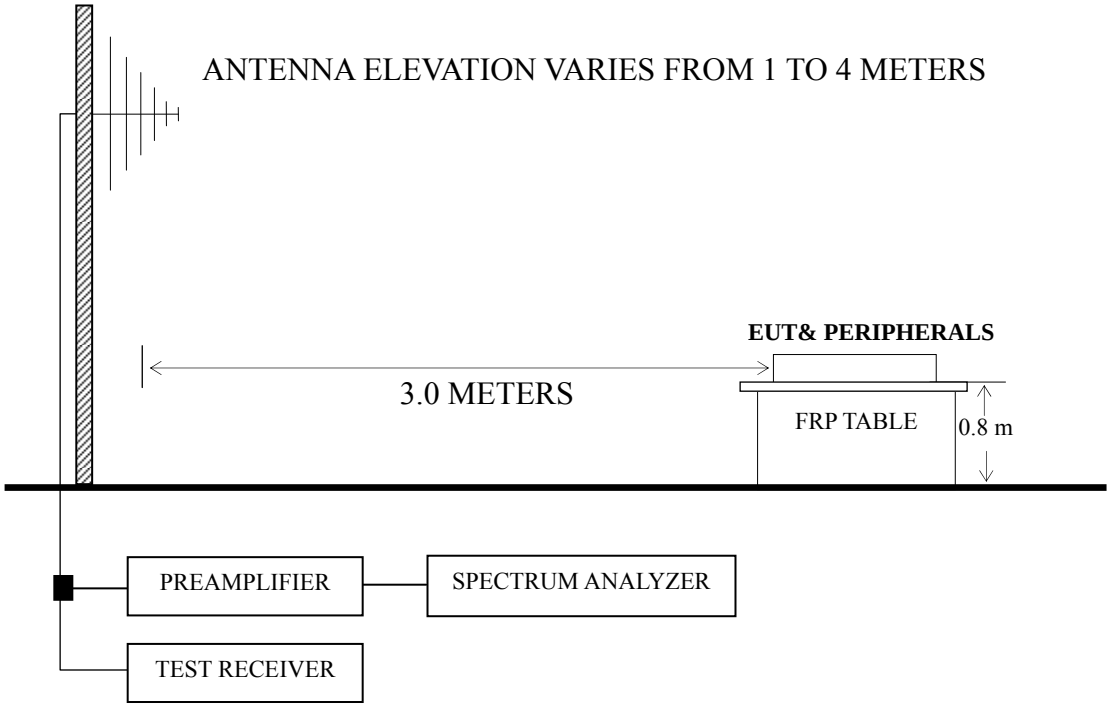
4.2 Block Diagram of Test Setup

4.2.1 EUT & Peripherals



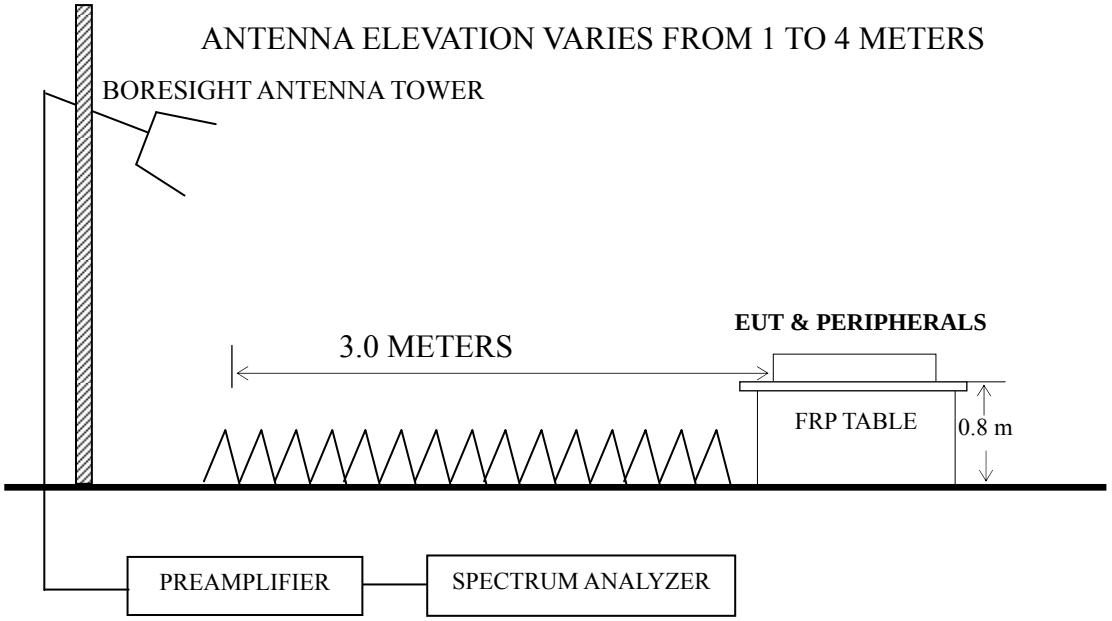
4.2.2 Radiated emission test setup

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

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test :	Jun 18, 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	72.592	26.26	8.05	0.83	--	35.14	40.00	4.86	QP
	127.218	22.77	12.72	1.17	--	36.66	43.50	6.84	
	178.133	22.24	10.04	1.41	--	33.69	43.50	9.81	
	417.641	17.80	17.06	2.11	--	36.97	46.00	9.03	
	517.248	16.95	18.50	2.33	--	37.78	46.00	8.22	
	906.482	**18.46**	**21.10**	**3.05**	--	**42.61**	**46.00**	**3.39**	
	1472.586	53.06	25.51	3.84	35.78	46.63	74.00	27.37	PK
	1885.669	49.39	27.10	4.31	35.31	45.49	74.00	28.51	
	2640.937	55.30	29.03	5.18	35.20	54.31	74.00	19.69	
	1472.586	38.92	25.51	3.84	35.78	32.49	54.00	21.51	AV
	1885.669	35.20	27.10	4.31	35.31	31.30	54.00	22.70	
	2640.937	41.78	29.03	5.18	35.20	40.79	54.00	13.21	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity	: 60%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test	: Jun 18, 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	**32.979**	**19.22**	**17.27**	**0.58**	--	**37.07**	**40.00**	**2.93**	QP
	71.080	28.23	7.83	0.83	--	36.89	40.00	3.11	
	97.115	24.03	12.32	0.98	--	37.33	43.50	6.17	
	152.130	23.46	11.50	1.29	--	36.25	43.50	7.25	
	423.540	16.36	17.17	2.13	--	35.66	46.00	10.34	
	890.728	13.36	21.00	3.03	--	37.39	46.00	8.61	
	1320.120	64.87	24.94	3.67	35.98	57.50	74.00	16.50	PK
	1755.252	60.44	26.65	4.13	35.45	55.77	74.00	18.23	
	2622.077	46.27	28.97	5.11	35.20	45.15	74.00	28.85	
	1320.120	48.58	24.94	3.67	35.98	41.21	54.00	12.79	AV
	1755.252	43.21	26.65	4.13	35.45	38.54	54.00	15.46	
	2622.077	31.36	28.97	5.11	35.20	30.24	54.00	23.76	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	HDMI1 1920*1080@60Hz & 1kHz Playing	Date of Test :	Jun 18, 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	72.084	23.33	8.01	0.83	32.17	40.00	7.83
	88.964	23.40	10.69	0.93	35.02	43.50	8.48
	118.186	21.69	13.12	1.12	35.93	43.50	7.57
	449.556	16.99	17.60	2.19	36.78	46.00	9.22
	742.259	**17.02**	**20.57**	**2.76**	**40.35**	**46.00**	**5.65**
	893.857	15.05	20.97	3.03	39.05	46.00	6.95
Vertical	**32.067**	**18.73**	**17.65**	**0.57**	**36.95**	**40.00**	**3.05**
	73.876	25.91	8.27	0.83	35.01	40.00	4.99
	93.113	24.54	11.53	0.95	37.02	43.50	6.48
	152.130	22.76	11.50	1.29	35.55	43.50	7.95
	416.179	18.18	17.02	2.10	37.30	46.00	8.70
	742.259	14.96	20.57	2.76	38.29	46.00	7.71

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	HDMI1 1280*1024@60Hz & 1kHz Playing	Date of Test :	Jun 18, 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	75.977	22.43	8.59	0.84	31.86	40.00	8.14
	90.855	**24.45**	**10.98**	**0.93**	**36.36**	**43.50**	**7.14**
	116.950	21.76	13.08	1.11	35.95	43.50	7.55
	422.058	17.92	17.17	2.11	37.20	46.00	8.80
	513.633	16.92	18.50	2.33	37.75	46.00	8.25
	893.857	14.72	20.97	3.03	38.72	46.00	7.28
Vertical	**32.979**	**18.97**	**17.27**	**0.58**	**36.82**	**40.00**	**3.18**
	54.071	26.13	7.40	0.75	34.28	40.00	5.72
	73.876	25.63	8.27	0.83	34.73	40.00	5.27
	92.139	25.02	11.26	0.94	37.22	43.50	6.28
	152.130	22.40	11.50	1.29	35.19	43.50	8.31
	416.179	17.35	17.02	2.10	36.47	46.00	9.53

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	HDMI1 640*480@60Hz & 1kHz Playing	Date of Test :	Jun 18, 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	**72.084**	**24.40**	**8.01**	**0.83**	**33.24**	**40.00**	**6.76**
	88.964	24.69	10.69	0.93	36.31	43.50	7.19
	118.186	21.43	13.12	1.12	35.67	43.50	7.83
	159.784	22.73	10.61	1.32	34.66	43.50	8.84
	478.846	17.87	18.00	2.25	38.12	46.00	7.88
	890.728	14.09	21.00	3.03	38.12	46.00	7.88
Vertical	**32.179**	**18.32**	**17.59**	**0.57**	**36.48**	**40.00**	**3.52**
	75.977	25.12	8.59	0.84	34.55	40.00	5.45
	92.139	25.36	11.26	0.94	37.56	43.50	5.94
	152.130	21.32	11.50	1.29	34.11	43.50	9.39
	423.540	17.97	17.17	2.13	37.27	46.00	8.73
	896.997	10.28	20.93	3.03	34.24	46.00	11.76

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz playing	Date of Test :	Jun 18, 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	23.74	8.27	0.83	32.84	40.00	7.16
	92.139	22.23	11.26	0.94	34.43	43.50	9.07
	116.950	21.01	13.08	1.11	35.20	43.50	8.30
	181.920	22.17	9.93	1.42	33.52	43.50	9.98
	515.437	15.91	18.50	2.33	36.74	46.00	9.26
	900.147	**16.23**	**20.90**	**3.05**	**40.18**	**46.00**	**5.82**
Vertical	**31.955**	**17.92**	**17.70**	**0.57**	**36.19**	**40.00**	**3.81**
	77.865	24.67	8.96	0.85	34.48	40.00	5.52
	92.139	25.51	11.26	0.94	37.71	43.50	5.79
	152.130	22.52	11.50	1.29	35.31	43.50	8.19
	417.641	17.64	17.06	2.11	36.81	46.00	9.19
	890.728	12.97	21.00	3.03	37.00	46.00	9.00

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	HDMI3 3840*2160@30Hz & 1kHz playing	Date of Test :	Jun 18, 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	23.16	8.40	0.84	32.40	40.00	7.60
	116.950	21.56	13.08	1.11	35.75	43.50	7.75
	178.133	21.60	10.04	1.41	33.05	43.50	10.45
	267.546	17.78	13.50	1.69	32.97	46.00	13.03
	444.851	16.98	17.50	2.17	36.65	46.00	9.35
	893.857	**17.18**	**20.97**	**3.03**	**41.18**	**46.00**	**4.82**
Vertical	**31.955**	**18.04**	**17.70**	**0.57**	**36.31**	**40.00**	**3.69**
	71.080	26.42	7.83	0.83	35.08	40.00	4.92
	90.855	24.71	10.98	0.93	36.62	43.50	6.88
	152.130	22.47	11.50	1.29	35.26	43.50	8.24
	423.540	19.69	17.17	2.13	38.99	46.00	7.01
	900.147	12.56	20.90	3.05	36.51	46.00	9.49

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	HDMI4 3840*2160@30Hz & 1kHz playing	Date of Test :	Jun 18, 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	73.103	24.71	8.14	0.83	33.68	40.00	6.32
	88.964	23.75	10.69	0.93	35.37	43.50	8.13
	116.950	21.83	13.08	1.11	36.02	43.50	7.48
	202.100	22.87	9.77	1.50	34.14	43.50	9.36
	449.556	17.00	17.60	2.19	36.79	46.00	9.21
	890.728	**16.43**	**21.00**	**3.03**	**40.46**	**46.00**	**5.54**
Vertical	**32.979**	**18.50**	**17.27**	**0.58**	**36.35**	**40.00**	**3.65**
	88.964	25.59	10.69	0.93	37.21	43.50	6.29
	152.130	22.79	11.50	1.29	35.58	43.50	7.92
	422.058	18.64	17.17	2.11	37.92	46.00	8.08
	593.050	16.12	19.50	2.50	38.12	46.00	7.88
	900.147	11.97	20.90	3.05	35.92	46.00	10.08

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65H6D	Humidity :	60%RH	
Test Mode	:	HDMI1080P	Date of Test :	Jun 18, 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	**77.865**	**24.36**	**8.96**	**0.85**	**34.17**	**40.00**	**5.83**
	113.714	22.62	12.95	1.09	36.66	43.50	6.84
	197.893	22.25	9.65	1.48	33.38	43.50	10.12
	403.250	16.01	16.50	2.07	34.58	46.00	11.42
	490.745	14.97	18.20	2.28	35.45	46.00	10.55
	890.728	15.88	21.00	3.03	39.91	46.00	6.09
Vertical	**31.620**	**17.52**	**17.85**	**0.57**	**35.94**	**40.00**	**4.06**
	65.114	27.52	6.85	0.80	35.17	40.00	4.83
	101.289	23.55	12.83	1.01	37.39	43.50	6.11
	154.279	22.72	11.42	1.30	35.44	43.50	8.06
	404.667	15.17	16.60	2.07	33.84	46.00	12.16
	881.407	10.84	21.10	3.01	34.95	46.00	11.05

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	USB Play	Date of Test :	Jun 18, 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	20.34	9.15	0.86	30.35	40.00	9.65
	119.018	**20.63**	**13.16**	**1.12**	**34.91**	**43.50**	**8.59**
	170.195	20.77	10.20	1.37	32.34	43.50	11.16
	381.249	15.69	16.10	2.01	33.80	46.00	12.20
	473.835	14.98	17.88	2.23	35.09	46.00	10.91
	878.322	10.61	21.07	3.01	34.69	46.00	11.31
Vertical	**33.445**	**18.26**	**17.11**	**0.59**	**35.96**	**40.00**	**4.04**
	77.321	24.71	8.84	0.85	34.40	40.00	5.60
	150.011	19.27	11.60	1.28	32.15	43.50	11.35
	440.196	14.01	17.43	2.16	33.60	46.00	12.40
	768.748	8.78	20.63	2.82	32.23	46.00	13.77
	975.753	8.11	21.75	3.16	33.02	54.00	20.98

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	LAN Play	Date of Test :	Jun 18, 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	74.657	23.09	8.36	0.84	32.29	40.00	7.71
	111.347	19.02	12.85	1.07	32.94	43.50	10.56
	195.822	20.73	9.62	1.47	31.82	43.50	11.68
	410.383	16.45	16.90	2.08	35.43	46.00	10.57
	511.835	14.44	18.50	2.33	35.27	46.00	10.73
	887.610	**14.63**	**21.00**	**3.03**	**38.66**	**46.00**	**7.34**
Vertical	**34.276**	**17.93**	**16.65**	**0.59**	**35.17**	**40.00**	**4.83**
	75.446	24.90	8.52	0.84	34.26	40.00	5.74
	95.762	21.86	12.04	0.97	34.87	43.50	8.63
	145.861	20.73	11.82	1.26	33.81	43.50	9.69
	407.515	17.19	16.70	2.08	35.97	46.00	10.03
	612.064	10.79	19.62	2.53	32.94	46.00	13.06

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	MHL	Date of Test :	Jun 18, 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**	**23.49**	**8.40**	**0.84**	**32.73**	**40.00**	**7.27**
	98.833	16.27	12.59	0.99	29.85	43.50	13.65
	144.335	18.92	11.97	1.25	32.14	43.50	11.36
	187.096	20.31	9.71	1.44	31.46	43.50	12.04
	426.521	15.68	17.23	2.13	35.04	46.00	10.96
	860.035	9.54	21.00	2.96	33.50	46.00	12.50
Vertical	**33.799**	**17.75**	**17.01**	**0.59**	**35.35**	**40.00**	**4.65**
	75.977	24.05	8.59	0.84	33.48	40.00	6.52
	92.462	24.44	11.35	0.95	36.74	43.50	6.76
	143.326	18.27	12.12	1.25	31.64	43.50	11.86
	435.590	15.03	17.36	2.16	34.55	46.00	11.45
	830.400	9.13	21.10	2.92	33.15	46.00	12.85

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65H6D	Humidity :	60%RH
Test Mode	:	WIFI	Date of Test :	Jun 18, 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	69.845	22.46	7.65	0.82	30.93	40.00	9.07
	97.798	19.18	12.38	0.99	32.55	43.50	10.95
	127.218	16.70	12.72	1.17	30.59	43.50	12.91
	181.920	21.12	9.93	1.42	32.47	43.50	11.03
	425.028	14.40	17.20	2.13	33.73	46.00	12.27
	890.728	**13.62**	**21.00**	**3.03**	**37.65**	**46.00**	**8.35**
Vertical	**31.289**	**17.68**	**18.07**	**0.56**	**36.31**	**40.00**	**3.69**
	76.781	23.92	8.77	0.85	33.54	40.00	6.46
	109.029	20.46	12.82	1.06	34.34	43.50	9.16
	208.580	20.76	10.38	1.52	32.66	43.50	10.84
	440.196	13.22	17.43	2.16	32.81	46.00	13.19
	854.025	10.55	20.93	2.96	34.44	46.00	11.56

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
SMcontact	SMR-TSL-4-3.5-5R	Joinset	See Internal Photos Figure 20

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

(KALSI CHEN)