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

LED LCD TV

Model No.:

LC-65P6000U, LC-65P6000U+, LC-65P60+0U, LC-65P60+0U1,
LC-65P60+0U2, LC-65P6+0U, LC-65P6+0U1, LC-65P6+0U2

Brand: Sharp

FCC ID : W9HLCDF0135

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

Prepared By : Audix Technology (Shanghai) Co., Ltd.
3F and 4F, 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai 200233, China

Tel: +86-21-64955500
Fax: +86-21-64955491

NVLAP®
TESTING
NVLAP LAB CODE 200371-0

Report No. : ACI-F17262
Date of Test : Jul 11-12, 2017
Date of Report : Aug 07, 2017

TABLE OF CONTENTS

Page

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 : Sharp
		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 Jul 11-12, 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.F17263, a Verification report.

Date of Test : Jul 11-12, 2017 Date of Report : Aug 07, 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 3.65dB 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 3.21dB at 842.130MHz (Vertical, 1.0m/45°)	

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	:	LED LCD TV
Type of EUT	:	☑ Production ☐ Pre-product ☐ Pro-type
Model No	:	LC-65P6000U, LC-65P6000U+, LC-65P60+0U, LC-65P60+0U1, LC-65P60+0U2, LC-65P6+0U, LC-65P6+0U1, LC-65P6+0U2
Note #1	:	The above models are all the same except for model number. The LC-65P6000U model is tested and recorded in the report.
Note #3	:	"+"represents any of the Arabic numeral.
Note #4	:	The tuner port comply with the 15.111 requirement.
Brand	:	Sharp
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 : HD650K3U31-B1
Tuner	:	Manufacturer : Silicon Labs M/N : Si2151-A10
Max Resolution	:	3840*2160@60Hz
HDMI Cable*3 (Lab provide)	:	Shielded, Detachable, 1.80m

LAN Cable	:	Shielded, Detachable, 1.50m
Power Cord	:	Unshielded, Detachable, 1.80m, 2C
USB Cable (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) One USB Port
: Connected with Hard-Disk
(5) One HDMI1 Port
: Connected with PC
(6) One HDMI2 Port
: Connected with PC
(7) One HDMI3 Port
: Connected with DVD Player
(8) One DIGITALAUDIO OUT Port
: Connected with Audio Converter to Earphone

Bottom View:
(9) One AV IN Port
: Connected with DVD Player
(10)One ETHERNET Port
: Connected with PC

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 ATSC Signal Generator

Manufacturer	:	SENCORE
Model Number	:	ATSC997
Serial Number	:	6790071

2.2.9 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

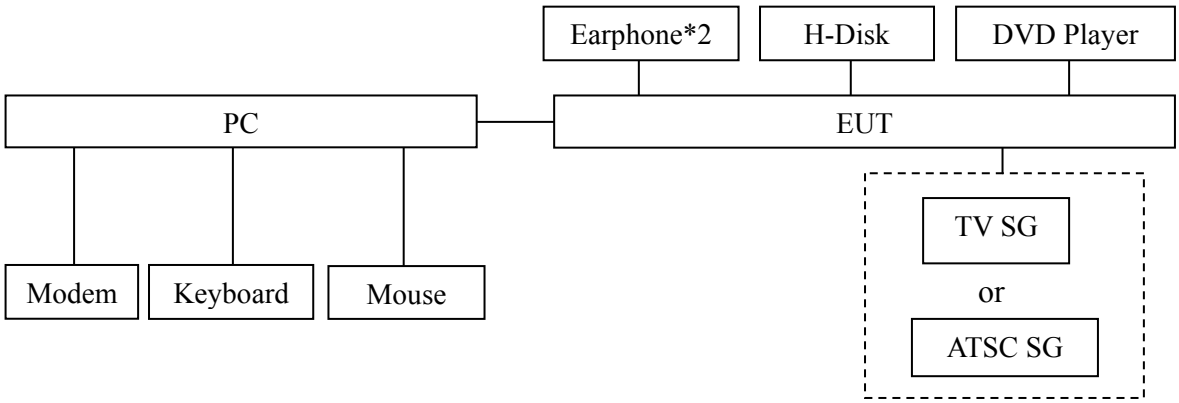
3.1 Test Equipment

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

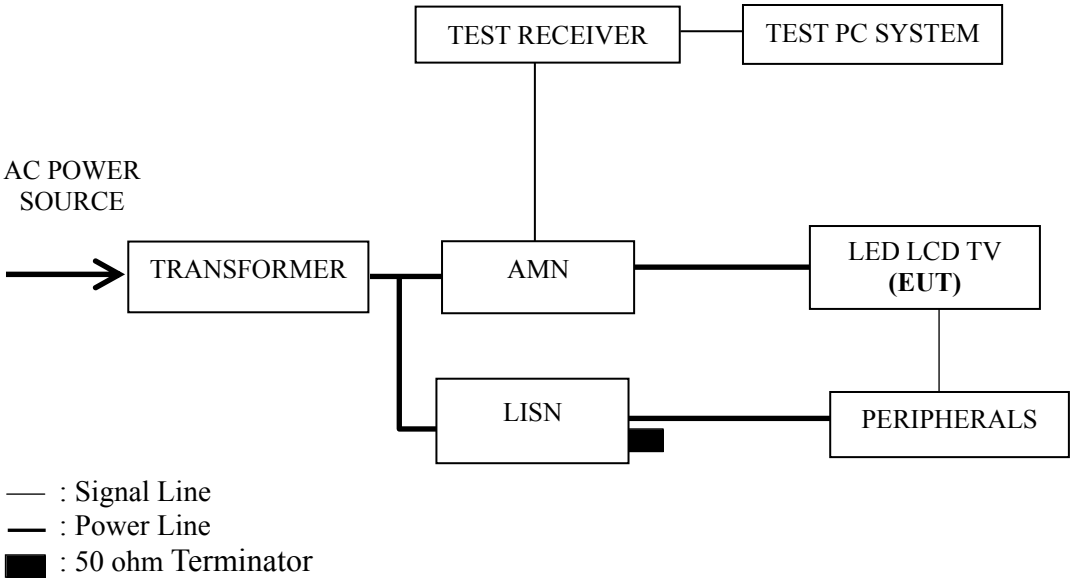
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	101302	Apr 27, 2017	Apr 26, 2018
2.	Artificial Mains Network (AMN)	R&S	ENV4200	100125	Jun 24, 2017	Jun 23, 2018
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-4	Mar 17, 2017	Mar 16, 2018
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 The other peripherals devices were driven and operated during the test.

3.5.10 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
HDMI1080P
USB Play
LAN Play
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	P13
HDMI1 1920*1080@60Hz & 1kHz playing	P14
HDMI1 1280*1024@60Hz & 1kHz playing	P15
HDMI1 640*480@60Hz & 1kHz playing	P16
HDMI2 3840*2160@60Hz & 1kHz playing	P17
HDMI3 3840*2160@30Hz & 1kHz playing	P18
HDMI1080P	P19
USB Play	P20
LAN Play	P21
WIFI	**P22**

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.	:	LC-65P6000U	Humidity :	48%RH	
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test :	Jul 12, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	50.04	10.60	60.64	65.98	5.34	QP
	0.202	38.25	10.54	48.79	63.54	14.75	
	0.476	29.42	10.39	39.81	56.41	16.60	
	1.032	29.57	10.39	39.96	56.00	16.04	
	1.908	27.28	10.41	37.69	56.00	18.31	
	16.661	28.79	10.44	39.23	60.00	20.77	
	0.150	35.60	10.60	46.20	55.98	9.78	AV
	0.202	26.20	10.54	36.74	53.54	16.80	
	0.476	19.30	10.39	29.69	46.41	16.72	
	1.032	19.10	10.39	29.49	46.00	16.51	
	1.908	16.10	10.41	26.51	46.00	19.49	
	16.661	23.60	10.44	34.04	50.00	15.96	
Neutral	**0.151**	**50.22**	**10.52**	**60.74**	**65.97**	**5.23**	QP
	0.489	26.45	10.38	36.83	56.19	19.36	
	0.963	28.73	10.39	39.12	56.00	16.88	
	2.422	27.00	10.43	37.43	56.00	18.57	
	5.535	25.71	10.48	36.19	60.00	23.81	
	15.388	28.84	10.50	39.34	60.00	20.66	
	0.151	35.40	10.52	45.92	55.97	10.05	AV
	0.489	14.80	10.38	25.18	46.19	21.01	
	0.963	17.80	10.39	28.19	46.00	17.81	
	2.422	17.80	10.43	28.23	46.00	17.77	
	5.535	17.30	10.48	27.78	50.00	22.22	
	15.388	23.41	10.50	33.91	50.00	16.09	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	48%RH	
Test Mode	:	HDMI1 1920*1080@60Hz & 1kHz Playing	Date of Test :	Jul 12, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.151	45.11	10.60	55.71	65.97	10.26	QP
	0.202	40.44	10.54	50.98	63.54	12.56	
	0.686	29.64	10.38	40.02	56.00	15.98	
	1.082	31.06	10.39	41.45	56.00	14.55	
	2.474	25.16	10.42	35.58	56.00	20.42	
	15.552	28.73	10.45	39.18	60.00	20.82	
	0.151	32.30	10.60	42.90	55.97	13.07	AV
	0.202	33.44	10.54	43.98	53.54	9.56	
	0.686	22.64	10.38	33.02	46.00	12.98	
	1.082	25.06	10.39	35.45	46.00	10.55	
	2.474	21.16	10.42	31.58	46.00	14.42	
	15.552	22.73	10.45	33.18	50.00	16.82	
Neutral	**0.150**	**50.07**	**10.52**	**60.59**	**65.98**	**5.39**	QP
	0.194	37.35	10.49	47.84	63.84	16.00	
	0.481	28.40	10.38	38.78	56.32	17.54	
	1.106	27.61	10.39	38.00	56.00	18.00	
	2.384	26.89	10.43	37.32	56.00	18.68	
	15.552	27.82	10.50	38.32	60.00	21.68	
	0.150	35.40	10.52	45.92	55.98	10.06	AV
	0.194	28.35	10.49	38.84	53.84	15.00	
	0.481	21.40	10.38	31.78	46.32	14.54	
	1.106	21.61	10.39	32.00	46.00	14.00	
	2.384	18.89	10.43	29.32	46.00	16.68	
	15.552	21.82	10.50	32.32	50.00	17.68	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	48%RH	
Test Mode	:	HDMI1 1280*1024@60Hz & 1kHz Playing	Date of Test :	Jul 12, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.153	44.97	10.59	55.56	65.82	10.26	QP
	0.202	42.57	10.54	53.11	63.54	10.43	
	0.647	29.85	10.38	40.23	56.00	15.77	
	1.082	31.39	10.39	41.78	56.00	14.22	
	1.819	29.72	10.41	40.13	56.00	15.87	
	15.885	30.69	10.45	41.14	60.00	18.86	
	0.153	30.11	10.59	40.70	55.82	15.12	AV
	0.202	35.57	10.54	46.11	53.54	7.43	
	0.647	24.85	10.38	35.23	46.00	10.77	
	1.082	25.39	10.39	35.78	46.00	10.22	
	1.819	26.72	10.41	37.13	46.00	8.87	
	15.885	25.69	10.45	36.14	50.00	13.86	
Neutral	**0.150**	**50.57**	**10.52**	**61.09**	**65.98**	**4.89**	QP
	0.188	41.96	10.50	52.46	64.11	11.65	
	0.585	29.39	10.39	39.78	56.00	16.22	
	0.933	28.36	10.39	38.75	56.00	17.25	
	1.800	28.63	10.42	39.05	56.00	16.95	
	16.398	29.44	10.50	39.94	60.00	20.06	
	0.150	35.80	10.52	46.32	55.98	9.66	AV
	0.188	36.96	10.50	47.46	54.11	6.65	
	0.585	24.39	10.39	34.78	46.00	11.22	
	0.933	25.36	10.39	35.75	46.00	10.25	
	1.800	25.63	10.42	36.05	46.00	9.95	
	16.398	24.44	10.50	34.94	50.00	15.06	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	48%RH	
Test Mode	:	HDMI1 640*480@60Hz & 1kHz Playing	Date of Test :	Jul 12, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.152	44.27	10.60	54.87	65.91	11.04	QP
	0.199	39.78	10.54	50.32	63.67	13.35	
	0.708	29.27	10.38	39.65	56.00	16.35	
	1.082	30.11	10.39	40.50	56.00	15.50	
	1.991	26.64	10.41	37.05	56.00	18.95	
	16.055	29.84	10.45	40.29	60.00	19.71	
	0.152	30.80	10.60	41.40	55.91	14.51	AV
	0.199	29.78	10.54	40.32	53.67	13.35	
	0.708	22.27	10.38	32.65	46.00	13.35	
	1.082	24.11	10.39	34.50	46.00	11.50	
	1.991	18.64	10.41	29.05	46.00	16.95	
	16.055	23.84	10.45	34.29	50.00	15.71	
Neutral	0.150	45.27	10.52	55.79	65.98	10.19	QP
	0.178	40.30	10.50	50.80	64.59	13.79	
	0.592	28.14	10.39	38.53	56.00	17.47	
	1.160	27.51	10.39	37.90	56.00	18.10	
	2.474	26.87	10.43	37.30	56.00	18.70	
	15.388	28.60	10.50	39.10	60.00	20.90	
	0.150	32.40	10.52	42.92	55.98	13.06	AV
	0.178	**34.30**	**10.50**	**44.80**	**54.59**	**9.79**	
	0.592	22.14	10.39	32.53	46.00	13.47	
	1.160	22.51	10.39	32.90	46.00	13.10	
	2.474	22.87	10.43	33.30	46.00	12.70	
	15.388	23.60	10.50	34.10	50.00	15.90	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	48%RH	
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz playing	Date of Test :	Jul 12, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**49.29**	**10.60**	**59.89**	**65.96**	**6.07**	QP
	0.484	30.25	10.39	40.64	56.27	15.63	
	1.071	30.69	10.39	41.08	56.00	14.92	
	2.474	27.46	10.42	37.88	56.00	18.12	
	5.362	24.49	10.47	34.96	60.00	25.04	
	15.885	29.38	10.45	39.83	60.00	20.17	
	0.151	35.60	10.60	46.20	55.96	9.76	AV
	0.484	20.10	10.39	30.49	46.27	15.78	
	1.071	19.40	10.39	29.79	46.00	16.21	
	2.474	18.10	10.42	28.52	46.00	17.48	
	5.362	17.80	10.47	28.27	50.00	21.73	
	15.885	24.30	10.45	34.75	50.00	15.25	
Neutral	0.150	45.37	10.52	55.89	65.98	10.09	QP
	0.481	28.57	10.38	38.95	56.32	17.37	
	0.830	26.47	10.39	36.86	56.00	19.14	
	1.928	28.02	10.42	38.44	56.00	17.56	
	6.056	24.59	10.49	35.08	60.00	24.92	
	16.839	28.05	10.50	38.55	60.00	21.45	
	0.150	32.30	10.52	42.82	55.98	13.16	AV
	0.481	19.30	10.38	29.68	46.32	16.64	
	0.830	17.90	10.39	28.29	46.00	17.71	
	1.928	17.50	10.42	27.92	46.00	18.08	
	6.056	18.20	10.49	28.69	50.00	21.31	
	16.839	22.30	10.50	32.80	50.00	17.20	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	48%RH	
Test Mode	:	HDMI3 3840*2160@30Hz & 1kHz playing	Date of Test :	Jul 12, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.150**	**49.19**	**10.60**	**59.79**	**65.99**	**6.20**	QP
	0.180	40.24	10.56	50.80	64.50	13.70	
	0.679	29.54	10.38	39.92	56.00	16.08	
	1.043	30.07	10.39	40.46	56.00	15.54	
	2.554	27.36	10.42	37.78	56.00	18.22	
	14.986	28.01	10.46	38.47	60.00	21.53	
	0.150	35.70	10.60	46.30	55.99	9.69	AV
	0.180	34.24	10.56	44.80	54.50	9.70	
	0.679	24.54	10.38	34.92	46.00	11.08	
	1.043	24.07	10.39	34.46	46.00	11.54	
	2.554	21.36	10.42	31.78	46.00	14.22	
	14.986	22.01	10.46	32.47	50.00	17.53	
Neutral	0.151	49.00	10.52	59.52	65.97	6.45	QP
	0.194	38.94	10.49	49.43	63.84	14.41	
	0.476	28.70	10.38	39.08	56.41	17.33	
	1.071	27.10	10.39	37.49	56.00	18.51	
	1.928	27.55	10.42	37.97	56.00	18.03	
	14.828	28.03	10.51	38.54	60.00	21.46	
	0.151	35.70	10.52	46.22	55.97	9.75	AV
	0.194	31.94	10.49	42.43	53.84	11.41	
	0.476	22.70	10.38	33.08	46.41	13.33	
	1.071	23.10	10.39	33.49	46.00	12.51	
	1.928	18.55	10.42	28.97	46.00	17.03	
	14.828	22.03	10.51	32.54	50.00	17.46	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity	:	48%RH
Test Mode	:	HDMI 1080P	Date of Test	:	Jul 12, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.157**	**46.97**	**10.59**	**57.56**	**65.64**	**8.08**	QP
	0.481	29.32	10.39	39.71	56.32	16.61	
	0.647	29.20	10.38	39.58	56.00	16.42	
	1.071	29.53	10.39	39.92	56.00	16.08	
	1.744	27.42	10.41	37.83	56.00	18.17	
	15.885	29.62	10.45	40.07	60.00	19.93	
	0.157	34.80	10.59	45.39	55.64	10.25	AV
	0.481	21.32	10.39	31.71	46.32	14.61	
	0.647	22.20	10.38	32.58	46.00	13.42	
	1.071	22.53	10.39	32.92	46.00	13.08	
	1.744	22.42	10.41	32.83	46.00	13.17	
	15.885	25.62	10.45	36.07	50.00	13.93	
Neutral	0.150	45.84	10.52	56.36	65.98	9.62	QP
	0.184	40.22	10.49	50.71	64.28	13.57	
	0.963	28.25	10.39	38.64	56.00	17.36	
	1.716	28.15	10.42	38.57	56.00	17.43	
	2.422	27.84	10.43	38.27	56.00	17.73	
	14.213	27.72	10.51	38.23	60.00	21.77	
	0.150	32.60	10.52	43.12	55.98	12.86	AV
	0.184	33.22	10.49	43.71	54.28	10.57	
	0.963	21.25	10.39	31.64	46.00	14.36	
	1.716	22.15	10.42	32.57	46.00	13.43	
	2.422	22.84	10.43	33.27	46.00	12.73	
	14.213	23.72	10.51	34.23	50.00	15.77	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature	:	22℃
Model No.	:	LC-65P6000U	Humidity	:	48%RH
Test Mode	:	USB Play	Date of Test	:	Jul 12, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.150**	**45.98**	**10.60**	**56.58**	**65.98**	**9.40**	QP
	0.200	39.70	10.54	50.24	63.62	13.38	
	0.481	29.05	10.39	39.44	56.32	16.88	
	1.082	31.62	10.39	42.01	56.00	13.99	
	1.800	26.17	10.41	36.58	56.00	19.42	
	15.146	28.01	10.46	38.47	60.00	21.53	
	0.150	33.60	10.60	44.20	55.98	11.78	AV
	0.200	32.70	10.54	43.24	53.62	10.38	
	0.481	24.05	10.39	34.44	46.32	11.88	
	1.082	23.62	10.39	34.01	46.00	11.99	
	1.800	23.17	10.41	33.58	46.00	12.42	
	15.146	21.01	10.46	31.47	50.00	18.53	
Neutral	0.150	45.29	10.52	55.81	65.98	10.17	QP
	0.176	41.17	10.50	51.67	64.68	13.01	
	0.481	28.81	10.38	39.19	56.32	17.13	
	1.223	27.24	10.40	37.64	56.00	18.36	
	1.991	25.97	10.42	36.39	56.00	19.61	
	15.718	28.87	10.51	39.38	60.00	20.62	
	0.150	32.50	10.52	43.02	55.98	12.96	AV
	0.176	33.17	10.50	43.67	54.68	11.01	
	0.481	22.81	10.38	33.19	46.32	13.13	
	1.223	22.24	10.40	32.64	46.00	13.36	
	1.991	23.97	10.42	34.39	46.00	11.61	
	15.718	23.87	10.51	34.38	50.00	15.62	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity	:	48%RH
Test Mode	:	LAN Play	Date of Test	:	Jul 12, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	46.08	10.60	56.68	65.98	9.30	QP
	0.183	43.03	10.55	53.58	64.33	10.75	
	0.476	28.38	10.39	38.77	56.41	17.64	
	1.071	31.04	10.39	41.43	56.00	14.57	
	1.781	27.80	10.41	38.21	56.00	17.79	
	15.552	27.81	10.45	38.26	60.00	21.74	
	0.150	34.30	10.60	44.90	55.98	11.08	AV
	0.183	38.03	10.55	48.58	54.33	5.75	
	0.476	23.38	10.39	33.77	46.41	12.64	
	1.071	26.04	10.39	36.43	46.00	9.57	
	1.781	21.80	10.41	32.21	46.00	13.79	
	15.552	21.81	10.45	32.26	50.00	17.74	
Neutral	**0.150**	**50.04**	**10.52**	**60.56**	**65.98**	**5.42**	QP
	0.182	41.84	10.50	52.34	64.42	12.08	
	0.592	30.75	10.39	41.14	56.00	14.86	
	1.032	28.24	10.39	38.63	56.00	17.37	
	2.474	27.05	10.43	37.48	56.00	18.52	
	15.718	29.22	10.51	39.73	60.00	20.27	
	0.150	35.90	10.52	46.42	55.98	9.56	AV
	0.182	36.84	10.50	47.34	54.42	7.08	
	0.592	24.75	10.39	35.14	46.00	10.86	
	1.032	24.24	10.39	34.63	46.00	11.37	
	2.474	22.05	10.43	32.48	46.00	13.52	
	15.718	25.22	10.51	35.73	50.00	14.27	

TEST ENGINEER: KALSI CHEN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity	:	48%RH
Test Mode	:	WIFI	Date of Test	:	Jul 12, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.151	46.62	10.60	57.22	65.97	8.75	QP
	0.183	42.12	10.55	52.67	64.33	11.66	
	0.694	29.37	10.38	39.75	56.00	16.25	
	1.094	31.20	10.39	41.59	56.00	14.41	
	3.041	26.97	10.43	37.40	56.00	18.60	
	15.552	28.23	10.45	38.68	60.00	21.32	
	0.151	33.50	10.60	44.10	55.97	11.87	AV
	0.183	33.12	10.55	43.67	54.33	10.66	
	0.694	23.37	10.38	33.75	46.00	12.25	
	1.094	25.20	10.39	35.59	46.00	10.41	
	3.041	21.97	10.43	32.40	46.00	13.60	
	15.552	23.23	10.45	33.68	50.00	16.32	
Neutral	0.151	50.22	10.52	60.74	65.97	5.23	QP
	0.178	40.53	10.50	51.03	64.59	13.56	
	0.686	31.17	10.39	41.56	56.00	14.44	
	1.160	29.91	10.39	40.30	56.00	15.70	
	1.800	28.80	10.42	39.22	56.00	16.78	
	15.552	30.22	10.50	40.72	60.00	19.28	
	0.151	**41.80**	**10.52**	**52.32**	**55.97**	**3.65**	AV
	0.178	36.53	10.50	47.03	54.59	7.56	
	0.686	24.17	10.39	34.56	46.00	11.44	
	1.160	25.91	10.39	36.30	46.00	9.70	
	1.800	25.80	10.42	36.22	46.00	9.78	
	15.552	26.22	10.50	36.72	50.00	13.28	

TEST ENGINEER: KALSI CHEN

4 RADIATED EMISSION TEST

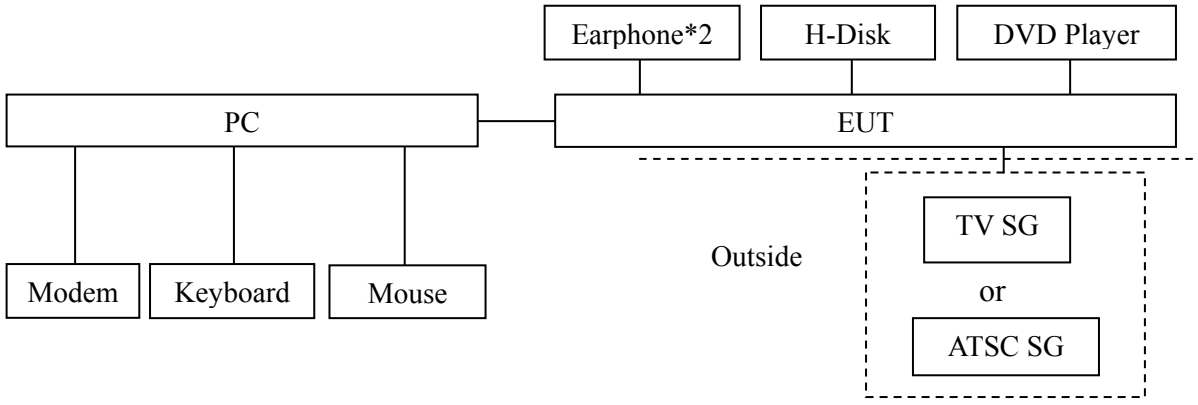
4.1 Test Equipment

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	--	--

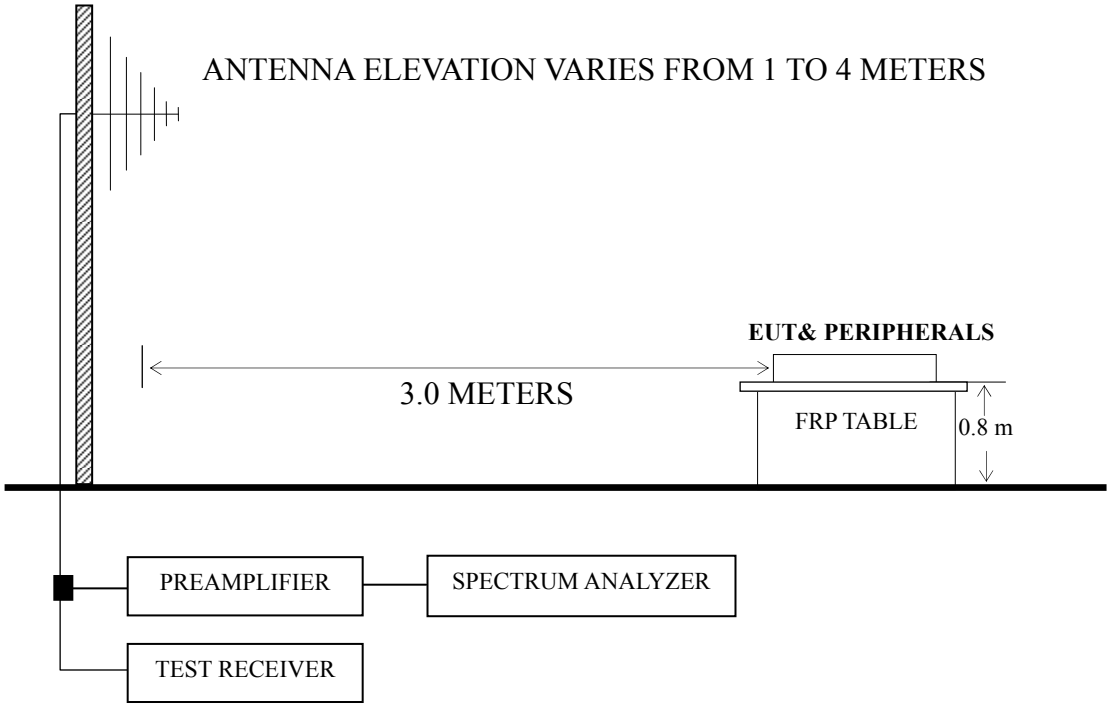
4.2 Block Diagram of Test Setup

4.2.1 EUT & Peripherals



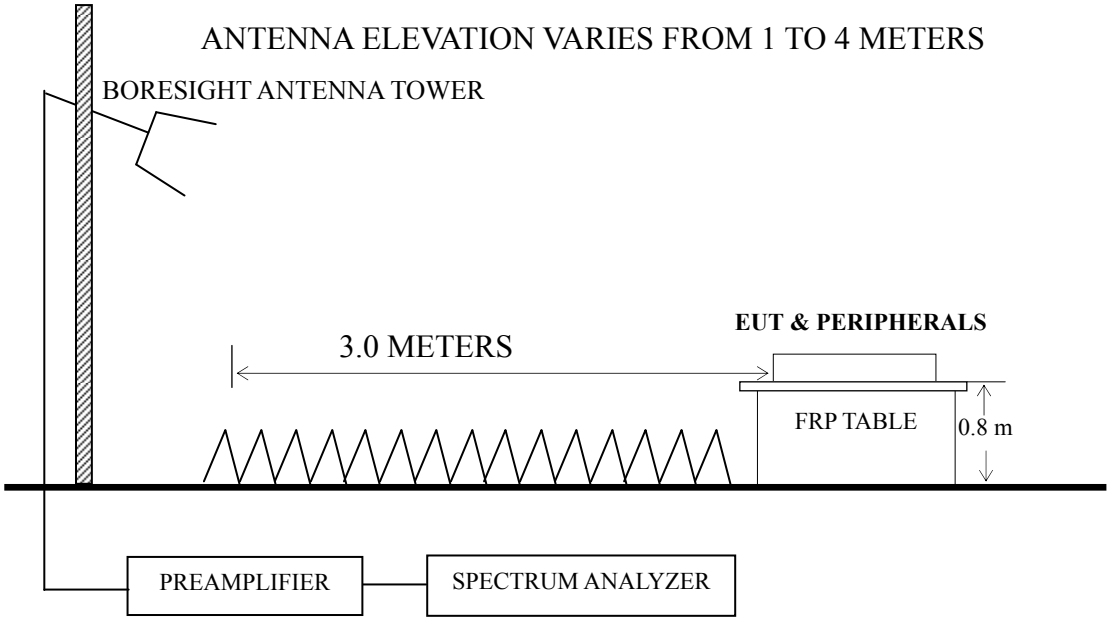
4.2.2 Radiated emission test setup

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	**P27-28**
HDMI1 1920*1080@60Hz & 1kHz playing	P29
HDMI1 1280*1024@60Hz & 1kHz playing	P30
HDMI1 640*480@60Hz & 1kHz playing	P31
HDMI2 3840*2160@60Hz & 1kHz playing	P32
HDMI3 3840*2160@30Hz & 1kHz playing	P33
HDMI1080P	P34
USB Play	P35
LAN Play	P36
WIFI	P37

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.	:	LC-65P6000U	Humidity :	60%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test :	Jul 11, 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	84.999	23.69	10.30	0.90	--	34.89	40.00	5.11	QP
	175.037	25.58	10.10	1.40	--	37.08	43.50	6.42	
	297.224	21.40	13.90	1.76	--	37.06	46.00	8.94	
	477.169	20.17	17.96	2.25	--	40.38	46.00	5.62	
	560.693	15.11	18.70	2.43	--	36.24	46.00	9.76	
	839.182	**18.06**	**20.90**	**2.94**	**--**	**41.90**	**46.00**	**4.10**	
	1537.292	45.77	25.77	3.92	35.72	39.74	74.00	34.26	PK
	1838.956	44.29	26.95	4.23	35.43	40.04	74.00	33.96	
	2126.188	44.90	27.75	4.58	35.29	41.94	74.00	32.06	
	1537.292	30.73	25.77	3.92	35.72	24.70	54.00	29.30	AV
	1838.956	29.72	26.95	4.23	35.43	25.47	54.00	28.53	
	2126.188	30.63	27.75	4.58	35.29	27.67	54.00	26.33	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	LC-65P6000U	Humidity	: 60%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test	: Jul 11, 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	31.510	16.06	17.92	0.56	--	34.54	40.00	5.46	QP
	87.112	23.15	10.51	0.92	--	34.58	40.00	5.42	
	176.269	25.62	10.07	1.40	--	37.09	43.50	6.41	
	482.216	17.85	18.04	2.26	--	38.15	46.00	7.85	
	560.693	20.55	18.70	2.43	--	41.68	46.00	4.32	
	842.130	**18.95**	**20.90**	**2.94**	**--**	**42.79**	**46.00**	**3.21**	
	1133.628	49.20	24.15	3.98	36.20	41.13	74.00	32.87	PK
	1562.283	45.28	25.87	3.98	35.69	39.44	74.00	34.56	
	2153.023	46.88	27.79	4.61	35.28	44.00	74.00	30.00	
	1133.628	33.44	24.15	3.98	36.20	25.37	54.00	28.63	AV
	1562.283	31.86	25.87	3.98	35.69	26.02	54.00	27.98	
	2153.023	31.89	27.79	4.61	35.28	29.01	54.00	24.99	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	LC-65P6000U	Humidity :	60%RH
Test Mode	:	HDMI1 1920*1080@60Hz & 1kHz Playing	Date of Test :	Jul 11, 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	84.999	23.62	10.30	0.90	34.82	40.00	5.18
	176.269	26.26	10.07	1.40	37.73	43.50	5.77
	480.528	19.68	18.00	2.25	39.93	46.00	6.07
	562.662	17.91	18.75	2.43	39.09	46.00	6.91
	839.182	17.45	20.90	2.94	41.29	46.00	4.71
	896.997	**17.59**	**20.93**	**3.03**	**41.55**	**46.00**	**4.45**
Vertical	31.071	15.17	18.21	0.56	33.94	40.00	6.06
	90.855	25.39	10.98	0.93	37.30	43.50	6.20
	175.037	24.88	10.10	1.40	36.38	43.50	7.12
	477.169	17.25	17.96	2.25	37.46	46.00	8.54
	701.761	14.94	20.47	2.69	38.10	46.00	7.90
	842.130	**17.30**	**20.90**	**2.94**	**41.14**	**46.00**	**4.86**

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	LC-65P6000U	Humidity :	60%RH
Test Mode	:	HDMI1 1280*1024@60Hz & 1kHz Playing	Date of Test :	Jul 11, 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	82.071	23.63	9.79	0.87	34.29	40.00	5.71
	124.133	18.73	12.96	1.15	32.84	43.50	10.66
	176.269	26.79	10.07	1.40	38.26	43.50	5.24
	480.528	20.09	18.00	2.25	40.34	46.00	5.66
	562.662	16.96	18.75	2.43	38.14	46.00	7.86
	839.182	**17.42**	**20.90**	**2.94**	**41.26**	**46.00**	**4.74**
Vertical	31.180	15.21	18.14	0.56	33.91	40.00	6.09
	87.112	**23.40**	**10.51**	**0.92**	**34.83**	**40.00**	**5.17**
	175.652	23.06	10.09	1.40	34.55	43.50	8.95
	480.528	18.64	18.00	2.25	38.89	46.00	7.11
	560.693	18.53	18.70	2.43	39.66	46.00	6.34
	796.183	15.84	20.80	2.85	39.49	46.00	6.51

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	LC-65P6000U	Humidity :	60%RH
Test Mode	:	HDMI1 640*480@60Hz & 1kHz Playing	Date of Test :	Jul 11, 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	82.071	23.47	9.79	0.87	34.13	40.00	5.87
	127.218	20.11	12.72	1.17	34.00	43.50	9.50
	175.037	25.80	10.10	1.40	37.30	43.50	6.20
	420.580	16.36	17.13	2.11	35.60	46.00	10.40
	480.528	19.35	18.00	2.25	39.60	46.00	6.40
	893.857	**16.26**	**20.97**	**3.03**	**40.26**	**46.00**	**5.74**
Vertical	34.037	15.53	16.90	0.59	33.02	40.00	6.98
	87.112	22.88	10.51	0.92	34.31	40.00	5.69
	175.037	26.34	10.10	1.40	37.84	43.50	5.66
	420.580	21.36	17.13	2.11	40.60	46.00	5.40
	562.662	**20.49**	**18.75**	**2.43**	**41.67**	**46.00**	**4.33**
	896.997	17.20	20.93	3.03	41.16	46.00	4.84

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature	:	22℃
Model No.	:	LC-65P6000U	Humidity	:	60%RH
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz playing	Date of Test	:	Jul 11, 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	84.999	23.37	10.30	0.90	34.57	40.00	5.43
	176.269	26.15	10.07	1.40	37.62	43.50	5.88
	297.224	23.78	13.90	1.76	39.44	46.00	6.56
	480.528	20.37	18.00	2.25	40.62	46.00	5.38
	560.693	19.85	18.70	2.43	40.98	46.00	5.02
	839.182	**17.87**	**20.90**	**2.94**	**41.71**	**46.00**	**4.29**
Vertical	30.962	15.40	18.21	0.56	34.17	40.00	5.83
	92.139	26.11	11.26	0.94	38.31	43.50	5.19
	175.037	26.00	10.10	1.40	37.50	43.50	6.00
	477.169	17.90	17.96	2.25	38.11	46.00	7.89
	562.662	**21.02**	**18.75**	**2.43**	**42.20**	**46.00**	**3.80**
	842.130	18.01	20.90	2.94	41.85	46.00	4.15

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	LC-65P6000U	Humidity :	60%RH
Test Mode	:	HDMI3 3840*2160@30Hz & 1kHz playing	Date of Test :	Jul 11, 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	84.999	23.08	10.30	0.90	34.28	40.00	5.72
	176.269	26.26	10.07	1.40	37.73	43.50	5.77
	297.224	23.08	13.90	1.76	38.74	46.00	7.26
	480.528	20.40	18.00	2.25	40.65	46.00	5.35
	558.730	18.88	18.70	2.43	40.01	46.00	5.99
	890.728	**16.98**	**21.00**	**3.03**	**41.01**	**46.00**	**4.99**
Vertical	30.962	14.46	18.21	0.56	33.23	40.00	6.77
	89.905	25.80	10.76	0.93	37.49	43.50	6.01
	176.269	25.17	10.07	1.40	36.64	43.50	6.86
	480.528	17.55	18.00	2.25	37.80	46.00	8.20
	562.662	20.00	18.75	2.43	41.18	46.00	4.82
	845.088	**18.23**	**20.90**	**2.94**	**42.07**	**46.00**	**3.93**

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity	:	60%RH
Test Mode	:	HDMI1080P	Date of Test	:	Jul 11, 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	88.033	25.94	10.59	0.92	37.45	43.50	6.05
	176.269	26.22	10.07	1.40	37.69	43.50	5.81
	257.422	24.71	13.30	1.66	39.67	46.00	6.33
	420.580	16.01	17.13	2.11	35.25	46.00	10.75
	480.528	**21.36**	**18.00**	**2.25**	**41.61**	**46.00**	**4.39**
	839.182	15.84	20.90	2.94	39.68	46.00	6.32
Vertical	34.037	16.14	16.90	0.59	33.63	40.00	6.37
	87.112	23.12	10.51	0.92	34.55	40.00	5.45
	162.041	25.44	10.41	1.33	37.18	43.50	6.32
	480.528	19.08	18.00	2.25	39.33	46.00	6.67
	558.730	18.38	18.70	2.43	39.51	46.00	6.49
	842.130	**17.41**	**20.90**	**2.94**	**41.25**	**46.00**	**4.75**

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	60%RH	
Test Mode	:	USB Play	Date of Test :	Jul 11, 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	**87.418**	**22.21**	**10.55**	**0.92**	**33.68**	**40.00**	**6.32**
	126.329	18.54	12.81	1.16	32.51	43.50	10.99
	272.278	18.40	13.60	1.70	33.70	46.00	12.30
	541.373	12.70	18.62	2.38	33.70	46.00	12.30
	682.348	12.02	20.23	2.66	34.91	46.00	11.09
	962.162	13.00	21.63	3.14	37.77	54.00	16.23
Vertical	**35.128**	**16.02**	**15.92**	**0.60**	**32.54**	**40.00**	**7.46**
	88.033	24.25	10.59	0.92	35.76	43.50	7.74
	175.652	23.74	10.09	1.40	35.23	43.50	8.27
	404.667	14.64	16.60	2.07	33.31	46.00	12.69
	556.774	14.95	18.70	2.41	36.06	46.00	9.94
	719.200	12.89	20.48	2.73	36.10	46.00	9.90

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	60%RH	
Test Mode	:	LAN Play	Date of Test :	Jul 11, 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**	**23.99**	**9.91**	**0.88**	**34.78**	**40.00**	**5.22**
	152.130	22.12	11.50	1.29	34.91	43.50	8.59
	354.183	18.50	15.47	1.93	35.90	46.00	10.10
	528.246	16.37	18.50	2.36	37.23	46.00	8.77
	726.805	12.03	20.43	2.74	35.20	46.00	10.80
	887.610	12.16	21.00	3.03	36.19	46.00	9.81
Vertical	**32.406**	**15.73**	**17.54**	**0.57**	**33.84**	**40.00**	**6.16**
	61.346	25.69	6.65	0.78	33.12	40.00	6.88
	97.798	21.15	12.38	0.99	34.52	43.50	8.98
	392.095	15.56	16.22	2.04	33.82	46.00	12.18
	515.437	13.17	18.50	2.33	34.00	46.00	12.00
	790.619	12.77	20.80	2.85	36.42	46.00	9.58

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	LC-65P6000U	Humidity :	60%RH	
Test Mode	:	WIFI	Date of Test :	Jul 11, 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	**81.212**	**23.61**	**9.59**	**0.87**	**34.07**	**40.00**	**5.93**
	175.037	25.70	10.10	1.40	37.20	43.50	6.30
	275.157	21.16	13.60	1.71	36.47	46.00	9.53
	539.478	14.32	18.60	2.38	35.30	46.00	10.70
	658.836	12.49	19.90	2.62	35.01	46.00	10.99
	810.265	12.25	20.80	2.87	35.92	46.00	10.08
Vertical	31.180	14.31	18.14	0.56	33.01	40.00	6.99
	81.497	**23.04**	**9.66**	**0.87**	**33.57**	**40.00**	**6.43**
	193.773	24.46	9.60	1.47	35.53	43.50	7.97
	299.316	20.15	14.00	1.77	35.92	46.00	10.08
	470.523	14.88	17.80	2.23	34.91	46.00	11.09
	570.610	14.90	18.90	2.45	36.25	46.00	9.75

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 19

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)