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

LED LCD TV

Model No.:
65R6D, 65R6D+, 65R6+0D, 65R6+0D1, 65R60+0D2, 65R6+0D2,
65R60+0D, 65R60+0D1, 65R6DM, 65R6607, 65R6107, 65DU64+0

Brand: Hisense

FCC ID : W9HLCDF0123

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-F17193
Date of Test : May 04-16, 2017
Date of Report : Jun 06, 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 04-16, 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.F17194, a Verification report.

Date of Test : May 04-16, 2017 Date of Report : Jun 06, 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
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B AND ANSI C63.4-2014	15.109(a) Class B	Pass

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	:	LED LCD TV
Type of EUT	:	☑ Production ☐ Pre-product ☐ Pro-type
Model No	:	65R6D, 65R6D+, 65R6+0D, 65R6+0D1, 65R60+0D2, 65R6+0D2, 65R60+0D, 65R60+0D1, 65R6DM, 65R6607, 65R6107, 65DU64+0
Note #1	:	The above models are all the same except for model number. 65R6D 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-WN4519L
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 : HD650K3U51
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:

(1) One USB Port
: Connected with Hard-Disk
(2) One AV IN Port
: Connected with DVD Player
(3) One ANT Port
: Connected with ATSC SG/TV SG
(4) One HDMI1 Port
: Connected with PC
(5) One HDMI2 Port
: Connected with PC
(6) One HDMI3 Port
: Connected with DVD Player
(7) One DIGITALAUDIO OUT Port
: Connected with Audio Converter to Earphone
(8) One AUDIO OUT Port
: Connected with Earphone
(9) 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

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

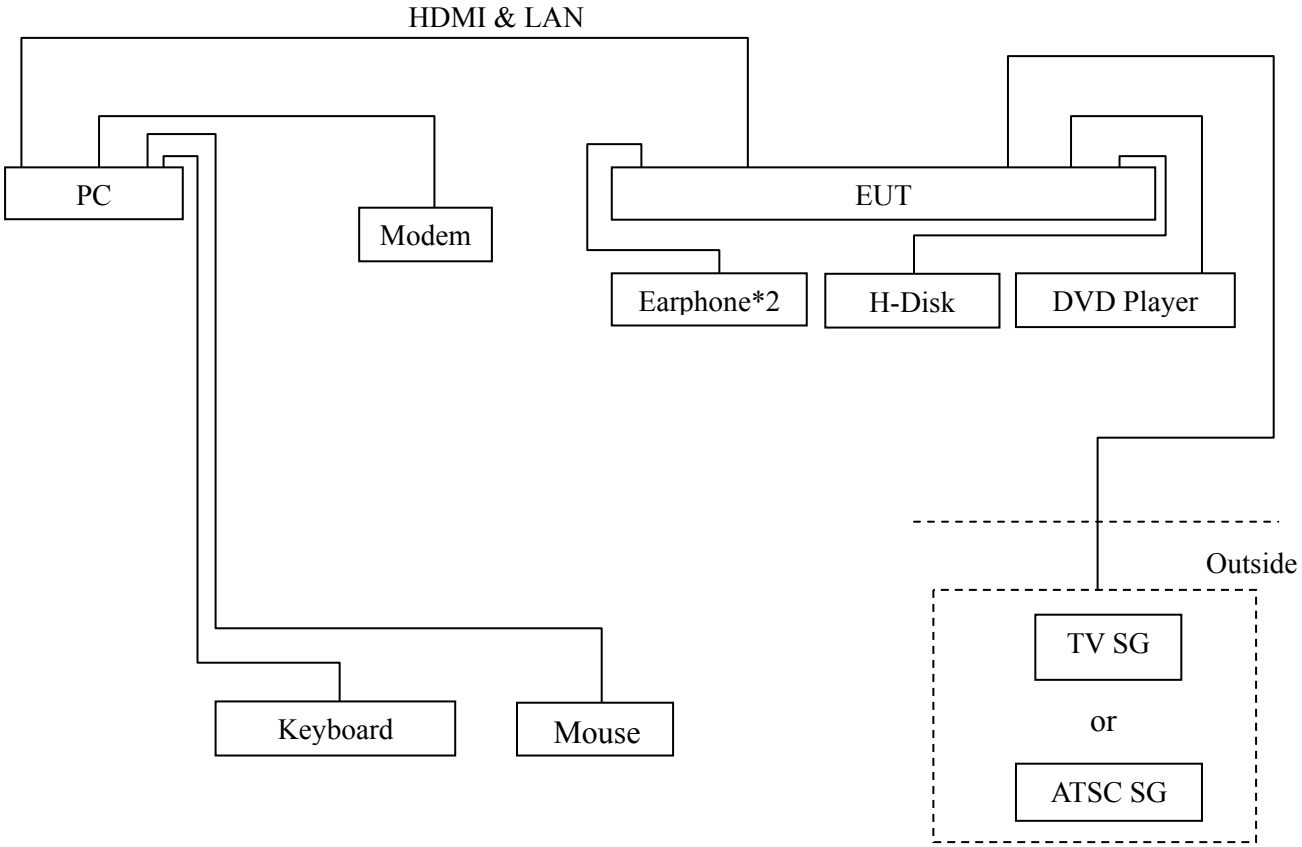
3.1 Test Equipment

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

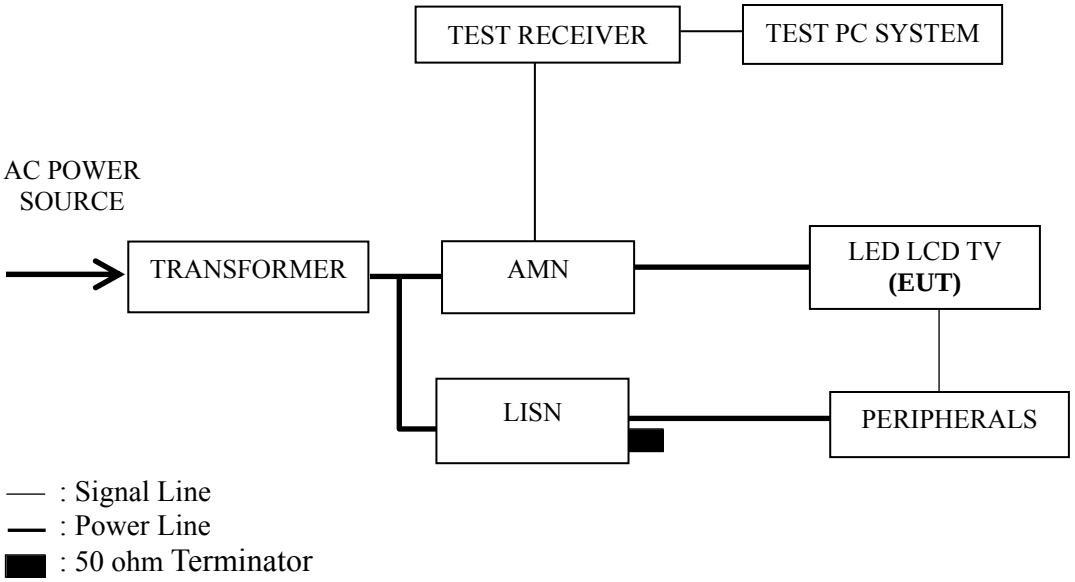
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	101302	Apr 27, 2017	Apr 26, 2018
2.	Artificial Mains Network (AMN)	R&S	ENV4200	100125	Jun 25, 2016	Jun 24, 2017
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-4	Mar 17, 2017	Mar 16, 2018
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 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@60Hz & 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@60Hz & 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.
NOTE 4 – The worst case is for LAN Play test mode. The worst emission is detected at 0.150 MHz (Quasi-Peak Value) with corrected signal level of 61.48dB (μV) (limit is 65.98 dB (μV)), when the Neutral of the EUT is connected to AMN.

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	48%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz Playing	Date of Test :	May 04, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	47.20	10.59	57.79	65.99	8.20	QP
	0.204	41.40	10.53	51.93	63.45	11.52	
	0.686	29.90	10.40	40.30	56.00	15.70	
	1.249	32.39	10.41	42.80	56.00	13.20	
	2.033	29.40	10.41	39.81	56.00	16.19	
	15.146	31.20	10.55	41.75	60.00	18.25	
	0.150	23.60	10.59	34.19	55.99	21.80	AV
	0.204	29.60	10.53	40.13	53.45	13.32	
	0.686	21.00	10.40	31.40	46.00	14.60	
	1.249	20.29	10.41	30.70	46.00	15.30	
	2.033	19.70	10.41	30.11	46.00	15.89	
	15.146	24.70	10.55	35.25	50.00	14.75	
Neutral	**0.150**	**47.60**	**10.58**	**58.18**	**66.00**	**7.82**	QP
	0.413	31.90	10.42	42.32	57.59	15.27	
	0.672	30.70	10.39	41.09	56.00	14.91	
	1.324	28.30	10.41	38.71	56.00	17.29	
	2.554	27.20	10.45	37.65	56.00	18.35	
	16.226	29.50	10.67	40.17	60.00	19.83	
	0.150	24.70	10.58	35.28	56.00	20.72	AV
	0.413	23.60	10.42	34.02	47.59	13.57	
	0.672	22.50	10.39	32.89	46.00	13.11	
	1.324	19.20	10.41	29.61	46.00	16.39	
	2.554	17.80	10.45	28.25	46.00	17.75	
	16.226	23.90	10.67	34.57	50.00	15.43	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity :	48%RH	
Test Mode	:	HDMI1 1280*1024@60Hz & 1kHz Playing	Date of Test :	May 04, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.152**	**50.30**	**10.59**	**60.89**	**65.91**	**5.02**	QP
	0.194	42.00	10.54	52.54	63.84	11.30	
	0.654	29.97	10.40	40.37	56.00	15.63	
	1.210	28.93	10.41	39.34	56.00	16.66	
	2.678	28.26	10.43	38.69	56.00	17.31	
	17.383	28.41	10.58	38.99	60.00	21.01	
	0.152	29.60	10.59	40.19	55.91	15.72	AV
	0.194	29.00	10.54	39.54	53.84	14.30	
	0.654	16.97	10.40	27.37	46.00	18.63	
	1.210	15.93	10.41	26.34	46.00	19.66	
	2.678	19.26	10.43	29.69	46.00	16.31	
	17.383	22.41	10.58	32.99	50.00	17.01	
Neutral	0.150	48.40	10.58	58.98	65.98	7.00	QP
	0.184	41.13	10.54	51.67	64.28	12.61	
	0.426	30.07	10.41	40.48	57.33	16.85	
	1.262	27.78	10.41	38.19	56.00	17.81	
	2.650	27.58	10.46	38.04	56.00	17.96	
	16.055	27.04	10.67	37.71	60.00	22.29	
	0.150	26.20	10.58	36.78	55.98	19.20	AV
	0.184	29.13	10.54	39.67	54.28	14.61	
	0.426	18.07	10.41	28.48	47.33	18.85	
	1.262	16.78	10.41	27.19	46.00	18.81	
	2.650	18.58	10.46	29.04	46.00	16.96	
	16.055	22.04	10.67	32.71	50.00	17.29	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity :	48%RH	
Test Mode	:	HDMI1 1280*1024@60Hz & 1kHz Playing	Date of Test :	May 04, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.151	49.30	10.59	59.89	65.97	6.08	QP
	0.180	41.92	10.56	52.48	64.50	12.02	
	0.701	27.74	10.40	38.14	56.00	17.86	
	1.236	29.35	10.41	39.76	56.00	16.24	
	2.622	27.20	10.42	37.62	56.00	18.38	
	16.055	27.54	10.56	38.10	60.00	21.90	
	0.151	25.10	10.59	35.69	55.97	20.28	AV
	0.180	26.92	10.56	37.48	54.50	17.02	
	0.701	16.74	10.40	27.14	46.00	18.86	
	1.236	16.35	10.41	26.76	46.00	19.24	
	2.622	18.20	10.42	28.62	46.00	17.38	
	16.055	22.54	10.56	33.10	50.00	16.90	
Neutral	**0.150**	**50.70**	**10.58**	**61.28**	**65.99**	**4.71**	QP
	0.182	41.86	10.54	52.40	64.42	12.02	
	0.686	30.47	10.39	40.86	56.00	15.14	
	1.262	26.61	10.41	37.02	56.00	18.98	
	2.581	29.62	10.45	40.07	56.00	15.93	
	16.055	27.09	10.67	37.76	60.00	22.24	
	0.150	30.00	10.58	40.58	55.99	15.41	AV
	0.182	28.86	10.54	39.40	54.42	15.02	
	0.686	21.47	10.39	31.86	46.00	14.14	
	1.262	17.61	10.41	28.02	46.00	17.98	
	2.581	20.62	10.45	31.07	46.00	14.93	
	16.055	22.09	10.67	32.76	50.00	17.24	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity :	48%RH	
Test Mode	:	HDMI1 640*480@60Hz & 1kHz Playing	Date of Test :	May 04, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.150**	**49.00**	**10.59**	**59.59**	**65.98**	**6.39**	QP
	0.184	42.58	10.55	53.13	64.28	11.15	
	0.701	27.99	10.40	38.39	56.00	17.61	
	0.984	30.06	10.40	40.46	56.00	15.54	
	1.819	28.79	10.41	39.20	56.00	16.80	
	20.162	25.84	10.61	36.45	60.00	23.55	
	0.150	26.40	10.59	36.99	55.98	18.99	AV
	0.184	29.58	10.55	40.13	54.28	14.15	
	0.701	15.99	10.40	26.39	46.00	19.61	
	0.984	19.06	10.40	29.46	46.00	16.54	
	1.819	19.79	10.41	30.20	46.00	15.80	
	20.162	18.84	10.61	29.45	50.00	20.55	
Neutral	0.150	48.70	10.58	59.28	65.98	6.70	QP
	0.184	41.96	10.54	52.50	64.28	11.78	
	0.417	31.17	10.42	41.59	57.51	15.92	
	0.953	28.38	10.40	38.78	56.00	17.22	
	1.819	28.93	10.43	39.36	56.00	16.64	
	17.383	27.21	10.69	37.90	60.00	22.10	
	0.150	24.30	10.58	34.88	55.98	21.10	AV
	0.184	28.96	10.54	39.50	54.28	14.78	
	0.417	22.17	10.42	32.59	47.51	14.92	
	0.953	19.38	10.40	29.78	46.00	16.22	
	1.819	19.93	10.43	30.36	46.00	15.64	
	17.383	21.21	10.69	31.90	50.00	18.10	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity :	48%RH	
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz playing	Date of Test :	May 04, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	46.20	10.59	56.79	65.98	9.19	QP
	0.184	42.66	10.55	53.21	64.28	11.07	
	0.672	28.36	10.40	38.76	56.00	17.24	
	1.210	27.87	10.41	38.28	56.00	17.72	
	2.650	28.06	10.43	38.49	56.00	17.51	
	15.552	27.59	10.55	38.14	60.00	21.86	
	0.150	27.40	10.59	37.99	55.98	17.99	AV
	0.184	29.66	10.55	40.21	54.28	14.07	
	0.672	15.36	10.40	25.76	46.00	20.24	
	1.210	16.87	10.41	27.28	46.00	18.72	
	2.650	17.06	10.43	27.49	46.00	18.51	
	15.552	22.59	10.55	33.14	50.00	16.86	
Neutral	**0.151**	**46.90**	**10.58**	**57.48**	**65.96**	**8.48**	QP
	0.184	41.91	10.54	52.45	64.28	11.83	
	0.701	30.40	10.39	40.79	56.00	15.21	
	1.249	28.55	10.41	38.96	56.00	17.04	
	2.033	25.38	10.43	35.81	56.00	20.19	
	15.146	26.12	10.65	36.77	60.00	23.23	
	0.151	24.70	10.58	35.28	55.96	20.68	AV
	0.184	29.91	10.54	40.45	54.28	13.83	
	0.701	22.40	10.39	32.79	46.00	13.21	
	1.249	17.55	10.41	27.96	46.00	18.04	
	2.033	14.38	10.43	24.81	46.00	21.19	
	15.146	21.12	10.65	31.77	50.00	18.23	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity :	48%RH	
Test Mode	:	HDMI3 3840*2160@60Hz & 1kHz playing	Date of Test :	May 04, 2017	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**46.20**	**10.59**	**56.79**	**65.96**	**9.17**	QP
	0.182	43.01	10.55	53.56	64.42	10.86	
	0.701	27.71	10.40	38.11	56.00	17.89	
	1.262	30.32	10.41	40.73	56.00	15.27	
	1.819	28.24	10.41	38.65	56.00	17.35	
	16.398	27.85	10.57	38.42	60.00	21.58	
	0.151	27.50	10.59	38.09	55.96	17.87	AV
	0.182	28.01	10.55	38.56	54.42	15.86	
	0.701	18.71	10.40	29.11	46.00	16.89	
	1.262	19.32	10.41	29.73	46.00	16.27	
	1.819	19.24	10.41	29.65	46.00	16.35	
	16.398	22.85	10.57	33.42	50.00	16.58	
Neutral	0.152	46.10	10.58	56.68	65.90	9.22	QP
	0.182	41.75	10.54	52.29	64.42	12.13	
	0.413	30.50	10.42	40.92	57.59	16.67	
	0.694	31.27	10.39	41.66	56.00	14.34	
	1.249	28.14	10.41	38.55	56.00	17.45	
	16.055	27.42	10.67	38.09	60.00	21.91	
	0.152	25.10	10.58	35.68	55.90	20.22	AV
	0.182	28.75	10.54	39.29	54.42	15.13	
	0.413	21.50	10.42	31.92	47.59	15.67	
	0.694	22.27	10.39	32.66	46.00	13.34	
	1.249	17.14	10.41	27.55	46.00	18.45	
	16.055	22.42	10.67	33.09	50.00	16.91	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity	:	48%RH
Test Mode	:	HDMI 1080P	Date of Test	:	May 04, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.151**	**48.80**	**10.59**	**59.39**	**65.97**	**6.58**	QP
	0.182	42.18	10.55	52.73	64.42	11.69	
	0.654	28.90	10.40	39.30	56.00	16.70	
	0.984	30.26	10.40	40.66	56.00	15.34	
	2.088	26.52	10.41	36.93	56.00	19.07	
	20.814	24.87	10.62	35.49	60.00	24.51	
	0.151	25.20	10.59	35.79	55.97	20.18	AV
	0.182	28.18	10.55	38.73	54.42	15.69	
	0.654	17.90	10.40	28.30	46.00	17.70	
	0.984	16.26	10.40	26.66	46.00	19.34	
	2.088	17.52	10.41	27.93	46.00	18.07	
	20.814	17.87	10.62	28.49	50.00	21.51	
Neutral	0.151	47.70	10.58	58.28	65.96	7.68	QP
	0.184	41.77	10.54	52.31	64.28	11.97	
	0.720	28.62	10.39	39.01	56.00	16.99	
	1.117	28.40	10.40	38.80	56.00	17.20	
	2.622	29.45	10.45	39.90	56.00	16.10	
	15.226	26.40	10.65	37.05	60.00	22.95	
	0.151	24.50	10.58	35.08	55.96	20.88	AV
	0.184	28.77	10.54	39.31	54.28	14.97	
	0.720	16.62	10.39	27.01	46.00	18.99	
	1.117	19.40	10.40	29.80	46.00	16.20	
	2.622	18.45	10.45	28.90	46.00	17.10	
	15.226	21.40	10.65	32.05	50.00	17.95	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity	:	48%RH
Test Mode	:	USB Play	Date of Test	:	May 04, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.151	49.40	10.59	59.99	65.97	5.98	QP
	0.182	42.46	10.55	53.01	64.42	11.41	
	0.974	29.13	10.40	39.53	56.00	16.47	
	1.839	28.36	10.41	38.77	56.00	17.23	
	4.874	25.80	10.45	36.25	56.00	19.75	
	21.147	25.60	10.64	36.24	60.00	23.76	
	0.151	25.70	10.59	36.29	55.97	19.68	AV
	0.182	28.46	10.55	39.01	54.42	15.41	
	0.974	18.13	10.40	28.53	46.00	17.47	
	1.839	19.36	10.41	29.77	46.00	16.23	
	4.874	18.80	10.45	29.25	46.00	16.75	
	21.147	17.60	10.64	28.24	50.00	21.76	
Neutral	**0.150**	**49.60**	**10.58**	**60.18**	**65.98**	**5.80**	QP
	0.180	41.64	10.55	52.19	64.50	12.31	
	0.686	30.51	10.39	40.90	56.00	15.10	
	1.781	27.32	10.43	37.75	56.00	18.25	
	2.622	26.02	10.45	36.47	56.00	19.53	
	15.226	26.34	10.65	36.99	60.00	23.01	
	0.150	28.50	10.58	39.08	55.98	16.90	AV
	0.180	26.64	10.55	37.19	54.50	17.31	
	0.686	22.51	10.39	32.90	46.00	13.10	
	1.781	18.32	10.43	28.75	46.00	17.25	
	2.622	17.02	10.45	27.47	46.00	18.53	
	15.226	21.34	10.65	31.99	50.00	18.01	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity	:	48%RH
Test Mode	:	LAN Play	Date of Test	:	May 04, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.151	50.10	10.59	60.69	65.97	5.28	QP
	0.180	42.50	10.56	53.06	64.50	11.44	
	0.984	29.40	10.40	39.80	56.00	16.20	
	2.044	25.83	10.41	36.24	56.00	19.76	
	4.772	23.96	10.45	34.41	56.00	21.59	
	15.885	27.12	10.56	37.68	60.00	22.32	
	0.151	28.40	10.59	38.99	55.97	16.98	AV
	0.180	26.50	10.56	37.06	54.50	17.44	
	0.984	16.40	10.40	26.80	46.00	19.20	
	2.044	14.83	10.41	25.24	46.00	20.76	
	4.772	17.96	10.45	28.41	46.00	17.59	
	15.885	22.12	10.56	32.68	50.00	17.32	
Neutral	**0.150**	**50.90**	**10.58**	**61.48**	**65.98**	**4.50**	QP
	0.182	41.95	10.54	52.49	64.42	11.93	
	0.672	28.16	10.39	38.55	56.00	17.45	
	1.141	28.18	10.40	38.58	56.00	17.42	
	2.622	26.10	10.45	36.55	56.00	19.45	
	15.885	27.32	10.67	37.99	60.00	22.01	
	0.150	30.00	10.58	40.58	55.98	15.40	AV
	0.182	27.95	10.54	38.49	54.42	15.93	
	0.672	15.16	10.39	25.55	46.00	20.45	
	1.141	16.18	10.40	26.58	46.00	19.42	
	2.622	17.10	10.45	27.55	46.00	18.45	
	15.885	22.32	10.67	32.99	50.00	17.01	

TEST ENGINEER: BYRON WU

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity	:	48%RH
Test Mode	:	WIFI	Date of Test	:	May 04, 2017

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	**0.150**	**49.50**	**10.59**	**60.09**	**65.98**	**5.89**	QP
	0.182	42.99	10.55	53.54	64.42	10.88	
	0.989	30.64	10.40	41.04	56.00	14.96	
	1.236	28.93	10.41	39.34	56.00	16.66	
	2.650	28.30	10.43	38.73	56.00	17.27	
	15.885	27.67	10.56	38.23	60.00	21.77	
	0.150	28.00	10.59	38.59	55.98	17.39	AV
	0.182	28.99	10.55	39.54	54.42	14.88	
	0.989	17.64	10.40	28.04	46.00	17.96	
	1.236	16.93	10.41	27.34	46.00	18.66	
	2.650	17.30	10.43	27.73	46.00	18.27	
	15.885	22.67	10.56	33.23	50.00	16.77	
Neutral	0.151	48.30	10.58	58.88	65.97	7.09	QP
	0.188	41.35	10.53	51.88	64.11	12.23	
	0.679	30.99	10.39	41.38	56.00	14.62	
	1.262	26.56	10.41	36.97	56.00	19.03	
	2.309	27.50	10.44	37.94	56.00	18.06	
	15.885	27.67	10.67	38.34	60.00	21.66	
	0.151	24.40	10.58	34.98	55.97	20.99	AV
	0.188	29.35	10.53	39.88	54.11	14.23	
	0.679	21.99	10.39	32.38	46.00	13.62	
	1.262	15.56	10.41	25.97	46.00	20.03	
	2.309	16.50	10.44	26.94	46.00	19.06	
	15.885	22.67	10.67	33.34	50.00	16.66	

TEST ENGINEER: BYRON WU

4 RADIATED EMISSION TEST

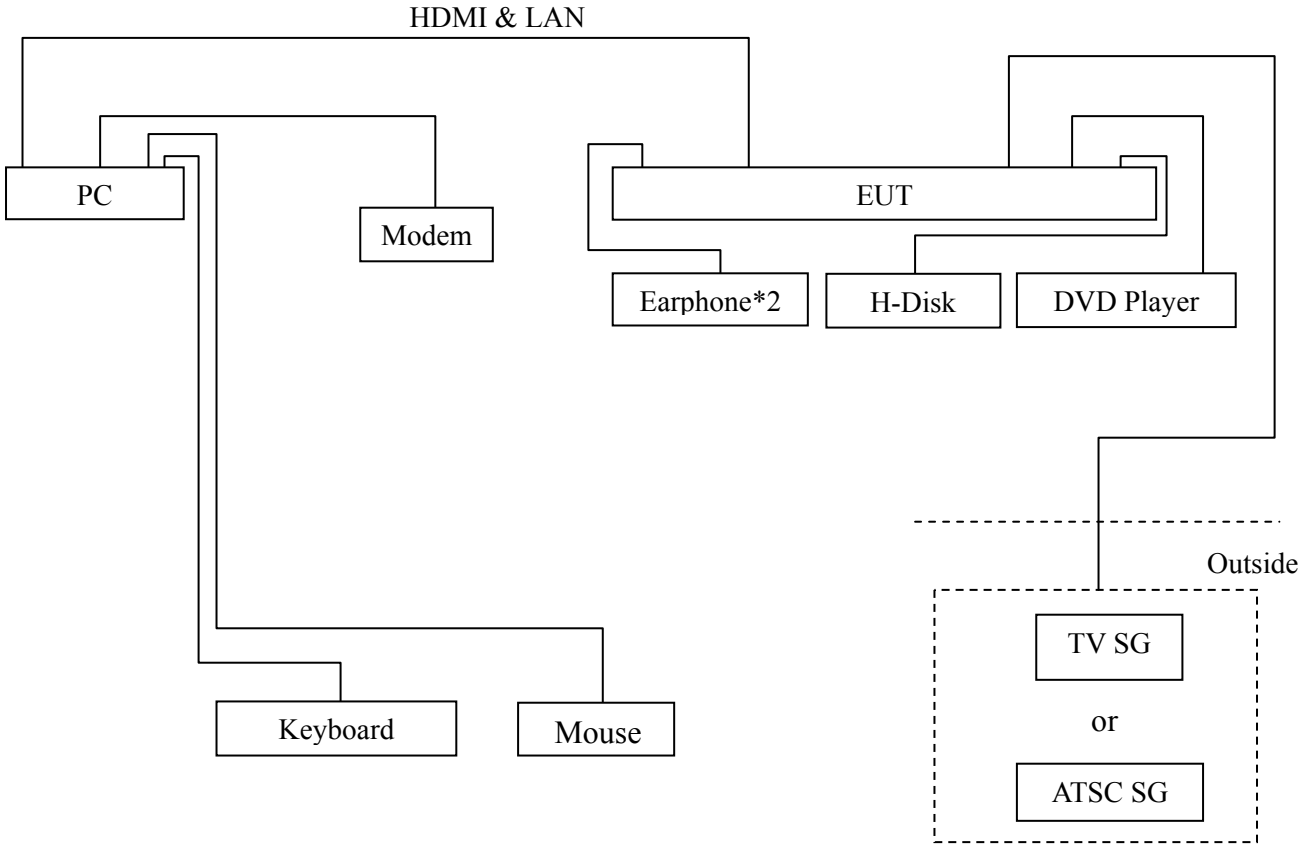
4.1 Test Equipment

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 03, 2016	Jun 02, 2017
6.	Spectrum	Agilent	E7405A	MY45106600	Apr 26, 2017	Apr 25, 2018
7.	Software	Audix	e3	6.2007-9-10	--	--

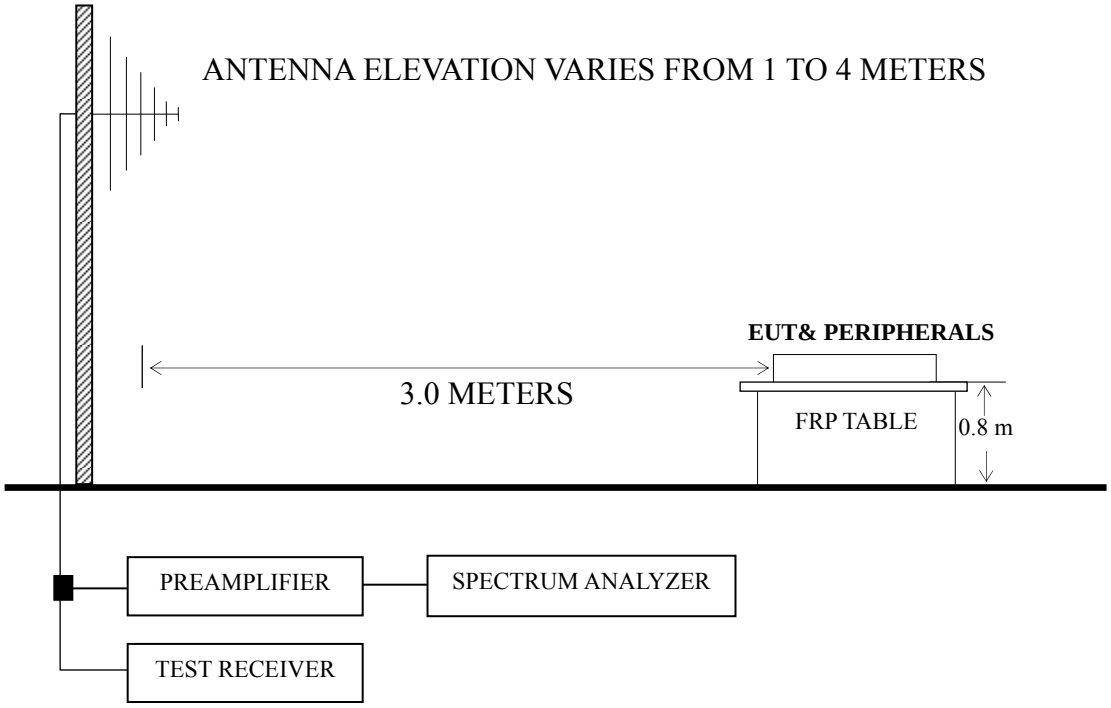
4.2 Block Diagram of Test Setup

4.2.1 EUT & Peripherals



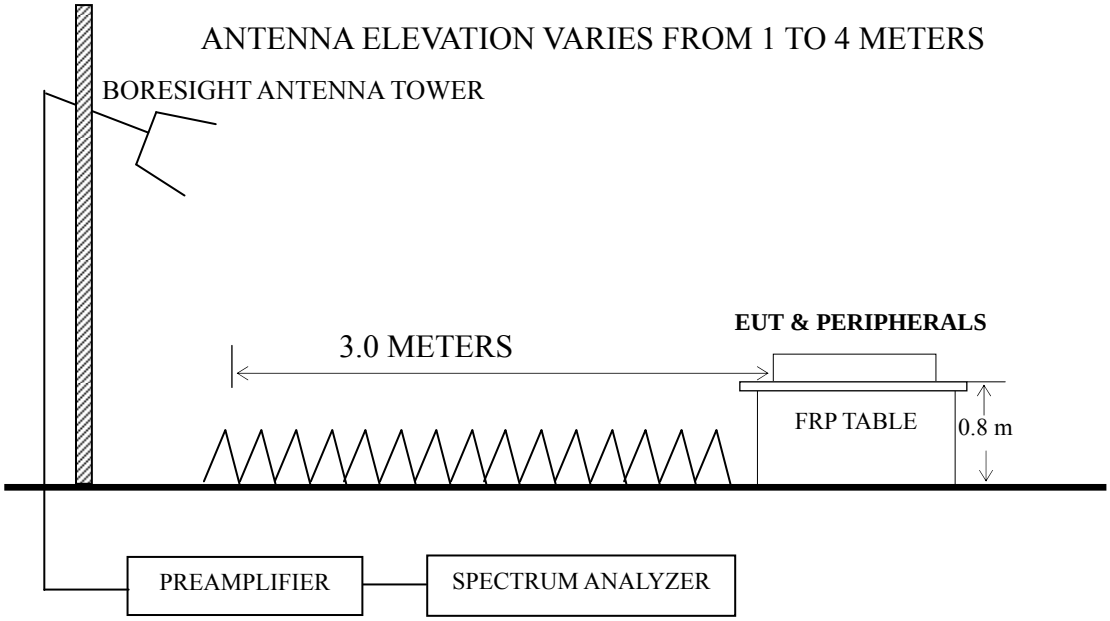
4.2.2 Radiated emission test setup

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
HDMI3 3840*2160@60Hz & 1kHz playing	P27-P28
HDMI3 1920*1080@60Hz & 1kHz playing	P29
HDMI3 1280*1024@60Hz & 1kHz playing	P30
HDMI3 640*480@60Hz & 1kHz playing	P31
HDMI1 3840*2160@60Hz & 1kHz playing	P32
HDMI2 3840*2160@60Hz & 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.

NOTE 4 – The worst case is for HDMI3 3840*2160@60Hz & 1kHz playing test mode. The worst emission at horizontal polarization was detected at 890.728 MHz with corrected signal level of 43.30 dB (μV/m) (limit is 46.00 dB (μV/m)), when the antenna was 2.00 m height and the turntable was at 265°. The worst emission at vertical polarization was detected at 890.728 MHz with corrected signal level of 42.30 dB (μV/m) (limit is 46.00 dB (μV/m)), when the antenna was 1.30 m height and the turntable was at 75°.

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	HDMI3 3840*2160@60Hz & 1kHz Playing	Date of Test :	May 16, 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	70.090	26.17	7.30	0.95	--	34.42	40.00	5.58	QP
	90.855	23.26	10.70	1.21	--	35.17	43.50	8.33	
	125.886	19.06	13.07	1.50	--	33.63	43.50	9.87	
	374.623	21.44	16.39	2.69	--	40.52	46.00	5.48	
	487.315	16.10	17.58	2.91	--	36.59	46.00	9.41	
	890.728	**17.54**	**21.30**	**4.46**	--	**43.30**	**46.00**	**2.70**	
	1308.346	56.63	24.90	3.65	35.96	49.22	74.00	24.78	PK
	1761.553	55.39	26.66	4.13	35.36	50.82	74.00	23.18	
	2645.673	56.15	29.07	5.18	35.17	55.23	74.00	18.77	
	1308.346	40.09	24.90	3.65	35.96	32.68	54.00	21.32	AV
	1761.553	39.23	26.66	4.13	35.36	34.66	54.00	19.34	
	2645.673	40.73	29.07	5.18	35.17	39.81	54.00	14.19	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity	:	60%RH
Test Mode	:	HDMI3 3840*2160@60Hz & 1kHz Playing	Date of Test	:	May 16, 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	30.962	16.12	18.15	0.64	--	34.91	40.00	5.09	QP
	70.360	26.84	7.38	0.95	--	35.17	40.00	4.83	
	95.093	21.98	11.75	1.27	--	35.00	43.50	8.50	
	121.976	21.20	12.92	1.48	--	35.60	43.50	7.90	
	629.477	15.26	19.50	2.64	--	37.40	46.00	8.60	
	890.728	**16.54**	**21.30**	**4.46**	--	**42.30**	**46.00**	**3.70**	
	1334.389	63.42	25.00	3.69	35.92	56.19	74.00	17.81	PK
	1771.048	59.66	26.70	4.13	35.35	55.14	74.00	18.86	
	3108.635	50.98	30.73	5.90	35.09	52.52	74.00	21.48	
	1334.389	47.31	25.00	3.69	35.92	40.08	54.00	13.92	AV
	1771.048	43.10	26.70	4.13	35.35	38.58	54.00	15.42	
	3108.635	35.11	30.73	5.90	35.09	36.65	54.00	17.35	

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	HDMI3 1920*1080@60Hz & 1kHz Playing	Date of Test :	May 16, 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	**70.160**	**25.97**	**7.30**	**0.95**	**34.22**	**40.00**	**5.78**
	90.855	23.17	10.70	1.21	35.08	43.50	8.42
	121.976	19.04	12.92	1.48	33.44	43.50	10.06
	372.005	20.83	16.33	2.69	39.85	46.00	6.15
	742.259	15.78	19.97	3.60	39.35	46.00	6.65
	890.728	13.54	21.30	4.46	39.30	46.00	6.70
Vertical	31.180	15.66	18.06	0.65	34.37	40.00	5.63
	70.760	**26.61**	**7.45**	**0.95**	**35.01**	**40.00**	**4.99**
	121.123	21.07	12.86	1.46	35.39	43.50	8.11
	372.005	17.31	16.33	2.69	36.33	46.00	9.67
	742.259	14.24	19.97	3.60	37.81	46.00	8.19
	972.337	9.41	22.40	4.80	36.61	54.00	17.39

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	HDMI3 1280*1024@60Hz & 1kHz Playing	Date of Test :	May 16, 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	**69.600**	**26.08**	**7.21**	**0.93**	**34.22**	**40.00**	**5.78**
	88.964	22.71	10.35	1.20	34.26	43.50	9.24
	125.007	20.26	13.10	1.49	34.85	43.50	8.65
	159.784	19.91	11.11	1.70	32.72	43.50	10.78
	370.702	17.35	16.33	2.68	36.36	46.00	9.64
	884.503	10.66	21.20	4.36	36.22	46.00	9.78
Vertical	30.962	15.51	18.15	0.64	34.30	40.00	5.70
	70.400	**26.54**	**7.38**	**0.95**	**34.87**	**40.00**	**5.13**
	121.123	18.88	12.86	1.46	33.20	43.50	10.30
	369.405	15.75	16.30	2.68	34.73	46.00	11.27
	629.477	13.01	19.50	2.64	35.15	46.00	10.85
	813.112	12.25	20.63	3.88	36.76	46.00	9.24

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	HDMI3 640*480@60Hz & 1kHz Playing	Date of Test :	May 16, 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	**69.650**	**26.68**	**7.26**	**0.93**	**34.87**	**40.00**	**5.13**
	88.964	23.60	10.35	1.20	35.15	43.50	8.35
	125.886	20.13	13.07	1.50	34.70	43.50	8.80
	369.405	21.00	16.30	2.68	39.98	46.00	6.02
	501.179	14.69	17.90	2.94	35.53	46.00	10.47
	813.112	11.40	20.63	3.88	35.91	46.00	10.09
Vertical	31.180	14.59	18.06	0.65	33.30	40.00	6.70
	70.230	**26.34**	**7.38**	**0.95**	**34.67**	**40.00**	**5.33**
	122.834	19.73	12.98	1.48	34.19	43.50	9.31
	369.405	17.08	16.30	2.68	36.06	46.00	9.94
	631.688	12.99	19.50	2.64	35.13	46.00	10.87
	813.112	12.72	20.63	3.88	37.23	46.00	8.77

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	HDMI1 3840*2160@60Hz & 1kHz playing	Date of Test :	May 16, 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	71.080	27.33	7.53	0.96	35.82	40.00	4.18
	88.964	23.87	10.35	1.20	35.42	43.50	8.08
	121.123	19.57	12.86	1.46	33.89	43.50	9.61
	209.313	19.40	10.00	2.01	31.41	43.50	12.09
	368.112	19.21	16.23	2.68	38.12	46.00	7.88
	890.728	**17.17**	**21.30**	**4.46**	**42.93**	**46.00**	**3.07**
Vertical	30.962	15.71	18.15	0.64	34.50	40.00	5.50
	70.570	**27.31**	**7.45**	**0.95**	**35.71**	**40.00**	**4.29**
	124.133	17.25	13.04	1.49	31.78	43.50	11.72
	369.405	16.11	16.30	2.68	35.09	46.00	10.91
	533.832	13.92	18.35	2.68	34.95	46.00	11.05
	890.728	11.80	21.30	4.46	37.56	46.00	8.44

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	HDMI2 3840*2160@60Hz & 1kHz playing	Date of Test :	May 16, 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	69.920	26.88	7.26	0.93	35.07	40.00	4.93
	89.905	23.45	10.45	1.21	35.11	43.50	8.39
	125.007	20.15	13.10	1.49	34.74	43.50	8.76
	297.224	18.38	13.70	2.56	34.64	46.00	11.36
	369.405	18.89	16.30	2.68	37.87	46.00	8.13
	890.728	**16.82**	**21.30**	**4.46**	**42.58**	**46.00**	**3.42**
Vertical	31.510	15.48	17.78	0.65	33.91	40.00	6.09
	70.600	**26.41**	**7.45**	**0.95**	**34.81**	**40.00**	**5.19**
	122.834	17.41	12.98	1.48	31.87	43.50	11.63
	369.405	16.36	16.30	2.68	35.34	46.00	10.66
	631.688	12.67	19.50	2.64	34.81	46.00	11.19
	813.112	15.99	20.63	3.88	40.50	46.00	5.50

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	HDMI1080P	Date of Test :	May 16, 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	69.357	26.01	7.21	0.93	34.15	40.00	5.85
	90.537	22.90	10.60	1.21	34.71	43.50	8.79
	124.133	17.99	13.04	1.49	32.52	43.50	10.98
	372.005	20.00	16.33	2.69	39.02	46.00	6.98
	489.027	14.94	17.60	2.91	35.45	46.00	10.55
	798.980	**16.40**	**20.60**	**3.68**	**40.68**	**46.00**	**5.32**
Vertical	32.179	15.82	17.35	0.66	33.83	40.00	6.17
	73.617	25.18	8.20	0.99	34.37	40.00	5.63
	121.549	19.36	12.89	1.48	33.73	43.50	9.77
	372.005	14.90	16.33	2.69	33.92	46.00	12.08
	640.611	12.98	19.50	2.77	35.25	46.00	10.75
	787.851	**16.56**	**20.50**	**3.66**	**40.72**	**46.00**	**5.28**

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃	
Model No.	:	65R6D	Humidity	:	60%RH
Test Mode	:	USB Play	Date of Test	:	May 16, 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	**68.872**	**26.54**	**7.12**	**0.92**	**34.58**	**40.00**	**5.42**
	88.342	21.53	10.25	1.20	32.98	43.50	10.52
	124.569	19.52	13.07	1.49	34.08	43.50	9.42
	207.123	22.31	9.88	1.99	34.18	43.50	9.32
	489.027	14.43	17.60	2.91	34.94	46.00	11.06
	798.980	13.38	20.60	3.68	37.66	46.00	8.34
Vertical	32.406	15.63	17.28	0.66	33.57	40.00	6.43
	69.845	**25.85**	**7.26**	**0.93**	**34.04**	**40.00**	**5.96**
	121.123	20.63	12.86	1.46	34.95	43.50	8.55
	379.914	16.63	16.50	2.69	35.82	46.00	10.18
	539.478	14.93	18.50	2.68	36.11	46.00	9.89
	785.093	13.19	20.50	3.66	37.35	46.00	8.65

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	LAN Play	Date of Test :	May 16, 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	**68.151**	**26.65**	**6.99**	**0.92**	**34.56**	**40.00**	**5.44**
	90.220	23.18	10.50	1.21	34.89	43.50	8.61
	123.266	17.85	12.98	1.48	32.31	43.50	11.19
	372.005	17.62	16.33	2.69	36.64	46.00	9.36
	497.677	14.38	17.84	2.94	35.16	46.00	10.84
	796.183	13.63	20.57	3.68	37.88	46.00	8.12
Vertical	30.638	14.71	18.43	0.64	33.78	40.00	6.22
	69.600	**26.60**	**7.21**	**0.93**	**34.74**	**40.00**	**5.26**
	123.699	19.95	13.01	1.49	34.45	43.50	9.05
	494.199	13.23	17.72	2.93	33.88	46.00	12.12
	633.907	14.92	19.50	2.64	37.06	46.00	8.94
	793.396	13.77	20.53	3.68	37.98	46.00	8.02

TEST ENGINEER: LEON YUN

EUT	:	LED LCD TV	Temperature :	22℃
Model No.	:	65R6D	Humidity :	60%RH
Test Mode	:	WIFI	Date of Test :	May 16, 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	**67.913**	**26.45**	**6.99**	**0.92**	**34.36**	**40.00**	**5.64**
	89.276	22.74	10.40	1.20	34.34	43.50	9.16
	124.569	18.20	13.07	1.49	32.76	43.50	10.74
	189.739	21.87	10.33	1.90	34.10	43.50	9.40
	378.584	16.23	16.47	2.69	35.39	46.00	10.61
	804.603	11.81	20.60	3.78	36.19	46.00	9.81
Vertical	31.510	15.50	17.78	0.65	33.93	40.00	6.07
	72.084	**25.90**	**7.83**	**0.98**	**34.71**	**40.00**	**5.29**
	98.142	20.90	12.07	1.30	34.27	43.50	9.23
	122.834	20.15	12.98	1.48	34.61	43.50	8.89
	531.964	14.52	18.35	2.73	35.60	46.00	10.40
	793.396	12.92	20.53	3.68	37.13	46.00	8.87

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
Ferrite Core BNF	BNF1730GR	Bilusi	See Internal Photos Figure 18

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)