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

LED LCD TV

| Model No. | Brand |
|----------------|---------|
| 65K680GW, 65H8 | Higango |
| 65H8G, 65H8CG | Hisense |

FCC ID: W9HLCDF0043

Prepared For: Hisense Electric Co., Ltd.

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Development Zone, Qingdao, China

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Report No.: ACI-F14083 Date of Test: May 04 – 09, 2014 Date of Report: May 19, 2014

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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.

EUT Description : LED LCD TV

| Model No. | Brand | Power Supply |
|----------------|---------|--------------|
| 65K680GW, 65H8 | Higanga | 120V/60Hz |
| 65H8G, 65H8CG | Hisense | 120V/60HZ |

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2013 AND ANSI C63.4-2003

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 - 09, 2014 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 contains data that are not covered by the NVLAP accreditation.

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.F14082, a Verification report.

| Date of Test : | May 04 – 09, 2014 | Date of Report : | May 19, 2014 |
|------------------------|---------------------------------|------------------|--------------|
| Producer : _ | Zuily Zhu EMILY ZHU / Assistant | | |
| Review: | DIO YANG / Deputy Manager | | |
| Audix Technology (Shan | ghai) Co., Ltd. | | |
| Signatory : | Sang Chy. | _ | |
| uthorized Signature EM | C SAMMY CHEN / Deputy 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 |
|---|--|----------------------|---------|
| | | | |
| Conducted Disturbance at the Mains Terminal | FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2013 AND ANSI C63.4-2003 | 15.107(a) Class B | Pass |
| Radiated Disturbance | FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2013 AND ANSI C63.4-2003 | 15.109(a) Class B | Pass |

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : LED LCD TV

Type of EUT : \square Production \square Pre-product \square Pro-type

Model No. : 65K680GW, 65H8, 65H8G, 65H8CG

Note : The above models are all the same except for

model name.

65K680GW model is tested and recorded in

the report.

Brand Name : Hisense

Applicant : Hisense Electric Co., Ltd.

No.218 Qianwangang Road, Economy &

Technology Development Zone, Qingdao, China

Manufacturer : Hisense Electric Co., Ltd.

No.218 Qianwangang Road, Economy &

Technology Development Zone, Qingdao, China

Factory #1 : Hisense Electric Co., Ltd.

No.218 Qianwangang Road, Economy &

Technology Development Zone, Qingdao, China

Factory #2 : Tatung Mexico S.A. de C.V.

Miguel Catalán 420, Parque Industrial Rio Bravo,

Cd. Juarez, Chih., CP 32557

LCD Panel : Manufacturer : CHIMEI INNOLUX

M/N : V650DK1-LS1 Rev.C1

Max Resolution : 1920*1080@60Hz

D-Sub Cable : Shielded, Detachable, 1.85m,

with two cores on cable

HDMI Cable : Shielded, Detachable, 1.00m

Power Cord : Unshielded, Detachable, 1.80m

Remark:

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

Bottom Port:

(1) One HDMI2 Port

: Connected with DVD PLAYER #3

(2) One HDMI3 Port

: Connected with DVD PLAYER #1

(3) One HDMI4/ARC Port

: Connected with DVD PLAYER #2

(4) One LAN Port

: Connected with PC

(5) One component of AV/YPbPr Port

: Connected with DVD PLAYER #3

Side Port:

(1) One DIGITAL Audio Out Port

: Connected with DVD PLAYER #3

(2) One PC/ AUDIO IN Port

: Connected with PC

(3) One VGA In Port

: Connected with PC

(4) One HDMI1 (UHD) Port

: Connected with PC

(5) One Headphone Port

: Connected with Earphone

(6) One ANT Port

: Connected with ATSC SG / TV SG

(7) Three USB Ports

: Connected with U-Disk

(8) One Debug Port

: Not open to customer

2.2 Peripherals

2.2.1 PC

Manufacturer: HP

Model Number: dx7200MT Serial Number: CNG622017W

Power Cord : Unshielded, Detachable, 1.8m

Certificate : FCC DoC; CE/EMC; VCCI; C-Tick;

BSMI, 3C, MIC

2.2.2 Printer

Manufacturer : HP Model Number : C3990A Serial Number : JPZX020487

Data Cable : Shielded, detachable, 1.5m Certificate : GS, CE/EMC, C-Tick, FCC DoC

2.2.3 Keyboard

Manufacturer : Microsoft Model Number : RT2300

Serial Number: 7668200662248

Data Cable : Shielded, Undetachable ,1.8m

Certificate : CE/EMC, FCC DoC, VCCI, MIC, C-Tick,

BSMI

2.2.4 Mouse

Manufacturer : Microsoft Model Number : RT2300

Serial Number: 6965712071551

Data Cable : Shielded, Undetachable, 1.8m.

Certificate : CE/EMC, FCC DoC, VCCI, MIC, C-Tick,

BSMI

2.2.5 Modem

Manufacturer : TP-LINK
Model Number : TM-EC5658V
Serial Number : 07123301053

Data Cable : Shielded, Detachable, 1.8m Certificate : FCC DoC, CE/EMC, CCC

2.2.6 TV Signal Generator

Manufacturer : FLUKE Model Number : 54200m01 Serial Number : 814008

Data Cable : Shielded, detachable, 2.0m Power Cord : Unshielded, detachable, 2.0m Certificate : CE/EMC, FCC DoC, CCC

2.2.7 ATSC Signal Generator

Manufacturer : SENCORE Model Number : ATSC997 Serial Number : 6790071

2.2.8 DVD PLAYER#1

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

Certificate : FCC DoC, CE/EMC, CCC

2.2.9 DVD PLAYER#2

Manufacturer : PHILIPS
Model Number : DVP3986K/93
Serial Number : KX1A0902120082

Certificate : FCC DoC, CE/EMC, CCC

2.2.10 DVD PLAYER #3

Manufacturer: LG

Model Number: DF9921N Serial Number: 3850R-M846W

Certificate : FCC DoC, CE/EMC, CCC

2.2.11 Earphone

Manufacturer : Skullcandy

Model Number: FMJ

2.2.12 U-DISK*3

Manufacturer : LG Model Number : 1GB

2.3 Description of Test Facility

Site Description : Sept. 17, 1998 file on (No.3 3m Chamber) : Mar 16, 2012 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

NVLAP Lab Code : 200371-0

2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty: U = 3.02 dB

Radiated Emission Expanded Uncertainty (30-200MHz):

U = 4.17 dB (Horizontal)

U = 4.02 dB (Vertical)

Radiated Emission Expanded Uncertainty (200M-1GHz):

U = 3.38 dB (Horizontal)

U = 3.28 dB (Vertical)

Radiated Emission Expanded Uncertainty (Above 1GHz):

U = 4.68 dB (Horizontal)

U = 4.87 dB (Vertical)

3 CONDUCTED EMISSION TEST

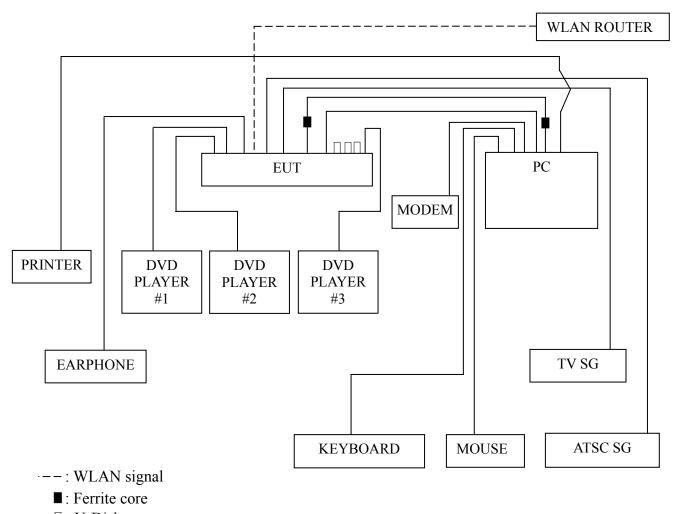
3.1 Test Equipment

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 | 100841 | Mar 20, 2014 | Mar 19, 2015 | |
| | Artificial Mains | | | | | | |
| 2. | Network | R&S | ESH2-Z5 | 843890/011 | Feb 25, 2014 | Feb 24, 2015 | |
| | (AMN) | | | | | | |
| | Line Impedance | | KNW-407 | | Mar 20, 2014 | | |
| 3. | Stabilization | Kyoritsu | | 8-1280-4 | | Mar 19, 2015 | |
| | Network (LISN) | | | | | | |
| 4. | 50 Ω Coaxial | Anritsu | MP59B | 6200426389 | Mar 18, 2014 | Sep 17, 2014 | |
| 4. | Switch | Amusu | WIF J9D | 0200420389 | Mai 16, 2014 | Sep 17, 2014 | |
| 5. | 50Ω Terminator | Anritsu | BNC | 001 | Mar 20, 2014 | Mar 19, 2015 | |
| 6. | Software | Audix | E3 | 6.2009-1-15 | | | |

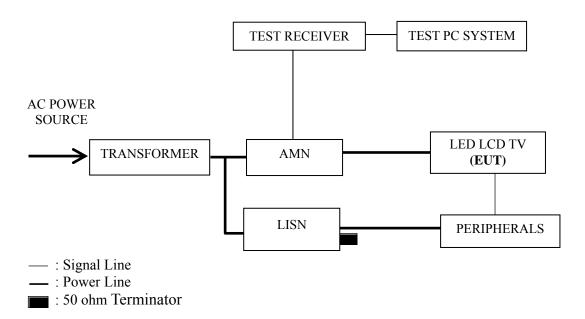
3.2 Block Diagram of Test Setup

3.2.1 EUT & Peripherals



 \square : U-Disk

3.2.2 Conducted Disturbance Test Setup



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

| Frequency Range | Limits dB (µV) | | | | |
|-----------------|----------------|---------|--|--|--|
| (MHz) | 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 D-Sub & HDMI Input).
- 3.5.5 In USB Play mode, set the EUT play digital media from U-Disk.
- 3.5.6 In LAN Play mode, set the EUT play digital media through LAN port.
- 3.5.7 The WLAN function is operating to communicate with WLAN router.
- 3.5.8 The other peripherals devices were driven and operated during the test.
- 3.5.9 The test modes are as follows:

| Test Mode |
|----------------------|
| D-Sub 1920*1080@60Hz |
| HDMI 1920*1080@60Hz |
| D-Sub 1280*1024@60Hz |
| D-Sub 640*480@60Hz |
| USB Play |
| LAN Play |

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 C63.4:2003 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 |
|----------------------|-----------|
| D-Sub 1920*1080@60Hz | P13 |
| HDMI 1920*1080@60Hz | P14 |
| D-Sub 1280*1024@60Hz | P15 |
| D-Sub 640*480@60Hz | P16 |
| USB Play | P17 |
| LAN Play | P18 |

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 D-Sub 1920*1080@60Hz test mode. The worst emission is detected at 5.721 MHz (Average Value) with corrected signal level of 39.57 dB (μV) (limit is 50.00 dB (μV)), when the Neutral of the EUT is connected to AMN.

Model No. : 65K680GW Humidity : 48%RH

Test Mode : D-Sub 1920*1080@60Hz Date of Test : May 09, 2014

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(µV) | Limits dB(µV) | Margin (dB) | Remark |
|--------------|-----------------|----------------------------|-------------|-----------------------------|---------------|-------------|--------|
| | 0.150 | 52.50 | 0.16 | 52.66 | 66.00 | 13.34 | |
| | 0.247 | 38.51 | 0.08 | 38.59 | 61.85 | 23.26 | |
| | 0.943 | 28.20 | 0.06 | 28.26 | 56.00 | 27.74 | ΟD |
| | 5.721 | 42.10 | 0.22 | 42.32 | 60.00 | 17.68 | QP |
| | 15.310 | 38.61 | -0.02 | 38.59 | 60.00 | 21.41 | |
| Lina | 21.920 | 36.50 | -0.22 | 36.28 | 60.00 | 23.72 | |
| Line | 0.150 | 39.50 | 0.16 | 39.66 | 56.00 | 16.34 | |
| | 0.247 | 26.21 | 0.08 | 26.29 | 51.85 | 25.56 | |
| | 0.943 | 16.10 | 0.06 | 16.16 | 46.00 | 29.84 | AV |
| | 5.721 | 39.10 | 0.22 | 39.32 | 50.00 | 10.68 | |
| | 15.310 | 33.61 | -0.02 | 33.59 | 50.00 | 16.41 | |
| | 21.920 | 29.00 | -0.22 | 28.78 | 50.00 | 21.22 | |
| | 0.164 | 50.80 | 0.16 | 50.96 | 65.27 | 14.31 | |
| | 0.421 | 37.89 | 0.22 | 38.11 | 57.42 | 19.31 | |
| | 0.965 | 29.80 | 0.17 | 29.97 | 56.00 | 26.03 | QP |
| | 5.721 | 42.31 | 0.26 | 42.57 | 60.00 | 17.43 | |
| | 15.320 | 40.40 | 0.55 | 40.95 | 60.00 | 19.05 | |
| NI asstract | 21.130 | 37.20 | 0.83 | 38.03 | 60.00 | 21.97 | |
| Neutral | 0.164 | 34.50 | 0.16 | 34.66 | 55.27 | 20.61 | |
| | 0.421 | 32.09 | 0.22 | 32.31 | 47.42 | 15.11 | |
| | 0.965 | 20.90 | 0.17 | 21.07 | 46.00 | 24.93 | AX7 |
| | 5.721 | 39.31 | 0.26 | 39.57 | 50.00 | 10.43 | AV |
| | 15.320 | 35.60 | 0.55 | 36.15 | 50.00 | 13.85 | |
| | 21.130 | 30.19 | 0.83 | 31.02 | 50.00 | 18.98 | |

Model No. : 65K680GW Humidity : 48%RH

Test Mode : HDMI 1920*1080@60Hz Date of Test : May 09, 2014

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(µV) | Limits dB(µV) | Margin (dB) | Remark |
|--------------|-----------------|----------------------------|-------------|-----------------------------|---------------|-------------|--------|
| | 0.152 | 52.70 | 0.15 | 52.85 | 65.88 | 13.03 | |
| | 0.239 | 39.30 | 0.09 | 39.39 | 62.13 | 22.74 | |
| | 3.368 | 28.00 | 0.14 | 28.14 | 56.00 | 27.86 | OD |
| | 5.722 | 42.30 | 0.22 | 42.52 | 60.00 | 17.48 | QP |
| | 15.400 | 38.11 | -0.02 | 38.09 | 60.00 | 21.91 | |
| Lina | 21.820 | 36.80 | -0.22 | 36.58 | 60.00 | 23.42 | |
| Line | 0.152 | 38.00 | 0.15 | 38.15 | 55.88 | 17.73 | |
| | 0.239 | 24.40 | 0.09 | 24.49 | 52.13 | 27.64 | |
| | 3.368 | 19.90 | 0.14 | 20.04 | 46.00 | 25.96 | AV |
| | 5.722 | 39.30 | 0.22 | 39.52 | 50.00 | 10.48 | |
| | 15.400 | 32.71 | -0.02 | 32.69 | 50.00 | 17.31 | |
| | 21.820 | 38.40 | -0.22 | 38.18 | 50.00 | 11.82 | |
| | 0.159 | 51.50 | 0.16 | 51.66 | 65.52 | 13.86 | |
| | 0.242 | 38.11 | 0.20 | 38.31 | 62.03 | 23.72 | |
| | 0.407 | 37.39 | 0.22 | 37.61 | 57.71 | 20.10 | QP |
| | 5.721 | 42.11 | 0.26 | 42.37 | 60.00 | 17.63 | |
| | 15.340 | 38.70 | 0.55 | 39.25 | 60.00 | 20.75 | |
| Neutral | 20.900 | 36.80 | 0.82 | 37.62 | 60.00 | 22.38 | |
| Neutrai | 0.159 | 36.50 | 0.16 | 36.66 | 55.52 | 18.86 | |
| | 0.242 | 25.31 | 0.20 | 25.51 | 52.03 | 26.52 | |
| | 0.407 | 30.49 | 0.22 | 30.71 | 47.71 | 17.00 | A37 |
| | 5.721 | 39.21 | 0.26 | 39.47 | 50.00 | 10.53 | AV |
| | 15.340 | 33.40 | 0.55 | 33.95 | 50.00 | 16.05 | |
| | 20.900 | 30.00 | 0.82 | 30.82 | 50.00 | 19.18 | |

Model No. : 65K680GW Humidity : 48%RH

Test Mode : D-Sub 1280*1024@60Hz Date of Test : May 09, 2014

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(µV) | Limits dB(µV) | Margin (dB) | Remark |
|--------------|-----------------|----------------------------|-------------|-----------------------------|---------------|-------------|--------|
| | 0.151 | 53.50 | 0.16 | 53.66 | 65.96 | 12.30 | |
| | 0.239 | 40.20 | 0.09 | 40.29 | 62.13 | 21.84 | |
| | 0.975 | 27.80 | 0.05 | 27.85 | 56.00 | 28.15 | OD |
| | 5.722 | 42.10 | 0.22 | 42.32 | 60.00 | 17.68 | QP |
| | 15.300 | 37.31 | -0.02 | 37.29 | 60.00 | 22.71 | |
| Line | 20.930 | 36.50 | -0.14 | 36.36 | 60.00 | 23.64 | |
| Line | 0.151 | 39.00 | 0.16 | 39.16 | 55.96 | 16.80 | |
| | 0.239 | 25.50 | 0.09 | 25.59 | 52.13 | 26.54 | |
| | 0.975 | 18.50 | 0.05 | 18.55 | 46.00 | 27.45 | AV |
| | 5.722 | 38.10 | 0.22 | 38.32 | 50.00 | 11.68 | |
| | 15.300 | 32.51 | -0.02 | 32.49 | 50.00 | 17.51 | |
| | 20.930 | 29.60 | -0.14 | 29.46 | 50.00 | 20.54 | |
| | 0.150 | 51.10 | 0.15 | 51.25 | 66.00 | 14.75 | |
| | 0.414 | 37.49 | 0.22 | 37.71 | 57.57 | 19.86 | |
| | 0.945 | 30.20 | 0.17 | 30.37 | 56.00 | 25.63 | QP |
| | 5.723 | 41.81 | 0.26 | 42.07 | 60.00 | 17.93 | |
| | 15.320 | 38.40 | 0.55 | 38.95 | 60.00 | 21.05 | |
| Neutral | 21.360 | 36.90 | 0.83 | 37.73 | 60.00 | 22.27 | |
| Neutrai | 0.150 | 38.30 | 0.15 | 38.45 | 56.00 | 17.55 | |
| | 0.414 | 31.19 | 0.22 | 31.41 | 47.57 | 16.16 | AV |
| | 0.945 | 21.00 | 0.17 | 21.17 | 46.00 | 24.83 | |
| | 5.723 | 37.51 | 0.26 | 37.77 | 50.00 | 12.23 | |
| | 15.320 | 33.70 | 0.55 | 34.25 | 50.00 | 15.75 | |
| | 21.360 | 29.90 | 0.83 | 30.73 | 50.00 | 19.27 | |

Model No. : 65K680GW Humidity : 48%RH

Test Mode : __D-Sub 640*480@60Hz__ Date of Test : __ May 09, 2014

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(µV) | Limits dB(µV) | Margin (dB) | Remark | | | |
|--------------|-----------------|----------------------------|-------------|-----------------------------|---------------|-------------|--------|--|--|--|
| | 0.150 | 53.30 | 0.16 | 53.46 | 66.00 | 12.54 | | | | |
| | 0.256 | 39.39 | 0.09 | 39.48 | 61.57 | 22.09 | | | | |
| | 0.909 | 30.69 | 0.07 | 30.76 | 56.00 | 25.24 | OD | | | |
| | 5.721 | 42.00 | 0.22 | 42.22 | 60.00 | 17.78 | QP | | | |
| | 15.320 | 38.11 | -0.02 | 38.09 | 60.00 | 21.91 | | | | |
| Line | 21.660 | 35.99 | -0.20 | 35.79 | 60.00 | 24.21 | | | | |
| Line | 0.150 | 40.30 | 0.16 | 40.46 | 56.00 | 15.54 | | | | |
| | 0.256 | 27.59 | 0.09 | 27.68 | 51.57 | 23.89 | | | | |
| | 0.909 | 19.79 | 0.07 | 19.86 | 46.00 | 26.14 | AV | | | |
| | 5.721 | 38.00 | 0.22 | 38.22 | 50.00 | 11.78 | AV | | | |
| | 15.320 | 33.41 | -0.02 | 33.39 | 50.00 | 16.61 | | | | |
| | 21.660 | 28.39 | -0.20 | 28.19 | 50.00 | 21.81 | | | | |
| | 0.150 | 51.50 | 0.15 | 51.65 | 66.00 | 14.35 | | | | |
| | 0.417 | 37.69 | 0.22 | 37.91 | 57.50 | 19.59 | | | | |
| | 0.944 | 30.30 | 0.17 | 30.47 | 56.00 | 25.53 | OD | | | |
| | 5.721 | 42.11 | 0.26 | 42.37 | 60.00 | 17.63 | QP | | | |
| | 15.310 | 36.80 | 0.55 | 37.35 | 60.00 | 22.65 | | | | |
| Nautus 1 | 21.210 | 36.70 | 0.83 | 37.53 | 60.00 | 22.47 | | | | |
| Neutral | 0.150 | 38.70 | 0.15 | 38.85 | 56.00 | 17.15 | | | | |
| | 0.417 | 32.09 | 0.22 | 32.31 | 47.50 | 15.19 | | | | |
| | 0.944 | 20.60 | 0.17 | 20.77 | 46.00 | 25.23 | AV | | | |
| | 5.721 | 38.11 | 0.26 | 38.37 | 50.00 | 11.63 | AV | | | |
| | 15.310 | 31.70 | 0.55 | 32.25 | 50.00 | 17.75 | | | | |
| | 21.210 | 29.59 | 0.83 | 30.42 | 50.00 | 19.58 | | | | |

Model No. : 65K680GW Humidity : 48%RH

Test Mode : USB Play Date of Test : May 09, 2014

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(µV) | Limits dB(µV) | Margin (dB) | Remark | |
|--------------|-----------------|----------------------------|-------------|-----------------------------|---------------|-------------|--------|--|
| | 0.152 | 53.40 | 0.15 | 53.55 | 65.90 | 12.35 | | |
| | 0.244 | 40.21 | 0.08 | 40.29 | 61.96 | 21.67 | | |
| | 0.899 | 30.10 | 0.07 | 30.17 | 56.00 | 25.83 | OD | |
| | 5.592 | 41.40 | 0.22 | 41.62 | 60.00 | 18.38 | QP | |
| Line | 15.330 | 38.41 | -0.02 | 38.39 | 60.00 | 21.61 | | |
| | 21.190 | 36.90 | -0.16 | 36.74 | 60.00 | 23.26 | | |
| Line | 0.152 | 38.50 | 0.15 | 38.65 | 55.90 | 17.25 | | |
| | 0.244 | 27.41 | 0.08 | 27.49 | 51.96 | 24.47 | | |
| | 0.899 | 20.40 | 0.07 | 20.47 | 46.00 | 25.53 | AV | |
| | 5.592 | 37.00 | 0.22 | 37.22 | 50.00 | 12.78 | AV | |
| | 15.330 | 33.91 | -0.02 | 33.89 | 50.00 | 16.11 | | |
| | 21.190 | 30.80 | -0.16 | 30.64 | 50.00 | 19.36 | | |
| | 0.150 | 51.50 | 0.15 | 51.65 | 66.00 | 14.35 | | |
| | 0.413 | 37.49 | 0.22 | 37.71 | 57.59 | 19.88 | | |
| | 0.988 | 31.00 | 0.18 | 31.18 | 56.00 | 24.82 | OD | |
| | 5.721 | 42.21 | 0.26 | 42.47 | 60.00 | 17.53 | QP | |
| | 15.330 | 38.60 | 0.55 | 39.15 | 60.00 | 20.85 | | |
| N ovetma 1 | 21.340 | 36.60 | 0.83 | 37.43 | 60.00 | 22.57 | | |
| Neutral | 0.150 | 38.90 | 0.15 | 39.05 | 56.00 | 16.95 | | |
| | 0.413 | 31.39 | 0.22 | 31.61 | 47.59 | 15.98 | | |
| | 0.988 | 22.40 | 0.18 | 22.58 | 46.00 | 23.42 | A 3.7 | |
| | 5.721 | 38.21 | 0.26 | 38.47 | 50.00 | 11.53 | AV | |
| | 15.330 | 34.30 | 0.55 | 34.85 | 50.00 | 15.15 | | |
| | 21.340 | 29.40 | 0.83 | 30.23 | 50.00 | 19.77 | | |

Model No. : 65K680GW Humidity : 48%RH

Test Mode : LAN Play Date of Test : May 09, 2014

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(µV) | Limits dB(µV) | Margin (dB) | Remark | |
|--------------|-----------------|----------------------------|-------------|-----------------------------|---------------|-------------|--------|--|
| | 0.152 | 53.50 | 0.15 | 53.65 | 65.91 | 12.26 | | |
| | 0.237 | 40.30 | 0.09 | 40.39 | 62.19 | 21.80 | | |
| | 2.791 | 29.11 | 0.10 | 29.21 | 56.00 | 26.79 | ΟD | |
| | 5.721 | 42.10 | 0.22 | 42.32 | 60.00 | 17.68 | QP | |
| Line | 15.330 | | 60.00 | 21.51 | | | | |
| | 20.880 | 36.20 | -0.13 | 36.07 | 60.00 | 23.93 | | |
| Line | 0.152 | 38.90 | 0.15 | 39.05 | 55.91 | 16.86 | | |
| | 0.237 | 24.90 | 0.09 | 24.99 | 52.19 | 27.20 | | |
| | 2.791 | 19.91 | 0.10 | 20.01 | 46.00 | 25.99 | AV | |
| | 5.721 | 38.20 | 0.22 | 38.42 | 50.00 | 11.58 | AV | |
| | 15.330 | 34.31 | -0.02 | 34.29 | 50.00 | 15.71 | | |
| | 20.880 | 29.40 | -0.13 | 29.27 | 50.00 | 20.73 | | |
| | 0.150 | 51.50 | 0.15 | 51.65 | 66.00 | 14.35 | | |
| | 0.417 | 37.79 | 0.22 | 38.01 | 57.52 | 19.51 | | |
| | 0.998 | 30.20 | 0.18 | 30.38 | 56.00 | 25.62 | ΟD | |
| | 5.722 | 42.21 | 0.26 | 42.47 | 60.00 | 17.53 | QP | |
| | 15.320 | 37.70 | 0.55 | 38.25 | 60.00 | 21.75 | | |
| NI41 | 21.620 | 36.60 | 0.84 | 37.44 | 60.00 | 22.56 | | |
| Neutral | 0.150 | 38.70 | 0.15 | 38.85 | 56.00 | 17.15 | | |
| | 0.417 | 32.09 | 0.22 | 32.31 | 47.52 | 15.21 | | |
| | 0.998 | 20.30 | 0.18 | 20.48 | 46.00 | 25.52 | A T 7 | |
| | 5.722 | 38.21 | 0.26 | 38.47 | 50.00 | 11.53 | AV | |
| | 15.320 | 33.10 | 0.55 | 33.65 | 50.00 | 16.35 | | |
| | 21.620 | 29.40 | 0.84 | 30.24 | 50.00 | 19.76 | | |

4 RADIATED EMISSION TEST

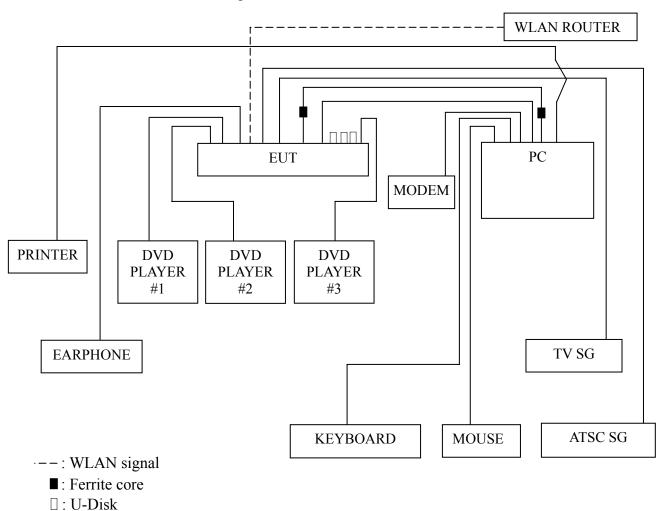
4.1 Test Equipment

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

| Item | Туре | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|------|----------------------|--------------|-----------|-------------|--------------|--------------|
| 1. | Test Receiver | R&S | ESCI | 101302 | Sep 03, 2013 | Sep 02, 2014 |
| 2. | Preamplifier | Agilent | 8447D | 2944A10548 | Mar 18, 2014 | Sep 17, 2014 |
| 3. | Preamplifier | HP | 8449B | 3008A00864 | Mar 20, 2014 | Mar 19, 2015 |
| 4. | Bi-log Antenna | TESEQ | CBL6112D | 23193 | May 03, 2014 | May 02, 2015 |
| 5. | Horn Antenna | EMCO | 3115 | 9607-4878 | May 11, 2014 | May 10, 2015 |
| 6. | Spectrum | Agilent | E7405A | MY45106600 | Nov 11, 2013 | Nov 10, 2014 |
| 7. | 50 Coaxial Switch | Anritsu | MP59B | 6200426390 | Mar 18, 2014 | Sep 17, 2014 |
| 8. | 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



: 50 ohm Coaxial Switch

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

| Frequency | Distance | Field strength limits | | | | |
|-----------|----------|-----------------------|-----------|--|--|--|
| (MHz) | (m) | (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 (μ V/m) = 20 log Emission Level (μ V/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 C63.4:2003 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 24 GHz (10th harmonic of the 2.4GHz RF function) was checked for the worst emission 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 |
|----------------------|-----------|
| HDMI 1920*1080@60Hz | P23 – P24 |
| D-Sub 1920*1080@60Hz | P25 |
| HDMI 1280*1024@60Hz | P26 |
| HDMI 640*480@60Hz | P27 |
| USB Play | P28 |
| LAN Play | P29 |

- 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 $3-0^{\circ}$ was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

NOTE 4 – The worst case is for HDMI 1920*1080@60Hz test mode. The worst emission at horizontal polarization was detected at 787.570 MHz with corrected signal level of 42.56 dB (μ V/m) (limit is 46.00 dB (μ V/m)), when the antenna was 1.90 m height and the turntable was at 270°. The worst emission at vertical polarization was detected at 652.740 MHz with corrected signal level of 42.47 dB (μ V/m) (limit is 46.00 dB (μ V/m)), when the antenna was 1.50 m height and the turntable was at 110°.

Model No. : 65K680GW Humidity : 60%RH

Test Mode : HDMI 1920*1080@60Hz Date of Test : May 04, 2014

| 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 | | |
|--------------|-----------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--------------------------------|------------------|-------------|--------|--|--|
| | 52.310 | 25.21 | 6.83 | 0.86 | | 32.90 | 40.00 | 7.10 | | | |
| | 85.290 | 24.96 | 7.46 | 1.15 | | 33.57 | 40.00 | 6.43 | | | |
| | 165.800 | 26.84 | 8.40 | 1.75 | | 36.99 | 43.50 | 6.51 | ΩP | | |
| | 338.460 | 24.93 | 14.75 | 2.61 | | 42.29 | 46.00 | 3.71 | QP | | |
| | 602.300 | 20.67 | 18.32 | 3.22 | | 42.21 | 46.00 | 3.79 | | | |
| | 787.570 | 20.46 | 18.50 | 3.60 | | 42.56 | 46.00 | 3.44 | | | |
| | 1022.000 | 48.02 | 23.79 | 4.91 | 38.15 | 38.57 | 74.00 | 35.43 | | | |
| | 1152.000 | 46.99 | 24.31 | 5.07 | 37.86 | 38.51 | 74.00 | 35.49 | | | |
| Horizontal | 1289.000 | 45.93 | 24.95 | 5.35 | 37.51 | 38.72 | 74.00 | 35.28 | PK | | |
| Пописний | 1450.000 | 45.95 | 25.48 | 5.61 | 37.04 | 40.00 | 74.00 | 34.00 | rĸ | | |
| | 1646.000 | 47.59 | 27.20 | 5.81 | 36.59 | 44.01 | 74.00 | 29.99 | | | |
| | 1799.000 | 48.54 | 29.11 | 6.15 | 36.35 | 47.45 | 74.00 | 26.55 | | | |
| | 1022.000 | 35.43 | 23.79 | 4.91 | 38.15 | 25.98 | 54.00 | 28.02 | | | |
| | 1152.000 | 33.20 | 24.31 | 5.07 | 37.86 | 24.72 | 54.00 | 29.28 | | | |
| | 1289.000 | 32.71 | 24.95 | 5.35 | 37.51 | 25.50 | 54.00 | 28.50 | AV | | |
| | 1450.000 | 32.13 | 25.48 | 5.61 | 37.04 | 26.18 | 54.00 | 27.82 | AV | | |
| | 1646.000 | 34.62 | 27.20 | 5.81 | 36.59 | 31.04 | 54.00 | 22.96 | | | |
| | 1799.000 | 35.84 | 29.11 | 6.15 | 36.35 | 34.75 | 54.00 | 19.25 | | | |

Model No. : 65K680GW Humidity : 60%RH

Test Mode : HDMI 1920*1080@60Hz Date of Test : May 04, 2014

| Polarization | Frequency (MHz) | Meter Reading dB (µV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Emission Level dB (µV/m) | Limits dB ($\mu V/m$) | Margin (dB) | Remark | |
|--------------|-----------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--------------------------------|-------------------------|-------------|--------|--|
| | 34.850 | 17.98 | 15.85 | 0.71 | | 34.54 | 40.00 | 5.46 | | |
| | 72.680 | 25.30 | 6.20 | 0.97 | | 32.47 | 40.00 | 7.53 | | |
| | 144.460 | 22.98 | 10.30 | 1.61 | | 34.89 | 43.50 | 8.61 | OD | |
| | 201.690 | 28.19 | 8.07 | 1.95 | | 38.21 | 43.50 | 5.29 | QP | |
| | 398.600 | 23.44 | 16.07 | 2.68 | | 42.19 | 46.00 | 3.81 | | |
| | 652.740 | 20.54 | 18.55 | 3.38 | | 42.47 | 46.00 | 3.53 | | |
| | 1067.000 | 46.84 | 23.95 | 4.96 | 38.05 | 37.70 | 74.00 | 36.30 | | |
| | 1160.000 | 46.45 | 24.34 | 5.07 | 37.83 | 38.03 | 74.00 | 35.97 | DIZ. | |
| Vertical | 1261.000 | 45.62 | 24.82 | 5.30 | 37.59 | 38.15 | 74.00 | 35.85 | | |
| Vertical | 1441.000 | 45.46 | 25.45 | 5.61 | 37.07 | 39.45 | 74.00 | 34.55 | PK | |
| | 1699.000 | 49.88 | 27.85 | 5.97 | 36.50 | 47.20 | 74.00 | 26.80 | | |
| | 1917.000 | 44.50 | 30.30 | 6.18 | 36.19 | 44.79 | 74.00 | 29.21 | | |
| | 1067.000 | 33.28 | 23.95 | 4.96 | 38.05 | 24.14 | 54.00 | 29.86 | | |
| | 1160.000 | 33.19 | 24.34 | 5.07 | 37.83 | 24.77 | 54.00 | 29.23 | | |
| | 1261.000 | 32.10 | 24.82 | 5.30 | 37.59 | 24.63 | 54.00 | 29.37 | AX7 | |
| | 1441.000 | 32.11 | 25.45 | 5.61 | 37.07 | 26.10 | 54.00 | 27.90 | AV | |
| | 1699.000 | 36.74 | 27.85 | 5.97 | 36.50 | 34.06 | 54.00 | 19.94 | | |
| | 1917.000 | 31.00 | 30.30 | 6.18 | 36.19 | 31.29 | 54.00 | 22.71 | | |

Model No. : 65K680GW Humidity : 60%RH

Test Mode : D-Sub 1920*1080@60Hz Date of Test : May 04, 2014

| Polarization | Frequency (MHz) | Meter Reading dB (µV) | Antenna Factor (dB/m) | | Emission Level dB (µV/m) | Limits dB (µV/m) | Margin (dB) |
|--------------|-----------------|-----------------------------|-----------------------------|------|--------------------------------|------------------|-------------|
| | 55.220 | 26.58 | 6.08 | 0.87 | 33.53 | 40.00 | 6.47 |
| | 91.110 | 27.37 | 8.47 | 1.24 | 37.08 | 43.50 | 6.42 |
| Horizontal | 189.080 | 25.42 | 8.00 | 1.89 | 35.31 | 43.50 | 8.19 |
| Пописний | 363.680 | 19.15 | 14.93 | 2.64 | 36.72 | 46.00 | 9.28 |
| | 544.100 | 17.27 | 19.45 | 3.08 | 39.80 | 46.00 | 6.20 |
| | 703.180 | 16.51 | 20.13 | 3.55 | 40.19 | 46.00 | 5.81 |
| | 36.790 | 16.81 | 14.92 | 0.74 | 32.47 | 40.00 | 7.53 |
| | 101.780 | 23.11 | 10.76 | 1.35 | 35.22 | 43.50 | 8.28 |
| Vertical | 202.660 | 26.40 | 8.00 | 1.97 | 36.37 | 43.50 | 7.13 |
| Vertical | 354.950 | 20.62 | 14.90 | 2.63 | 38.15 | 46.00 | 7.85 |
| | 631.400 | 18.33 | 18.40 | 3.32 | 40.05 | 46.00 | 5.95 |
| | 700.270 | 16.23 | 20.30 | 3.54 | 40.07 | 46.00 | 5.93 |

Model No. : 65K680GW Humidity : 60%RH

Test Mode : HDMI 1280*1024@60Hz Date of Test : May 04, 2014

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | | Emission Level dB (µV/m) | Limits dB (µV/m) | Margin (dB) |
|--------------|-----------------|-----------------------------|-----------------------------|------|--------------------------------|------------------|-------------|
| | 37.760 | 18.30 | 14.13 | 0.75 | 33.18 | 40.00 | 6.82 |
| | 67.830 | 27.28 | 5.31 | 0.91 | 33.50 | 40.00 | 6.50 |
| Horizontal | 121.180 | 20.91 | 11.42 | 1.48 | 33.81 | 43.50 | 9.69 |
| поптенца | 194.900 | 25.21 | 8.20 | 1.92 | 35.33 | 43.50 | 8.17 |
| | 361.740 | 24.20 | 14.97 | 2.64 | 41.81 | 46.00 | 4.19 |
| | 588.720 | 19.90 | 18.70 | 3.18 | 41.78 | 46.00 | 4.22 |
| | 84.320 | 24.82 | 7.32 | 1.13 | 33.27 | 40.00 | 6.73 |
| | 140.580 | 24.44 | 10.30 | 1.60 | 36.34 | 43.50 | 7.16 |
| Vertical | 315.180 | 21.10 | 13.60 | 2.57 | 37.27 | 46.00 | 8.73 |
| vertical | 499.480 | 17.28 | 18.10 | 2.98 | 38.36 | 46.00 | 7.64 |
| | 634.310 | 19.22 | 18.45 | 3.32 | 40.99 | 46.00 | 5.01 |
| | 852.560 | 16.12 | 20.90 | 4.08 | 41.10 | 46.00 | 4.90 |

Model No. : 65K680GW Humidity : 60%RH

Test Mode : HDMI 640*480@60Hz Date of Test : May 04, 2014

| Polarization | Frequency (MHz) | Meter Reading dB (µV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (µV/m) | Limits dB ($\mu V/m$) | Margin (dB) |
|--------------|-----------------|-----------------------------|-----------------------------|-----------------------|--------------------------------|-------------------------|-------------|
| | 37.760 | 18.14 | 14.13 | 0.75 | 33.02 | 40.00 | 6.98 |
| | 83.350 | 24.44 | 7.19 | 1.13 | 32.76 | 40.00 | 7.24 |
| Horizontal | 131.850 | 23.71 | 11.54 | 1.55 | 36.80 | 43.50 | 6.70 |
| Попідопіаї | 217.210 | 25.54 | 7.83 | 2.04 | 35.41 | 46.00 | 10.59 |
| | 546.040 | 17.63 | 19.43 | 3.08 | 40.14 | 46.00 | 5.86 |
| | 727.430 | 17.29 | 19.23 | 3.57 | 40.09 | 46.00 | 5.91 |
| | 58.130 | 26.39 | 5.58 | 0.88 | 32.85 | 40.00 | 7.15 |
| | 134.760 | 23.81 | 11.00 | 1.57 | 36.38 | 43.50 | 7.12 |
| Vertical | 238.550 | 24.81 | 10.83 | 2.15 | 37.79 | 46.00 | 8.21 |
| vertical | 404.420 | 19.05 | 16.23 | 2.69 | 37.97 | 46.00 | 8.03 |
| | 528.580 | 16.02 | 18.38 | 3.05 | 37.45 | 46.00 | 8.55 |
| | 677.960 | 17.51 | 19.20 | 3.48 | 40.19 | 46.00 | 5.81 |

Model No. : 65K680GW Humidity : 60%RH

Test Mode : USB Play Date of Test : May 04, 2014

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | | Emission Level dB (µV/m) | Limits dB ($\mu V/m$) | Margin (dB) |
|--------------|-----------------|-----------------------------|-----------------------------|------|--------------------------------|-------------------------|-------------|
| | 84.320 | 22.92 | 7.32 | 1.13 | 31.37 | 40.00 | 8.63 |
| | 132.820 | 21.16 | 11.45 | 1.56 | 34.17 | 43.50 | 9.33 |
| Horizontal | 288.990 | 21.53 | 12.73 | 2.46 | 36.72 | 46.00 | 9.28 |
| Попідопіаї | 499.480 | 14.95 | 18.10 | 2.98 | 36.03 | 46.00 | 9.97 |
| | 727.430 | 14.98 | 19.23 | 3.57 | 37.78 | 46.00 | 8.22 |
| | 990.300 | 11.68 | 21.10 | 4.83 | 37.61 | 54.00 | 16.39 |
| | 33.880 | 16.35 | 16.12 | 0.70 | 33.17 | 40.00 | 6.83 |
| | 69.770 | 26.04 | 5.74 | 0.92 | 32.70 | 40.00 | 7.30 |
| Vertical | 124.090 | 23.00 | 11.48 | 1.50 | 35.98 | 43.50 | 7.52 |
| verticai | 196.840 | 25.00 | 8.20 | 1.94 | 35.14 | 43.50 | 8.36 |
| | 483.960 | 16.69 | 17.80 | 2.94 | 37.43 | 46.00 | 8.57 |
| | 703.180 | 15.08 | 20.13 | 3.55 | 38.76 | 46.00 | 7.24 |

Model No. : 65K680GW Humidity : 60%RH

Test Mode : LAN Play Date of Test : May 04, 2014

| Polarization | Frequency (MHz) | Meter Reading dB (µV) | Antenna Factor (dB/m) | | Emission Level dB (µV/m) | Limits dB (µV/m) | Margin (dB) |
|--------------|-----------------|-----------------------------|-----------------------------|------|--------------------------------|------------------|-------------|
| | 35.820 | 15.82 | 15.63 | 0.73 | 32.18 | 40.00 | 7.82 |
| | 80.440 | 24.74 | 6.84 | 1.08 | 32.66 | 40.00 | 7.34 |
| Harizantal | 127.970 | 22.55 | 11.74 | 1.52 | 35.81 | 43.50 | 7.69 |
| Horizontal | 231.760 | 25.32 | 9.80 | 2.11 | 37.23 | 46.00 | 8.77 |
| | 414.120 | 18.28 | 16.60 | 2.73 | 37.61 | 46.00 | 8.39 |
| | 665.350 | 15.14 | 19.30 | 3.44 | 37.88 | 46.00 | 8.12 |
| | 35.820 | 15.74 | 15.63 | 0.73 | 32.10 | 40.00 | 7.90 |
| | 88.200 | 23.07 | 7.92 | 1.18 | 32.17 | 43.50 | 11.33 |
| Vertical | 152.220 | 22.86 | 9.85 | 1.65 | 34.36 | 43.50 | 9.14 |
| | 288.990 | 21.00 | 12.73 | 2.46 | 36.19 | 46.00 | 9.81 |
| | 425.760 | 16.73 | 17.47 | 2.76 | 36.96 | 46.00 | 9.04 |
| | 569.320 | 15.87 | 19.40 | 3.14 | 38.41 | 46.00 | 7.59 |

5 DEBUG DESCRIPTION

The following components are used during the countermeasure procedures:

| Name | M/N | Manufacturer | Location | |
|--------|-------------------|------------------------------------|---|--|
| Gasket | DAA25X20X75\ROH | JOINSET, Shenzhen Tongantai | See Internal Photo Appendix Figure 23, 24 | |
| Gasket | DAA13X30\ROH 1.0m | Electronic Technology Co., Ltd. | See Internal Photo Appendix Figure 25 | |

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

TEST ENGINEER:

(NEAL WANG)

| 6 | DEVI | TION TO | TECT | SPECIFICA | TIONS |
|---|------|---------|------|------------|-------|
| n | | | | SPALIBIL A | |

None.