APPLICATION OF CERTIFICATION

For

BenQ Corporation

LCD Monitor

Brand Name	Model Number
BenQ	RP552; RP552H; RP552H1; RP552H2; RP552H3; RP552H4

FCC ID: JVPRP552

Prepared for : BenQ Corporation
16 Jihu Road, Neihu, Taipei 114,Taiwan

Prepared By: Audix Technology (Shenzhen) Co., Ltd.
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Report Number : ACS- F15167
Date of Test : May.23～24, 2015
Date of Report : Jul.30, 2015

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TEST REPORT CERTIFICATION

Applicant	:	BenQ Corporation
EUT Description	:	LCD Monitor
FCC ID	:	JVPRP552

(A) Model No. & Brand Name :

Brand Name	Model Number
BenQ	RP552; RP552H; RP552H1; RP552H2; RP552H3; RP552H4

(B) Power Supply	:	AC 100-240V; 50/60Hz
(C) Test Voltage	:	AC 120V/60Hz

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart B Class B 2014

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) 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 conducted and radiated emissions. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed of full responsibility for the accuracy and completeness of these tests. This report contains data that are not covered by the NVLAP accreditation.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The 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.

Date of Test : May.23～24, 2015 Report of date: Jul.30, 2015

Prepared by : Lisa Liang
Lisa Liang /Assistant

Reviewed by : Bensun Chen
Bensun Chen / Deputy Manager

AUDIX® 信華科技（深圳）有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report

Approved & Authorized Signer : Signature: David Jin 7.30
David Jin / 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.

EMISSION			
Description of Test Item	**Standard**	**Results**	**Remark**
Power Line Conducted Emission Test	FCC Part 15: 2014 ANSI C63.4: 2009	PASS	Minimum passing margin is 5.05dB at 3.058MHz
Radiated Emission Test (30-1000MHz)	FCC Part 15: 2014 ANSI C63.4: 2009	PASS	Minimum passing margin is 4.39dB at 183.260MHz
Radiated Emission Test (1-6GHz)	FCC Part 15: 2014 ANSI C63.4: 2009	PASS	Minimum passing margin is 10.28dB at 2347.85MHz
N/A is an abbreviation for Not Applicable.			

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Description	:	LCD Monitor
Model No.	:	RP552; RP552H; RP552H1; RP552H2; RP552H3; RP552H4 Marketing Difference.
FCC ID	:	JVPRP552
Brand Name	:	BenQ
Test Model	:	RP552
Applicant	:	BenQ Corporation 16 Jihu Road, Neihu, Taipei 114,Taiwan
VGA Cable	:	Shielded, Detachable, 5.0m (Bonded two ferrite cores)
USB Cable	:	Shielded, Detachable, 5.0m (Bonded two ferrite cores)
Audio Cable	:	Unshielded, Detachable, 5.0m
Remote	:	Manufacturer: BenQ, M/N: N/A
Max. Resolution	:	1920*1080@60Hz
Date of Test	:	May.23～24, 2015
Date of Receipt	:	May.17, 2015
Sample Type	:	Prototype production

2.2.Tested Supporting System Details

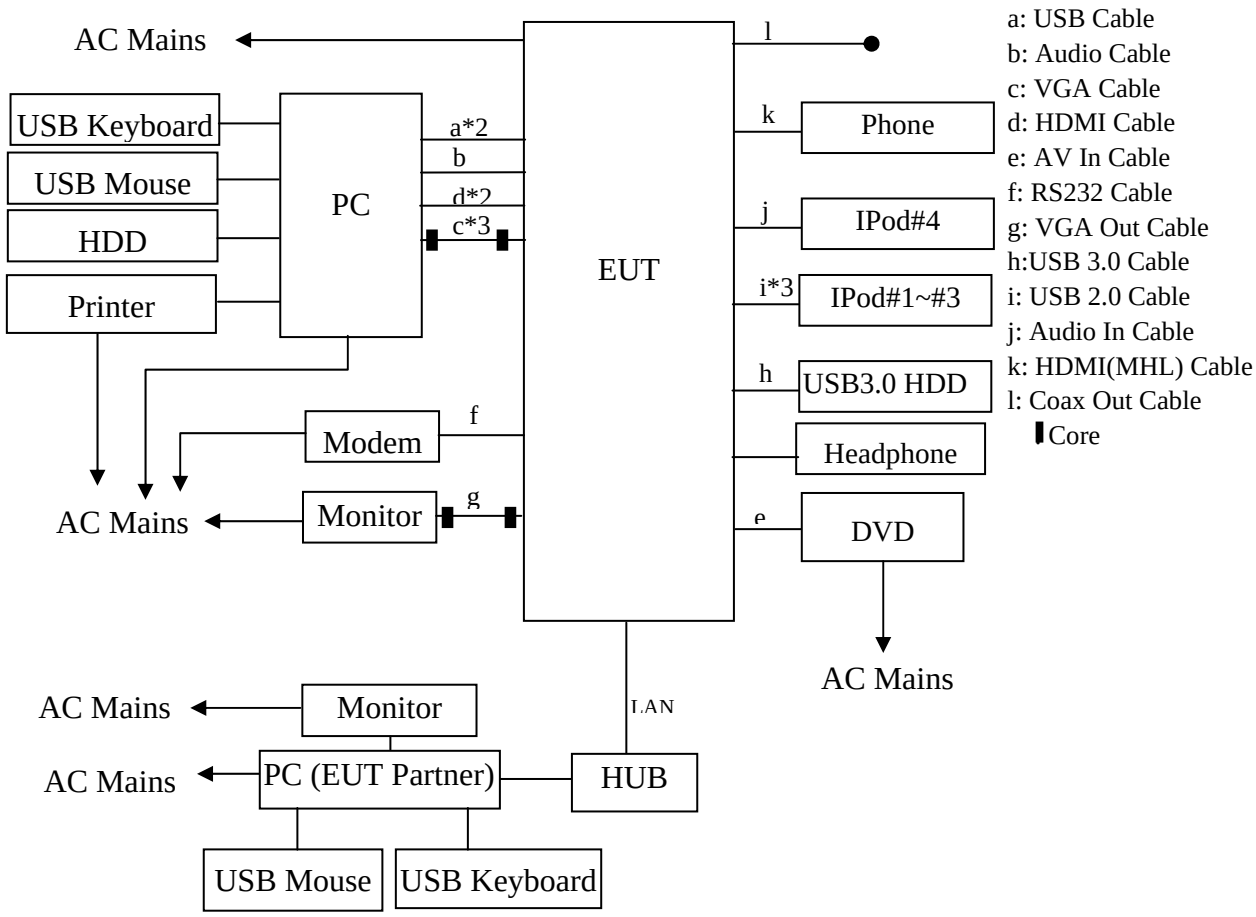
No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1	Personal Computer	Test PC GQ2	DELL	Dptiplex 9020MT	8MW91 A00DC2;Z248770	☑FCC DoC ☑BSMI ID:R33002
		Power Cord: Unshielded, Detachable, 1.8m Display Card: HD3450(Display +DVI+HDMI)				
2	USB Mouse	ACS-EMC-M03R	DELL	M0C5UO	512023253	☑ FCC DoC ☑BSMI ID: R41108
		Power Cord: shielded, Undetachable, 1.8m				
3	USB Keyboard	ACS-EMC-KGQ1	DELL	RG4021	CN-N91F-71581-387-069A-A01-71616-88F-0VXW	☐ FCC DoC ☑BSMI ID: R41108
		Data Cable: Shielded, Undetachabled, 2.0m				
4	Printer	ACS-EMC-PT04	HP	C9079A	-	☐FCC ID ☑BSMI ID
		USB Cable: shielded, Detachable, 1.5m Power Cord: Unshielded, Detachable, 1.8m Power Adaptor: HP, 0957-2119, DC Cable: Unshielded, Detachable, 1.5m				
5	HDD	ACS-EMC-HDD01	Terasys	F12-UF	A0100215-5390018	☑FCC DoC ☑BSMI ID
		USB Cable: shielded, Detachable, 1.0m				
6	Monitor	ACS-EMC-LM04R	DELL	1907FPt	CN-009759-71618-6AP-ACPP	☑FCC DoC ☑BSMI ID: R3A002
		Power Cord: Unshielded, Detachable, 1.8m VGA Cable: Shielded, Detachable, 2.0m (with two cores) DVI Cable: Shielded, Detachable, 2.0m (with two cores)				
7	Modem	ACS-EMC-MD01	ACEEX	1414	980013578	☑FCC ID: IFAXDM1414 ☐BSMI ID
		Data Cable: Shielded, Detachable, 1.5m Power Adapter: TGL, MDE130100TH DC Cable: Unshielded, Detachable, 1.6m (with one core)				
8	iPod #1	ACS-EMC-IP11	APPLE	A1204	N/A	☑FCC DoC ☑BSMI ID: R33057
		Data Cable: Shielded, Detachabled, 1.0m				
9	iPod #2	ACS-EMC-IP12	APPLE	A1204	N/A	☑FCC DoC ☑BSMI ID: R33057
		Data Cable: Shielded, Detachabled, 1.0m				
10	iPod #3	ACS-EMC-IP13	APPLE	A1204	N/A	☑FCC DoC ☑BSMI ID: R33057
		Data Cable: Shielded, Detachabled, 1.0m				
11	iPod #4	ACS-EMC-IP07	APPLE	A1199	YM706MD0VQ5	☑FCC DoC ☑BSMI ID: R33057
		Data Cable: Shielded, Detachabled, 1.0m				
12	USB3.0 HDD	ACS-EMC-HDD42	WD	WD Elements	WXA1A7396898	☑FCC DoC ☑BSMI ID: D33015
		USB Cable: Unshielded, Detachable, 1.0m				

13	DVD Player	ACS-EMC-DVD01	DENON	DVD-3910	4098400342E	☐FCC ID ☐BSMI ID
		Data Cable: Shielded, Detachabled, 1.8m Power Cord: Unshielded, Detachabled , 1.8m				
14	Headphone	ACS-EMC-EP01	OVANN	OV880V	N/A	☐FCC ID ☐BSMI ID
		Cable: Shielded, Undetachabled, 4.0m				
15	Mobile phone	--	HTC	S720e	--	

【PC system which transmitting 】

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	Personal Computer	Test PC N	DELL	Studio 540	J14XK2X	☑FCC DoC ☑BSMI ID:R33002
		Power Cord: Unshielded, Detachable, 1.8m LAN Cable: Unshielded, Detachable, 10m Display Card: HD3650 (DVI+Display+HDMI)				
2.	USB Keyboard	ACS-EMC- K02R	DELL	SK-8115	CN-ORH656-658 90-686-007J	☑ FCC DoC ☑BSMI ID: T3A002
		Power Cord: shielded, Undetachable, 2.0m				
3.	USB Mouse	ACS-EMC-M02R	DELL	M056UO	512024264	☑FCC DoC ☑BSMI ID: R41108
		Power Cord: shielded, Undetachable, 1.8m				
4.	Monitor	ACS-EMC-LM04R	DELL	1907FPt	CN-009759-71618 -6AP-ACPP	☑FCC DoC ☑BSMI ID: R3A002
		Power Cord: Unshielded, Detachable, 1.8m VGA Cable: Shielded, Detachable, 2.0m				
5.	HUB	ACS-EMC-DL01	D-Link	DGS-1008D	B2C6468500621	☑FCC DoC ☐BSMI ID
		Data Cable: Shielded, Detachabled, 1.8m Adapter: M/N: RL48-07V51000, DC Cable: Unshielded, Detachabled , 1.0m				

2.3.Block diagram of connection between the EUT and simulators



(EUT: LCD Monitor)

2.4.Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China
3m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 90454 Valid Date: Dec.30, 2017
3m & 10m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 794232 Valid Date: Oct.31, 2015
EMC Lab.	:	Accredited by DAkkS, Germany Registration No: D-PL-12151-01-00 Valid Date: Dec.15, 2016
	:	Accredited by NVLAP, USA NVLAP Code: 200372-0 Valid Date: Mar.31, 2016

2.5.Measurement Uncertainty (95% confidence levels, k=2)

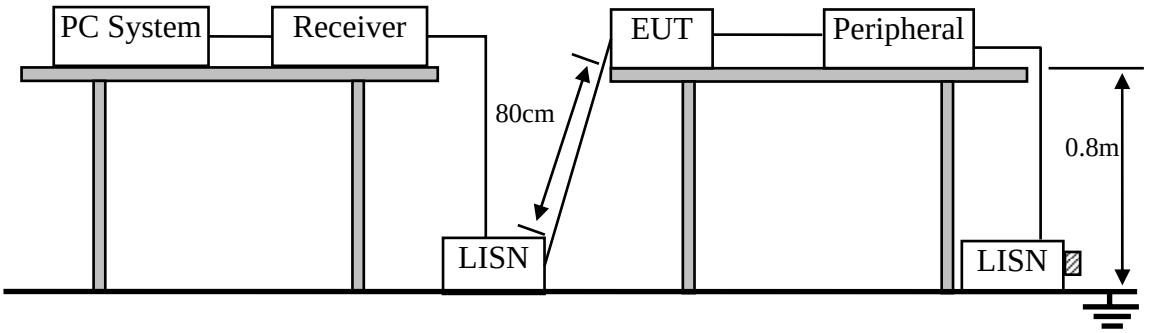
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 2 Conduction	3.1dB
Uncertainty for Radiation Emission test in 10m chamber (Distance: 10m)	3.5dB (30~200MHz, Polarize: H)
	3.5dB (30~200MHz, Polarize: V)
	3.7dB (200M~1GHz, Polarize: H)
	3.6dB (200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 10m chamber (1GHz-18GHz)	5.1dB (Distance: 3m Polarize: V)
	5.3dB (Distance: 3m Polarize: H)
Uncertainty for test site temperature and humidity	0.6℃
	3%
Pressure	1kPa

3. POWER LINE CONDUCTED EMISSION MEASUREMENT

3.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	2# Shielding Room	AUDIX	N/A	N/A	Apr.17,15	1 Year
2.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.29,14	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ENV4200	100041	Apr.28,15	1 Year
4.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	Apr.28,15	1 Year
5.	Terminator	Hubersuhner	50Ω	No.1	Apr.28,15	1 Year
6.	Terminator	Hubersuhner	50Ω	No.2	Apr.28,15	1 Year
7.	RF Cable	Fujikura	RG-55/U	No.1	Apr.28,15	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6201397223	Apr.28,15	1 Year
9.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	Apr.28,15	1 Year
11.	Test Software	AUDIX	E3	6.100913a	N/A	N/A

3.2.Block Diagram of Test Setup



▨ :50Ω Terminator

3.3.Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. LCD Monitor (EUT)

Model Number : RP552
Serial Number : N/A

3.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.2.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turned on the power of all equipment.

3.5.3. PC system ran the Self-test program “Burnin Test V7.0” by windows 7 and sent “H” Character to LCD Monitor (EUT) through VGA / HDMI card, the Screen of EUT displayed and filled with “H” pattern.

3.5.4. The PC system was running the program “1kHz signal playing” and sending sound to EUT.

3.5.5. The PC system was reading / writing data from USB into iPod during testing.

3.5.6. DVD & AV Mode: The DVD player played DVD Disk and sent “DVD 1kHz Signal Playing” image to the LCD Monitor (EUT).

3.5.7. The other peripheral devices were driven and operated in turn during all testing.

3.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.# 2). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2009 on conducted Emission test.

The bandwidth of test receiver (R&S TEST RECEIVER ESHS10) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 3.7.

3.7. Conducted Emission at Mains Terminals Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

The EUT with the following test modes were tested and selected to read Q.P values and average values, all the test results are listed in next pages.

EUT: LCD Monitor Model No. : RP552

Test Date: May.23, 2015 Temperature: 22.3℃ Humidity: 58%

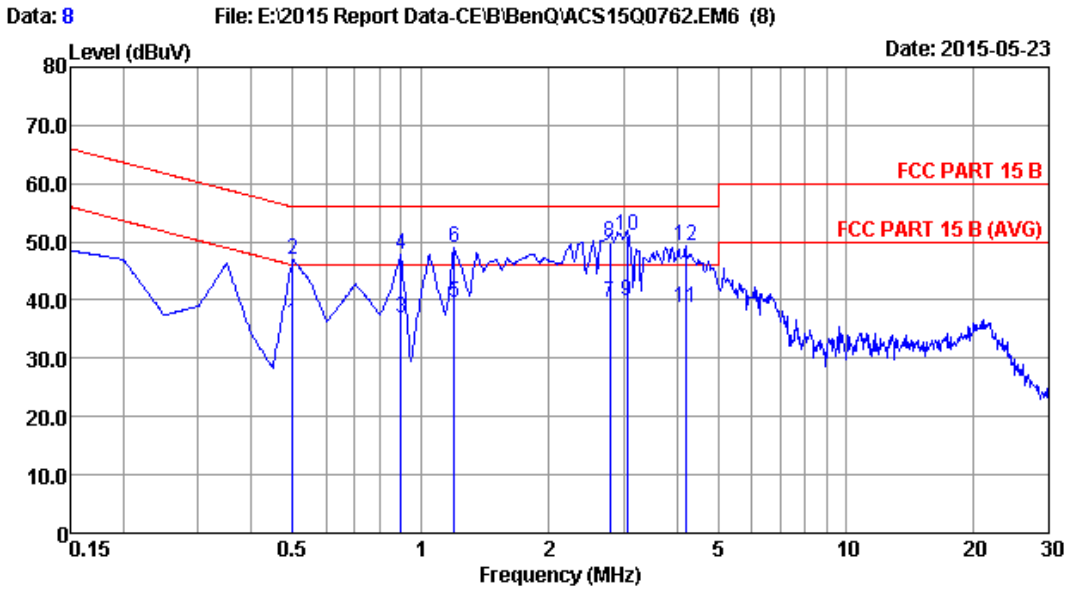
The EUT was pre-tested under following test modes, and selected test mode 9 was the worst cases to issue report.

No.	Test Mode	Input Port	Resolution & Frequency
1.	PC Mode	VGA	800*600/60Hz
2.			1280*1024/75Hz
3.			1920*1080/60Hz
4.		VGA 1	1920*1080/60Hz
5.		VGA 2	1920*1080/60Hz
6.		VGA 3	1920*1080/60Hz
7.		HDMI 1	800*600/60Hz
8.			1280*1024/75Hz
9. ※			1920*1080/60Hz
10.		HDMI 2	1920*1080/60Hz
11.		HDMI 3	1920*1080/60Hz
12.	DVD Mode	HDMI	1080P
13.	USB Mode	USB 2.0 Reading	
14.		USB3.0 Reading	
15.	AV Mode	AV In	

(※ Worst test mode)

Test result is presented in the report as below:

No.	Test Mode	Input Port	Resolution & Frequency	Reference Test Data No.	
				Line	Neutral
1.	PC Mode	HDMI 1	1920*1080/60Hz	# 8	# 7



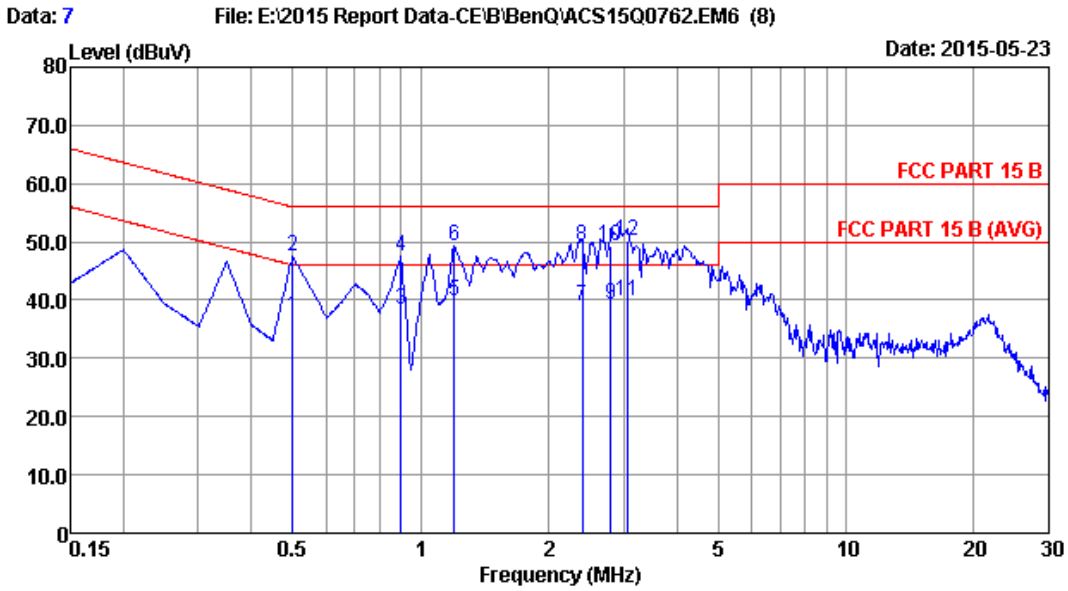
Site no :2# Conduction
Dis./Lisn :15 ENV4200 L1
Limit :FCC PART 15 B
Env./Ins. :22.3*C/58%
EUT :LCD Monitor M/N:RP552
Power Rating :AC 120V/60Hz
Test Mode :Running Burnin Test V7.0
HDMI 1:1920*1080@60Hz

Data No :8
LISN phase:LINE

Engineer :Nick_Huang

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.499	9.68	9.90	16.50	36.08	46.01	9.93	Average
2	0.499	9.68	9.90	27.48	47.06	56.01	8.95	QP
3	0.899	9.64	9.91	17.29	36.84	46.00	9.16	Average
4	0.899	9.64	9.91	28.33	47.88	56.00	8.12	QP
5	1.197	9.63	9.91	19.90	39.44	46.00	6.56	Average
6	1.197	9.63	9.91	29.35	48.89	56.00	7.11	QP
7	2.779	9.65	9.94	20.00	39.59	46.00	6.41	Average
8	2.779	9.65	9.94	30.37	49.96	56.00	6.04	QP
9	3.058	9.66	9.94	20.20	39.80	46.00	6.20	Average
10	3.058	9.66	9.94	31.35	50.95	56.00	5.05	QP
11	4.202	9.68	9.95	19.11	38.74	46.00	7.26	Average
12	4.202	9.68	9.95	29.69	49.32	56.00	6.68	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :2# Conduction
Dis./Lisn :15 ENV4200 N
Limit :FCC PART 15 B
Env./Ins. :22.3*C/58%
EUT :LCD Monitor M/N:RP552
Power Rating :AC 120V/60Hz
Test Mode :Running Burnin Test V7.0
HDMI 1:1920*1080@60Hz

Data No :7
LISN phase:NEUTRAL

Engineer :Nick_Huang

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.499	9.53	9.90	17.80	37.23	46.01	8.78	Average
2	0.499	9.53	9.90	28.06	47.49	56.01	8.52	QP
3	0.899	9.48	9.91	19.09	38.48	46.00	7.52	Average
4	0.899	9.48	9.91	28.18	47.57	56.00	8.43	QP
5	1.197	9.46	9.91	20.51	39.88	46.00	6.12	Average
6	1.197	9.46	9.91	29.88	49.25	56.00	6.75	QP
7	2.396	9.45	9.93	19.71	39.09	46.00	6.91	Average
8	2.396	9.45	9.93	29.82	49.20	56.00	6.80	QP
9	2.794	9.46	9.94	19.90	39.30	46.00	6.70	Average
10	2.794	9.46	9.94	29.99	49.39	56.00	6.61	QP
11	3.058	9.46	9.94	20.50	39.90	46.00	6.10	Average
12	3.058	9.46	9.94	30.85	50.25	56.00	5.75	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

4. RADIATED EMISSION MEASUREMENT

4.1.Test Equipment

4.1.1.For frequency range 30MHz~1000MHz

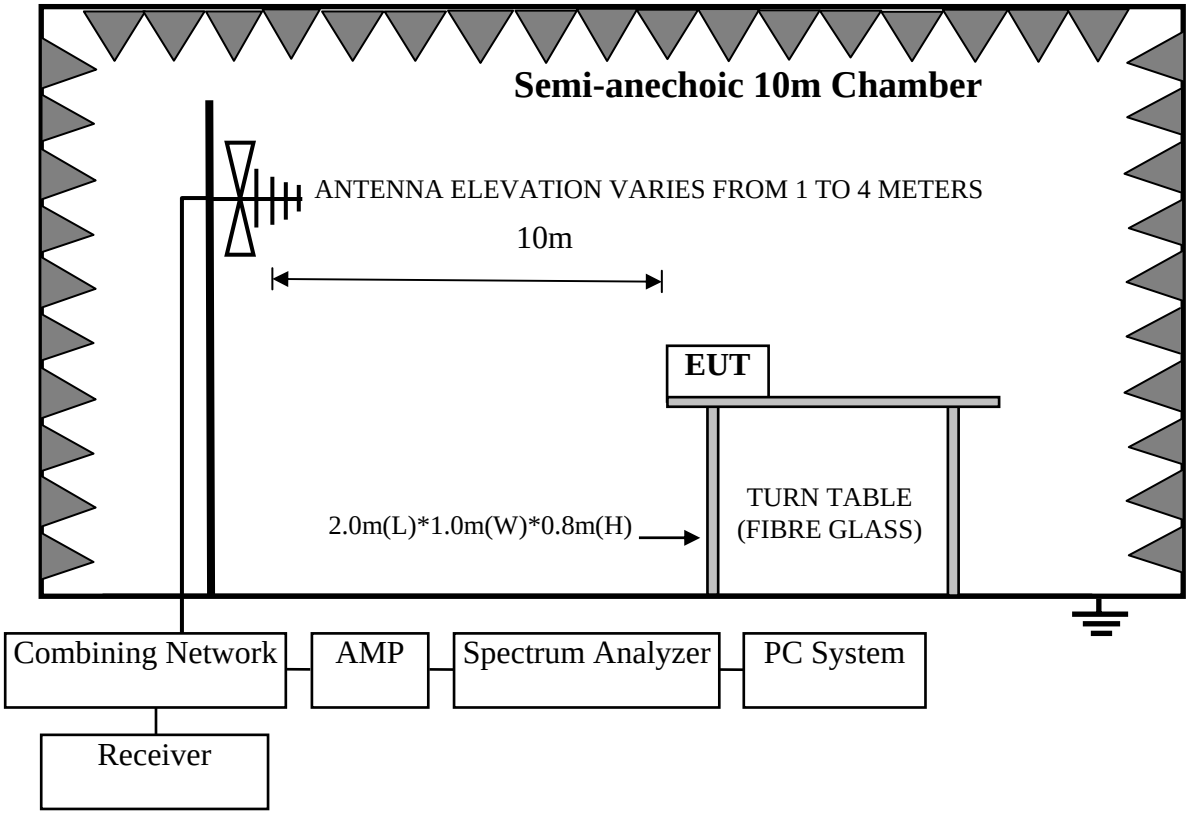
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	10m Chamber	AUDIX	N/A	N/A	Nov.25,14	1 Year
2.	EMC Analyzer	Agilent	E7403A	MY42000106	Apr.28,15	1 Year
3.	Test Receiver	Rohde & Schwarz	ESCI	100843	Oct.29,14	1 Year
4.	Amplifier	Agilent	8447D	2944A10684	Apr.28,15	1 Year
5.	Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-429	Dec.17,14	1 Year
6.	RF Cable	MIYAZAKI	CFD400-LW (3.5M)	10m Chamber No.1	Apr.28,15	1 Year
7.	RF Cable	MIYAZAKI	CFD400-LW (22M)	10m Chamber No.5	Apr.28,15	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6201397221	Apr.28,15	1 Year
9.	Coaxial Switch	Anritsu	MP59B	6201397220	Apr.28,15	1 Year
10.	Test Software	AUDIX	E3	6.100913a	N/A	N/A

4.1.2.For frequency range 1GHz~6GHz

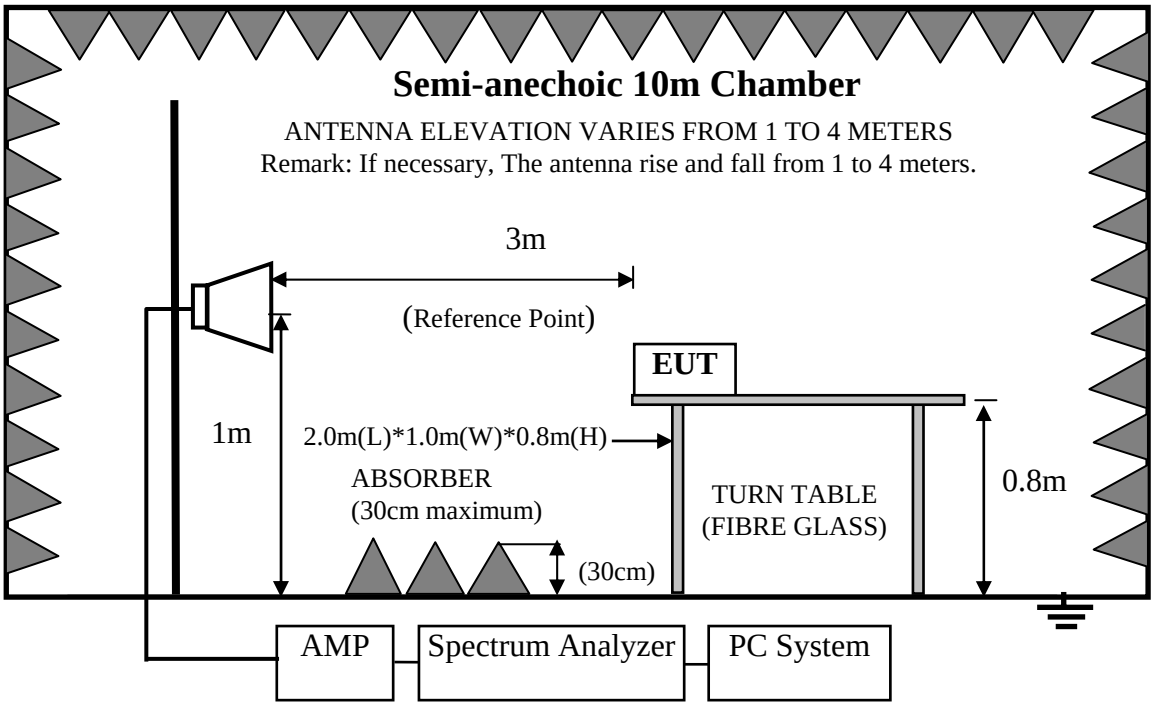
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	10m Chamber	AUDIX	N/A	N/A	Mar.22,15	1 Year
2.	EMC Analyzer	Agilent	E7405A	MY45116588	Oct.26,14	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	Feb.03,15	1 Year
4.	Horn Antenna	ETS	3115	9510-4877	Sep.20,14	1 Year
5.	Amplifier	Agilent	83017A	MY53270085	May.25,15	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX106	505239/6+28610/2	Apr.28,15	1 Year
7.	Test Software	AUDIX	E3	6.100913a	N/A	N/A

4.2.Block Diagram of Test Setup

4.2.1.For frequency range 30MHz-1000MHz



4.2.2.For frequency range 1GHz-6GHz



4.3.Radiated Emission Limit

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dBμV/m)
30 ~ 230	10	30
230 ~ 1000	10	37
1000~3000	3	70(Peak) 50(Average)
3000~6000	3	74(Peak) 54(Average)

Remark**:** (1) Emission level = Antenna Factor + Cable Loss + Reading
Emission level = Antenna Factor -Amp Factor +Cable Loss + Reading (above 1000MHz)
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.4.EUT Configuration on Test

The configurations of EUT are listed in Section 3.4

4.5.Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.5. except the test set up replaced by Section 4.2.

4.6.Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 10m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2009 on Radiated Emission test.

The bandwidth setting on the test receiver (R&S TEST RECEIVER ESVS10) is 120 kHz.

The resolution bandwidth of the Agilent Spectrum Analyzer E7405A was set at 1MHz. (For above 1GHz)

The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values.

The frequency range from 1GHz to 18GHz was checked and all final readings of measurement were with Peak and Average detector, measurement distance was 3m at semi-anechoic chamber. The portion of the test volume that was obstructed by absorber placed on the floor (30cm maximum).

4.7. Radiated Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: LCD Monitor Model No. : RP552

For frequency range 30MHz~1000MHz

The EUT with the following test modes were tested and selected to read Q.P values, all the test results are listed in next pages.

Test Date: May.24, 2015 Temperature: 22.5℃ Humidity: 45.7%

The EUT was pre-tested under following test modes, and selected test mode 9 was the worst cases to issue report.

No.	Test Mode	Input Port	Resolution & Frequency
1.	PC Mode	VGA	800*600/60Hz
2.			1280*1024/75Hz
3.			1920*1080/60Hz
4.		VGA 1	1920*1080/60Hz
5.		VGA 2	1920*1080/60Hz
6.		VGA 3	1920*1080/60Hz
7.		HDMI 1	800*600/60Hz
8.			1280*1024/75Hz
9. ※			1920*1080/60Hz
10.		HDMI 2	1920*1080/60Hz
11.		HDMI 3	1920*1080/60Hz
12.	DVD Mode	HDMI	1080P
13.	USB Mode	USB 2.0 Reading	
14.		USB3.0 Reading	
15.	AV Mode	AV In	

(※ Worst test mode)

Test result is presented in the report as below

No.	Test Mode	Input Port	Resolution & Frequency	Reference Test Data No.	
				Horizontal	Vertical
1.	PC Mode	HDMI 1	1920*1080/60Hz	# 9	# 10

For frequency range 1GHz~6GHz

The EUT with below test mode were measured within Anechoic Chamber and the test results listed in next pages

Test Date: May.24, 2015 Temperature: 23.5℃ Humidity: 51%

The EUT was pre-tested under following test modes, and selected test mode 7 was the worst cases to issue report.

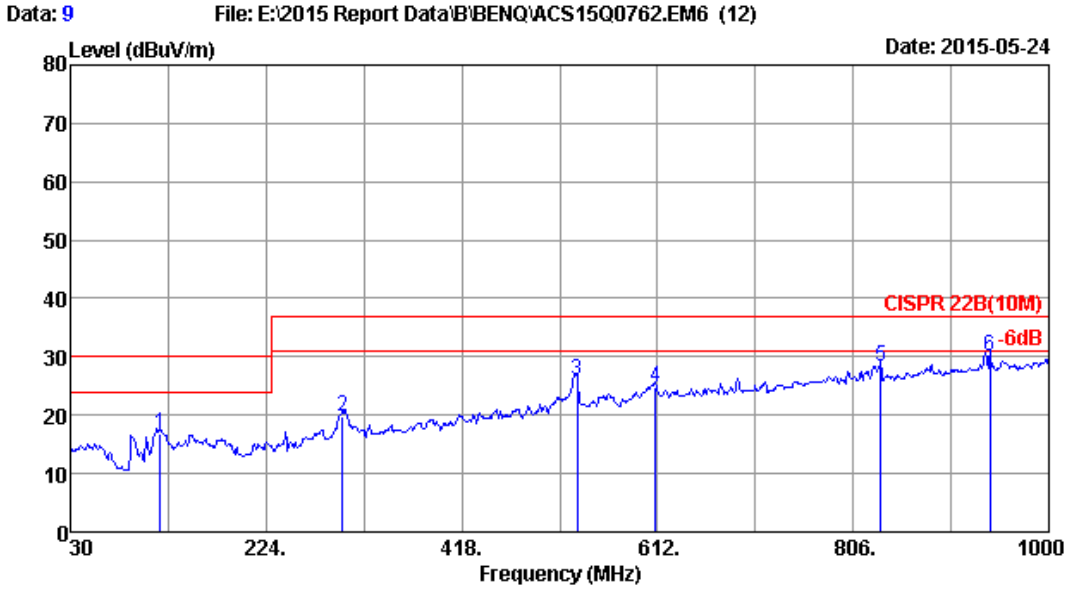
No.	Test Mode	Input Port	Resolution & Frequency
1.	PC Mode	VGA	800*600/60Hz
2.			1280*1024/75Hz
3.			1920*1080/60Hz
4.		HDMI 1	800*600/60Hz
5.			1280*1024/75Hz
6.			1920*1080/60Hz
7. ※		HDMI 2	1920*1080/60Hz
8.		HDMI 3	1920*1080/60Hz
9.		HDMI 4	1920*1080/60Hz
10.		HDMI 5	1920*1080/60Hz
11.	DVD Mode	HDMI	1080P
12.	USB Mode	USB 2.0 Reading	
13.		USB3.0 Reading	
14.	AV Mode	YPbPr In	
15.		AV In	

(※ Worst test mode)

Test result is presented in the report as below

No.	Test Mode	Input Port	Resolution & Frequency	Reference Test Data No.	
				Horizontal	Vertical
1.	PC Mode	HDMI 1	1920*1080/60Hz	# 11	# 12

30MHz~1000MHz



Site no. : 10m Chamber
Dis. / Ant. : 10m 2014 9168-429
Limit : CISPR 22B(10M)
Env. / Ins. : 22.5*C/45.7%
EUT : M/N:RP552
Power Rating : AC 120V/60Hz
Test Mode : Running Burnin Test V7.0
HDMI 1:1920*1080@60Hz

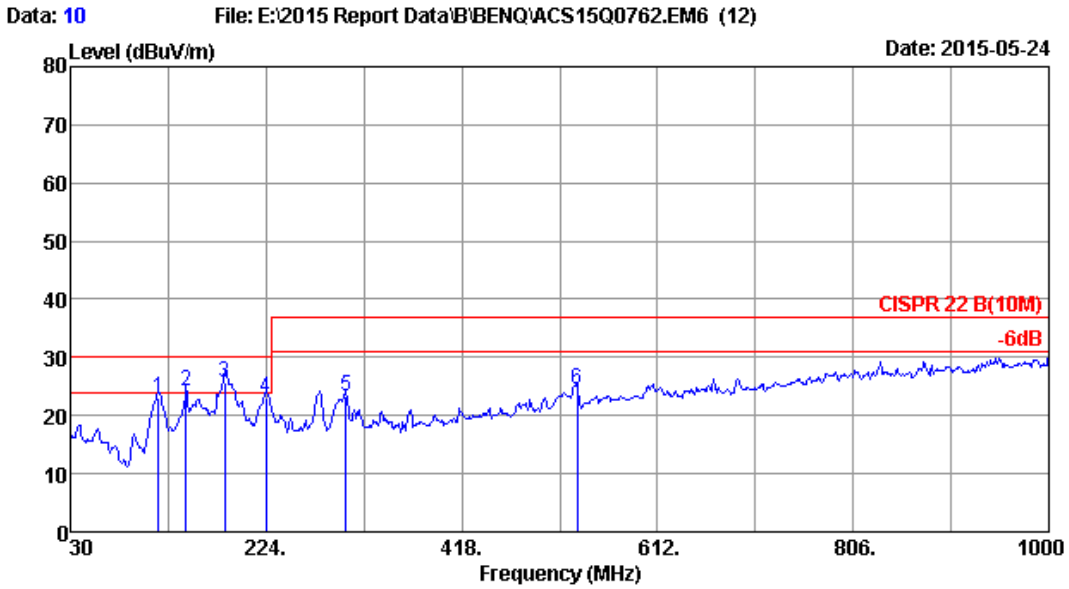
Data No. : 9
Ant. pol. : HORIZONTAL
Engineer : ANDY

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	119.240	11.03	1.43	4.47	16.93	30.00	13.07	QP
2	299.660	13.39	1.92	4.59	19.90	37.00	17.10	QP
3	532.460	18.42	2.50	5.12	26.04	37.00	10.96	QP
4	610.060	19.73	2.71	2.33	24.77	37.00	12.23	QP
5	833.160	22.61	3.20	2.44	28.25	37.00	8.75	QP
6	941.800	23.59	3.45	3.06	30.10	37.00	6.90	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. The worst emission was detected at 941.800 MHz with corrected signal level 30.10dBμV/m (Limit is 37.00 dBμV/m) when the antenna was at horizontal polarization and at 2.0 m high and the turn table was at 218°.

4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



Site no. : 10m Chamber
Dis. / Ant. : 10m 2014 9168-429
Limit : CISPR 22 B(10M)
Env. / Ins. : 22.5*C/45.7%
EUT : M/N:RP552
Power Rating : AC 120V/60Hz
Test Mode : Running Burnin Test V7.0
HDMI 1:1920*1080@60Hz

Data No. : 10
Ant. pol. : VERTICAL
Engineer : ANDY

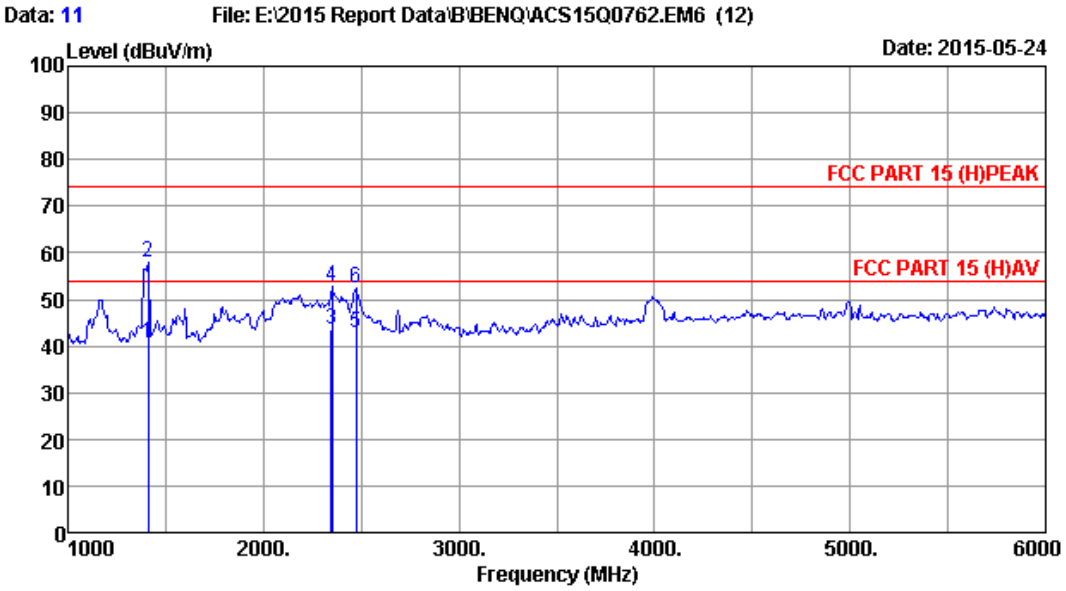
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m	Limits (dBuV/m)	Magin (dB)	Remark
1	117.300	10.86	1.42	10.85	23.13	30.00	6.87	QP
2	144.460	12.97	1.53	9.61	24.11	30.00	5.89	QP
3	183.260	12.01	1.66	11.94	25.61	30.00	4.39	QP
4	224.000	10.17	1.77	11.15	23.09	30.00	6.91	QP
5	303.540	13.48	1.93	8.02	23.43	37.00	13.57	QP
6	532.460	18.42	2.50	3.59	24.51	37.00	12.49	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. The worst emission was detected at 183.260 MHz with corrected signal level 25.61 dBμV/m (Limit is 30.00 dBμV/m) when the antenna was at horizontal polarization and at 2.0 m high and the turn table was at 56°.

4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

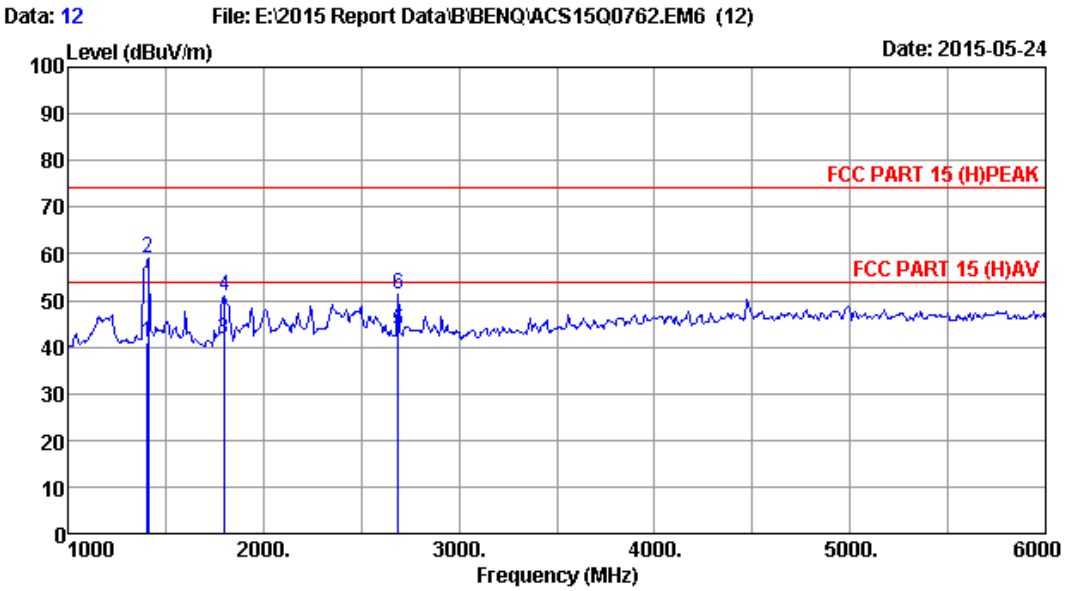
1GHz-18GHz



Site no. : 10m Chamber Data no. : 11
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 (H)PEAK
Env. / Ins. : 23.5*C/51% Engineer : ANDY
EUT : M/N:RP552
Power rating : AC 120V/60Hz
Test Mode : Running Burnin Test V7.0
HDMI 1:1920*1080@60Hz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1409.85	25.62	2.14	35.37	48.36	40.75	54.00	13.25	Average
2	1410.00	25.62	2.14	35.37	65.53	57.92	74.00	16.08	Peak
3	2347.85	28.17	3.45	34.86	46.96	43.72	54.00	10.28	Average
4	2350.00	28.18	3.45	34.86	56.00	52.77	74.00	21.23	Peak
5	2473.85	28.36	3.47	34.83	45.85	42.85	54.00	11.15	Average
6	2475.00	28.36	3.47	34.83	55.52	52.52	74.00	21.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 10m Chamber Data no. : 12
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15 (H) PEAK
Env. / Ins. : 23.5*C/51% Engineer : ANDY
EUT : M/N:RP552
Power rating : AC 120V/60Hz
Test Mode : Running Burnin Test V7.0
HDMI 1:1920*1080@60Hz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1407.95	25.61	2.14	35.38	48.65	41.02	54.00	12.98	Average
2	1410.00	25.62	2.14	35.37	66.74	59.13	74.00	14.87	Peak
3	1796.25	27.00	2.96	35.08	46.86	41.74	54.00	12.26	Average
4	1800.00	27.01	2.97	35.08	56.00	50.90	74.00	23.10	Peak
5	2689.85	29.04	3.55	34.85	45.85	43.59	54.00	10.41	Average
6	2690.00	29.04	3.55	34.85	53.58	51.32	74.00	22.68	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.