

# Technical Compliance Statement

## FCC Test Report

For the following information Ref. File No.: A1Z2103128R1

Product : LCD Monitor  
Model No. : AG274Q; AG274QG; AG274Q\*\*\*\*\*  
(\* = 0-9, A-Z, a-z, +, -, /, \ or blank)  
Brand : AOC  
Applicant : TPV Electronics (FuJian) Co., Ltd.  
Address : Rongqiao Economic and Technological Development  
Zone, Fuqing City, Fujian Province, P.R. China  
Rules and Standards : 47 CFR FCC Part 15 Subpart B  
ANSI C63.4: 2014+ ANSI C63.4a: 2017  
(Class B Limit)

We hereby certify that the above product has been tested by us and complied with above FCC standard limits. The test was performed according to the procedures ANSI C63.4: 2014+ ANSI C63.4a: 2017. The equipment might be marketed in US in accordance with the rules of 47 CFR FCC Part 2 regulations.

The test data and results are issued on the test report **ACS-F21107**.

Test Laboratory:  
Audix Technology (Shenzhen) Co., Ltd.  
NVLAP Lab. Code: 200372-0  
FCC OET Designation: CN5022  
Web Site: [www.audix.com.cn](http://www.audix.com.cn)

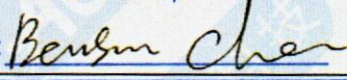


信華科技(深圳)有限公司

Audix Technology (Shenzhen) Co., Ltd.

EMC 部門報告專用章

Stamp only for EMC Dept. Report

Signature: 

(Bensun Chen / Manager)

Date: 2021. 04. 26

The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

## TEST REPORT

LCD Monitor

Model No. : AG274Q; AG274QG; AG274Q\*\*\*\*\*  
(\* = 0-9, A-Z, a-z, +, -, /, \ or blank)

Brand: AOC

Prepared for: TPV Electronics (FuJian) Co., Ltd.  
Rongqiao Economic and Technological Development Zone, Fuqing  
City, Fujian Province, P.R. China

Prepared By: Audix Technology (Shenzhen) Co., Ltd.  
No. 6, Kefeng Road, Science & Technology Park, Nanshan  
District, Shenzhen, Guangdong, China

Tel: (0755) 26639496  
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Report Number : ACS-F21107  
Date of Test : Apr.23~27, 2021  
Date of Report : May.17, 2021

The test report is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.  
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, TAF, or any agency of the U.S. Government.

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### TEST REPORT

Applicant : TPV Electronics (FuJian) Co., Ltd.  
 Product : LCD Monitor  
 Model No. : AG274Q; AG274QG; AG274Q\*\*\*\*\*(\* = 0-9, A-Z, a-z, +, -, /, \ or blank)  
 Brand : AOC  
 Report No. : ACS-F21107  
 Power Supply : AC 100-240V, 50/60Hz  
 Test Voltage : AC 120V/60Hz

Rules of Compliance and Applicable Standards:

47 CFR FCC Part 15 Subpart B, Class B Limit  
 ANSI C63.4: 2014+ ANSI C63.4a: 2017

The device described above was tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. All of the tests were requested by the applicant and the results thereof based upon the information that the applicant provided to us. We, Audix Technology (Shenzhen) Co., Ltd. assume full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT is compliance with the requirements of 47 CFR FCC Part 2 regulations.

No modifications were required during testing to bring this product into compliance.

This report applies to single evaluation of one sample of the above-mentioned products and shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.

Date of Test : Apr.23~27, 2021 Report of date: May.17, 2021

Prepared by : Monica Liu  
 Monica Liu / Assistant

Reviewed by Fire Zhang  
 Audix Technology (Shenzhen) Co., Ltd.  
 Fire Zhang / Assistant Manager



Approved & Authorized Signer :

Bensun Chen / Manager

Name of the Representative of the Responsible Party: \_\_\_\_\_

Signature: \_\_\_\_\_

## 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.

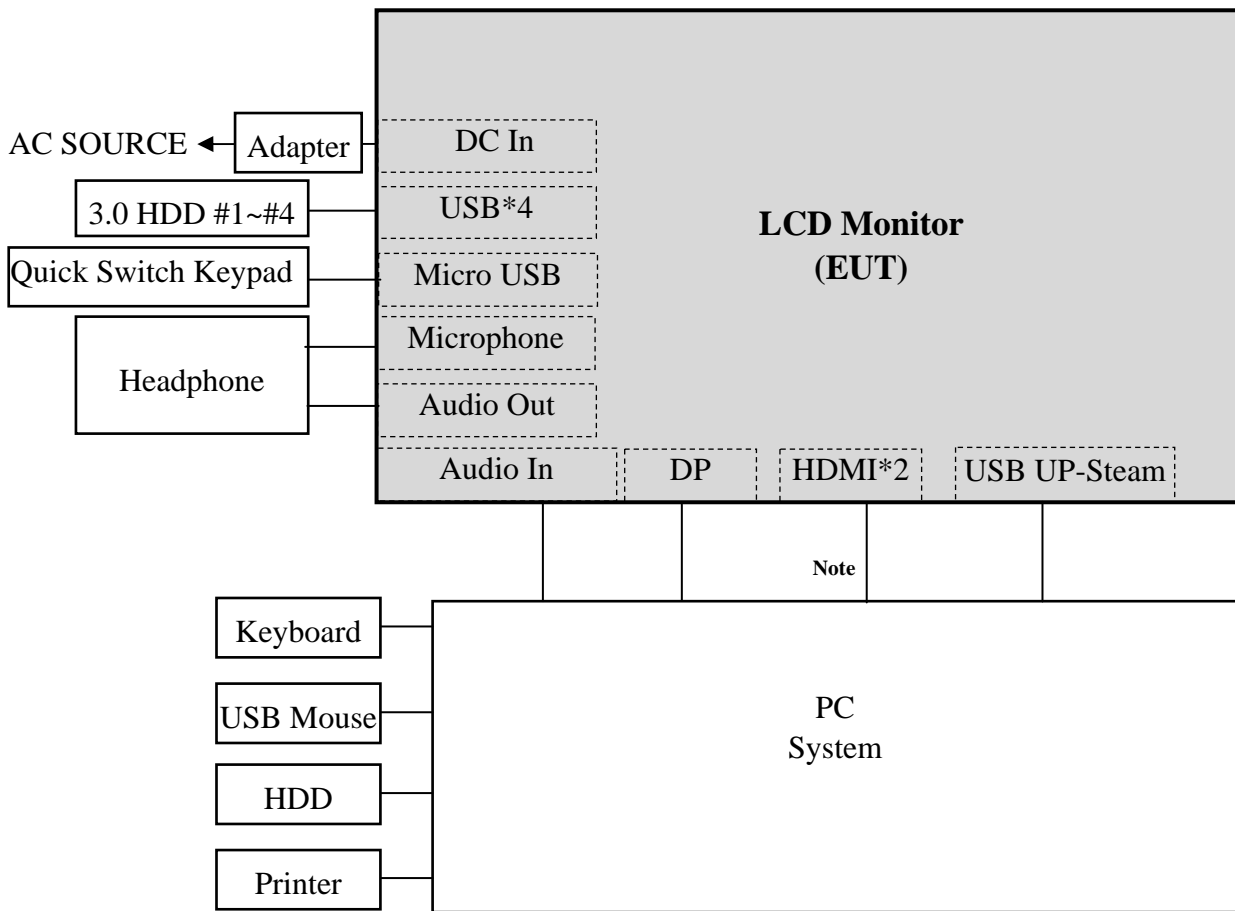
EMISSION			
Description of Test Item	Standard	Results	Remark
Power Line Conducted Emission Test	FCC Part 15 ANSI C63.4: 2014+ ANSI C63.4a: 2017	PASS	Minimum passing margin is 4.22dB at 0.579MHz
Radiated Emission Test (30-1000MHz)	FCC Part 15 ANSI C63.4: 2014+ ANSI C63.4a: 2017	PASS	Minimum passing margin is 6.86dB at 45.520MHz
Radiated Emission Test (Above 1GHz)	FCC Part 15 ANSI C63.4: 2014+ ANSI C63.4a: 2017	PASS	Minimum passing margin is 12.23dB at 8088.934MHz



2.2. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number
1.	Personal Computer	Test PC Y	Dell	Dell Precision Tower 5810	50P79K2
		Power Cord(3C): Unshielded, Detachable, 1.8m			
2.	USB Keyboard	ACS-EMC-K03R	DELL	SK-8120	CN-ODJ365-71616-2BE-0DCE-A00
		USB Cable: Shielded, Undetachable, 1.5m			
3.	USB Mouse	ACS-EMC-M03R	DELL	M0C5UO	512023253
		SB Cable: Shielded, Undetachable, 1.8m			
4.	Printer	ACS-EMC-PT04	HP	C9079A	908A1001201
		USB Cable: Shielded, Detachable, 1.8m			
		Power Cord(2C): Unshielded, Detachable, 1.8m			
5.	Headphone	ACS-EMC-EP01	OVANN	OV880V	---
		Data Cable: Shielded, Undetachable, 2.0m			
6.	HDD	ACS-EMC-HDD01	Terasys	F12-UF	A0100215-5390031
		USB Cable: Shielded, Detachable, 1.8m			
7.	HDD#1	ACS-EMC-HDD33	WD	WD My Book Studio	WCAV5C987862
		USB Cable: Shielded, Detachable, 1.8m			
8.	HDD#2	ACS-EMC-HDD34	WD	WD My Book Studio	WCAV4302542
		USB Cable: Shielded, Detachable, 1.8m			
9.	HDD#3	ACS-EMC-HDD35	WD	WD My Book Studio	WCAV5D02502
		USB Cable: Shielded, Detachable, 1.8m			
10.	HDD#4	ACS-EMC-HDD36	WD	WD My Book Studio	WCAV52038833
		USB Cable: Shielded, Detachable, 1.8m			

### 2.3. Block Diagram of Test Setup



**Note: HDMI terminal respectively applies to PC, DVD Mode, but it can't be work at the same time for the two modes. (EUT: LCD Monitor)**



2.4. Description of Test Facility

Site Description

Name of Firm : Audix Technology (Shenzhen) Co., Ltd.  
 No. 6, Kefeng Road, Science & Technology Park,  
 Nanshan District, Shenzhen, Guangdong, China

EMC Lab. : Accredited by NVLAP, USA  
 NVLAP Code: 200372-0  
 Valid Date: Mar.31, 2022

Certificated by FCC, USA  
 Designation No: CN5022  
 Valid Date: Mar.31, 2022

Accredited by TAF, Taiwan  
 Registration No: 1418  
 Valid Date: Nov.30, 2023

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

Test Item	Uncertainty
Uncertainty for Conduction Emission test in No. 2 Conduction	2.4dB (150kHz to 30MHz)
Uncertainty for Radiation Emission test in 10m chamber (Distance: 3m)	3.8dB (30~200MHz, Polarization: H)
	3.6dB (30~200MHz, Polarization: V)
	3.6dB (200M~1GHz, Polarization: H)
	3.8dB (200M~1GHz, Polarization: V)
Uncertainty for Radiation Emission test in 10m chamber (1GHz-18GHz)	5.0dB (1~6GHz, Distance: 3m)
	5.0dB (6~18GHz, Distance: 3m)
Uncertainty for S <sub>VSWR</sub> in 10m Chamber	2.8dB (1-6GHz, Distance: 3m)
	2.8dB (6-18GHz, Distance: 3m)
Uncertainty for test site temperature , humidity, pressure	0.6°C
	3%
	1kPa

Note: EMI uncertainty is evaluated by CISPR16-4-2.

The value of measurement uncertainty of EMI is less than U<sub>CISPR</sub>.

The value is not calculated in the test results.

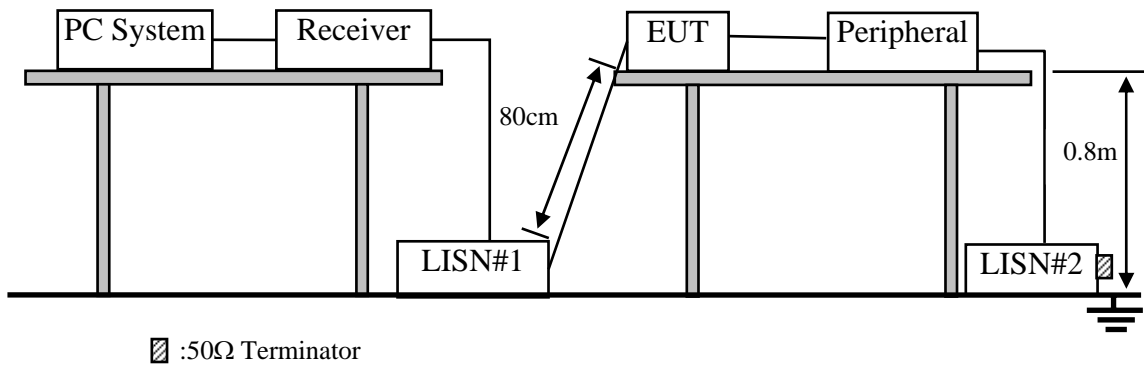
### 3. POWER LINE CONDUCTED EMISSION MEASUREMENT

#### 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.14,21	3 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100843	Oct.11,20	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ENV4200	100041	Apr.07,21	1 Year
4.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1628-5	Apr.07,21	1 Year
5.	Terminator	Hubersuhner	50Ω	No.4	Apr.06,21	1 Year
6.	Terminator	Hubersuhner	50Ω	No.5	Apr.06,21	1 Year
7.	RF Cable	EMCI	EMCCFD300-BM-NM-2000	190421	Apr.13,21	1 Year
8.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

#### 3.2. Block Diagram of Test Setup



#### 3.3. Power Line Conducted Emission Class B 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.EUT 's Configuration during Compliance Measurement

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 No : AG274Q

#### 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.Turn on the power of all equipments.

3.5.3.PC system ran the Self-test program “EMC TEST. exe” by windows 7 and sent “H” Character to LCD Monitor (EUT) through HDMI / DP / Type-C 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.DVD Mode: The DVD player played DVD Disk and sent “DVD 1kHz Signal Playing” image to the LCD Monitor (EUT).

3.5.6.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). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). 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: 2014+ ANSI C63.4a: 2017 on conducted emission test.

The bandwidth of the (R&S ESCI) was set at 9kHz.

The frequency range from 150kHz to 30MHz is checked. The test results are recorded in 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.)

**EUT: LCD Monitor**

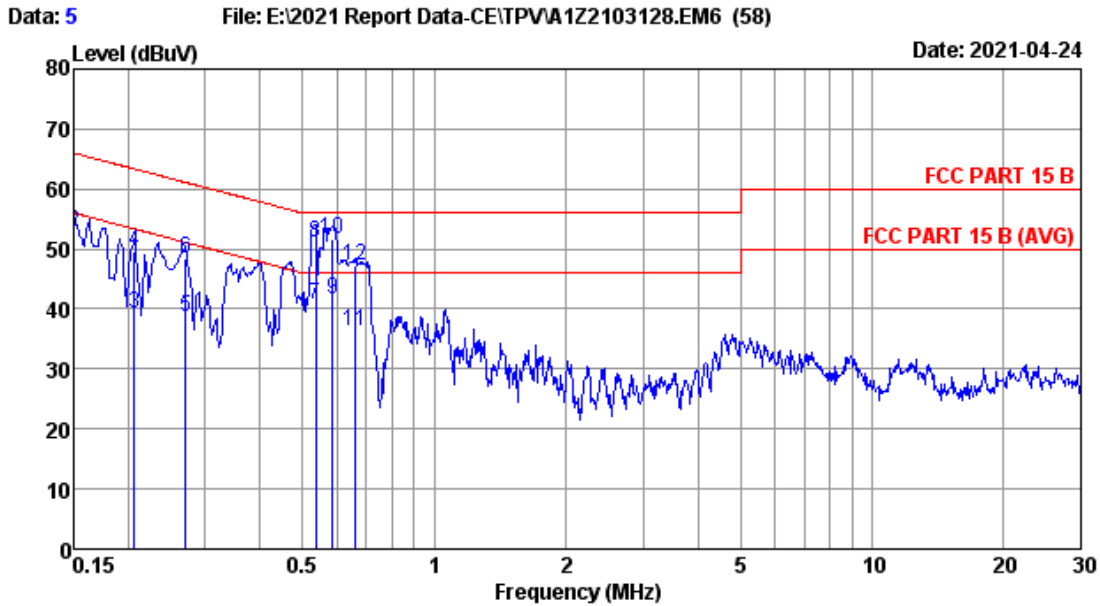
**Model No. : AG274Q**

The EUT with following test modes were pre-tested:

No.	Adapter	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency
1.	Adapter#1: ADP-230JB D	AC 120V/60Hz	PC Mode	HDMI 1	1.8m	640*480@60Hz
2.						1280*1024@75Hz
3.						2560*1440@144Hz
4.						1440*2560@144Hz (Panel is Vertical)
5.				1.5m	2560*1440@144Hz	
6.				HDMI 2	1.8m	640*480@60Hz
7.						1280*1024@75Hz
8.						2560*1440@144Hz
9.				DP	1.8m	640*480@60Hz
10.						1280*1024@75Hz
11.						2560*1440@144Hz
12.					DVD Mode	HDMI 1/2
13.	Adapter#2: FSP230-AJAN3	AC 120V/60Hz	PC Mode	HDMI 1	1.8m	640*480@60Hz
14.						1280*1024@75Hz
15.						2560*1440@144Hz
16.						1440*2560@144Hz (Panel is Vertical)
17.				1.5m	2560*1440@144Hz	
18.				HDMI 2	1.8m	640*480@60Hz
19.						1280*1024@75Hz
20.						2560*1440@144Hz
21.				DP	1.8m	640*480@60Hz
22.						1280*1024@75Hz
23.						2560*1440@144Hz
24.					DVD Mode	HDMI 1/2

The result of worst test mode is presented in the report as below and the test data are listed in next pages.

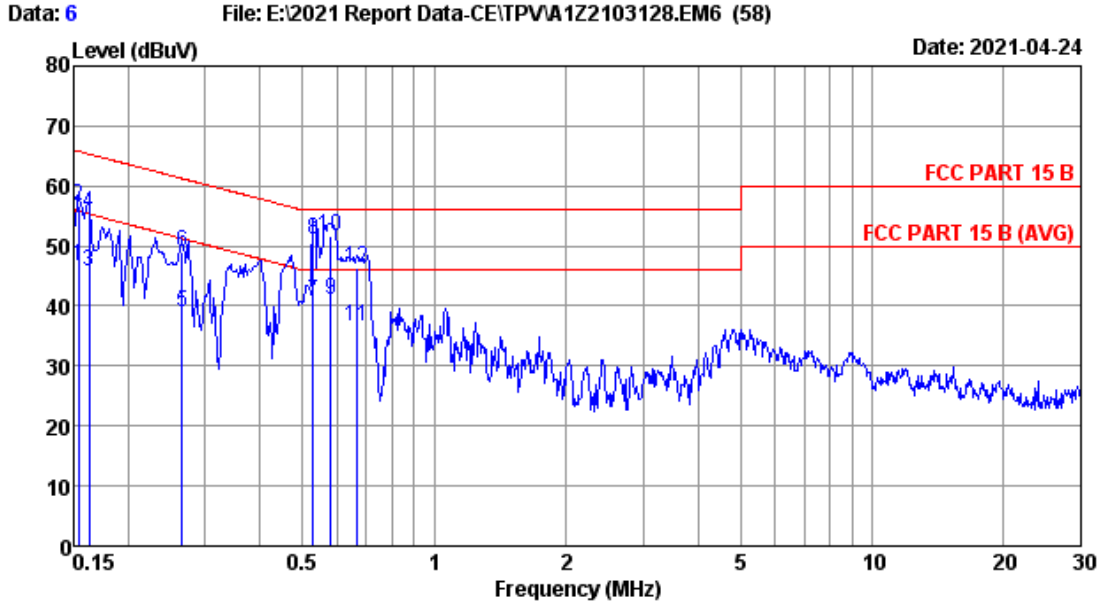
No.	Test Adapter	Test Mode	Input Port	Cable Length	Resolution & Frequency	Reference Test Data No.	
						Line	Neutral
1.	Adapter#1: ADP-230JB D	PC Mode	HDMI 1	1.8m	2560*1440@144Hz	#5	#6



Site no	:2# Conduction	Data No	:5
Dis./Lisn	:2021 ENV4200 L1	LISN phase:	LINE
Limit	:FCC PART 15 B	Pressure	:101.6kPa
Env./Ins.	:24.4°C/43%	Engineer	:Gavin
EUT	:M/N:AG274Q		
Power Rating	:AC 120V/60Hz		
Test Mode	:HDMI1:2560*1440@144Hz		
	Line:1.8m		

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.150	10.30	0.23	30.29	40.82	56.00	15.18	Average
2	0.150	10.30	0.23	42.46	52.99	66.00	13.01	QP
3	0.206	10.20	0.23	28.75	39.18	53.36	14.18	Average
4	0.206	10.20	0.23	39.27	49.70	63.36	13.66	QP
5	0.270	10.20	0.23	28.36	38.79	51.12	12.33	Average
6	0.270	10.20	0.23	38.10	48.53	61.12	12.59	QP
7	0.535	10.13	0.23	30.29	40.65	46.00	5.35	Average
8	0.535	10.13	0.23	40.79	51.15	56.00	4.85	QP
9	0.585	10.11	0.23	31.35	41.69	46.00	4.31	Average
10	0.585	10.11	0.23	41.36	51.70	56.00	4.30	QP
11	0.658	10.01	0.24	26.17	36.42	46.00	9.58	Average
12	0.658	10.01	0.24	37.04	47.29	56.00	8.71	QP

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



Site no	:2# Conduction	Data No	:6
Dis./Lisn	:2021 ENV4200 N	LISN phase:	NEUTRAL
Limit	:FCC PART 15 B	Pressure	:101.6kPa
Env./Ins.	:24.4°C/43%	Engineer	:Gavin
EUT	:M/N:AG274Q		
Power Rating	:AC 120V/60Hz		
Test Mode	:HDMI1:2560*1440@144Hz		
	Line:1.8m		

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.154	10.20	0.23	36.15	46.58	55.78	9.20	Average
2	0.154	10.20	0.23	46.23	56.66	65.78	9.12	QP
3	0.162	10.20	0.23	35.29	45.72	55.34	9.62	Average
4	0.162	10.20	0.23	45.11	55.54	65.34	9.80	QP
5	0.266	10.16	0.23	28.45	38.84	51.25	12.41	Average
6	0.266	10.16	0.23	38.72	49.11	61.25	12.14	QP
7	0.529	10.17	0.23	30.29	40.69	46.00	5.31	Average
8	0.529	10.17	0.23	40.82	51.22	56.00	4.78	QP
9	0.579	10.19	0.23	30.48	40.90	46.00	5.10	Average
10	0.579	10.19	0.23	41.36	51.78	56.00	4.22	QP
11	0.668	10.09	0.24	26.38	36.71	46.00	9.29	Average
12	0.668	10.09	0.24	36.11	46.44	56.00	9.56	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.  
 2.If the average limit is met when using 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 Equipments

#### 4.1.1. For frequency range 30MHz~1000MHz (In 10m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	10m Chamber(NSA)	AUDIX	N/A	N/A	Apr.14,21	1 Year
2.	10m Chamber(SE)	AUDIX	N/A	N/A	Apr.14,21	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	103669	Oct.11,20	1 Year
4.	Signal Analyzer	Rohde & Schwarz	FSV30	103670	Oct.11,20	1 Year
5.	EMI Test Receiver	Rohde & Schwarz	ESR3	101931	Apr.06,21	1 Year
6.	Amplifier	EMCI	EMC9135	980347	Apr.06,21	1 Year
7.	Amplifier	EMCI	EMC9135	980348	Mar.02,21	1 Year
8.	Tri-log-Broadband Antenna	Schwarzbeck	VULB 9168	429	Jul.06,20	1 Year
9.	Tri-log-Broadband Antenna	Schwarzbeck	VULB 9168	493	Aug.28,20	1 Year
10.	RF Cable	SPUMA	CFD400NL-LW	No.4	Apr.06,21	1 Year
11.	RF Cable	SPUMA	CFD400-NM-NM	160727+160728	Apr.06,21	1 Year
12.	Coaxial Switch	Anritsu	MP59B	6201397220	Apr.06,21	1 Year
13.	Coaxial Switch	Anritsu	MP59B	6201397221	Apr.06,21	1 Year
14.	Coaxial Switch	Anritsu	MP59B	6201397224	Apr.06,21	1 Year
15.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

#### 4.1.2. For frequency range above 1GHz (In 10m Anechoic Chamber)

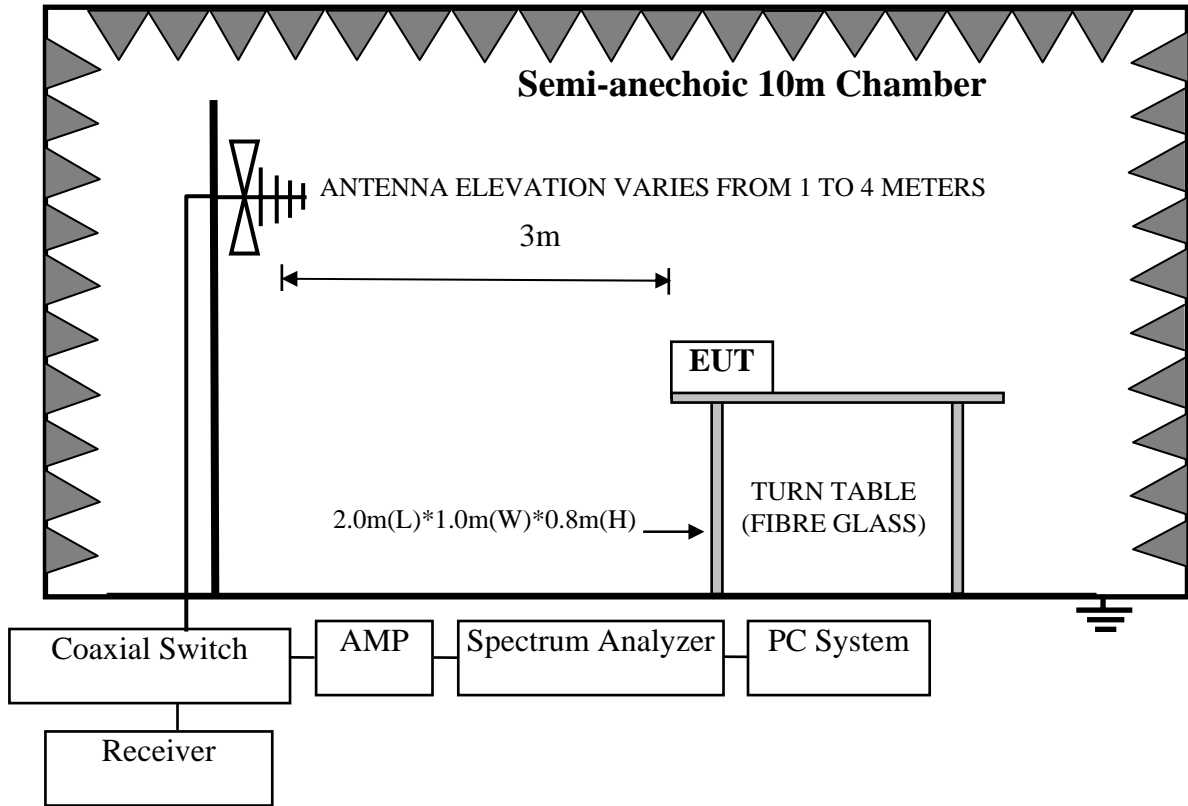
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	10m Chamber(Svswr)	AUDIX	N/A	N/A	Apr.11,21	1 Year
2.	10m Chamber(SE)	AUDIX	N/A	N/A	Apr.14,21	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	103670	Oct.11,20	1 Year
4.	Horn Antenna	ETS	3117	00218552	Dec.09,20	1 Year
5.	Amplifier	KEYSIGHT	83017A	39500711	Apr.06,21	1 Year
6.	RF Cable	ETS	SMS-100-SMS-350IN	NO.1	Apr.06,21	1 Year
7.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

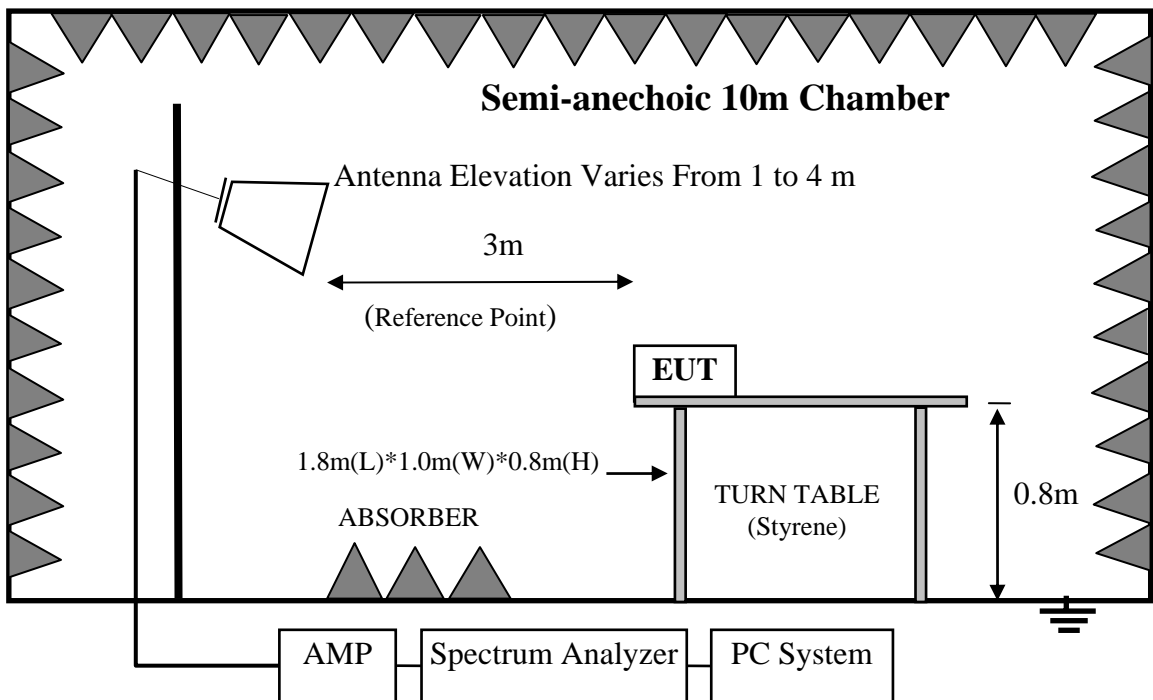


## 4.2. Block Diagram of Test Setup

### 4.2.1. In 10m Anechoic Chamber Test Setup Diagram for 30MHz~1000MHz



### 4.2.2. In 10m Anechoic Chamber Test Setup Diagram for frequency range above 1GHz



### 4.3. Radiated Emission Limit

All emanations from a Class B computing devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB $\mu$ V/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216~960	3	46.0
960~1000	3	54.0
Above 1000	3	74.0(Peak), 54.0(Average)

- Notes:
- (1) Emission level = Antenna Factor + Cable Loss + Reading  
Emission level = Antenna Factor - Amp Factor + Cable Loss + Reading (above 1000MHz)
  - (2) The lower limit shall apply at the transition frequencies.
  - (3) The distance between the horizontal projection onto the ground plane of the closest periphery of the EUT and the projection onto the ground plane of the center of the axis of the elements of the receiving antenna.

### 4.4. EUT 's Configuration during Compliance Measurement

The configuration of EUT is same as used in Conducted Emission test. Please refer to Section 3.4.

### 4.5. Operating Condition of the 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 3m 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: 2014+ ANSI C63.4a: 2017 on radiated emission test.

The bandwidth setting on the test receiver (R&S ESR3) is 120kHz.

The resolution bandwidth of the Signal Analyzer FSV30 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 10m at semi-anechoic chamber. the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. The portion of the test volume that was obstructed by absorber placed on the floor (30cm maximum).

Finally, selected operating situations at Anechoic Chamber measurement, all the test results are listed in section 4.7.

4.7. Radiated Disturbance Test Results

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

EUT: LCD Monitor

Model No. : AG274Q

**For frequency range 30MHz~1000MHz**

The EUT with following test modes were pre-tested:

No.	Adapter	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency
1.	Adapter#1: ADP-230JB D	AC 120V/60Hz	PC Mode	HDMI 1	1.8m	640*480@60Hz
2.						1280*1024@75Hz
3.						2560*1440@144Hz
4.						1440*2560@144Hz (Panel is Vertical)
5.					1.5m	2560*1440@144Hz
6.					HDMI 2	1.8m
7.				1280*1024@75Hz		
8.				2560*1440@144Hz		
9.				DP	1.8m	640*480@60Hz
10.						1280*1024@75Hz
11.						2560*1440@144Hz
12.						DVD Mode
13.	Adapter#2: FSP230-AJAN3	AC 120V/60Hz	PC Mode	HDMI 1	1.8m	640*480@60Hz
14.						1280*1024@75Hz
15.						2560*1440@144Hz
16.						1440*2560@144Hz (Panel is Vertical)
17.					1.5m	2560*1440@144Hz
18.					HDMI 2	1.8m
19.				1280*1024@75Hz		
20.				2560*1440@144Hz		
21.				DP	1.8m	640*480@60Hz
22.						1280*1024@75Hz
23.						2560*1440@144Hz
24.						DVD Mode

The result of worst test mode is presented in the report as below and the test data are listed in next pages.

No.	Test Adapter	Test Mode	Input Port	Cable Length	Resolution & Frequency	Reference Test Data No.	
						Horizontal	Vertical
1.	Adapter#1: ADP-230JB D	PC Mode	HDMI 1	1.8m	2560*1440@144Hz	#6	#5

**For frequency range 1GHz~18GHz**

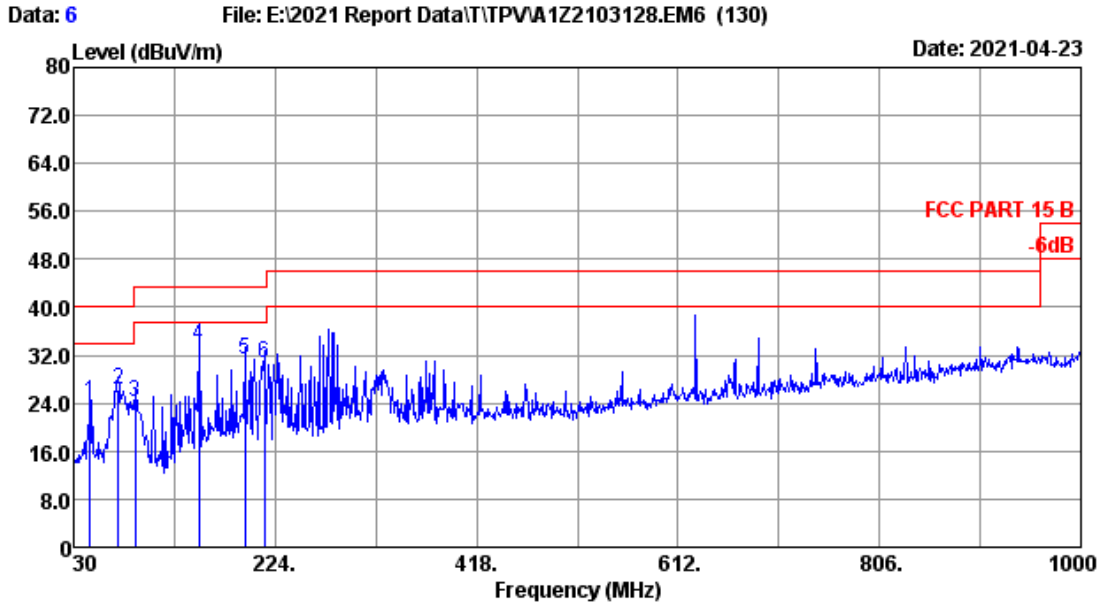
The EUT with below test mode were measured within Anechoic Chamber and the test results listed in next pages.

The EUT with following test modes were pre-tested:

No.	Adapter	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency
1.	Adapter#1: ADP-230JB D	AC 120V/60Hz	PC Mode	HDMI 1	1.8m	1280*1024@75Hz
2.						2560*1440@144Hz
3.					1440*2560@144Hz (Panel is Vertical)	
4.					1.5m	2560*1440@144Hz
5.				HDMI 2	1.8m	1280*1024@75Hz
6.						2560*1440@144Hz
7.				DP	1.8m	1280*1024@75Hz
8.						2560*1440@144Hz
9.					DVD Mode	HDMI 1/2
10.	Adapter#2: FSP230-AJAN3	AC 120V/60Hz	PC Mode	HDMI 1	1.8m	1280*1024@75Hz
11.						2560*1440@144Hz
12.					1440*2560@144Hz (Panel is Vertical)	
13.					1.5m	2560*1440@144Hz
14.				HDMI 2	1.8m	1280*1024@75Hz
15.						2560*1440@144Hz
16.				DP	1.8m	1280*1024@75Hz
17.						2560*1440@144Hz
18.					DVD Mode	HDMI 1/2

The result of worst test mode is presented in the report as below and the test data are listed in next pages.

No.	Test Adapter	Test Mode	Input Port	Cable Length	Resolution & Frequency	Reference Test Data No.	
						Horizontal	Vertical
1.	Adapter#1: ADP-230JB D	PC Mode	HDMI 1	1.8m	2560*1440@144Hz	#32	#31

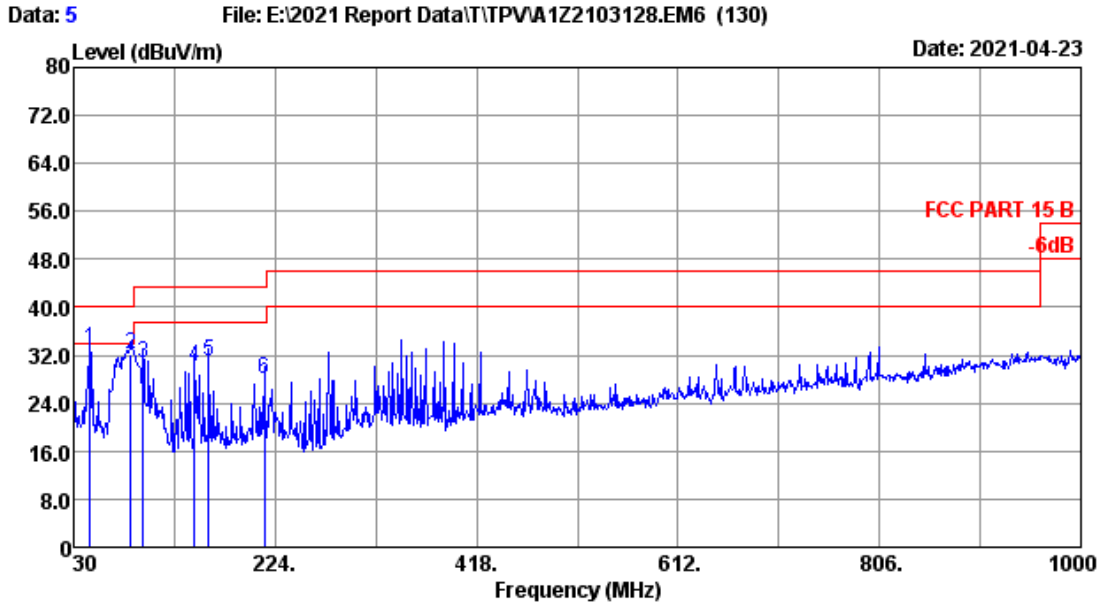


Site no.	: 10m Chamber	Data no.	: 6
Dis. / Ant.	: 3m 2020 VULB9168-493	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B	Pressure	: 101.6kPa
Env. / Ins.	: 21.6°C/42%	Engineer	: Dream
EUT	: M/N:AG274Q		
Power rating	: AC 120V/60Hz		
Test Mode	: HDMI1:2560*1440@144Hz		
	Line:1.8m		

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	45.520	20.30	1.02	2.86	24.18	40.00	15.82	QP
2	72.680	17.40	1.26	7.56	26.22	40.00	13.78	QP
3	89.170	13.30	1.40	9.63	24.33	43.50	19.17	QP
4	150.280	19.90	1.76	12.08	33.74	43.50	9.76	QP *
5	194.900	17.10	1.97	12.26	31.33	43.50	12.17	QP
6	213.330	17.00	1.99	11.76	30.75	43.50	12.75	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 150.280MHz with corrected signal level of 33.74dBµV/m (Antenna height 1.5m; Turntable degree 184° )
  4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

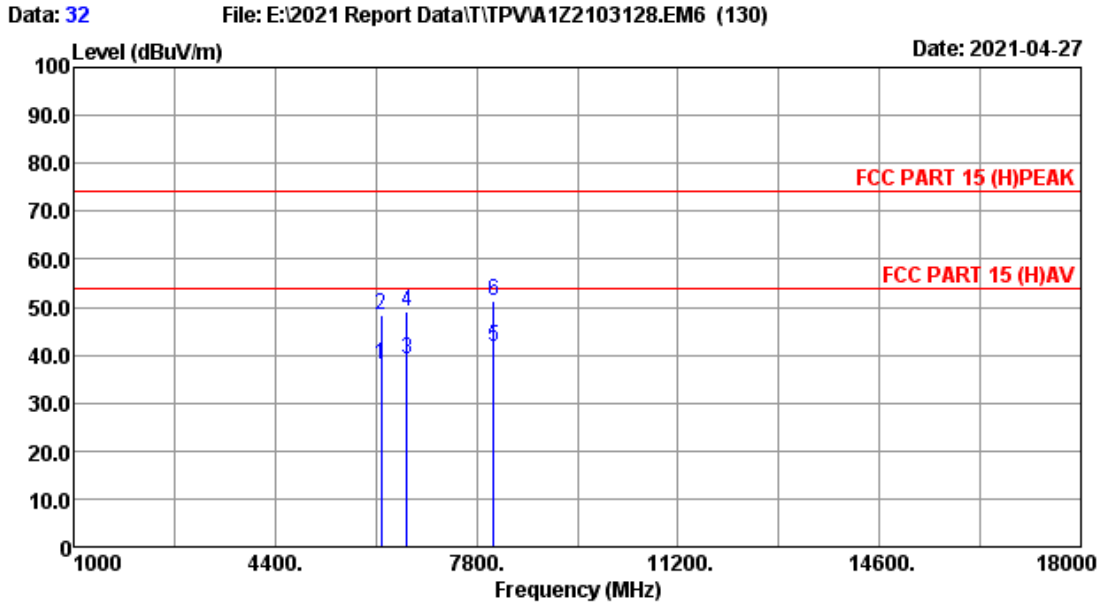




Site no.	: 10m Chamber	Data no.	: 5
Dis. / Ant.	: 3m 2020 VULB9168-493	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B	Pressure	: 101.6kPa
Env. / Ins.	: 21.6°C/42%	Engineer	: Dream
EUT	: M/N:AG274Q		
Power rating	: AC 120V/60Hz		
Test Mode	: HDMI1:2560*1440@144Hz		
	Line:1.8m		

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	45.520	20.30	1.02	11.82	33.14	40.00	6.86	QP*
2	85.290	14.00	1.37	16.86	32.23	40.00	7.77	QP
3	96.930	14.40	1.46	14.87	30.73	43.50	12.77	QP
4	146.400	19.70	1.74	8.75	30.19	43.50	13.31	QP
5	159.980	19.80	1.81	9.33	30.94	43.50	12.56	QP
6	213.330	17.00	1.99	9.12	28.11	43.50	15.39	QP

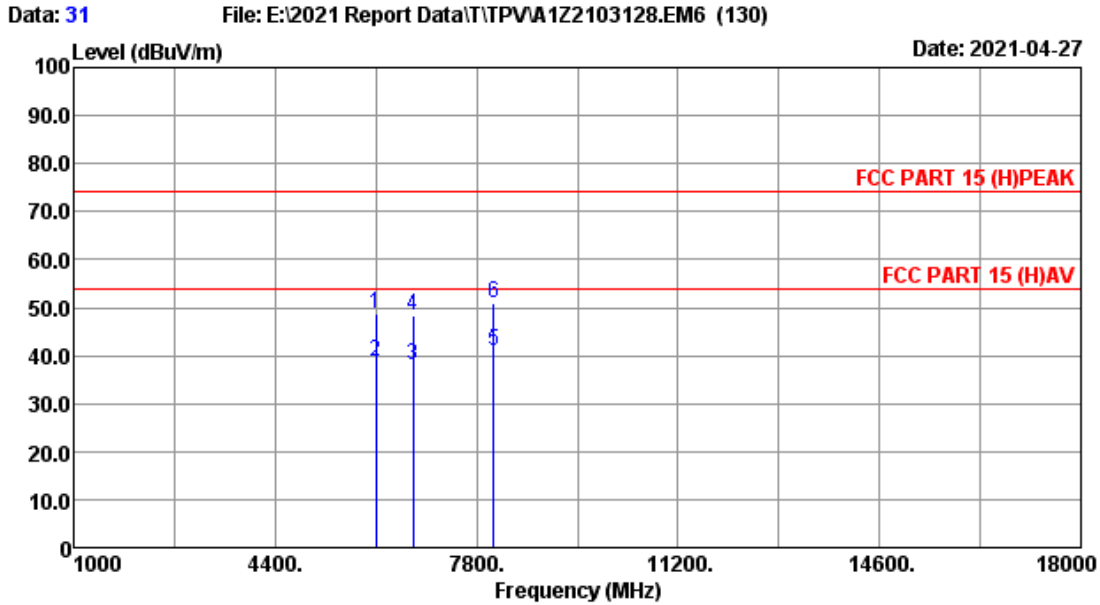
- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
  2. The emission levels that are 20dB below the official limit are not reported.
  3. The worst emission was detected at 45.520MHz with corrected signal level of 33.14dBµV/m (Antenna height 2.6m; Turntable degree 220°)
  4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



Site no.	: 10m Chamber	Data no.	: 32
Dis. / Ant.	: 3m 2020 3117	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 (H)PEAK	Pressure	: 101.6kPa
Env. / Ins.	: 21.6°C/42%	Engineer	: Fire
EUT	: M/N:AG274Q		
Power rating	: AC 120V/60Hz		
Test Mode	: HDMI1:2560*1440@144Hz		
	Line:1.8m		

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	6184.238	35.31	8.24	31.95	26.31	37.91	54.00	16.09	Average
2	6185.518	35.31	8.24	31.95	36.82	48.42	74.00	25.58	Peak
3	6626.251	35.52	8.61	32.31	27.21	39.03	54.00	14.97	Average
4	6627.468	35.52	8.61	32.31	37.22	49.04	74.00	24.96	Peak
5	8088.934	35.82	9.65	32.90	29.20	41.77	54.00	12.23	Average
6	8089.173	35.82	9.65	32.90	38.54	51.11	74.00	22.89	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.	: 31
Dis. / Ant.	: 3m 2020 3117	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 (H) PEAK	Pressure	: 101.6kPa
Env. / Ins.	: 21.6°C/42%	Engineer	: Fire
EUT	: M/N:AG274Q		
Power rating	: AC 120V/60Hz		
Test Mode	: HDMI1:2560*1440@144Hz		
	Line:1.8m		

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	6100.658	35.26	8.18	31.86	37.01	48.59	74.00	25.41	Peak
2	6101.413	35.26	8.18	31.86	27.30	38.88	54.00	15.12	Average
3	6728.254	35.54	8.69	32.39	26.31	38.15	54.00	15.85	Average
4	6729.456	35.54	8.69	32.39	36.57	48.41	74.00	25.59	Peak
5	8088.765	35.82	9.65	32.90	28.30	40.87	54.00	13.13	Average
6	8089.938	35.82	9.65	32.90	38.40	50.97	74.00	23.03	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.

## 5. DEVIATION TO TEST SPECIFICATIONS

[NONE]

## 6. PHOTOGRAPH

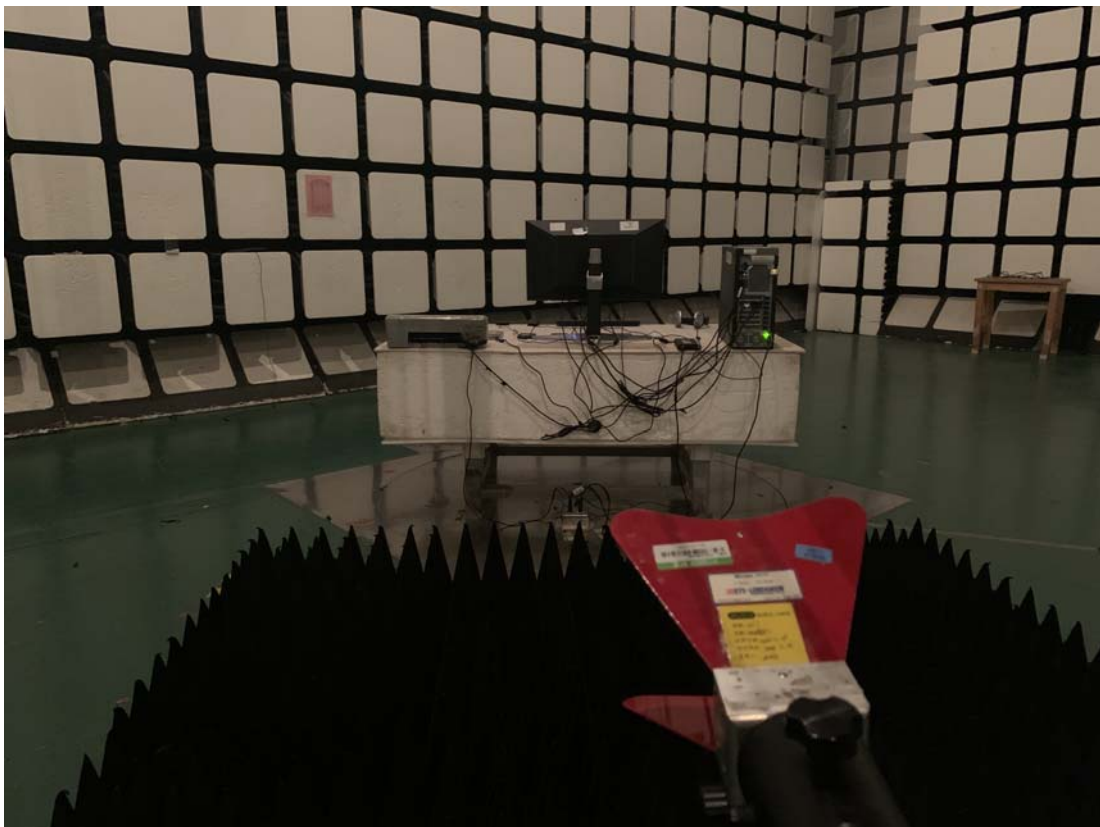
### 6.1.Photos of Power Line Conducted Emission Measurement



6.2.Photos of Radiated Emission Test (In 10m Anechoic Chamber)



(In 10m Anechoic Chamber Test frequency range above 1GHz)



..... **THE END** .....