

# FCC& ISED EMC Test Report

**Project No.** : 1806C005  
**Equipment** : LCD Monitor  
**Model Name** : \*\*32G1\*\*\*\*\* (\*=A-Z,a-z,0-9,/ ,or blank)  
**Applicant** : TPV Electronics (Fujian) Co., Ltd.  
**Address** : Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China

**Date of Receipt** : Jun. 02, 2018  
**Date of Test** : Jun. 25, 2018 ~ Jul. 18, 2018  
**Issued Date** : Jul. 23, 2018  
**Tested by** : BTL Inc.

**Testing Engineer** : Jim Zhang  
(Jim Zhang)

**Technical Manager** : Bill Zhang  
(Bill Zhang)

**Authorized Signatory** : Steven Lu  
(Steven Lu)

## **B T L I N C .**

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000



### **Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

**BTL's** laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements in all the possible configurations as representative of its intended use.

### **Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

<b>Table of Contents</b>	<b>Page</b>
<b>REPORT ISSUED HISTORY</b>	<b>4</b>
<b>1 . CERIFICATION</b>	<b>5</b>
<b>2 . SUMMARY OF TEST RESULTS</b>	<b>6</b>
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
<b>3 . GENERAL INFORMATION</b>	<b>8</b>
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 DESCRIPTION OF TEST MODES	9
3.3 EUT OPERATING CONDITIONS	10
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
3.5 DESCRIPTION OF SUPPORT UNITS	11
<b>4 . EMC EMISSION TEST</b>	<b>12</b>
4.1 CONDUCTED EMISSION MEASUREMENT	12
4.1.1 POWER LINE CONDUCTED EMISSION	12
4.1.2 MEASUREMENT INSTRUMENTS LIST	12
4.1.3 TEST PROCEDURE	13
4.1.4 DEVIATION FROM TEST STANDARD	13
4.1.5 TEST SETUP	13
4.1.6 TEST RESULTS	13
4.2 RADIATED EMISSION MEASUREMENT	22
4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	22
4.2.2 MEASUREMENT INSTRUMENTS LIST	23
4.2.3 TEST PROCEDURE	24
4.2.4 DEVIATION FROM TEST STANDARD	24
4.2.5 TEST SETUP	25
4.2.6 TEST RESULTS-BELOW 1GHZ	25
4.2.7 TEST RESULTS-ABOVE 1GHZ	34
<b>5 . EUT TEST PHOTO</b>	<b>43</b>

### REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICE-1-1806C005	Original Issue.	Jul. 23, 2018

## 1. CERIFICATION

Equipment : LCD Monitor  
Brand Name : N/A  
Model Name : \*\*32G1\*\*\*\*\* (\*=A-Z,a-z,0-9,/,or blank)  
Applicant : TPV Electronics (Fujian) Co., Ltd.  
Date of Test : Jun. 25, 2018 ~ Jul. 18, 2018  
Test Sample : Engineering Sample No.: D180605122(Mainboard 2),  
D180605123(Mainboard 1)  
Standard(s) : FCC Part 15, Subpart B  
ICES-003 Issue 6: 2016  
ICES-003 Issue 6, January 2016 (updated April 2017)  
ANSI C63.4-2014

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FICE-1-1806C005) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

EMC Emission				
Standard(s)	Test Item	Limit	Judgment	Remark
FCC Part15, Subpart B ICES-003 Issue 6: 2016 ICES-003 Issue 6, January 2016 (updated April 2017) ANSI C63.4-2014	Conducted Emission	Class B	PASS	
	Radiated emission Below 1 GHz	Class B	PASS	
	Radiated emission Above 1 GHz	Class B	PASS	NOTE(2)

NOTE:

- (1) " N/A" denotes test is not applicable to this device.
- (2) The EUT's max operating frequency exceeds 108 MHz, so the test will be performed.

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm number for FCC: 854385

BTL's test designation number for FCC:CN5020

BTL's test firm number for IC:4428B-3

## 2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2  $U_{CISPR}$  requirement.

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

### A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C01	CISPR	150 kHz ~ 30MHz	3.16

### B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB08 (3m)	CISPR	30MHz ~ 200MHz	V	4.68
		30MHz ~ 200MHz	H	4.68
		200MHz ~ 1,000MHz	V	4.90
		200MHz ~ 1,000MHz	H	4.90

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-CB08 (3m)	CISPR	1 ~ 6 GHz	4.26
		6 ~ 18 GHz	5.30

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	LCD Monitor
Brand Name	N/A
Model Name	**32G1***** (*=A-Z,a-z,0-9,/ ,or blank)
Model Difference(s)	Only differ in model name due to marketing purpose.
Power Source	AC Mains.
Power Rating	100-240V~ 50/60Hz
Connecting I/O Port	For mainboard 1: 1* AC port 2* HDMI port 1* Display port 1* D-SUB port 1* Earphone port For mainboard 2: 1* AC port 2* HDMI port 1* Display port 1* Earphone port

Cable Type	Shielded Type	Ferrite Core	Length(m)	Note
D-SUB	Shielded	YES	1.2/1.5/1.8	Bonded two Ferrite Cores
Display	Shielded	NO	1.2/1.5/1.8	
HDMI	Shielded	NO	1.2/1.5/1.8	
AC Power Cord	Non-shielded	NO	1.2/1.5/1.8	1.8m is worst case Detachable (3 Pin)

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. Power cable 1.8m, 1.5m and 1.2m length, worst case is Power cable 1.8m with Display+HDMI+D-SUB 1.8m length testing and recording in test report.



### 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Display 1920*1080/144Hz
Mode 2	D-SUB 1920*1080/60Hz
Mode 3	HDMI 1 1920*1080/144Hz
Mode 4	HDMI 2 1920*1080/144Hz
Mode 5	HDMI 1 1080P
Mode 6	HDMI 2 1080P
Mode 7	HDMI 2 1280*1024/75Hz
Mode 8	HDMI 2 640*480/75Hz

For Conducted Test	
Final Test Mode	Description
Mode 2	D-SUB 1920*1080/60Hz
Mode 4	HDMI 2 1920*1080/144Hz
Mode 6	HDMI 2 1080P

For Radiated Test	
Final Test Mode	Description
Mode 2	D-SUB 1920*1080/60Hz
Mode 4	HDMI 2 1920*1080/144Hz
Mode 6	HDMI 2 1080P

Evaluation description:

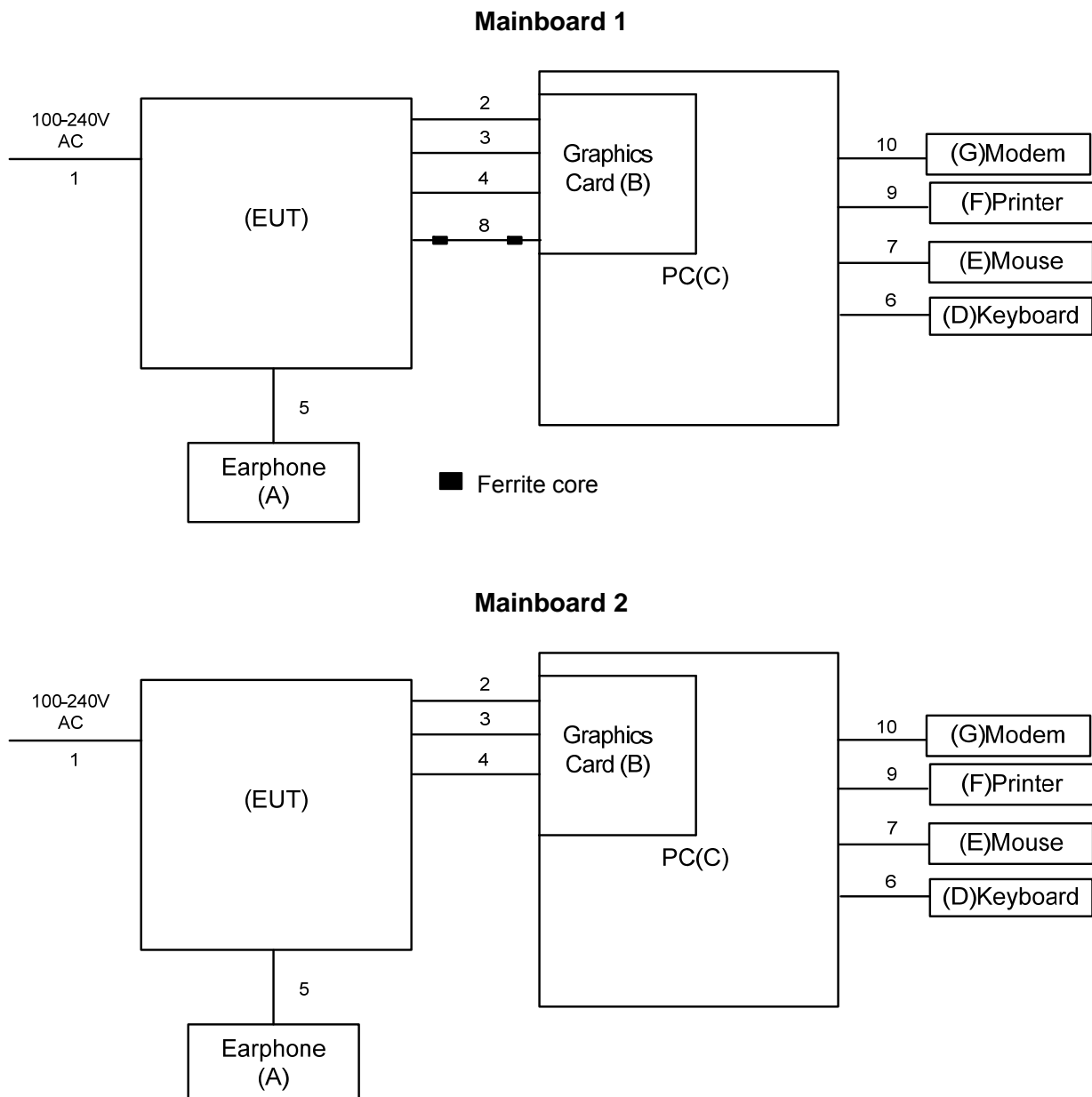
1. The maximum resolution is evaluated Mode 1-6. The worst case is Mode 4 and evaluated the middle and low resolution Mode 7 and mode 8.
2. According to the client's requirement, choose Mode 2, Mode 4 and Mode 6 recording in test report.
3. Mainboard 2 evaluated mainboard 1's worst case and recorded in test report. Mode 2 is only for mainboard 1.

### 3.3 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The standard test signals and output signal as following:

1. EUT connected to PC via Display & HDMI & D-SUB cable.
2. EUT connected to earphone via earphone cable.
3. PC connected to mouse and keyboard via USB cable.
4. PC connected to printer via parallel cable.
5. PC connected to modem via RS232 cable.

### 3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Earphone	Apple	N/A	VER	N/A
B	Graphics Card	DELL	ATI 3650	DOC	260832000932
C	PC	DELL	Vostro 470	DOC	28747261333
D	Keyboard	DELL	KB212-B	DOC	CN0HTXH97158125004 DXA01
E	Mouse	DELL	MS111-P	DOC	CN011D3V71581279OL OT
F	Printer	SII	DPU-414	DOC	3018507 B
G	Modem	ACEEX	DM-1414V	IFAXDM1414	0603002131

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.8m/1.5m/1.2m	AC Cable
2	YES	NO	1.8m/1.5m/1.2m	HDMI Cable
3	YES	NO	1.8m/1.5m/1.2m	HDMI Cable
4	YES	NO	1.8m/1.5m/1.2m	Display Cable
5	NO	NO	1.2m	Earphone Cable
6	YES	NO	1.8m	USB Cable
7	YES	NO	1.8m	USB Cable
8	YES	YES	1.8m/1.5m/1.2m	D-SUB Cable
9	YES	NO	1.8m	Parallel Cable
10	YES	NO	1.8m	RS232 Cable

## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 POWER LINE CONDUCTED EMISSION (FREQUENCY RANGE 150KHZ-30MHZ)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)  
 Margin Level = Measurement Value - Limit Value

#### 4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 11, 2019
2	TWO-LINE V-NETWORK	R&S	ENV216	100526	Mar. 11, 2019
3	EMI Test Receiver	R&S	ESR3	101862	Aug. 15, 2018
4	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Aug. 20, 2018
5	Cable	N/A	RG400 12m	N/A	Mar. 06, 2019
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A 1-01	N/A	N/A

Remark: "N/A" denotes no model name, serial no. or calibration specified.  
 All calibration period of equipment list is one year.

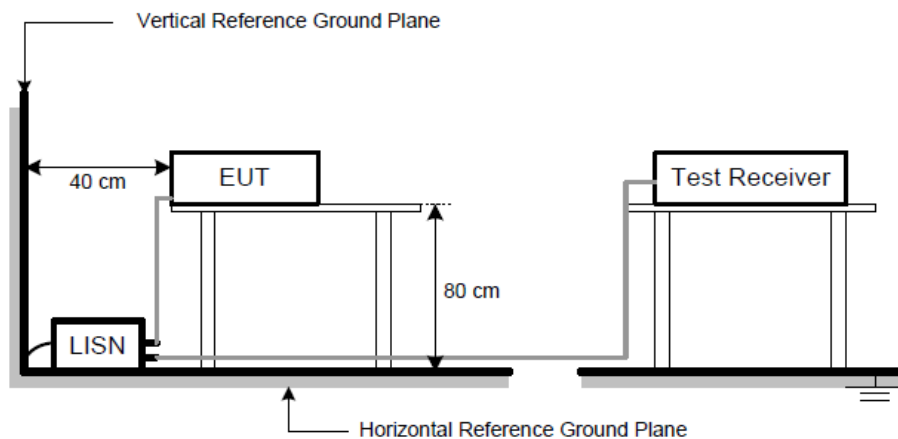
### 4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.
- f. First the whole spectrum of emission caused by equipment under test(EUT) is recorded with Detector set to peak. Peak value recorded in table if the margin from QP Limit is larger than 2dB, otherwise, QP value is recorded, Measuring frequency range from 150KHz to 30MHz.

### 4.1.4 DEVIATION FROM TEST STANDARD

No deviation

### 4.1.5 TEST SETUP

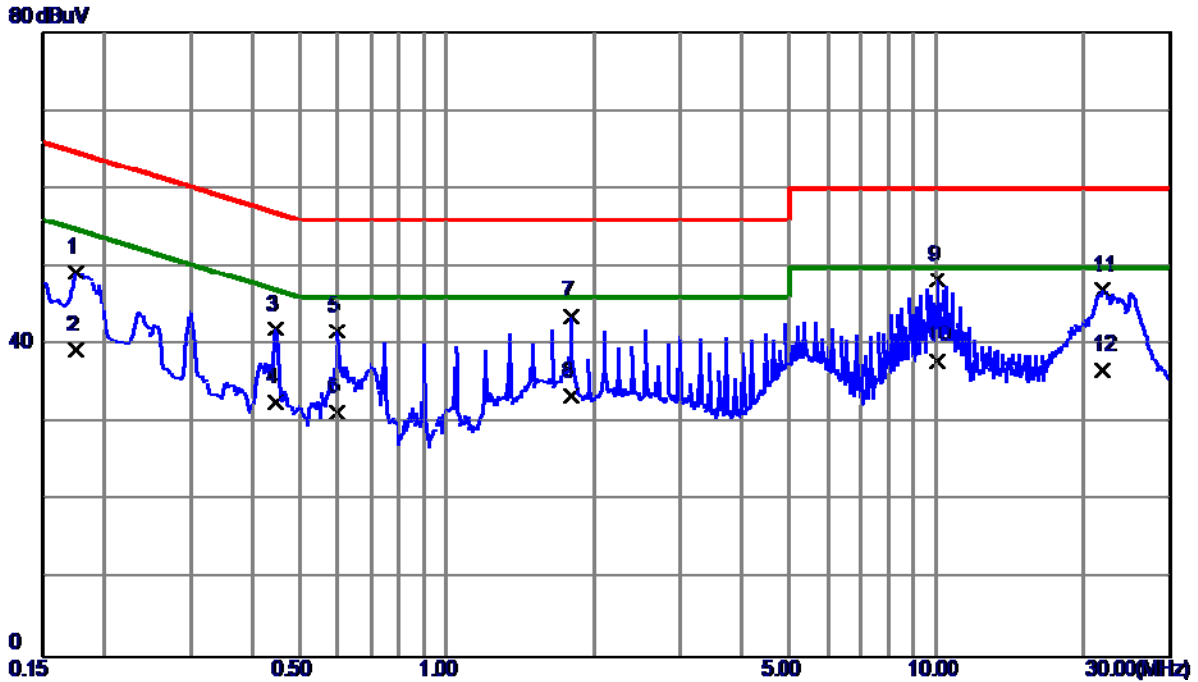


### 4.1.6 TEST RESULTS

#### Remark

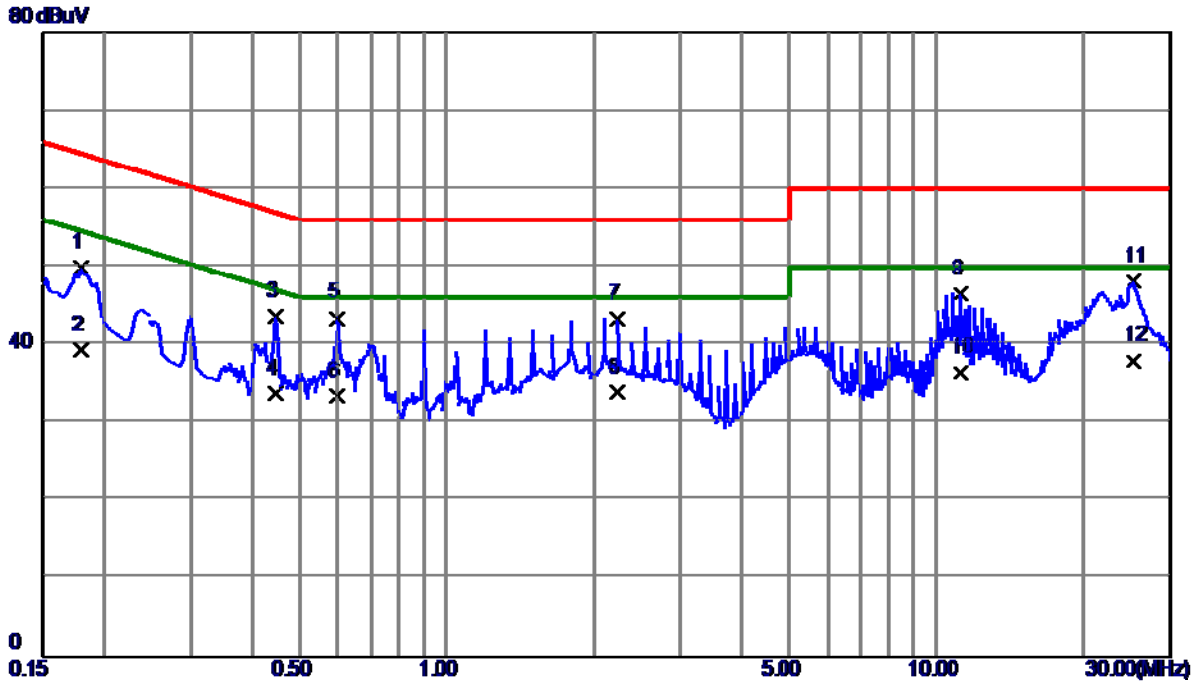
- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz ; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 sec./MHz.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “ \* ” marked in AVG Mode column of Interference Voltage Measured.

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



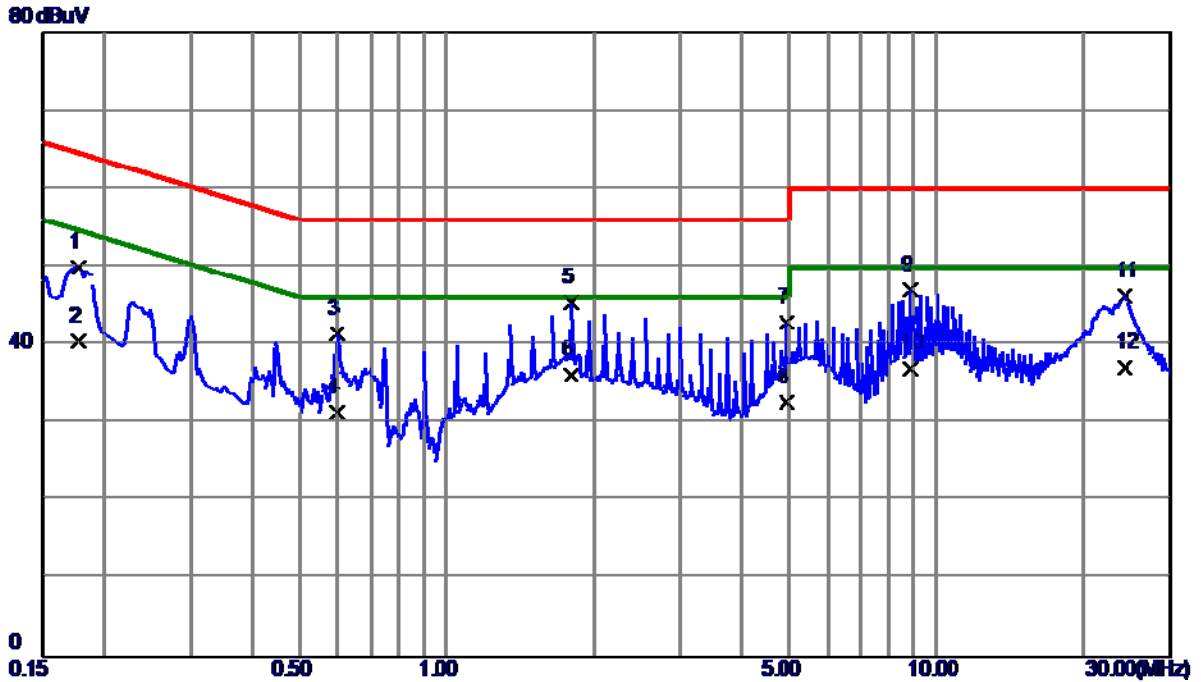
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1748	39.40	9.82	49.22	64.73	-15.51	QP
2	0.1748	29.50	9.82	39.32	54.73	-15.41	AVG
3	0.4492	32.13	9.87	42.00	56.89	-14.89	QP
4	0.4492	22.80	9.87	32.67	46.89	-14.22	AVG
5	0.5977	31.82	9.89	41.71	56.00	-14.29	QP
6	0.5977	21.40	9.89	31.29	46.00	-14.71	AVG
7	1.7948	33.69	9.98	43.67	56.00	-12.33	QP
8	1.7948	23.41	9.98	33.39	46.00	-12.61	AVG
9 *	10.0229	37.80	10.50	48.30	60.00	-11.70	QP
10	10.0229	27.50	10.50	38.00	50.00	-12.00	AVG
11	21.8693	35.89	11.18	47.07	60.00	-12.93	QP
12	21.8693	25.60	11.18	36.78	50.00	-13.22	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1793	39.96	9.91	49.87	64.52	-14.65	QP
2	0.1793	29.51	9.91	39.42	54.52	-15.10	AVG
3	0.4492	33.73	10.02	43.75	56.89	-13.14	QP
4	0.4492	23.69	10.02	33.71	46.89	-13.18	AVG
5	0.6000	33.40	10.04	43.44	56.00	-12.56	QP
6	0.6000	23.40	10.04	33.44	46.00	-12.56	AVG
7	2.2425	33.23	10.20	43.43	56.00	-12.57	QP
8	2.2425	23.70	10.20	33.90	46.00	-12.10	AVG
9	11.2200	35.75	10.84	46.59	60.00	-13.41	QP
10	11.2200	25.60	10.84	36.44	50.00	-13.56	AVG
11 *	25.2330	36.66	11.51	48.17	60.00	-11.83	QP
12	25.2330	26.49	11.51	38.00	50.00	-12.00	AVG

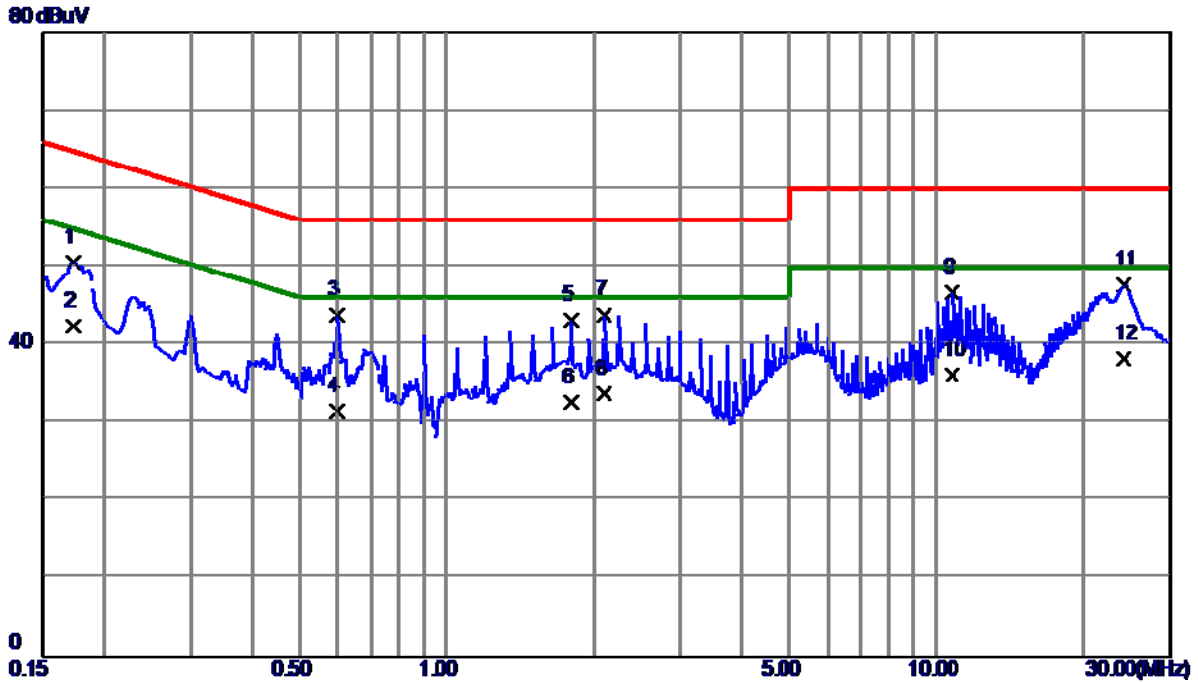
EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1770	40.16	9.82	49.98	64.63	-14.65	QP
2	0.1770	30.61	9.82	40.43	54.63	-14.20	AVG
3	0.6000	31.55	9.89	41.44	56.00	-14.56	QP
4	0.6000	21.50	9.89	31.39	46.00	-14.61	AVG
5	1.7990	35.43	9.98	45.41	56.00	-10.59	QP
6 *	1.7992	26.22	9.98	36.20	46.00	-9.80	AVG
7	4.9470	32.61	10.20	42.81	56.00	-13.19	QP
8	4.9470	22.50	10.20	32.70	46.00	-13.30	AVG
9	8.8462	36.63	10.44	47.07	60.00	-12.93	QP
10	8.8462	26.51	10.44	36.95	50.00	-13.05	AVG
11	24.2452	35.14	11.16	46.30	60.00	-13.70	QP
12	24.2452	25.90	11.16	37.06	50.00	-12.94	AVG

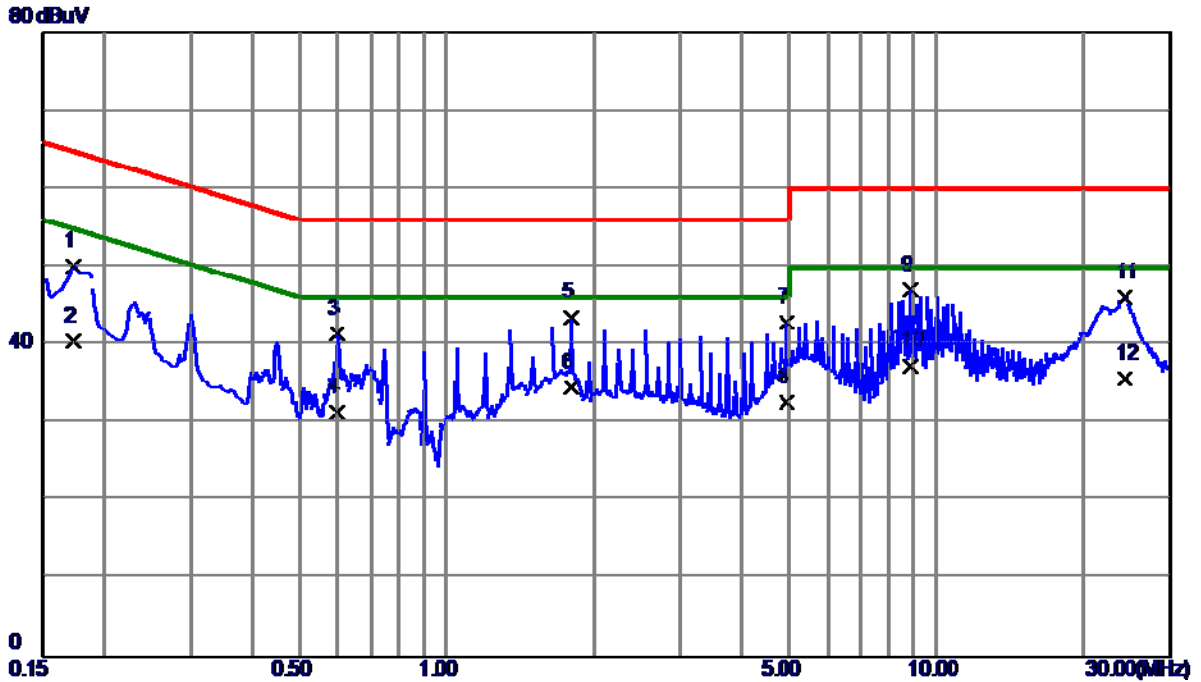


EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



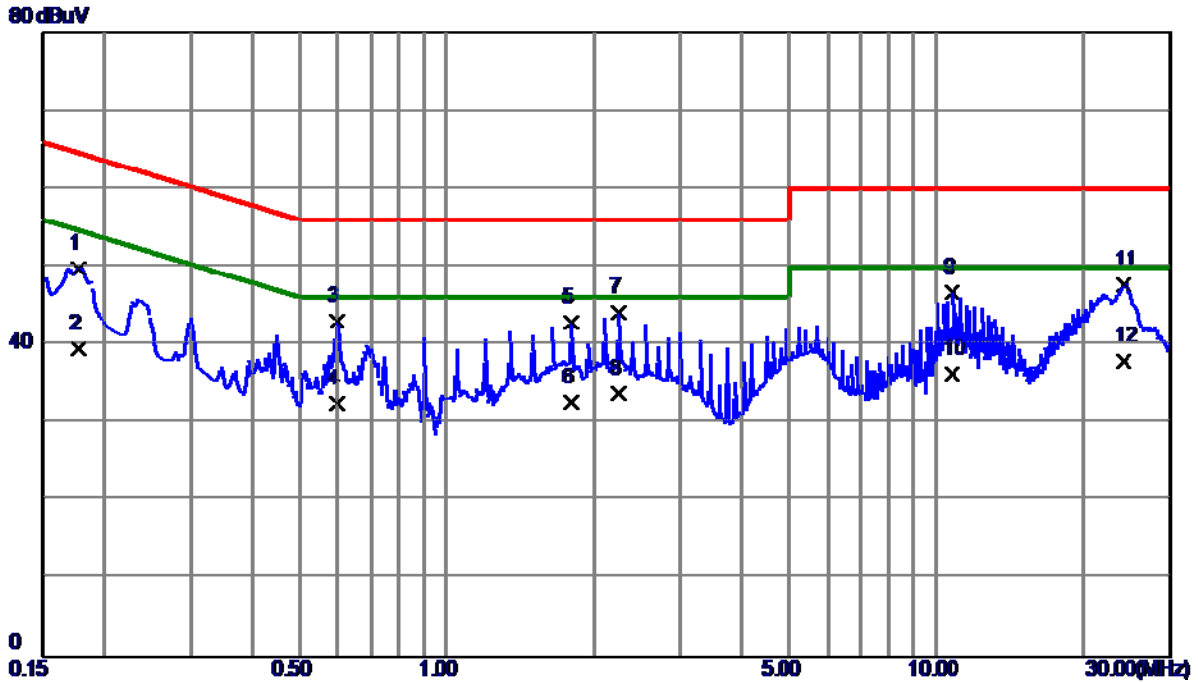
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1	0.1725	40.60	9.91	50.51	64.84	-14.33	QP
2	0.1725	32.50	9.91	42.41	54.84	-12.43	AVG
3	0.6000	33.73	10.04	43.77	56.00	-12.23	QP
4	0.6000	21.50	10.04	31.54	46.00	-14.46	AVG
5	1.7992	32.98	10.18	43.16	56.00	-12.84	QP
6	1.7992	22.50	10.18	32.68	46.00	-13.32	AVG
7	2.0985	33.58	10.19	43.77	56.00	-12.23	QP
8	2.0985	23.50	10.19	33.69	46.00	-12.31	AVG
9	10.7947	35.98	10.81	46.79	60.00	-13.21	QP
10	10.7947	25.40	10.81	36.21	50.00	-13.79	AVG
11	24.1822	36.14	11.50	47.64	60.00	-12.36	QP
12 *	24.1822	26.71	11.50	38.21	50.00	-11.79	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 2 1080P		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



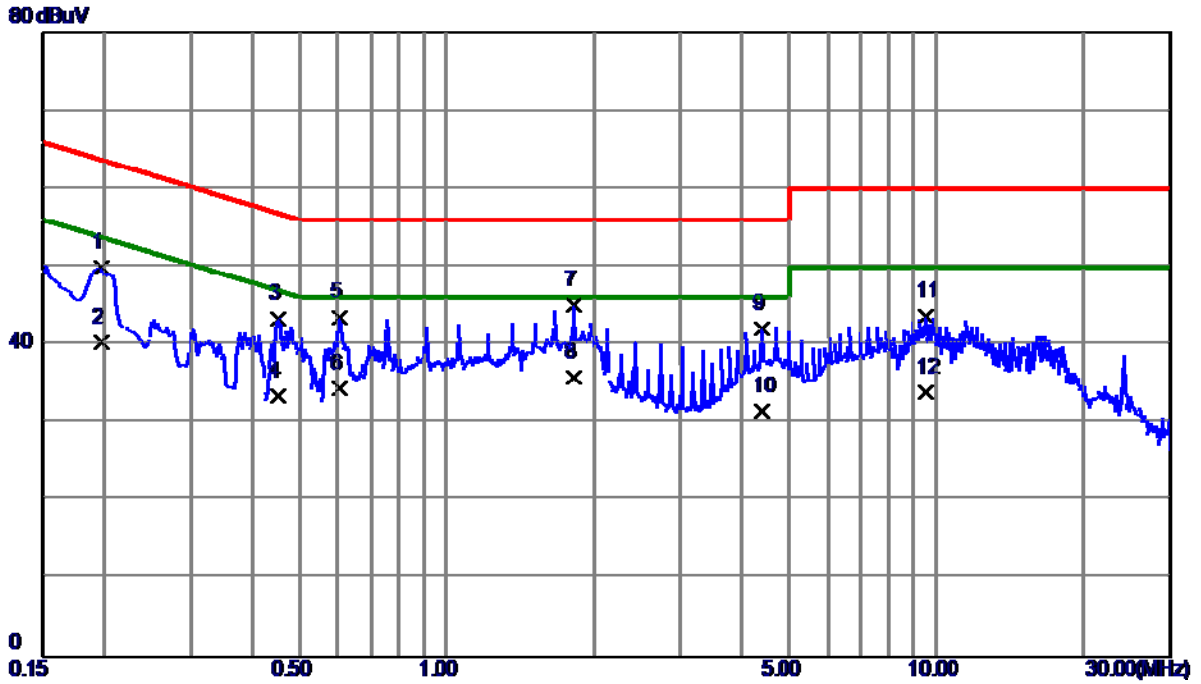
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1725	40.29	9.82	50.11	64.84	-14.73	QP
2	0.1725	30.60	9.82	40.42	54.84	-14.42	AVG
3	0.6000	31.55	9.89	41.44	56.00	-14.56	QP
4	0.6000	21.50	9.89	31.39	46.00	-14.61	AVG
5	1.7992	33.52	9.98	43.50	56.00	-12.50	QP
6 *	1.7992	24.51	9.98	34.49	46.00	-11.51	AVG
7	4.9470	32.69	10.20	42.89	56.00	-13.11	QP
8	4.9470	22.50	10.20	32.70	46.00	-13.30	AVG
9	8.8440	36.62	10.44	47.06	60.00	-12.94	QP
10	8.8440	26.81	10.44	37.25	50.00	-12.75	AVG
11	24.2047	34.98	11.16	46.14	60.00	-13.86	QP
12	24.2047	24.50	11.16	35.66	50.00	-14.34	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 2 1080P		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



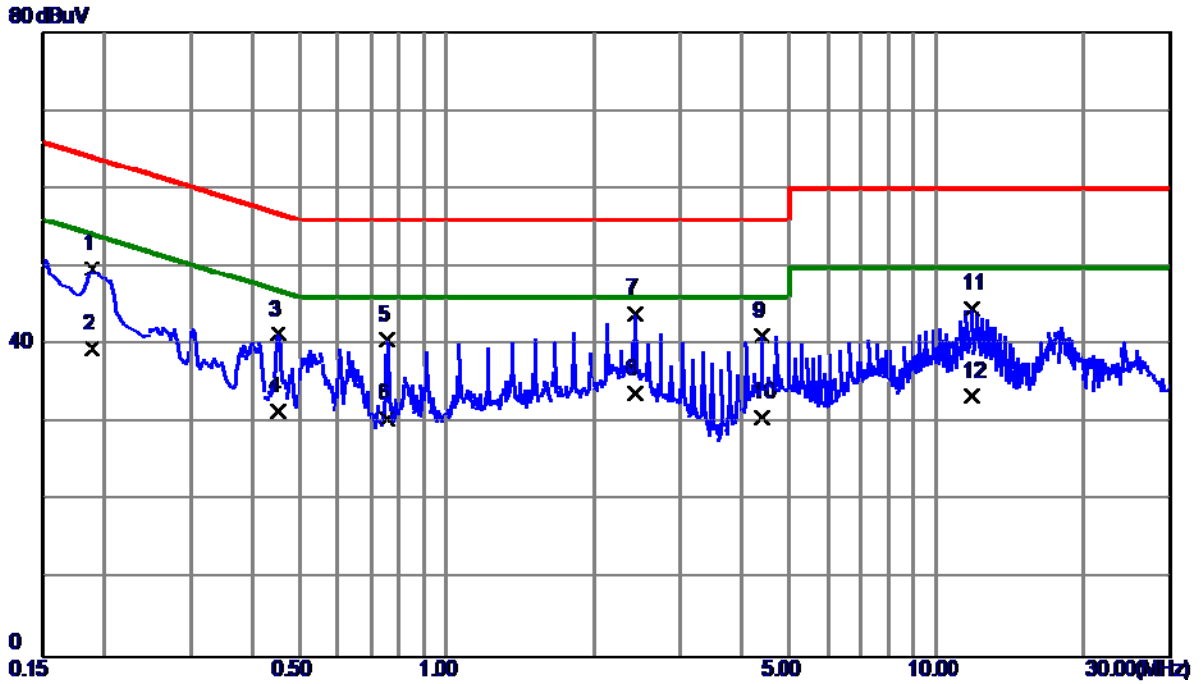
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1	0.1770	39.92	9.91	49.83	64.63	-14.80	QP
2	0.1770	29.61	9.91	39.52	54.63	-15.11	AVG
3	0.6000	32.99	10.04	43.03	56.00	-12.97	QP
4	0.6000	22.50	10.04	32.54	46.00	-13.46	AVG
5	1.7992	32.75	10.18	42.93	56.00	-13.07	QP
6	1.7992	22.50	10.18	32.68	46.00	-13.32	AVG
7 *	2.2492	33.91	10.20	44.11	56.00	-11.89	QP
8	2.2492	23.60	10.20	33.80	46.00	-12.20	AVG
9	10.7947	35.92	10.81	46.73	60.00	-13.27	QP
10	10.7947	25.50	10.81	36.31	50.00	-13.69	AVG
11	24.1125	36.24	11.50	47.74	60.00	-12.26	QP
12	24.1125	26.40	11.50	37.90	50.00	-12.10	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 2		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1973	40.02	9.82	49.84	63.72	-13.88	QP
2	0.1973	30.50	9.82	40.32	53.72	-13.40	AVG
3	0.4537	33.52	9.88	43.40	56.81	-13.41	QP
4	0.4537	23.50	9.88	33.38	46.81	-13.43	AVG
5	0.6045	33.59	9.89	43.48	56.00	-12.52	QP
6	0.6045	24.50	9.89	34.39	46.00	-11.61	AVG
7	1.8173	35.09	9.98	45.07	56.00	-10.93	QP
8 *	1.8173	25.91	9.98	35.89	46.00	-10.11	AVG
9	4.3912	31.97	10.16	42.13	56.00	-13.87	QP
10	4.3912	21.41	10.16	31.57	46.00	-14.43	AVG
11	9.5393	33.26	10.48	43.74	60.00	-16.26	QP
12	9.5393	23.50	10.48	33.98	50.00	-16.02	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 2		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1883	39.80	9.91	49.71	64.11	-14.40	QP
2	0.1883	29.60	9.91	39.51	54.11	-14.60	AVG
3	0.4537	31.34	10.02	41.36	56.81	-15.45	QP
4	0.4537	21.51	10.02	31.53	46.81	-15.28	AVG
5	0.7575	30.62	10.08	40.70	56.00	-15.30	QP
6	0.7575	20.51	10.08	30.59	46.00	-15.41	AVG
7 *	2.4224	33.78	10.21	43.99	56.00	-12.01	QP
8	2.4224	23.50	10.21	33.71	46.00	-12.29	AVG
9	4.3912	30.78	10.36	41.14	56.00	-14.86	QP
10	4.3912	20.41	10.36	30.77	46.00	-15.23	AVG
11	11.8118	33.83	10.88	44.71	60.00	-15.29	QP
12	11.8118	22.49	10.88	33.37	50.00	-16.63	AVG

## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

#### Below 1 GHz

##### Measurement Method and Applied Limits:

##### ANSI C63.4:

Frequency (MHz)	Class A (at 10m)		Class B (at 3m)	
	(uV/m) Field strength	(dBuV/m) Field strength	(uV/m) Field strength	(dBuV/m) Field strength
30 - 88	90	39	100	40
88 - 216	150	43.5	150	43.5
216 - 960	210	46.4	200	46
Above 960	300	49.5	500	54

#### Above 1 GHz

##### Measurement Method and Applied Limits:

##### ANSI C63.4:

Frequency (MHz)	Class A				Class B	
	(dBuV/m) (at 3m)		(dBuV/m) (at 10m)		(dBuV/m) (at 3m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1000	80	60	69.5	49.5	74	54

### FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower

#### NOTE:

- (1) The limit for radiated test was performed according to as following:  
FCC Part 15, Subpart B; ICES-003 Issue 6, January 2016 (updated April 2017).
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m).  
3m Emission level = 10m Emission level + 20log(10m/3m).
- (4) The test result calculated as following:  
Measurement Value = Reading Level + Correct Factor  
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
Margin Level = Measurement Value - Limit Value

#### 4.2.2 MEASUREMENT INSTRUMENTS LIST

##### Below 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Attenuator	SHX	TS2-6dB-6G-A	16101101	Nov. 09, 2018
2	Attenuator	SHX	TS2-6dB-6G-A	16101102	Jan. 04, 2019
3	Receiver	Keysight	N9038A	MY54450004	Aug. 15, 2018
4	MXE EMI Receiver	Agilent	N9038A	MY53220133	Mar. 11, 2019
5	Pre-Amplifier	Mini-Circuits	EMC 9135	980284	Mar. 11, 2019
6	Pre-Amplifier	Mini-Circuits	EMC 9135	980283	Mar. 11, 2019
7	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	586	Nov. 09, 2018
8	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	587	Jan. 04, 2019
9	Cable	emci	LMR-400(5m+11m+15m)	N/A	Nov. 01, 2019
10	Cable	emci	LMR-400(5m+8m+15m)	N/A	Nov. 01, 2019
11	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A
12	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.  
All calibration period of equipment list is one year.

##### Above 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Horn Antenna	EMCO	3115	9605-4803	Mar. 11, 2019
2	Amplifier	Agilent	8449B	3008A02584	Aug. 20, 2018
3	MXE EMI Receiver	Agilent	N9038A	MY53220133	Mar. 11, 2019
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A
5	Cable	emci	SUCOFLEX_15m_5m(0.01GHz – 26.5GHz)	N/A	Dec. 26, 2018
6	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
7	Controller	MF	MF-7802	MF780208159	N/A

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.  
All calibration period of equipment list is one year.

#### 4.2.3 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item - Block Diagram of system tested (please refer to 3.3).

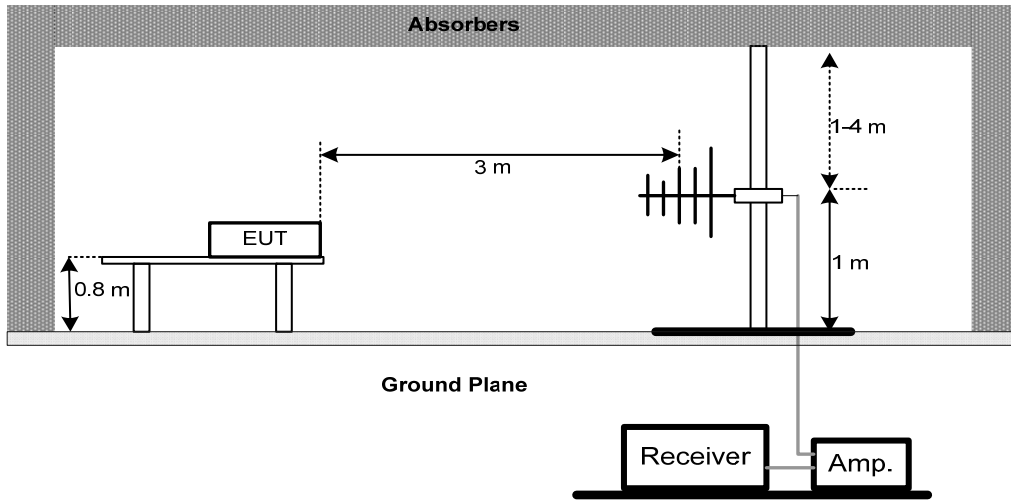
#### 4.2.4 DEVIATION FROM TEST STANDARD

No deviation

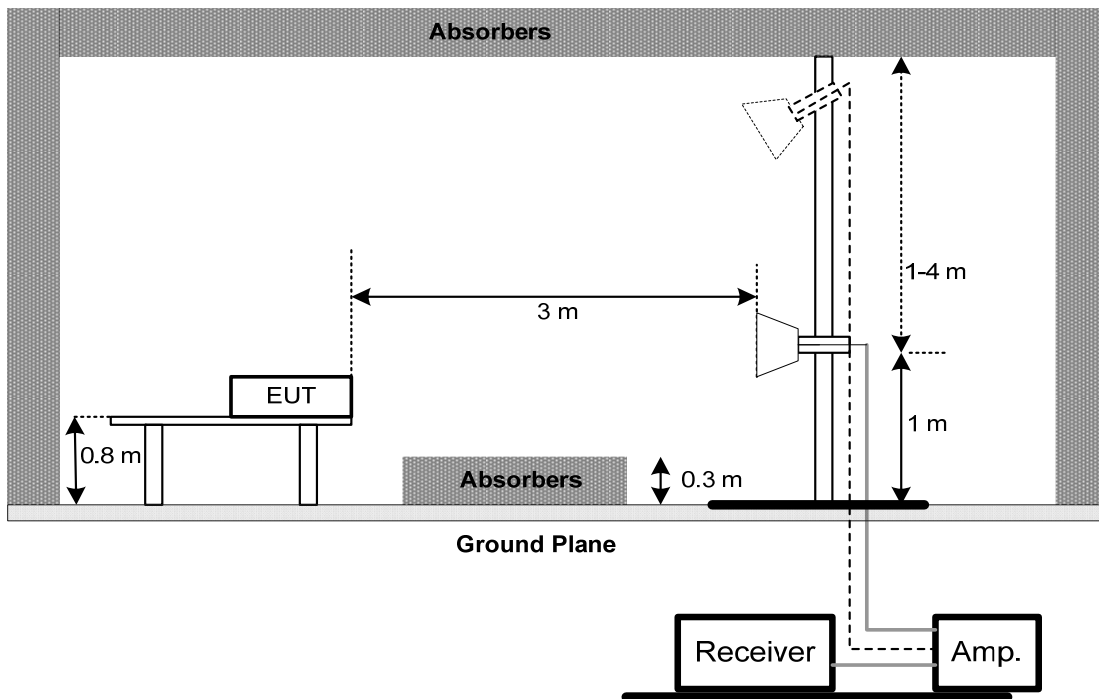


### 4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz

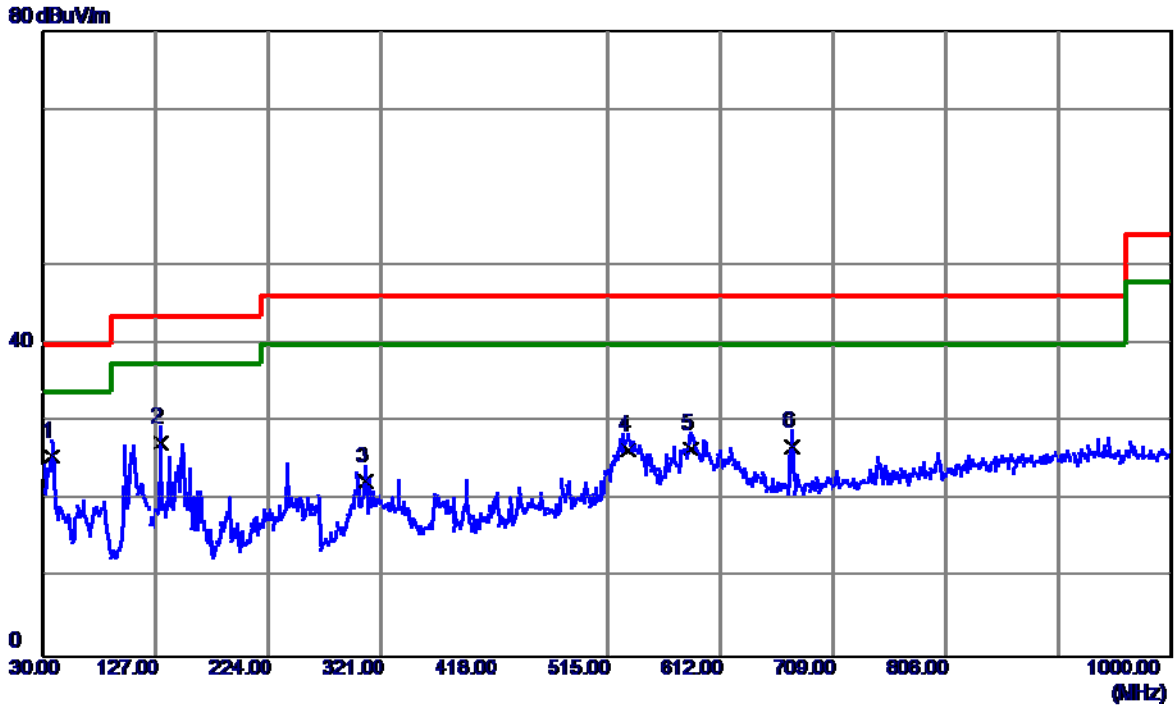


### 4.2.6 TEST RESULTS-BELOW 1GHZ

Remark :

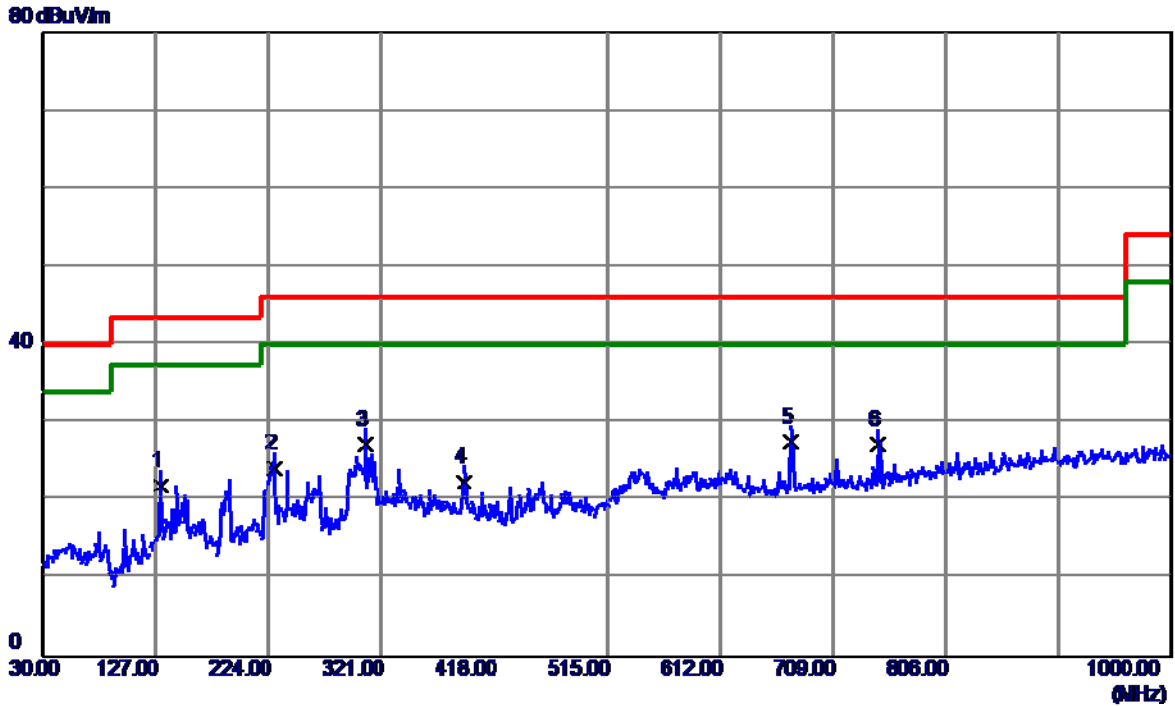
- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz.
- (3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



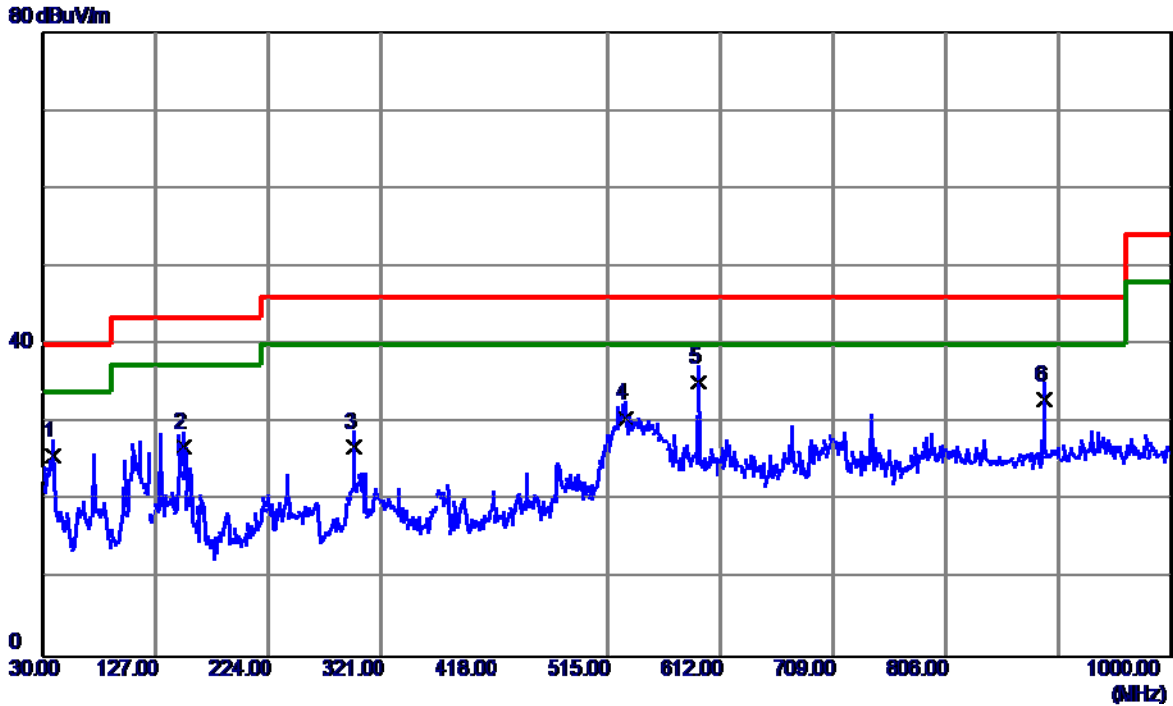
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	37.7599	44.04	-18.40	25.64	40.00	-14.36	QP
2	131.3650	45.15	-17.72	27.43	43.50	-16.07	QP
3	306.9350	37.44	-15.07	22.37	46.00	-23.63	QP
4	532.9450	36.76	-10.35	26.41	46.00	-19.59	QP
5	587.2650	35.71	-9.15	26.56	46.00	-19.44	QP
6	674.5650	35.14	-8.25	26.89	46.00	-19.11	QP

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



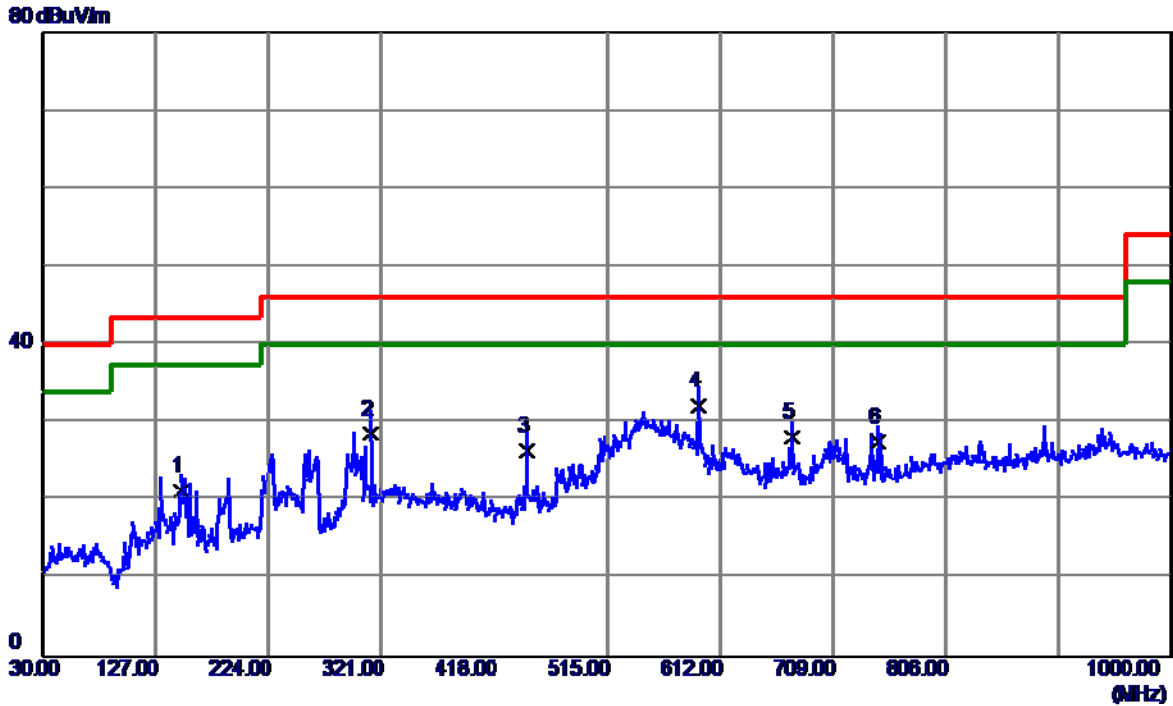
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	131.3650	39.59	-17.72	21.87	43.50	-21.63	QP
2	229.3350	41.98	-17.82	24.16	46.00	-21.84	QP
3	306.9350	42.25	-15.07	27.18	46.00	-18.82	QP
4	392.2950	35.58	-13.12	22.46	46.00	-23.54	QP
5 *	673.5949	35.79	-8.26	27.53	46.00	-18.47	QP
6	748.2849	34.47	-7.29	27.18	46.00	-18.82	QP

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



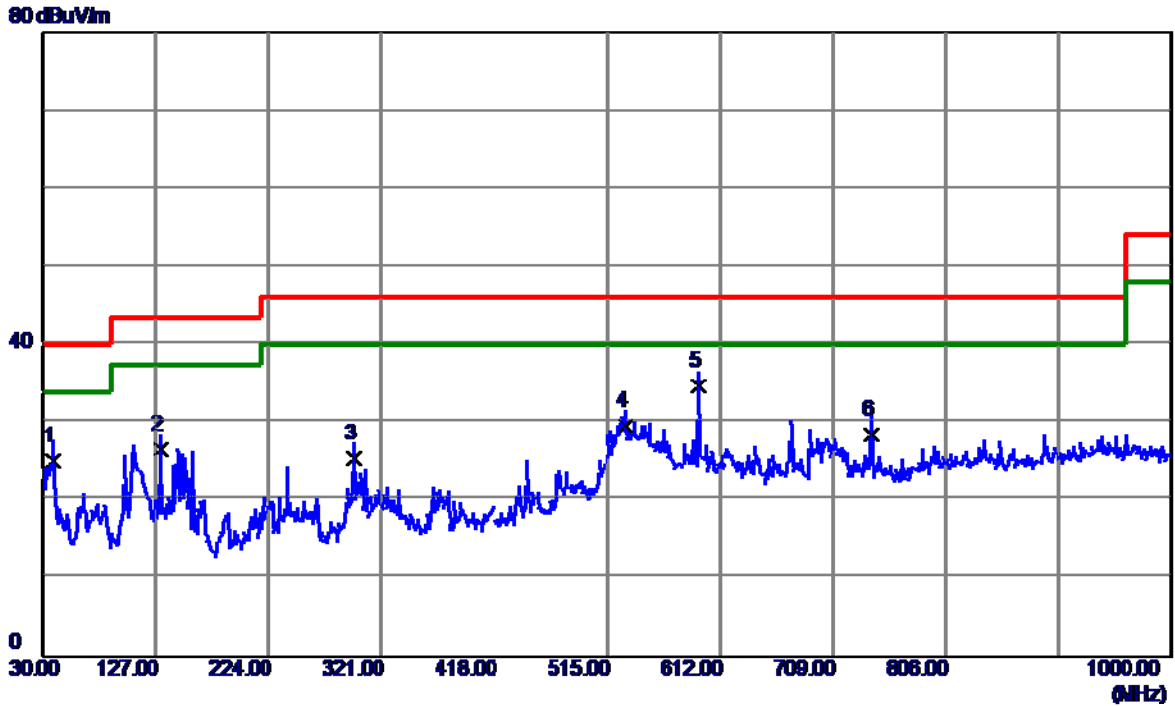
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	38.2450	44.03	-18.32	25.71	40.00	-14.29	QP
2	150.2800	43.42	-16.58	26.84	43.50	-16.66	QP
3	297.2349	42.15	-15.29	26.86	46.00	-19.14	QP
4	531.0050	40.94	-10.39	30.55	46.00	-15.45	QP
5 *	594.0550	44.24	-9.00	35.24	46.00	-10.76	QP
6	890.8750	37.85	-4.84	33.01	46.00	-12.99	QP

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	148.3400	37.98	-16.64	21.34	43.50	-22.16	QP
2	311.3000	43.53	-14.97	28.56	46.00	-17.44	QP
3	445.6450	38.52	-12.08	26.44	46.00	-19.56	QP
4 *	594.0550	41.19	-9.00	32.19	46.00	-13.81	QP
5	674.5650	36.45	-8.25	28.20	46.00	-17.80	QP
6	748.2849	34.83	-7.29	27.54	46.00	-18.46	QP

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 2 1080P		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	38.2450	43.48	-18.32	25.16	40.00	-14.84	QP
2	131.3650	44.22	-17.72	26.50	43.50	-17.00	QP
3	297.2349	40.72	-15.29	25.43	46.00	-20.57	QP
4	531.0050	39.94	-10.39	29.55	46.00	-16.45	QP
5 *	594.0550	43.76	-9.00	34.76	46.00	-11.24	QP
6	742.4650	35.93	-7.38	28.55	46.00	-17.45	QP

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 2 1080P		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	156.5850	38.57	-16.41	22.16	43.50	-21.34	QP
2	227.3950	42.41	-17.93	24.48	46.00	-21.52	QP
3	296.7500	40.05	-15.30	24.75	46.00	-21.25	QP
4	546.5250	39.38	-10.05	29.33	46.00	-16.67	QP
5	742.4650	34.58	-7.38	27.20	46.00	-18.80	QP
6 *	890.8750	38.93	-4.84	34.09	46.00	-11.91	QP

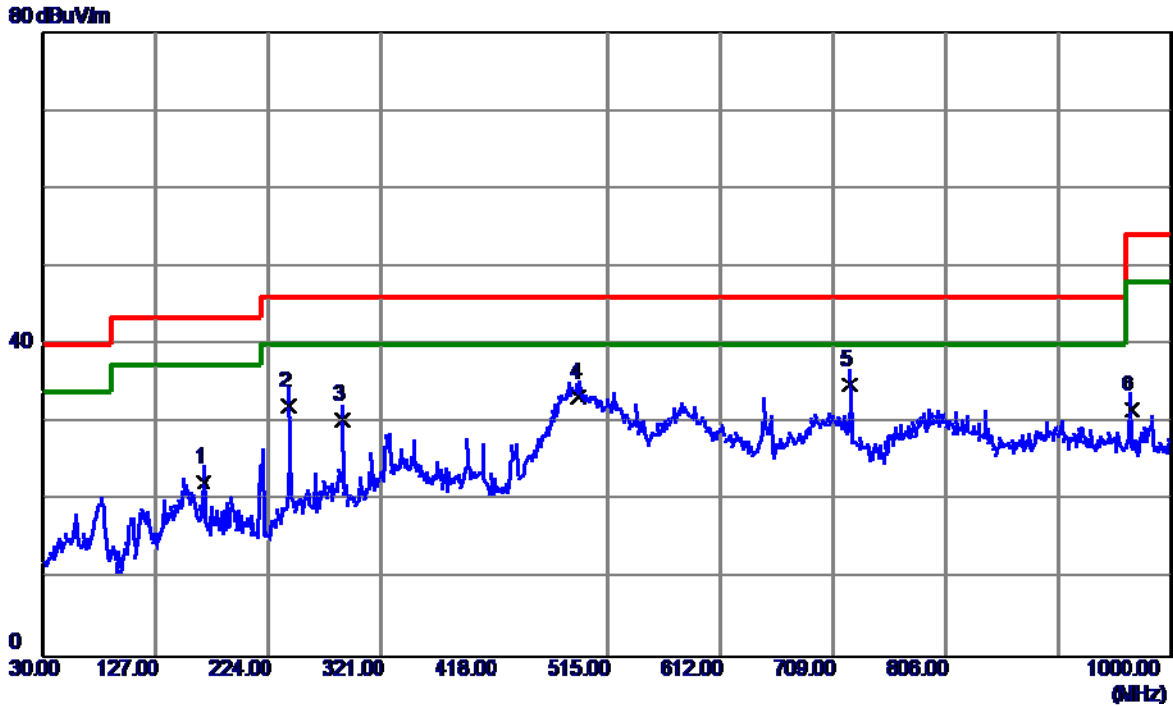
EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 100V/60Hz	Polarization	Vertical
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 2		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	57.6450	46.44	-17.55	28.89	40.00	-11.11	QP
2	241.4600	46.48	-17.15	29.33	46.00	-16.67	QP
3	482.9900	45.86	-11.39	34.47	46.00	-11.53	QP
4	697.3600	39.61	-8.06	31.55	46.00	-14.45	QP
5	839.9500	37.73	-5.75	31.98	46.00	-14.02	QP
6	966.0500	35.39	-3.94	31.45	54.00	-22.55	QP



EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 100V/60Hz	Polarization	Horizontal
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 2		
Test Engineer	Jim Zhang		



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	168.2250	39.19	-16.83	22.36	43.50	-21.14	QP
2	241.4600	49.36	-17.15	32.21	46.00	-13.79	QP
3	288.0200	45.84	-15.50	30.34	46.00	-15.66	QP
4	490.7500	44.51	-11.25	33.26	46.00	-12.74	QP
5 *	724.5200	42.47	-7.66	34.81	46.00	-11.19	QP
6	966.0500	35.59	-3.94	31.65	54.00	-22.35	QP

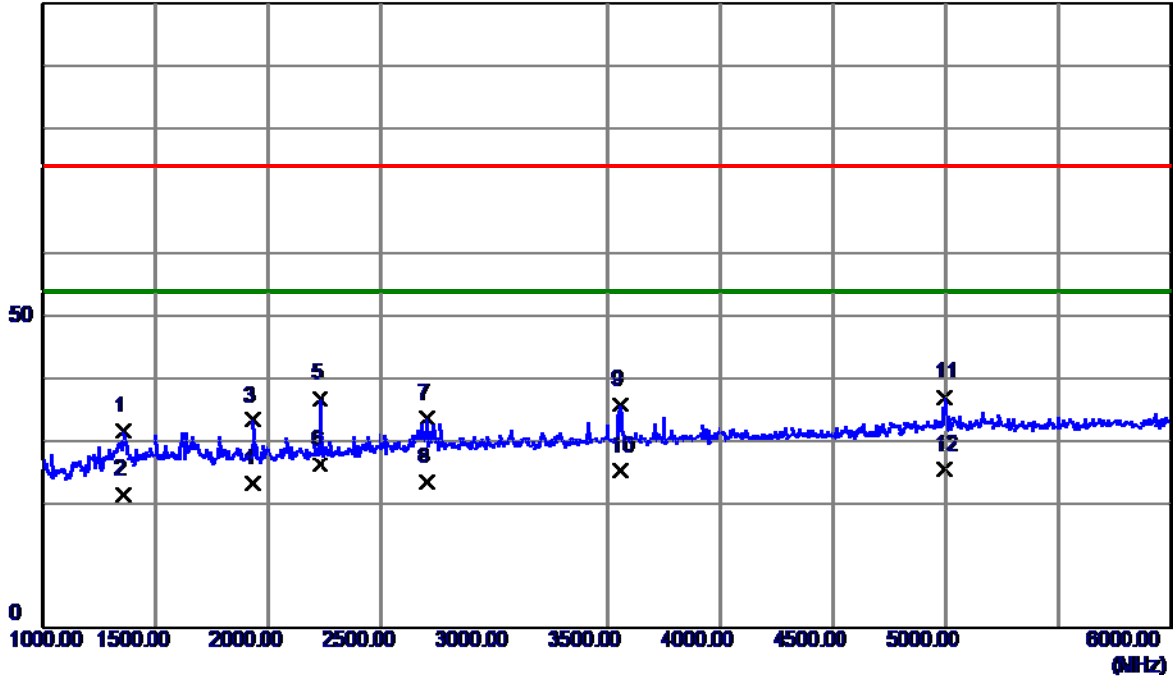
#### 4.2.7 TEST RESULTS-ABOVE 1GHZ

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of『 Note 』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (3) Data of measurement within this frequency range shown “ \* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		

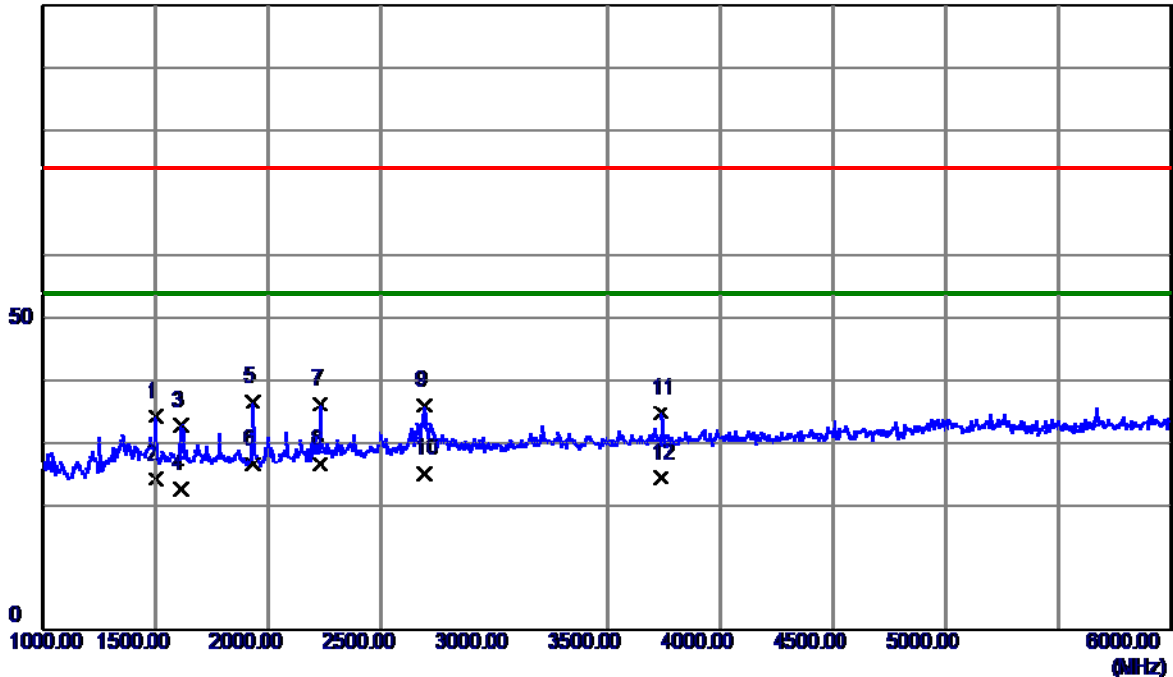
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1355.0000	35.42	-3.86	31.56	74.00	-42.44	Peak
2	1355.0000	25.31	-3.86	21.45	54.00	-32.55	AVG
3	1930.0000	35.31	-2.01	33.30	74.00	-40.70	Peak
4	1930.0000	25.29	-2.01	23.28	54.00	-30.72	AVG
5	2227.5000	37.67	-0.93	36.74	74.00	-37.26	Peak
6 *	2227.5000	27.10	-0.93	26.17	54.00	-27.83	AVG
7	2700.0000	32.88	0.71	33.59	74.00	-40.41	Peak
8	2700.0000	22.74	0.71	23.45	54.00	-30.55	AVG
9	3562.5000	32.35	3.38	35.73	74.00	-38.27	Peak
10	3562.5000	21.80	3.38	25.18	54.00	-28.82	AVG
11	4995.0000	29.53	7.55	37.08	74.00	-36.92	Peak
12	4995.0000	17.81	7.55	25.36	54.00	-28.64	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		

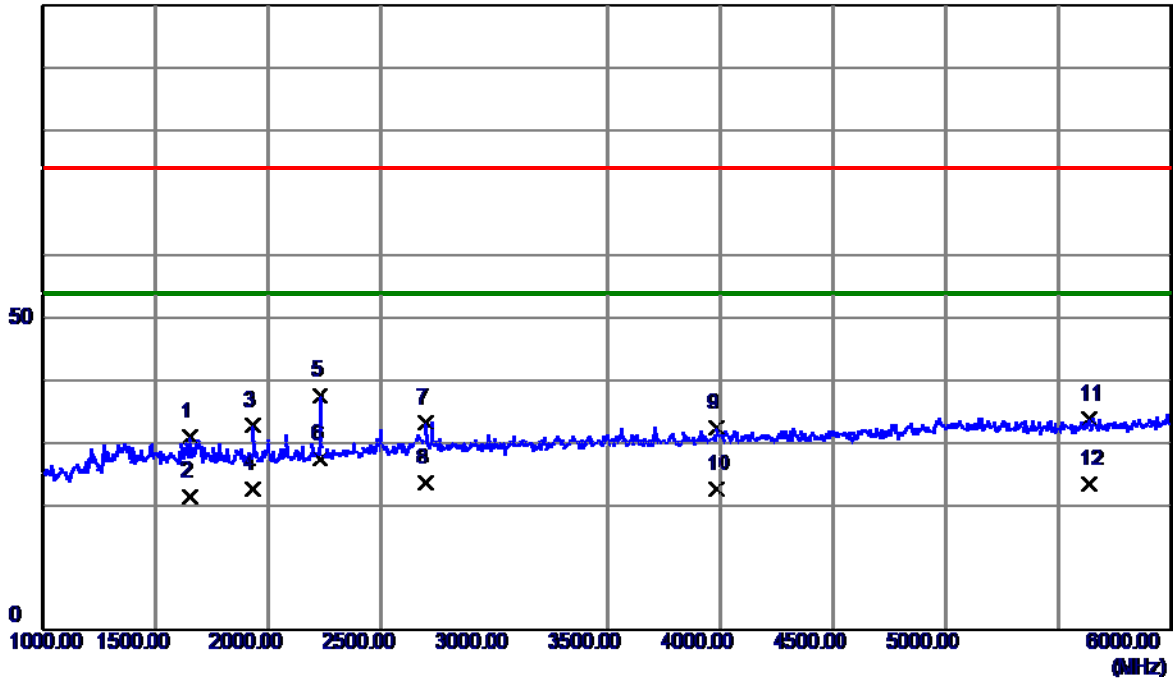
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1497.5000	37.28	-3.02	34.26	74.00	-39.74	Peak
2	1497.5000	27.17	-3.02	24.15	54.00	-29.85	AVG
3	1612.5000	35.61	-2.75	32.86	74.00	-41.14	Peak
4	1612.5000	25.33	-2.75	22.58	54.00	-31.42	AVG
5	1930.0000	38.66	-2.01	36.65	74.00	-37.35	Peak
6 *	1930.0000	28.70	-2.01	26.69	54.00	-27.31	AVG
7	2227.5000	37.20	-0.93	36.27	74.00	-37.73	Peak
8	2227.5000	27.50	-0.93	26.57	54.00	-27.43	AVG
9	2690.0000	35.30	0.69	35.99	74.00	-38.01	Peak
10	2690.0000	24.41	0.69	25.10	54.00	-28.90	AVG
11	3740.0000	30.93	3.90	34.83	74.00	-39.17	Peak
12	3740.0000	20.41	3.90	24.31	54.00	-29.69	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		

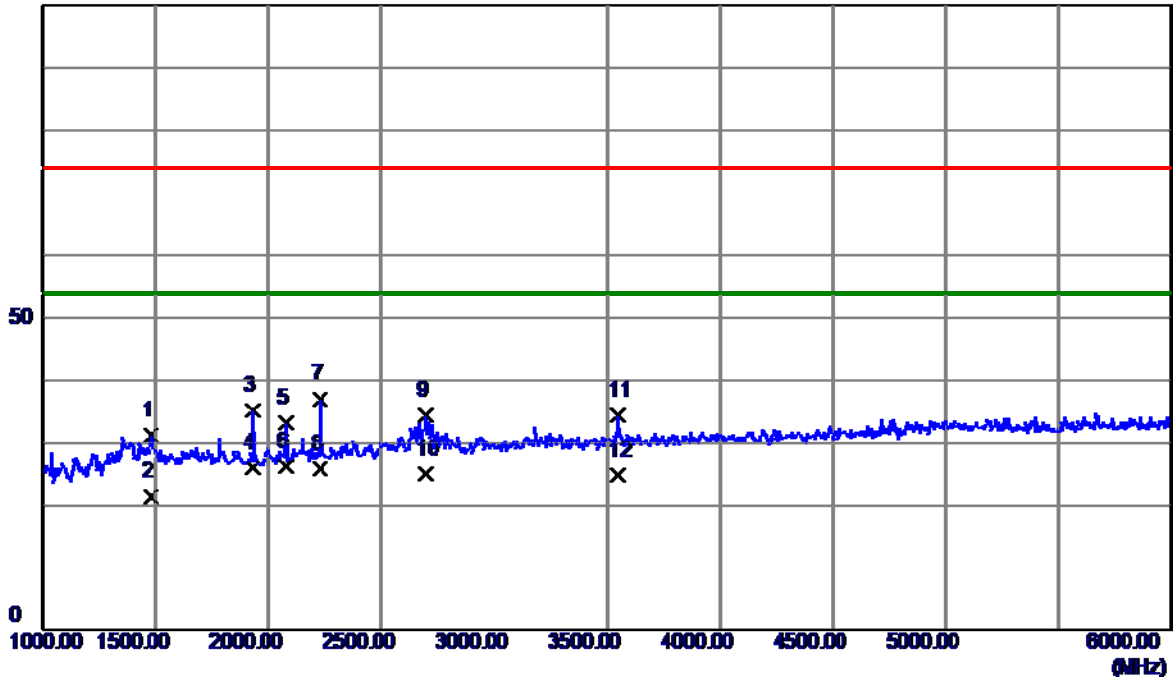
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1650.0000	33.73	-2.66	31.07	74.00	-42.93	Peak
2	1650.0000	24.14	-2.66	21.48	54.00	-32.52	AVG
3	1930.0000	34.75	-2.01	32.74	74.00	-41.26	Peak
4	1930.0000	24.68	-2.01	22.67	54.00	-31.33	AVG
5	2227.5000	38.60	-0.93	37.67	74.00	-36.33	Peak
6 *	2227.5000	28.41	-0.93	27.48	54.00	-26.52	AVG
7	2695.0000	32.42	0.70	33.12	74.00	-40.88	Peak
8	2695.0000	22.98	0.70	23.68	54.00	-30.32	AVG
9	3982.5000	27.84	4.61	32.45	74.00	-41.55	Peak
10	3982.5000	17.97	4.61	22.58	54.00	-31.42	AVG
11	5640.0000	25.56	8.28	33.84	74.00	-40.16	Peak
12	5640.0000	15.20	8.28	23.48	54.00	-30.52	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		

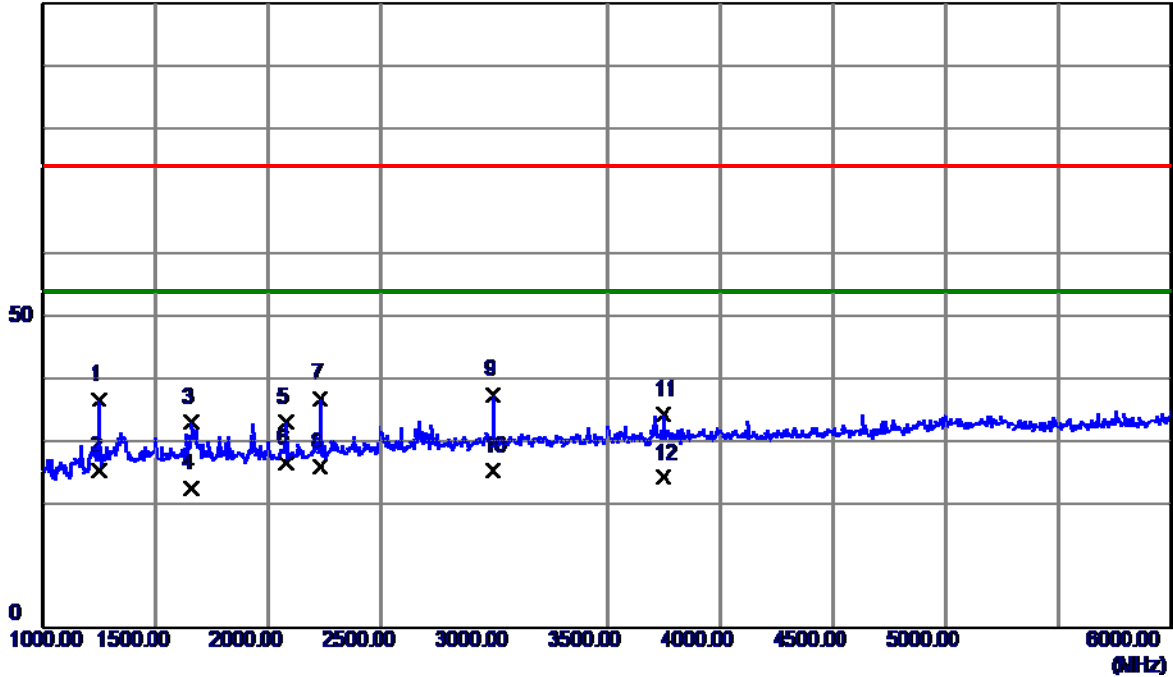
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1480.0000	34.30	-3.13	31.17	74.00	-42.83	Peak
2	1480.0000	24.59	-3.13	21.46	54.00	-32.54	AVG
3	1930.0000	37.15	-2.01	35.14	74.00	-38.86	Peak
4	1930.0000	27.99	-2.01	25.98	54.00	-28.02	AVG
5	2077.5000	34.68	-1.54	33.14	74.00	-40.86	Peak
6 *	2077.5000	27.71	-1.54	26.17	54.00	-27.83	AVG
7	2227.5000	38.00	-0.93	37.07	74.00	-36.93	Peak
8	2227.5000	26.77	-0.93	25.84	54.00	-28.16	AVG
9	2692.5000	33.68	0.69	34.37	74.00	-39.63	Peak
10	2692.5000	24.27	0.69	24.96	54.00	-29.04	AVG
11	3547.5000	31.12	3.33	34.45	74.00	-39.55	Peak
12	3547.5000	21.52	3.33	24.85	54.00	-29.15	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 2 1080P		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		

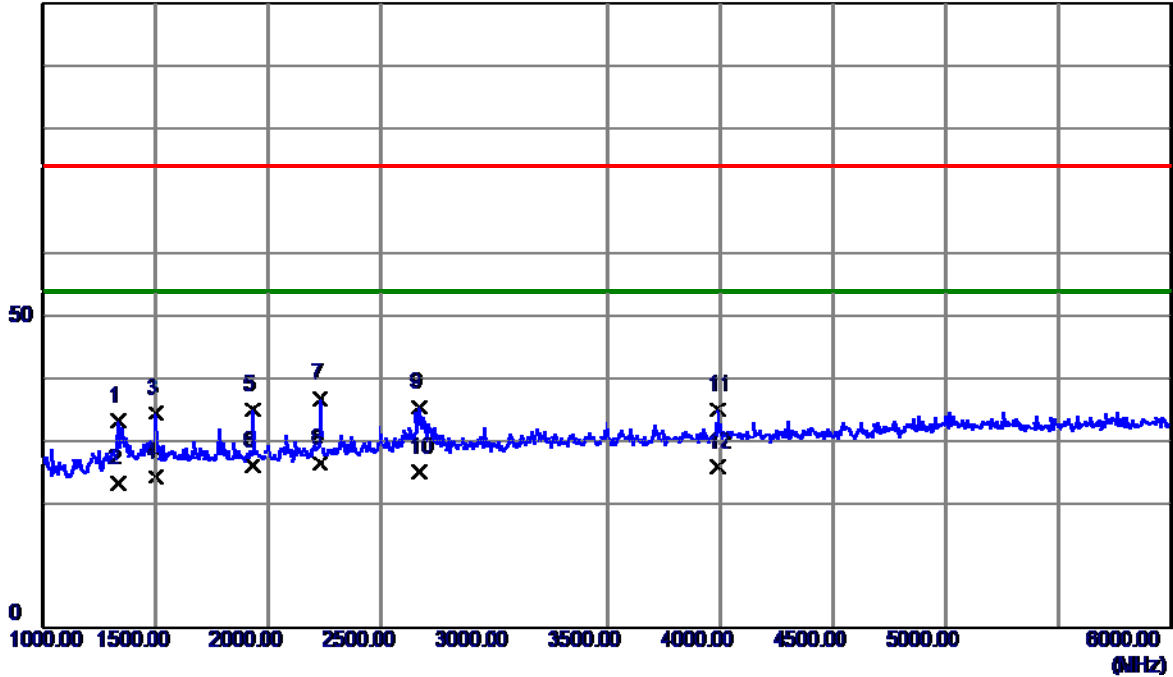
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1247.5000	41.08	-4.49	36.59	74.00	-37.41	Peak
2	1247.5000	29.66	-4.49	25.17	54.00	-28.83	AVG
3	1657.5000	35.56	-2.64	32.92	74.00	-41.08	Peak
4	1657.5000	25.12	-2.64	22.48	54.00	-31.52	AVG
5	2080.0000	34.62	-1.53	33.09	74.00	-40.91	Peak
6 *	2080.0000	27.92	-1.53	26.39	54.00	-27.61	AVG
7	2227.5000	37.69	-0.93	36.76	74.00	-37.24	Peak
8	2227.5000	26.78	-0.93	25.85	54.00	-28.15	AVG
9	2995.0000	35.81	1.53	37.34	74.00	-36.66	Peak
10	2995.0000	23.61	1.53	25.14	54.00	-28.86	AVG
11	3747.5000	30.32	3.92	34.24	74.00	-39.76	Peak
12	3747.5000	20.18	3.92	24.10	54.00	-29.90	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 2 1080P		
Note	Cable:1.8m, Mainboard 1		
Test Engineer	Jim Zhang		

100 dBuV/m

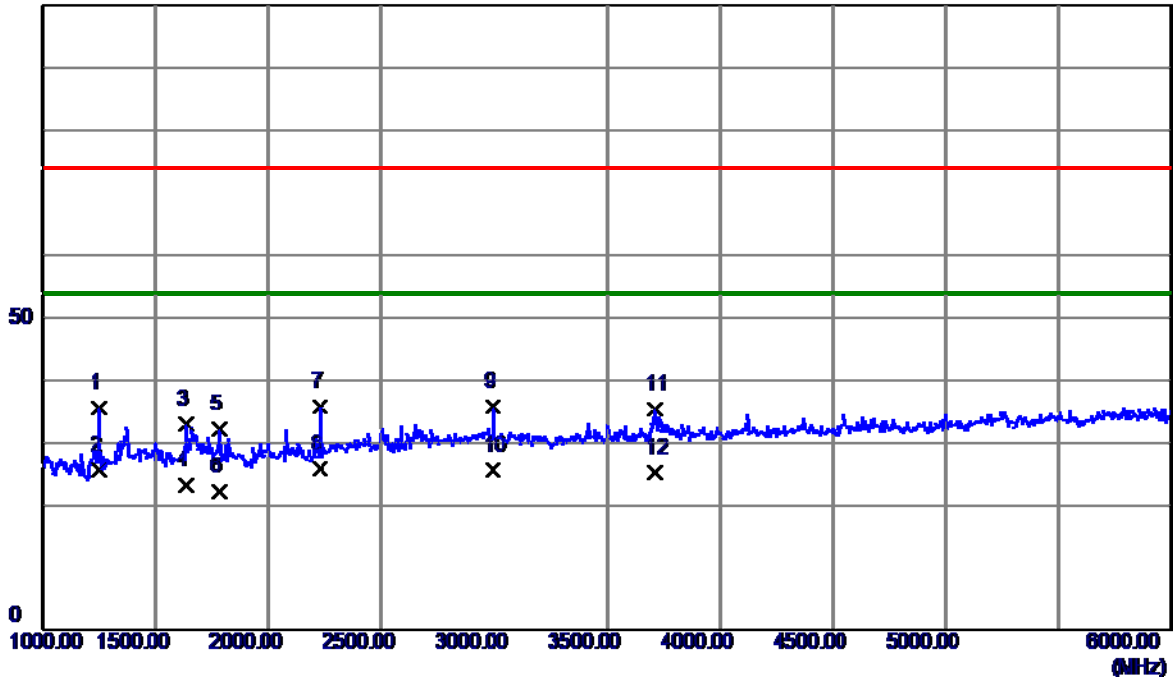


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1332.5000	37.13	-3.99	33.14	74.00	-40.86	Peak
2	1332.5000	27.16	-3.99	23.17	54.00	-30.83	AVG
3	1500.0000	37.50	-3.01	34.49	74.00	-39.51	Peak
4	1500.0000	27.16	-3.01	24.15	54.00	-29.85	AVG
5	1930.0000	37.01	-2.01	35.00	74.00	-39.00	Peak
6	1930.0000	27.95	-2.01	25.94	54.00	-28.06	AVG
7	2227.5000	37.68	-0.93	36.75	74.00	-37.25	Peak
8 *	2227.5000	27.25	-0.93	26.32	54.00	-27.68	AVG
9	2665.0000	34.83	0.62	35.45	74.00	-38.55	Peak
10	2665.0000	24.46	0.62	25.08	54.00	-28.92	AVG
11	3990.0000	30.43	4.63	35.06	74.00	-38.94	Peak
12	3990.0000	21.12	4.63	25.75	54.00	-28.25	AVG



EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 2		
Test Engineer	Jim Zhang		

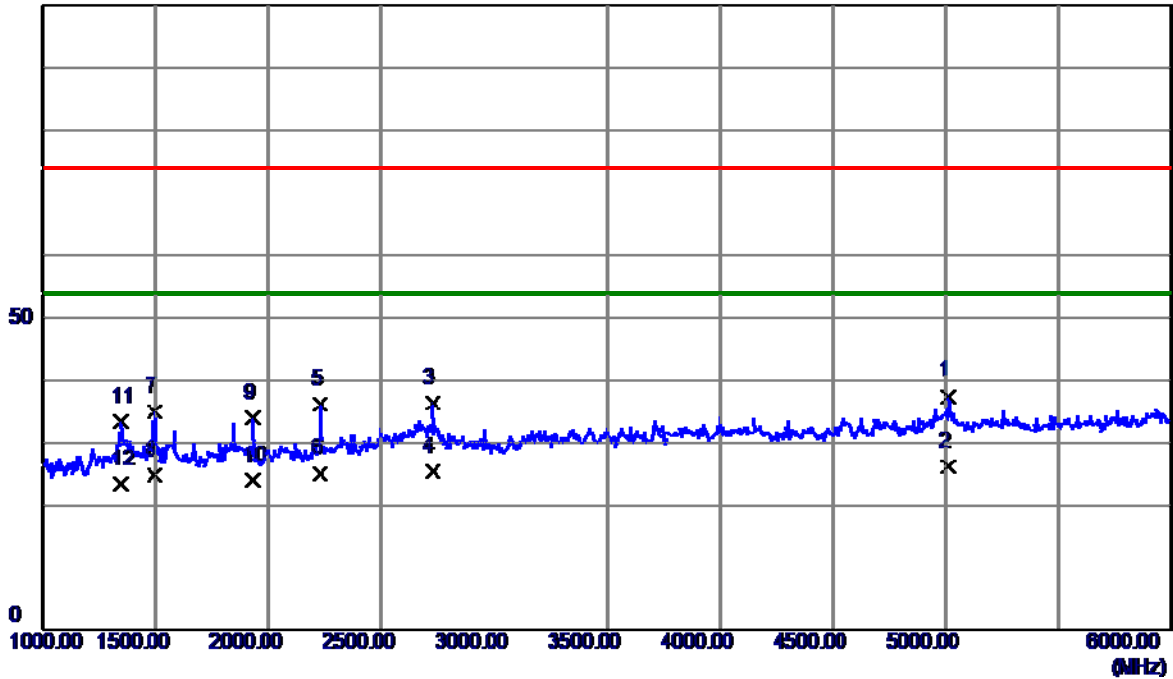
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1247.5000	40.08	-4.49	35.59	74.00	-38.41	Peak
2	1247.5000	30.03	-4.49	25.54	54.00	-28.46	AVG
3	1632.5000	35.74	-2.70	33.04	74.00	-40.96	Peak
4	1632.5000	25.94	-2.70	23.24	54.00	-30.76	AVG
5	1782.5000	34.52	-2.35	32.17	74.00	-41.83	Peak
6	1782.5000	24.50	-2.35	22.15	54.00	-31.85	AVG
7	2227.5000	36.69	-0.93	35.76	74.00	-38.24	Peak
8 *	2227.5000	26.75	-0.93	25.82	54.00	-28.18	AVG
9	2995.0000	34.31	1.53	35.84	74.00	-38.16	Peak
10	2995.0000	24.16	1.53	25.69	54.00	-28.31	AVG
11	3712.5000	31.49	3.82	35.31	74.00	-38.69	Peak
12	3712.5000	21.38	3.82	25.20	54.00	-28.80	AVG

EUT	LCD Monitor	Model Name	**32G1*****
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 2 1920*1080/144Hz		
Note	Cable:1.8m, Mainboard 2		
Test Engineer	Jim Zhang		

100 dBuV/m



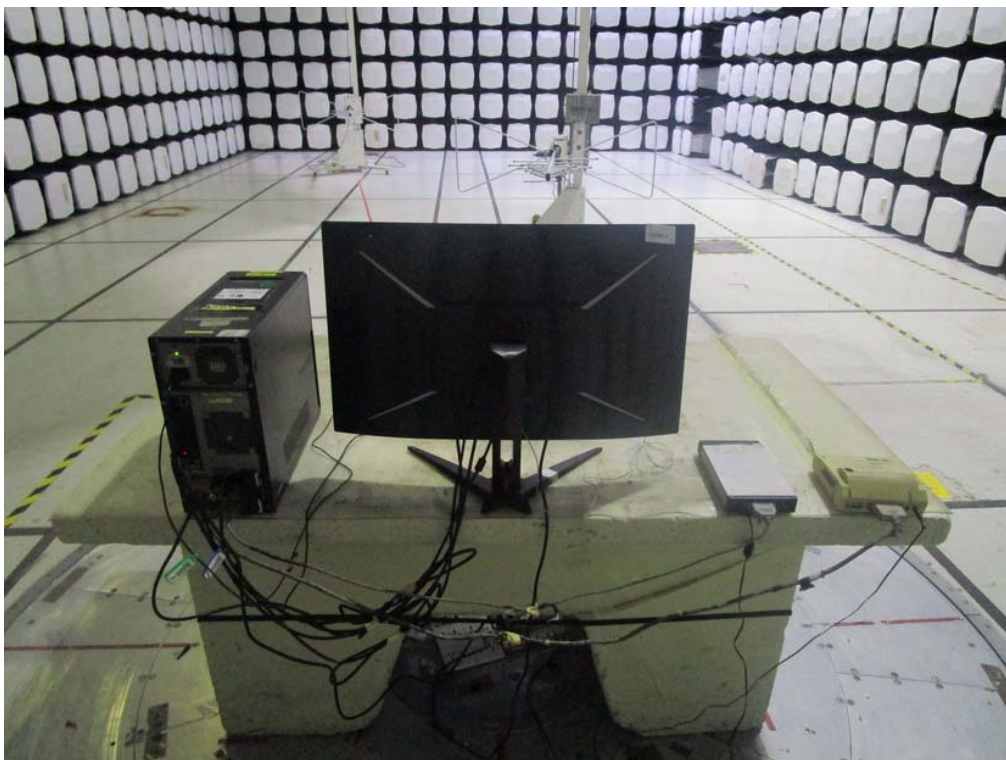
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	5010.0000	29.92	7.58	37.50	74.00	-36.50	Peak
2 *	5010.0000	18.61	7.58	26.19	54.00	-27.81	AVG
3	2725.0000	35.62	0.78	36.40	74.00	-37.60	Peak
4	2725.0000	24.70	0.78	25.48	54.00	-28.52	AVG
5	2227.5000	37.18	-0.93	36.25	74.00	-37.75	Peak
6	2227.5000	26.03	-0.93	25.10	54.00	-28.90	AVG
7	1492.5000	37.96	-3.05	34.91	74.00	-39.09	Peak
8	1492.5000	27.92	-3.05	24.87	54.00	-29.13	AVG
9	1930.0000	36.01	-2.01	34.00	74.00	-40.00	Peak
10	1930.0000	26.03	-2.01	24.02	54.00	-29.98	AVG
11	1345.0000	37.35	-3.92	33.43	74.00	-40.57	Peak
12	1345.0000	27.29	-3.92	23.37	54.00	-30.63	AVG

## 5. EUT TEST PHOTO

### Conducted Emission



Radiated emission below 1 GHz



Radiated emission above 1 GHz

