FCC& ISED EMC Test Report

Project No.	:	1908C237
Equipment	:	LCD Monitor
Brand Name	:	N/A
Test Model	:	**32G2******** (*=A-Z,a-z,0-9,/, +,-,\ or blank)
Series Model	:	N/A
Applicant	:	TPV Electronics (Fujian) Co., Ltd.
Address	:	Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China
Date of Receipt	:	Sep. 02, 2019
Date of Test	:	Sep. 03, 2019 ~ Oct. 12, 2019
Issued Date	:	Oct. 21, 2019
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG20190905213, DG20190905214
Standard(s)	:	FCC Part 15, Subpart B ICES-003 Issue 6:2016 ICES-003 Issue 6:2016 (updated April 2019)

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

Simon Ling

Prepared by : Simon Ling

Kevin Li

Approved by : Kevin Li

Certificate #5123.02

Add: No.3, Jinshagang 1st Road, Shixia, Dalang Town,Dongguan, Guangdong, China.
Tel: +86-769-8318-3000
Web: www.newbtl.com

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 NIST, A2LA, 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/IEC 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 which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and 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.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

Table of Contents Page

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Oct. 21, 2019

1. SUMMARY OF TEST RESULTS

Emission		
Ref Standard(s)	Test Item	Result
ANSI C63.4-2014	AC Power Line Conducted Emissions	PASS
	Radiated Emissions 30 MHz to 1 GHz	PASS
	Radiated Emissions Above 1 GHz	PASS

1.1 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 Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240
BTL's Test Firm Registration Number for ISED: 4428B

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))
The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150 kHz ~ 30MHz	2.32

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB08 (3m)	CISPR	30MHz ~ 200MHz	V	3.76
		30MHz ~ 200MHz	H	3.56
		200MHz ~ 1,000MHz	V	4.00
		200MHz ~ 1,000MHz	H	3.90

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB08 (3m)	CISPR	1GHz ~ 6GHz	4.02

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Tested By
AC Power Line Conducted Emissions	25°C	53%	Lea Lu
Radiated emissions 30 MHz to 1 GHz	25°C	60%	Lorry Lao
Radiated emissions above 1 GHz	25°C	60%	Lorry Lao

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	LCD Monitor
Brand Name	N/A
Test Model	**32G2******** (*=A-Z,a-z,0-9,/, +,-,\ or blank)
Series Model	N/A
Model Difference(s)	Please refer to Note 3.
Power Source	AC Mains.
Power Rating	100-240V~50-60Hz
Connecting I/O Port(s)	Please refer to Note 3.
Classification Of EUT	Class B
Highest Internal Frequency(Fx)	600 MHz

Cable Type	Shielded Type	Ferrite Core	Length(m)	Note
HDMI	Shielded	NO	1.8/1.5	/
Display	Shielded	NO	1.8/1.5	/
D-SUB	Shielded	YES	1.8/1.5	Bonded two Ferrite Cores
AC Power Cord	Non-shielded	NO	1.8/1.5	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 length, worst case is Power cable 1.8m with HDMI+Display+D-SUB 1.8m length testing and recording in test report.
3.

Model	Sale Name	Mainboard	I/O Port(s)
32G2****** (*=A-Z,a-z,0-9,/, +,-,\ or blank)	C32G2	715GA531	2* HDMI port 1* Display port 1* D-SUB port 1* Earphone port 1* AC port
	CQ32G2	715G9500	2* HDMI port 1* Display port 1* Earphone port 1* AC port

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates 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.

C32G2:

Pretest Mode	Description
Mode 1	HDMI1 1920*1080/165Hz
Mode 2	HDMI2 1920*1080/165Hz
Mode 3	DP 1920*1080/165Hz
Mode 4	D-SUB 1920*1080/60Hz
Mode 5	HDMI1 1080P
Mode 6	HDMI2 1080P
Mode 7	HDMI 1 1280*1024/75Hz
Mode 8	HDMI1 640*480/60Hz

AC Power Line Conducted Emissions test	
Final Test Mode	Description
Mode 1	HDMI1 1920*1080/165Hz
Mode 4	D-SUB 1920*1080/60Hz
Mode 5	HDMI1 1080P

Radiated emissions 30 MHz to 1 GHz test	
Final Test Mode	Description
Mode 1	HDMI1 1920*1080/165Hz
Mode 4	D-SUB 1920*1080/60Hz
Mode 5	HDMI1 1080P

Radiated emissions Above 1 GHz test	
Final Test Mode	Description
Mode 1	HDMI1 1920*1080/165Hz
Mode 4	D-SUB 1920*1080/60Hz
Mode 5	HDMI1 1080P

Evaluation description:

1. The maximum resolution is evaluated Mode 1-6. The worst case is Mode 1 and evaluated the middle and low resolution Mode 7 and Mode 8.
2. According to the client's requirement, choose Mode 1, Mode 4, Mode 5 and recorded in test report.

CQ32G2:

Pretest Mode	Description
Mode 1	HDMI1 2560*1440/144Hz
Mode 2	HDMI2 2560*1440/144Hz
Mode 3	DP 2560*1440/144Hz
Mode 4	HDMI1 1080P
Mode 5	HDMI2 1080P
Mode 6	HDMI 1 1280*1024/75Hz
Mode 7	HDMI1 640*480/60Hz

AC Power Line Conducted Emissions test	
Final Test Mode	Description
Mode 1	HDMI1 2560*1440/144Hz
Mode 3	DP 2560*1440/144Hz
Mode 5	HDMI2 1080P

Radiated emissions 30 MHz to 1 GHz test	
Final Test Mode	Description
Mode 1	HDMI1 2560*1440/144Hz
Mode 3	DP 2560*1440/144Hz
Mode 5	HDMI2 1080P

Radiated emissions Above 1 GHz test	
Final Test Mode	Description
Mode 1	HDMI1 2560*1440/144Hz
Mode 3	DP 2560*1440/144Hz
Mode 5	HDMI2 1080P

Evaluation description:

1. The maximum resolution is evaluated Mode 1-5. The worst case is Mode 1 and evaluated the middle and low resolution Mode 6 and Mode 7.
2. According to the client's requirement, choose Mode 1, Mode 3, Mode 5 and recorded in test report.

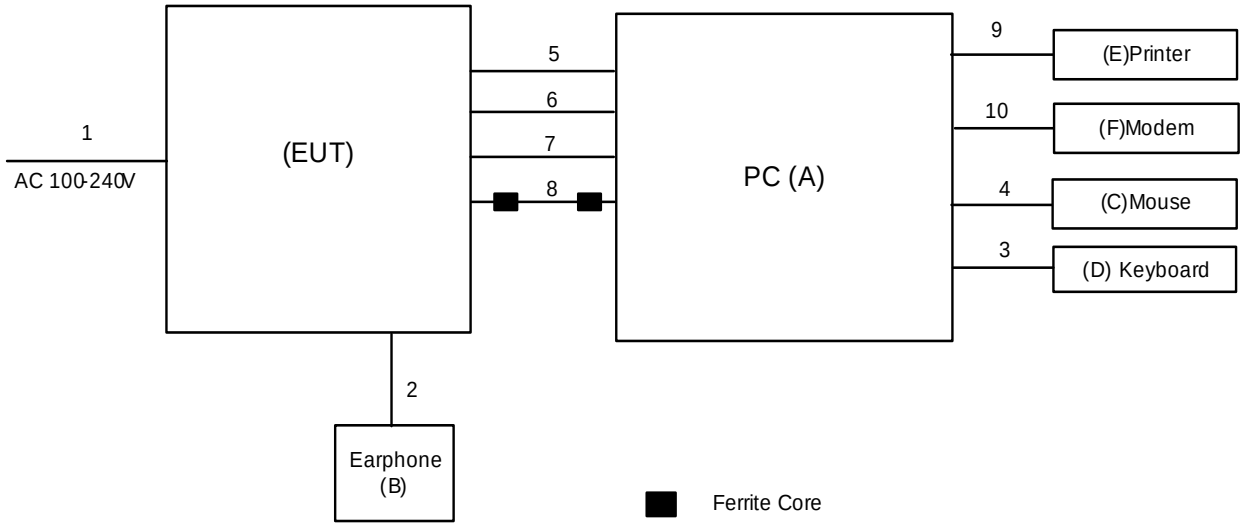
2.3 EUT OPERATING CONDITIONS

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:

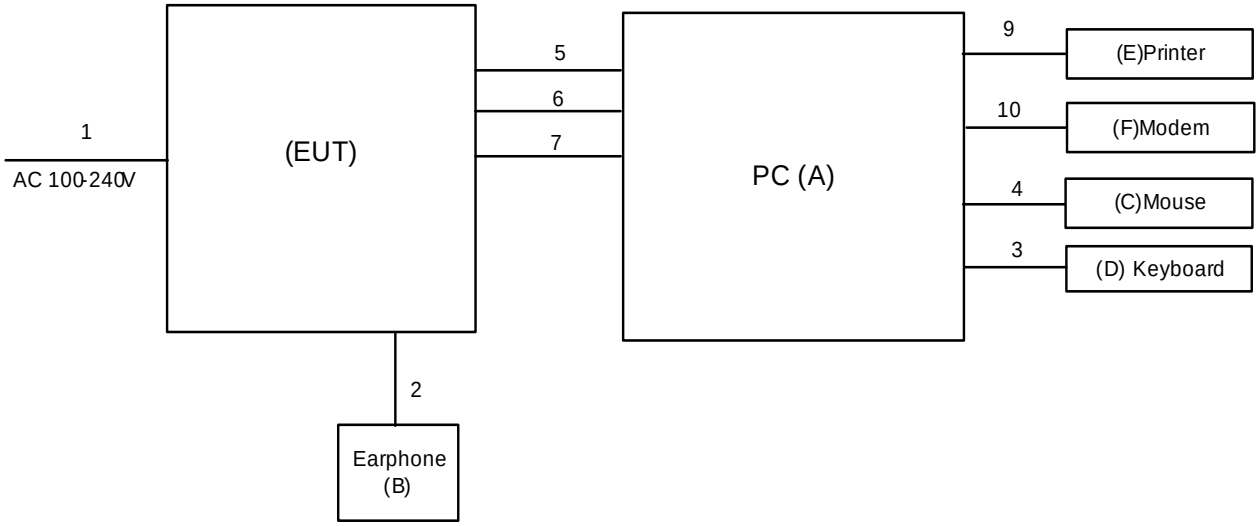
1. EUT connected to PC via HDMI & Display &D-SUB(for C32G2) cable.
2. PC connected to Mouse and Keyboard via USB cable.
3. EUT connected to Earphone via Earphone cable.
4. PC connected to Printer via Parallel cable.
5. PC connected to Modem via RS232 cable.

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

C32G2



CQ32G2



2.5 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.	Series No.
A	PC	DELL	Vostro 470	24454162837
B	Earphone	Apple	N/A	N/A
C	USB Mouse	DELL	MS111-P	CN011D3V71581279OLOT
D	USB Keyboard	DELL	KB212-B	CN0HTXH97158125004DXA01
E	Printer	SII	DPU-414	3018507 B
F	Modem	ACEEX	DM-1414V	603002131

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

3. EMC EMISSION TEST

3.1 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1.1 LIMIT

Frequency of Emission (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.5 - 5.0	56.00	46.00
5.0 - 30.0	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

3.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 10, 2020
2	LISN	EMCO	3816/2	52765	Mar. 10, 2020
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	May. 19, 2020
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 10, 2020
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 12, 2020

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

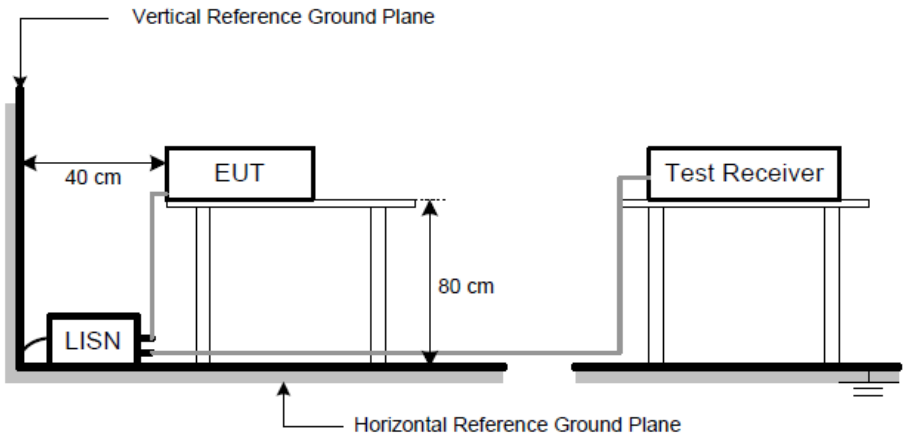
3.1.3 TEST PROCEDURE

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 equipment 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. Measuring frequency range from 150KHz to 30MHz.

3.1.4 DEVIATION FROM TEST STANDARD

No deviation

3.1.5 TEST SETUP

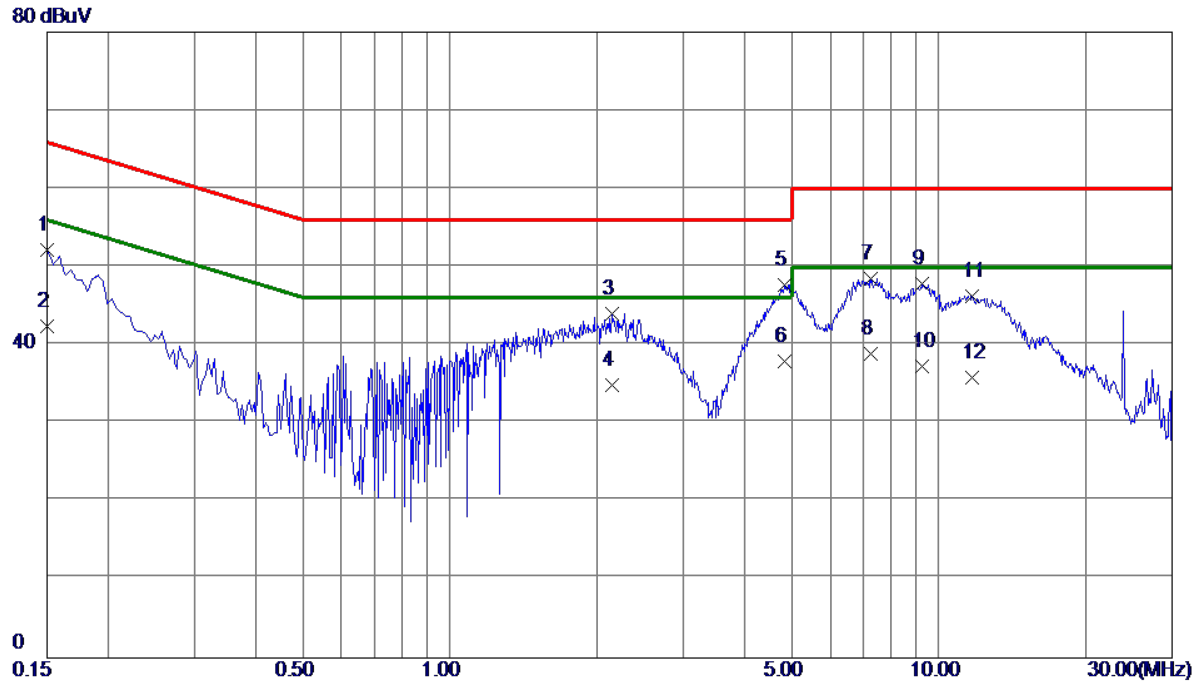


3.1.6 TEST RESULTS

Remark

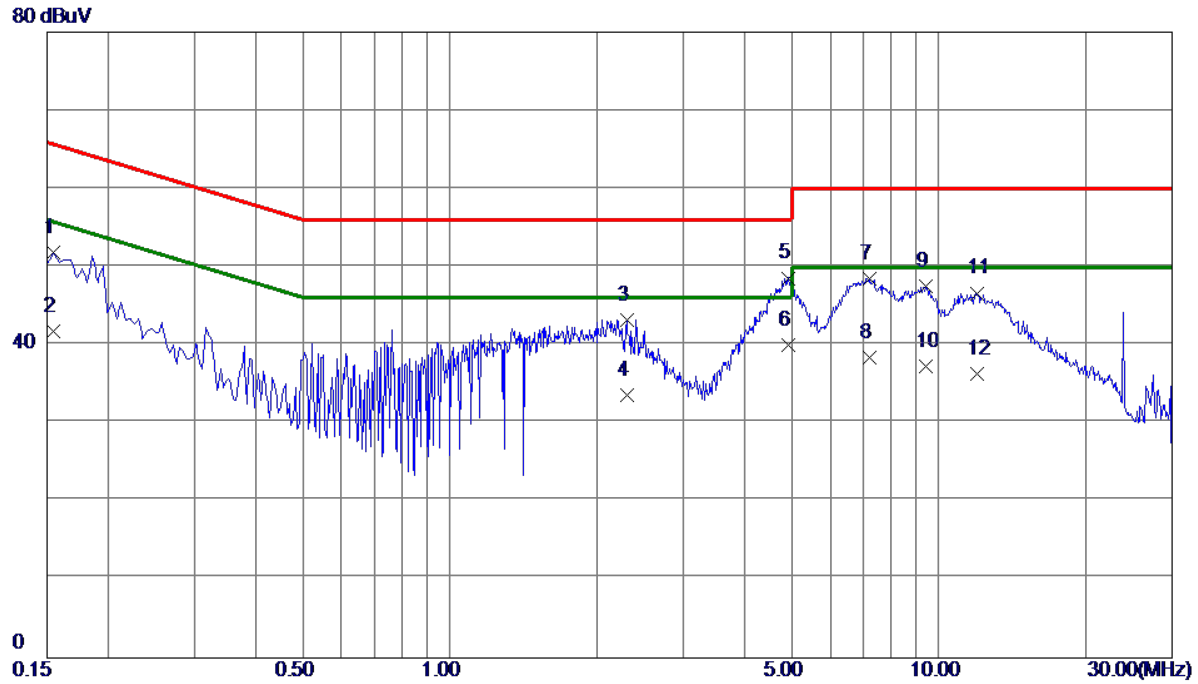
(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. 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	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI1 1920*1080/165Hz		



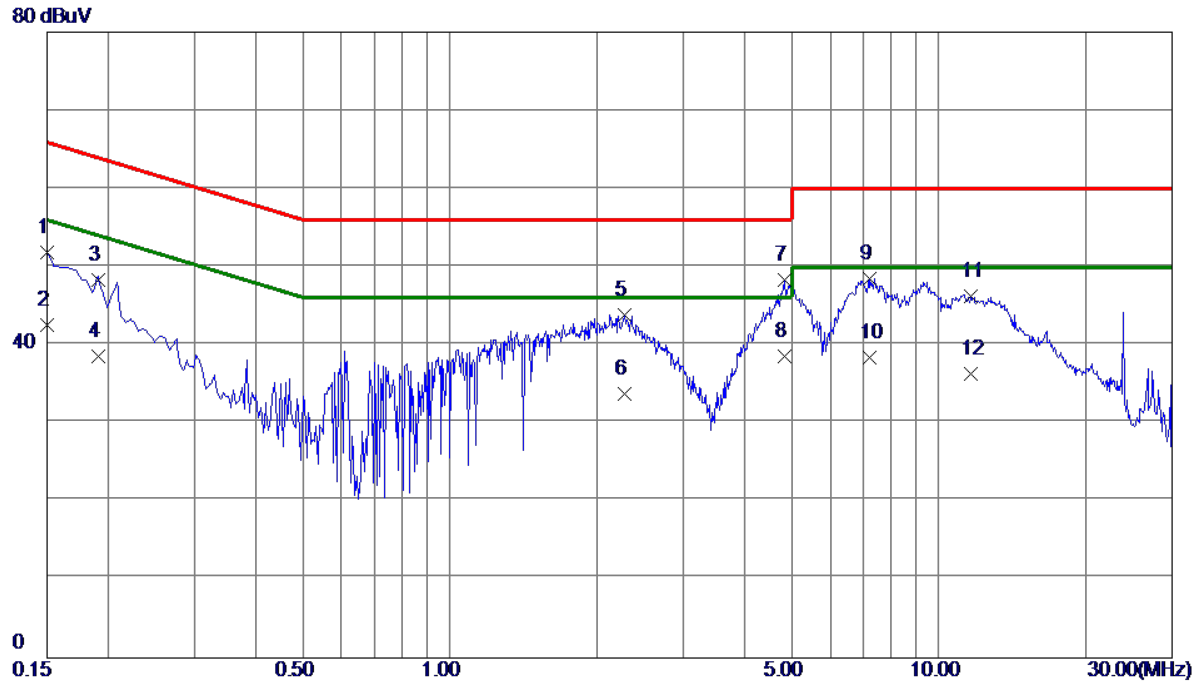
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	42.32	9.82	52.14	66.00	-13.86	QP
2	0.1500	32.60	9.82	42.42	56.00	-13.58	AVG
3	2.1525	34.02	10.01	44.03	56.00	-11.97	QP
4	2.1525	24.80	10.01	34.81	46.00	-11.19	AVG
5	4.8255	37.49	10.18	47.67	56.00	-8.33	QP
6 *	4.8255	27.80	10.18	37.98	46.00	-8.02	AVG
7	7.2645	38.20	10.34	48.54	60.00	-11.46	QP
8	7.2645	28.51	10.34	38.85	50.00	-11.15	AVG
9	9.2220	37.32	10.45	47.77	60.00	-12.23	QP
10	9.2220	26.90	10.45	37.35	50.00	-12.65	AVG
11	11.6879	35.68	10.58	46.26	60.00	-13.74	QP
12	11.6879	25.30	10.58	35.88	50.00	-14.12	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI1 1920*1080/165Hz		



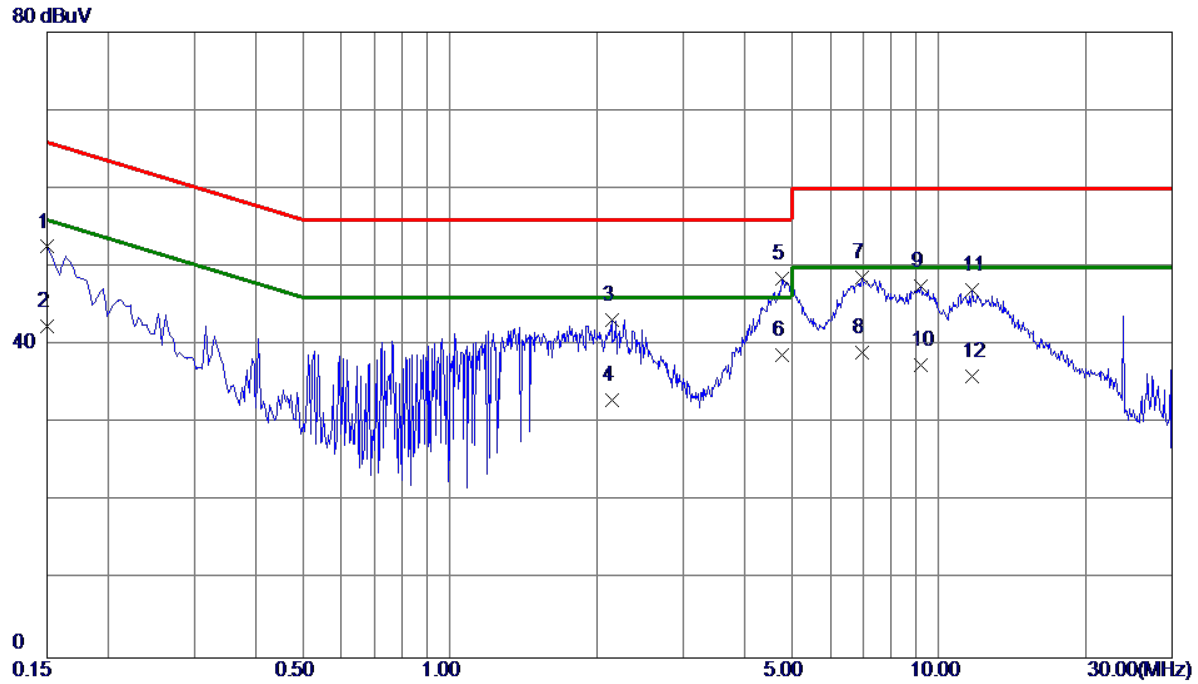
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1545	41.91	9.91	51.82	65.75	-13.93	QP
2	0.1545	31.80	9.91	41.71	55.75	-14.04	AVG
3	2.3055	33.00	10.21	43.21	56.00	-12.79	QP
4	2.3055	23.40	10.21	33.61	46.00	-12.39	AVG
5	4.9245	38.17	10.39	48.56	56.00	-7.44	QP
6 *	4.9245	29.64	10.39	40.03	46.00	-5.97	AVG
7	7.2285	37.90	10.60	48.50	60.00	-11.50	QP
8	7.2285	27.80	10.60	38.40	50.00	-11.60	AVG
9	9.4110	36.83	10.71	47.54	60.00	-12.46	QP
10	9.4110	26.51	10.71	37.22	50.00	-12.78	AVG
11	11.9625	35.76	10.88	46.64	60.00	-13.36	QP
12	11.9625	25.40	10.88	36.28	50.00	-13.72	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	D-SUB 1920*1080/60Hz		



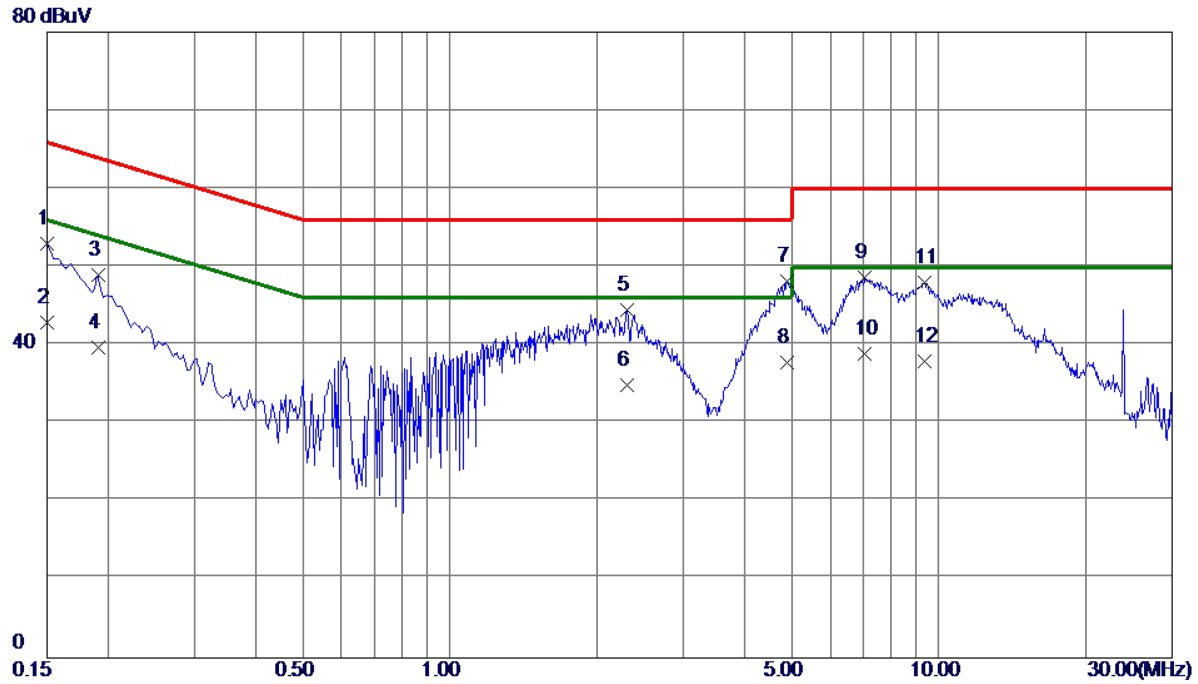
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	42.09	9.82	51.91	66.00	-14.09	QP
2	0.1500	32.70	9.82	42.52	56.00	-13.48	AVG
3	0.1914	38.57	9.81	48.38	63.98	-15.60	QP
4	0.1914	28.70	9.81	38.51	53.98	-15.47	AVG
5	2.2785	33.90	10.01	43.91	56.00	-12.09	QP
6	2.2785	23.80	10.01	33.81	46.00	-12.19	AVG
7	4.8480	38.11	10.18	48.29	56.00	-7.71	QP
8 *	4.8480	28.40	10.18	38.58	46.00	-7.42	AVG
9	7.1970	38.07	10.34	48.41	60.00	-11.59	QP
10	7.1970	28.00	10.34	38.34	50.00	-11.66	AVG
11	11.6295	35.65	10.58	46.23	60.00	-13.77	QP
12	11.6295	25.80	10.58	36.38	50.00	-13.62	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	D-SUB 1920*1080/60Hz		



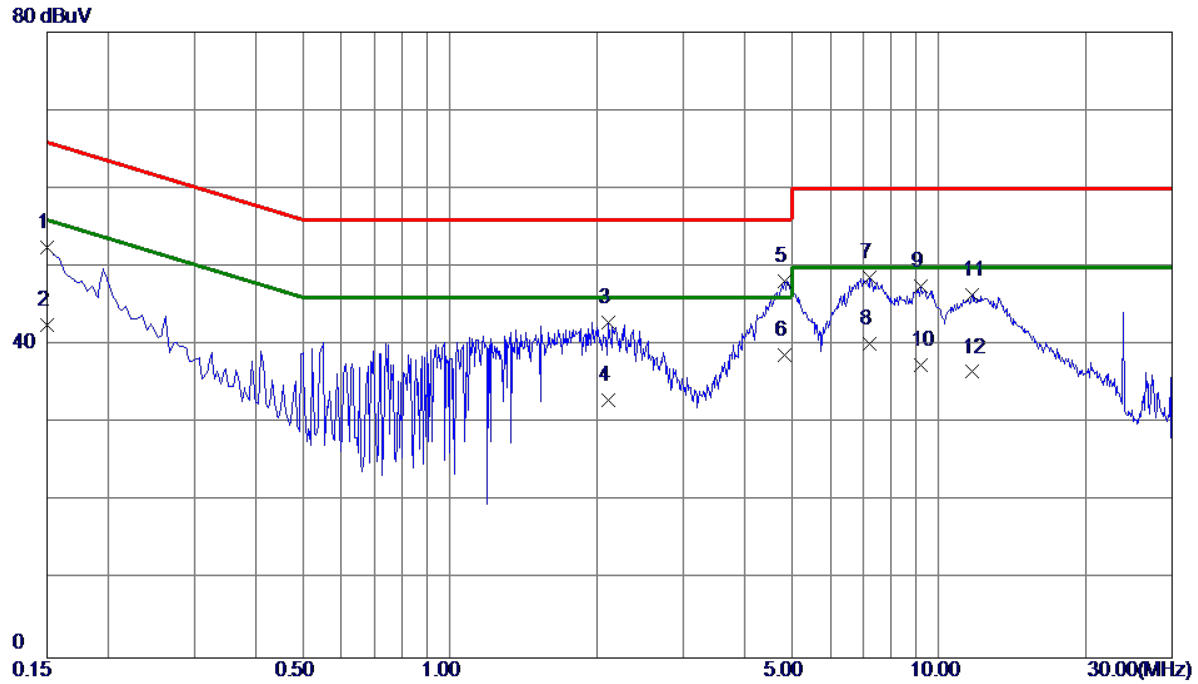
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	42.65	9.91	52.56	66.00	-13.44	QP
2	0.1500	32.50	9.91	42.41	56.00	-13.59	AVG
3	2.1435	32.99	10.20	43.19	56.00	-12.81	QP
4	2.1435	22.70	10.20	32.90	46.00	-13.10	AVG
5	4.7760	38.06	10.38	48.44	56.00	-7.56	QP
6 *	4.7760	28.40	10.38	38.78	46.00	-7.22	AVG
7	6.9675	38.03	10.58	48.61	60.00	-11.39	QP
8	6.9675	28.41	10.58	38.99	50.00	-11.01	AVG
9	9.1770	36.88	10.70	47.58	60.00	-12.42	QP
10	9.1770	26.70	10.70	37.40	50.00	-12.60	AVG
11	11.7240	36.12	10.86	46.98	60.00	-13.02	QP
12	11.7240	25.10	10.86	35.96	50.00	-14.04	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI1 1080P		



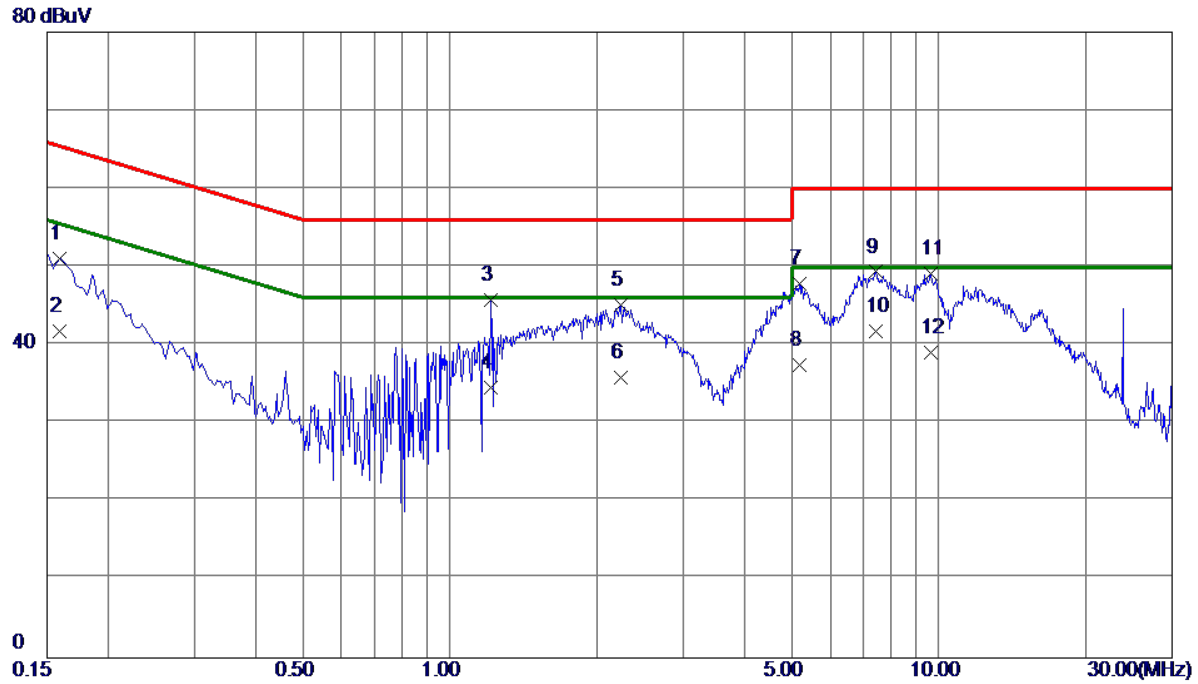
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	43.15	9.82	52.97	66.00	-13.03	QP
2	0.1500	33.10	9.82	42.92	56.00	-13.08	AVG
3	0.1905	39.19	9.81	49.00	64.01	-15.01	QP
4	0.1905	29.80	9.81	39.61	54.01	-14.40	AVG
5	2.3010	34.42	10.01	44.43	56.00	-11.57	QP
6	2.3010	24.91	10.01	34.92	46.00	-11.08	AVG
7 *	4.9064	37.94	10.18	48.12	56.00	-7.88	QP
8	4.9064	27.61	10.18	37.79	46.00	-8.21	AVG
9	7.0665	38.33	10.33	48.66	60.00	-11.34	QP
10	7.0665	28.50	10.33	38.83	50.00	-11.17	AVG
11	9.3435	37.57	10.46	48.03	60.00	-11.97	QP
12	9.3435	27.39	10.46	37.85	50.00	-12.15	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI1 1080P		



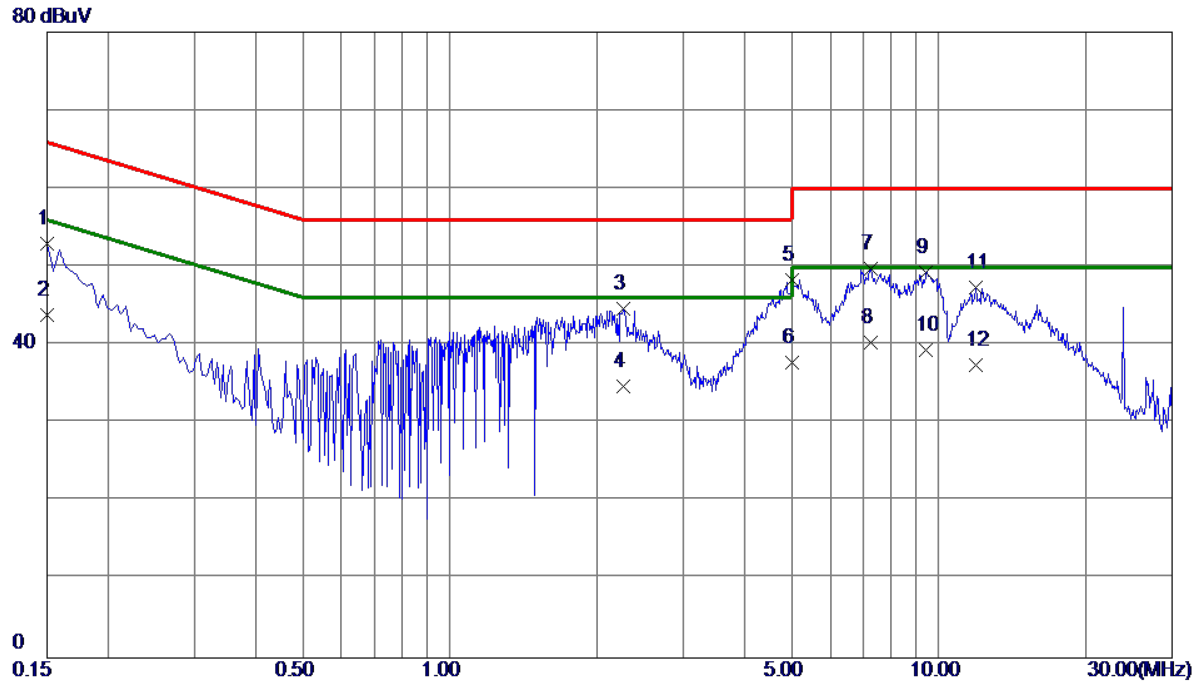
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	42.50	9.91	52.41	66.00	-13.59	QP
2	0.1500	32.60	9.91	42.51	56.00	-13.49	AVG
3	2.1030	32.70	10.20	42.90	56.00	-13.10	QP
4	2.1030	22.70	10.20	32.90	46.00	-13.10	AVG
5	4.8480	37.77	10.39	48.16	56.00	-7.84	QP
6 *	4.8480	28.39	10.39	38.78	46.00	-7.22	AVG
7	7.2330	37.98	10.60	48.58	60.00	-11.42	QP
8	7.2330	29.50	10.60	40.10	50.00	-9.90	AVG
9	9.1905	36.80	10.70	47.50	60.00	-12.50	QP
10	9.1905	26.80	10.70	37.50	50.00	-12.50	AVG
11	11.6700	35.53	10.86	46.39	60.00	-13.61	QP
12	11.6700	25.70	10.86	36.56	50.00	-13.44	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI1 2560*1440/144Hz		



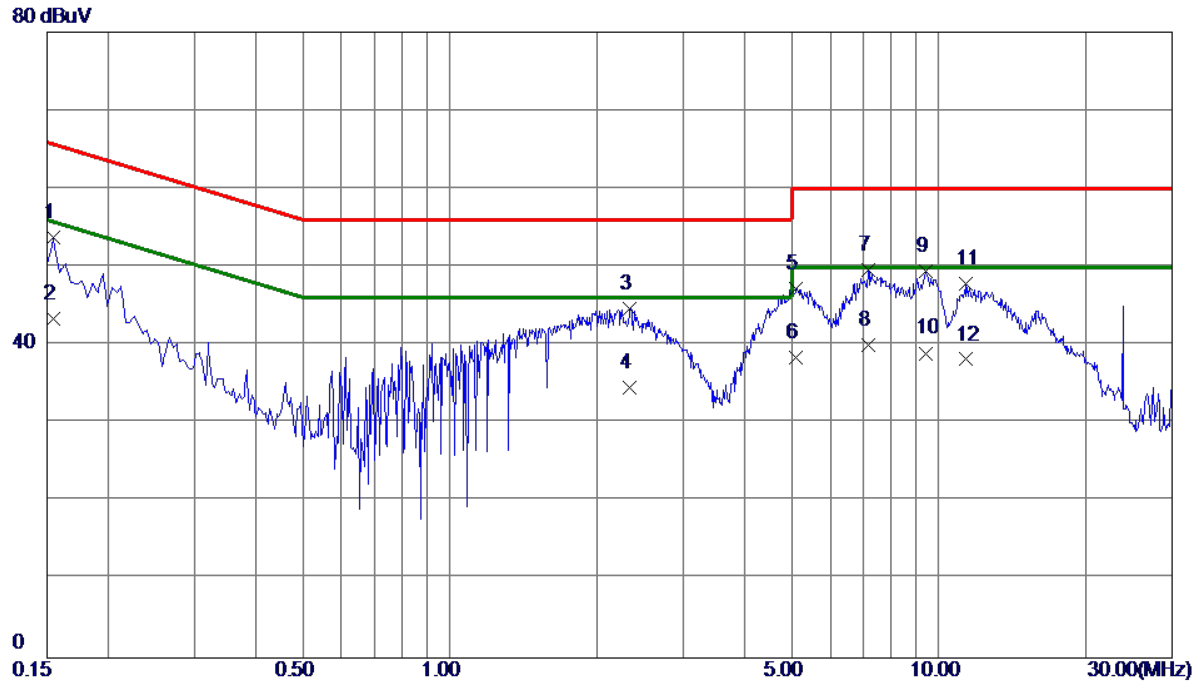
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	41.27	9.82	51.09	65.52	-14.43	QP
2	0.1590	31.90	9.82	41.72	55.52	-13.80	AVG
3	1.2120	35.89	9.93	45.82	56.00	-10.18	QP
4	1.2120	24.60	9.93	34.53	46.00	-11.47	AVG
5	2.2380	35.08	10.01	45.09	56.00	-10.91	QP
6	2.2380	25.90	10.01	35.91	46.00	-10.09	AVG
7	5.1810	37.69	10.20	47.89	60.00	-12.11	QP
8	5.1810	27.31	10.20	37.51	50.00	-12.49	AVG
9	7.4130	39.01	10.35	49.36	60.00	-10.64	QP
10 *	7.4130	31.36	10.35	41.71	50.00	-8.29	AVG
11	9.6360	38.68	10.47	49.15	60.00	-10.85	QP
12	9.6360	28.60	10.47	39.07	50.00	-10.93	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI1 2560*1440/144Hz		



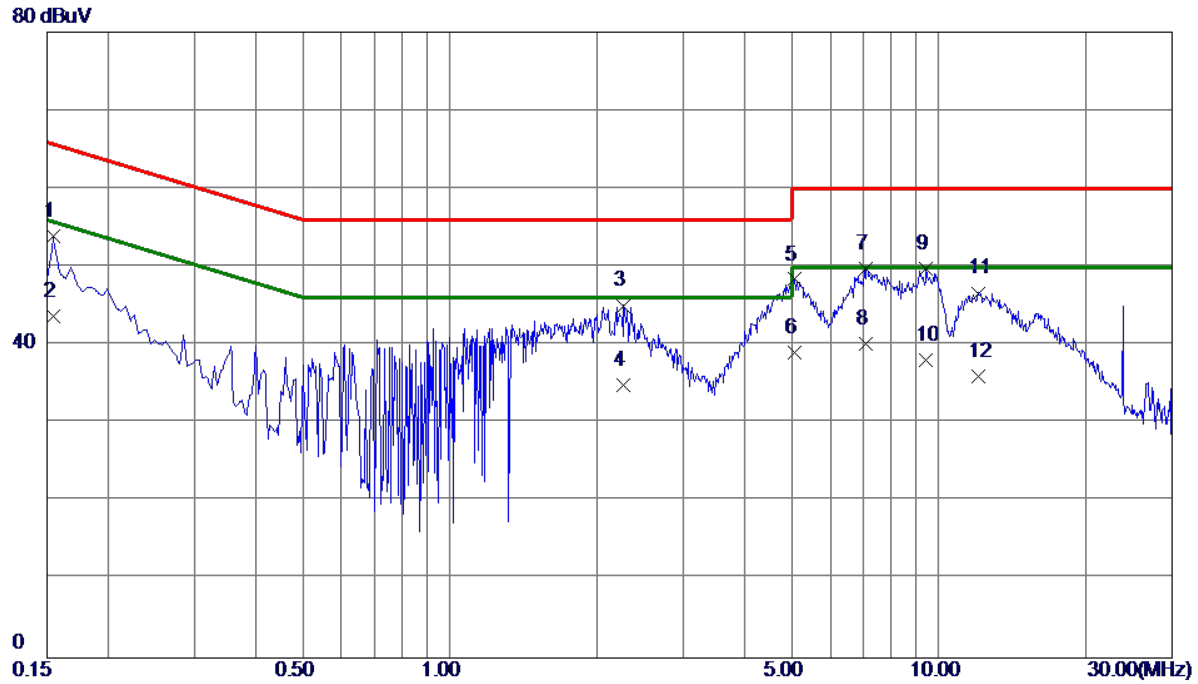
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	43.11	9.91	53.02	66.00	-12.98	QP
2	0.1500	33.90	9.91	43.81	56.00	-12.19	AVG
3	2.2695	34.51	10.20	44.71	56.00	-11.29	QP
4	2.2695	24.50	10.20	34.70	46.00	-11.30	AVG
5	5.0010	37.90	10.40	48.30	60.00	-11.70	QP
6	5.0010	27.30	10.40	37.70	50.00	-12.30	AVG
7	7.2645	39.13	10.60	49.73	60.00	-10.27	QP
8 *	7.2645	29.71	10.60	40.31	50.00	-9.69	AVG
9	9.4290	38.59	10.71	49.30	60.00	-10.70	QP
10	9.4290	28.61	10.71	39.32	50.00	-10.68	AVG
11	11.9310	36.41	10.88	47.29	60.00	-12.71	QP
12	11.9310	26.50	10.88	37.38	50.00	-12.62	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	DP 2560*1440/144Hz		



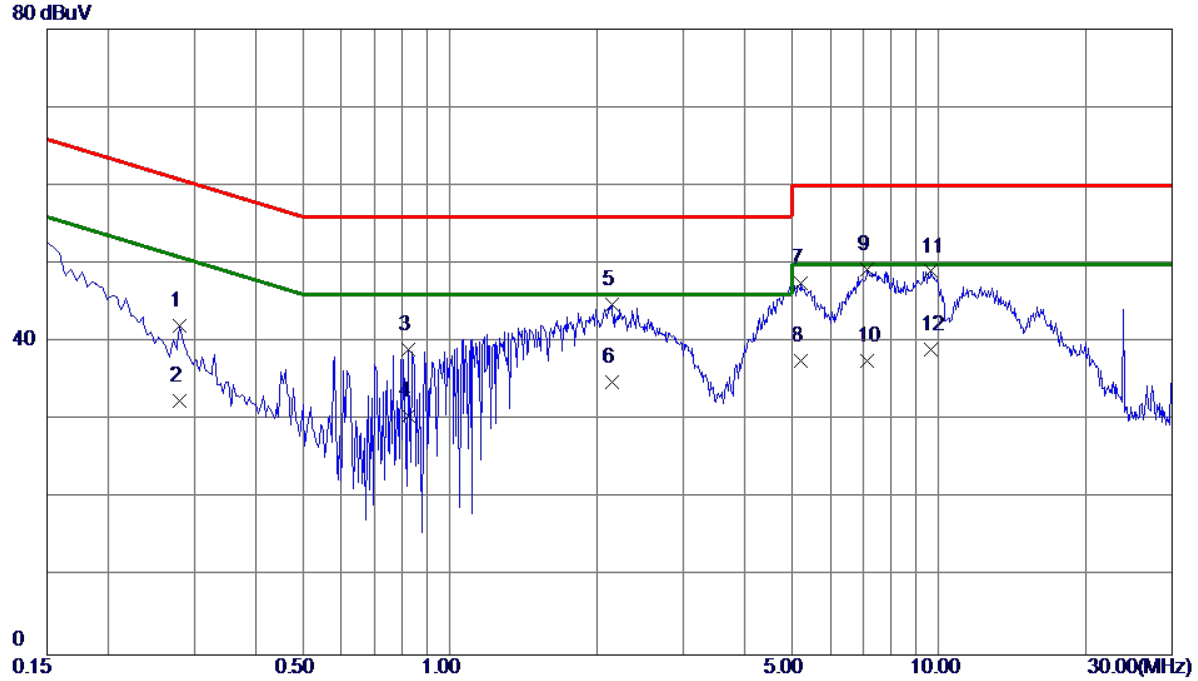
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1545	43.88	9.82	53.70	65.75	-12.05	QP
2	0.1545	33.60	9.82	43.42	55.75	-12.33	AVG
3	2.3370	34.63	10.02	44.65	56.00	-11.35	QP
4	2.3370	24.50	10.02	34.52	46.00	-11.48	AVG
5	5.1135	37.07	10.20	47.27	60.00	-12.73	QP
6	5.1135	28.19	10.20	38.39	50.00	-11.61	AVG
7	7.1655	39.23	10.34	49.57	60.00	-10.43	QP
8 *	7.1655	29.69	10.34	40.03	50.00	-9.97	AVG
9	9.4290	38.91	10.46	49.37	60.00	-10.63	QP
10	9.4290	28.50	10.46	38.96	50.00	-11.04	AVG
11	11.3820	37.35	10.56	47.91	60.00	-12.09	QP
12	11.3820	27.60	10.56	38.16	50.00	-11.84	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	DP 2560*1440/144Hz		



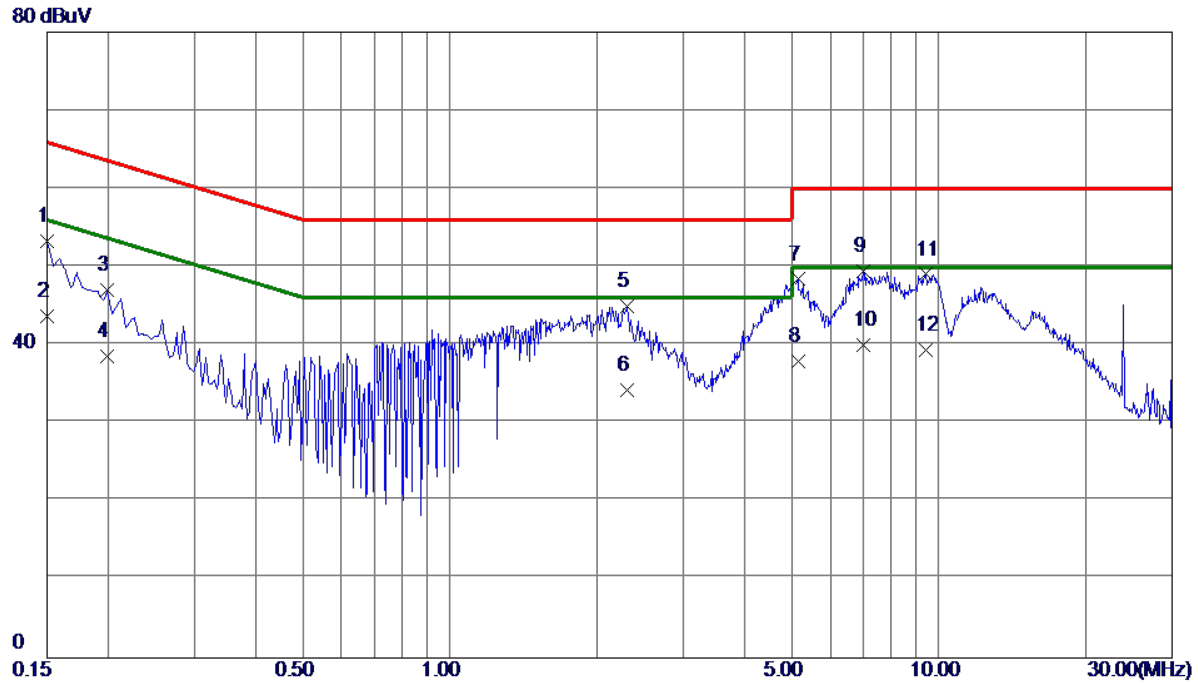
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1545	43.97	9.91	53.88	65.75	-11.87	QP
2	0.1545	33.80	9.91	43.71	55.75	-12.04	AVG
3	2.2695	34.84	10.20	45.04	56.00	-10.96	QP
4	2.2695	24.70	10.20	34.90	46.00	-11.10	AVG
5	5.0775	37.99	10.41	48.40	60.00	-11.60	QP
6	5.0775	28.59	10.41	39.00	50.00	-11.00	AVG
7	7.1070	39.18	10.59	49.77	60.00	-10.23	QP
8 *	7.1070	29.50	10.59	40.09	50.00	-9.91	AVG
9	9.4200	39.03	10.71	49.74	60.00	-10.26	QP
10	9.4200	27.31	10.71	38.02	50.00	-11.98	AVG
11	12.0795	35.75	10.89	46.64	60.00	-13.36	QP
12	12.0795	25.10	10.89	35.99	50.00	-14.01	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI1 1080P		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.2805	32.17	9.84	42.01	60.80	-18.79	QP
2	0.2805	22.70	9.84	32.54	50.80	-18.26	AVG
3	0.8205	29.15	9.91	39.06	56.00	-16.94	QP
4	0.8205	20.60	9.91	30.51	46.00	-15.49	AVG
5	2.1435	34.76	10.01	44.77	56.00	-11.23	QP
6	2.1435	24.80	10.01	34.81	46.00	-11.19	AVG
7	5.2215	37.36	10.21	47.57	60.00	-12.43	QP
8	5.2215	27.40	10.21	37.61	50.00	-12.39	AVG
9 *	7.1385	38.96	10.33	49.29	60.00	-10.71	QP
10	7.1385	27.30	10.33	37.63	50.00	-12.37	AVG
11	9.6540	38.57	10.47	49.04	60.00	-10.96	QP
12	9.6540	28.60	10.47	39.07	50.00	-10.93	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI1 1080P		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	43.37	9.91	53.28	66.00	-12.72	QP
2	0.1500	33.70	9.91	43.61	56.00	-12.39	AVG
3	0.1995	37.11	9.90	47.01	63.63	-16.62	QP
4	0.1995	28.60	9.90	38.50	53.63	-15.13	AVG
5	2.3100	34.69	10.21	44.90	56.00	-11.10	QP
6	2.3100	24.10	10.21	34.31	46.00	-11.69	AVG
7	5.1585	37.99	10.41	48.40	60.00	-11.60	QP
8	5.1585	27.51	10.41	37.92	50.00	-12.08	AVG
9	6.9945	38.90	10.59	49.49	60.00	-10.51	QP
10 *	6.9945	29.40	10.59	39.99	50.00	-10.01	AVG
11	9.4290	38.33	10.71	49.04	60.00	-10.96	QP
12	9.4290	28.61	10.71	39.32	50.00	-10.68	AVG

3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ

3.2.1 LIMIT

Frequency (MHz)	Class B (at 3m)	
	(uV/m) Field strength	(dBuV/m) Field strength
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

NOTE:
(1) The tighter limit applies at the band edges.
(2) Emission level (dBuV/m) = 20log Emission level (uV/m).
3m Emission level = 10m Emission level + 20log(10m/3m).
(3) 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

3.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Keysight	N9038A	MY54450004	Aug. 03, 2020
2	MXE EMI Receiver	Agilent	N9038A	MY53220133	Mar. 10, 2020
3	Pre-Amplifier	EMC INSTRUMENT	EMC 9135	980284	Mar. 10, 2020
4	Pre-Amplifier	EMC INSTRUMENT	EMC 9135	980283	Mar. 10, 2020
5	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	946	Nov. 24, 2019
6	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	947	Nov. 24, 2019
7	Cable	emci	LMR-400(5m+11m+15m)	N/A	Aug. 06, 2020
8	Cable	emci	LMR-400(5m+8m+8m)	N/A	Aug. 06, 2020
9	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A
10	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
11	Attenuator	EMCI	EMCI-N-6-06	N0670	Nov. 24, 2019
12	Attenuator	EMCI	EMCI-N-6-06	N0671	Nov. 24, 2019

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

3.2.3 TEST PROCEDURE

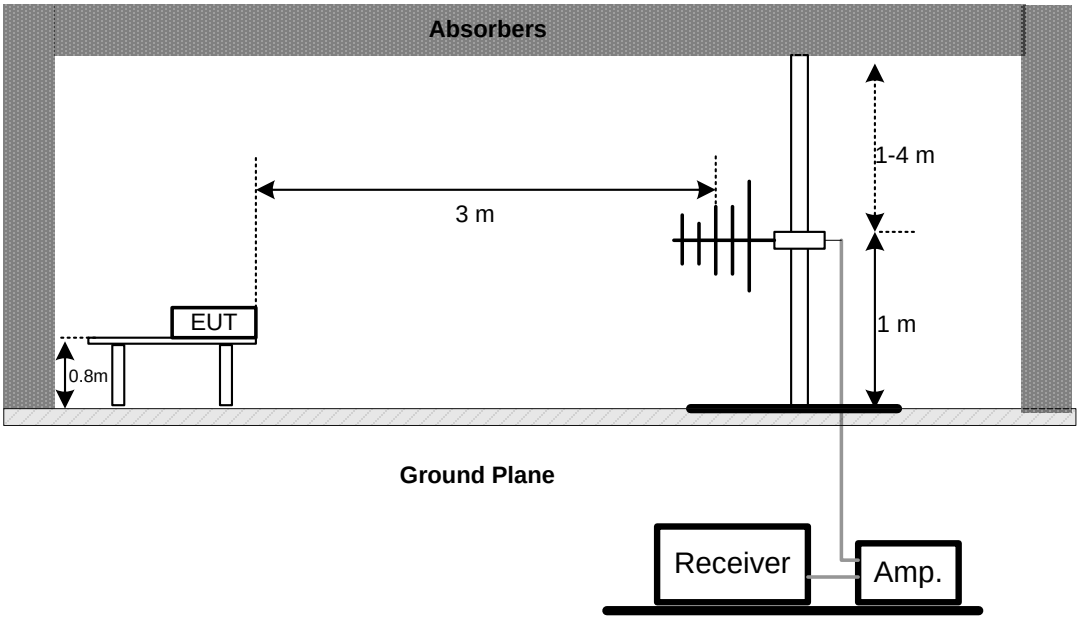
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The height of the equipment or of 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.
c. 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).
d. 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.
e. 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.
f. For the actual test configuration, please refer to the related Item - Block Diagram of system tested.

3.2.4 DEVIATION FROM TEST STANDARD

No deviation

3.2.5 TEST SETUP

30 MHz to 1 GHz

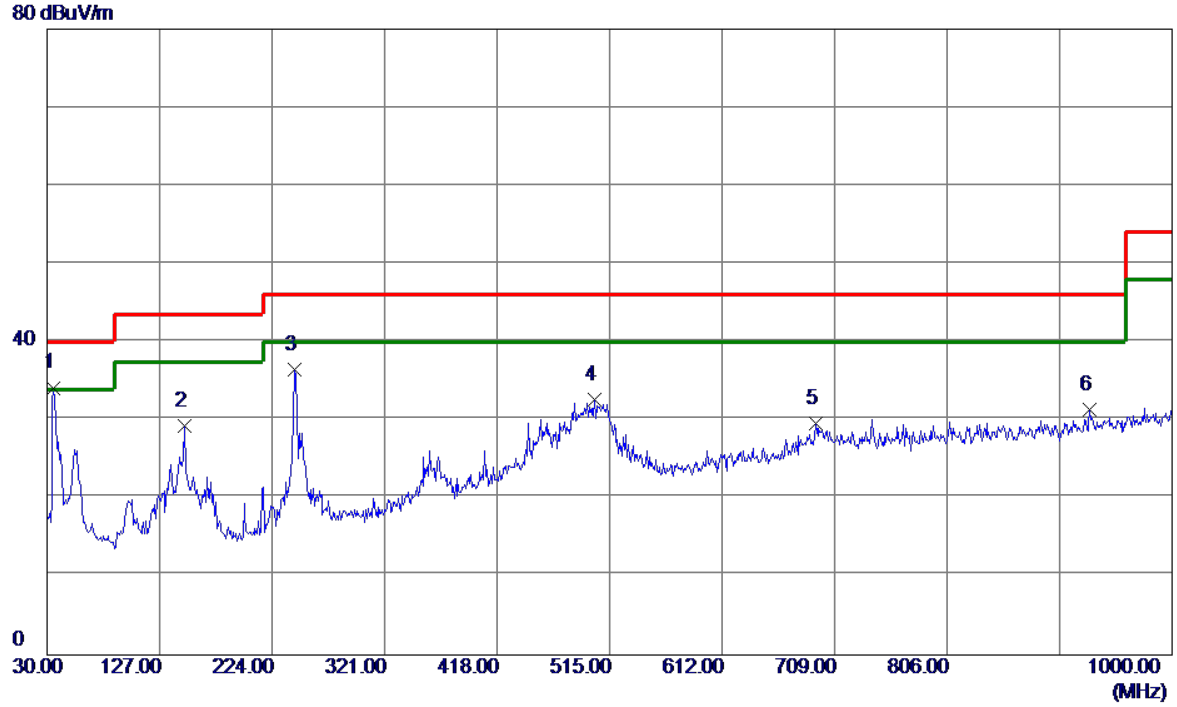


3.2.6 TEST RESULTS

Remark：

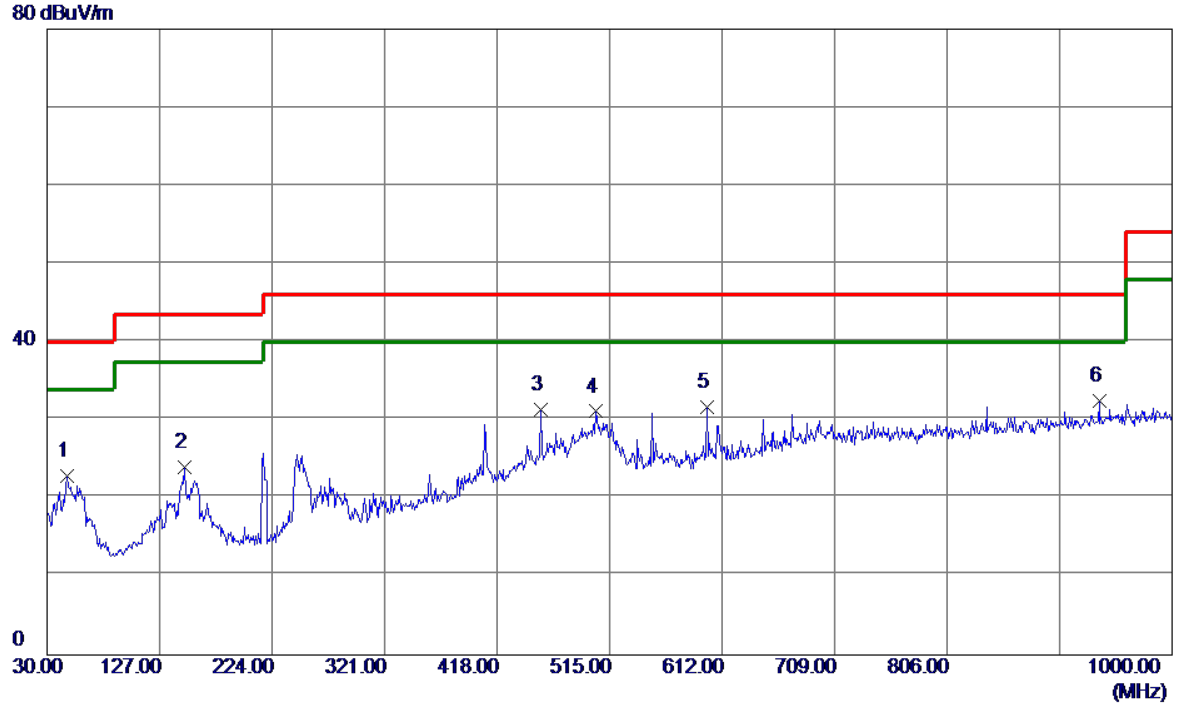
(1) Measuring frequency range from 30 MHz to 1000 MHz
(2) If the peak scan value lower limit more than 20 dB, then this signal data does not show in table.

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



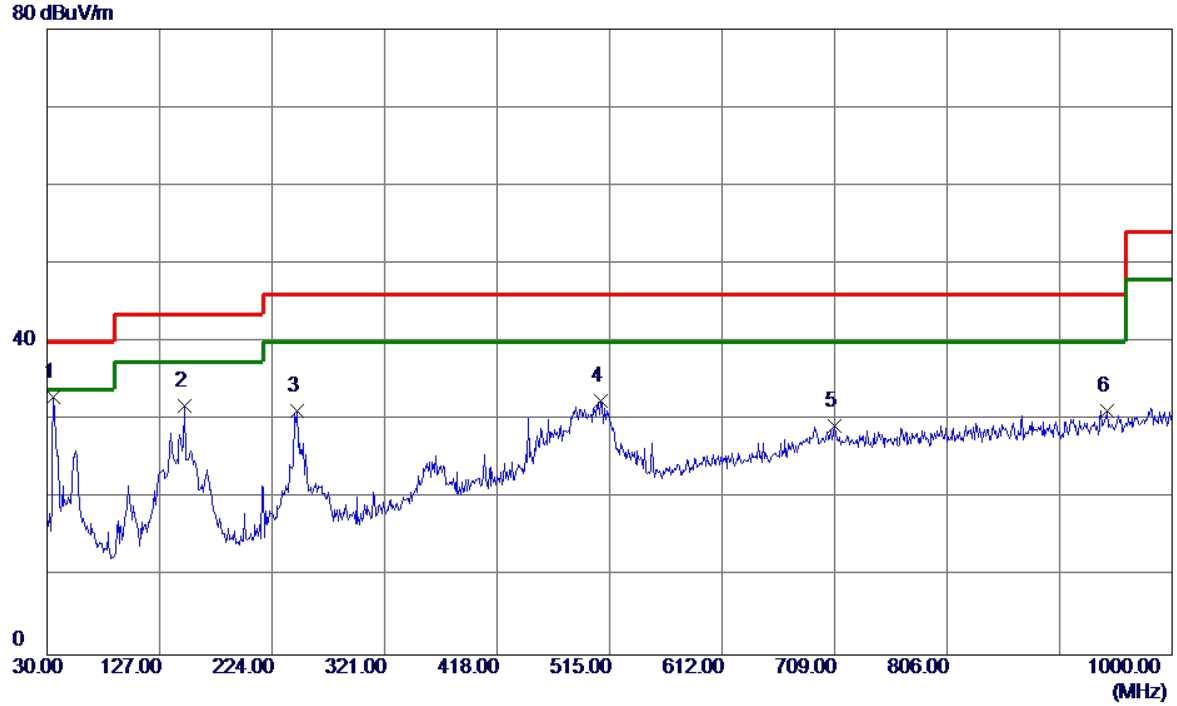
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	52.20	-18.04	34.16	40.00	-5.84	QP
2	148.3400	45.36	-16.02	29.34	43.50	-14.16	QP
3	243.4000	53.75	-17.20	36.55	46.00	-9.45	QP
4	502.3900	43.26	-10.65	32.61	46.00	-13.39	QP
5	692.5100	36.80	-7.19	29.61	46.00	-16.39	QP
6	929.1900	35.32	-3.98	31.34	46.00	-14.66	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



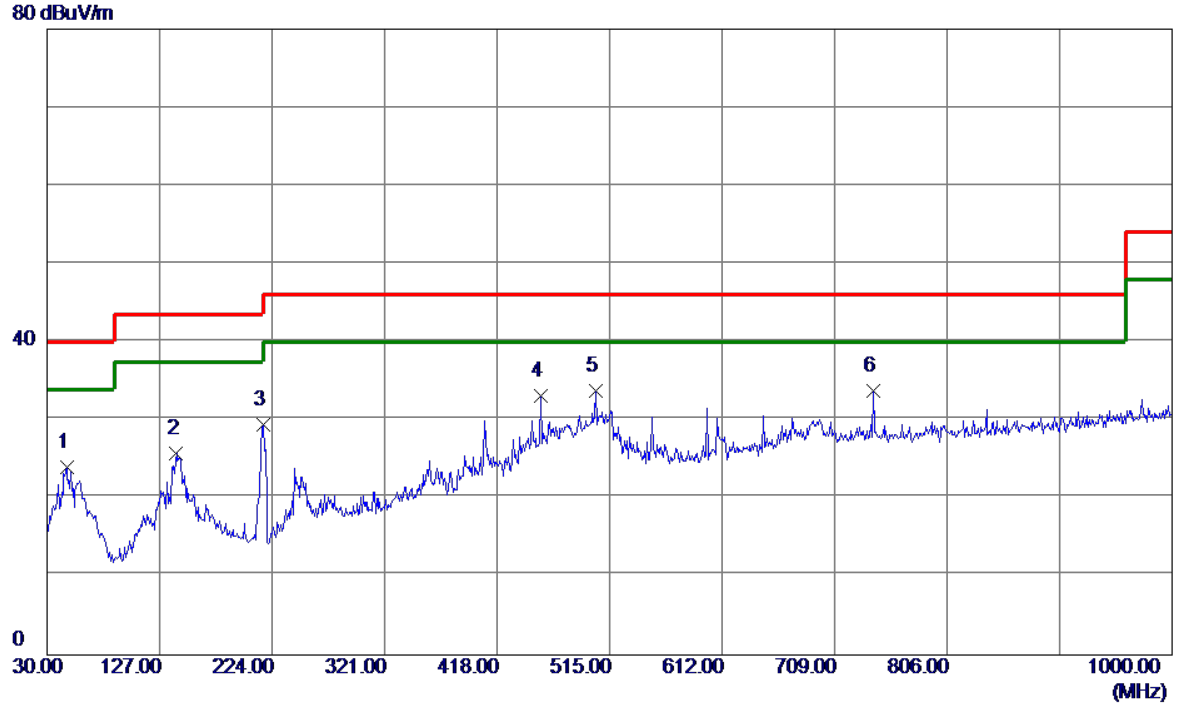
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	47.4600	39.62	-16.69	22.93	40.00	-17.07	QP
2	148.3400	40.04	-15.98	24.06	43.50	-19.44	QP
3	455.8300	42.63	-11.30	31.33	46.00	-14.67	QP
4	503.3600	41.59	-10.47	31.12	46.00	-14.88	QP
5	599.3900	40.09	-8.46	31.63	46.00	-14.37	QP
6 *	936.9500	36.51	-4.05	32.46	46.00	-13.54	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		



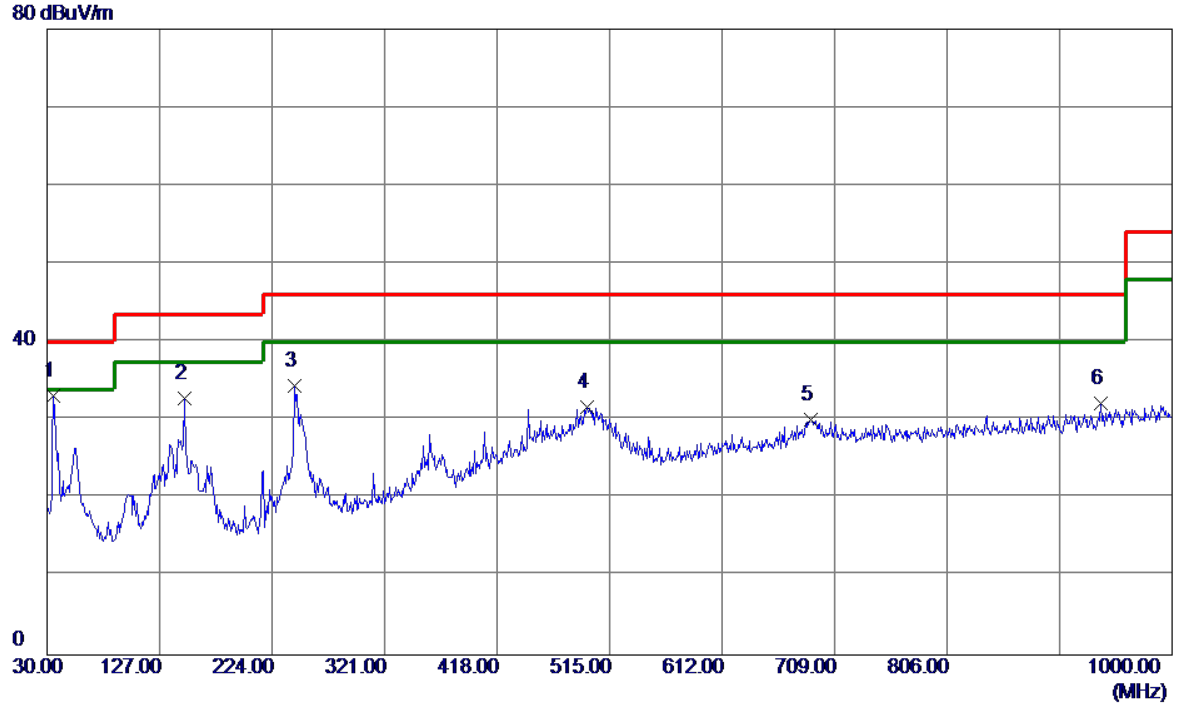
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	51.03	-18.04	32.99	40.00	-7.01	QP
2	148.3400	47.87	-16.02	31.85	43.50	-11.65	QP
3	245.3400	48.42	-17.15	31.27	46.00	-14.73	QP
4	507.2400	43.01	-10.56	32.45	46.00	-13.55	QP
5	709.0000	36.18	-6.90	29.28	46.00	-16.72	QP
6	943.7400	34.93	-3.68	31.25	46.00	-14.75	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		



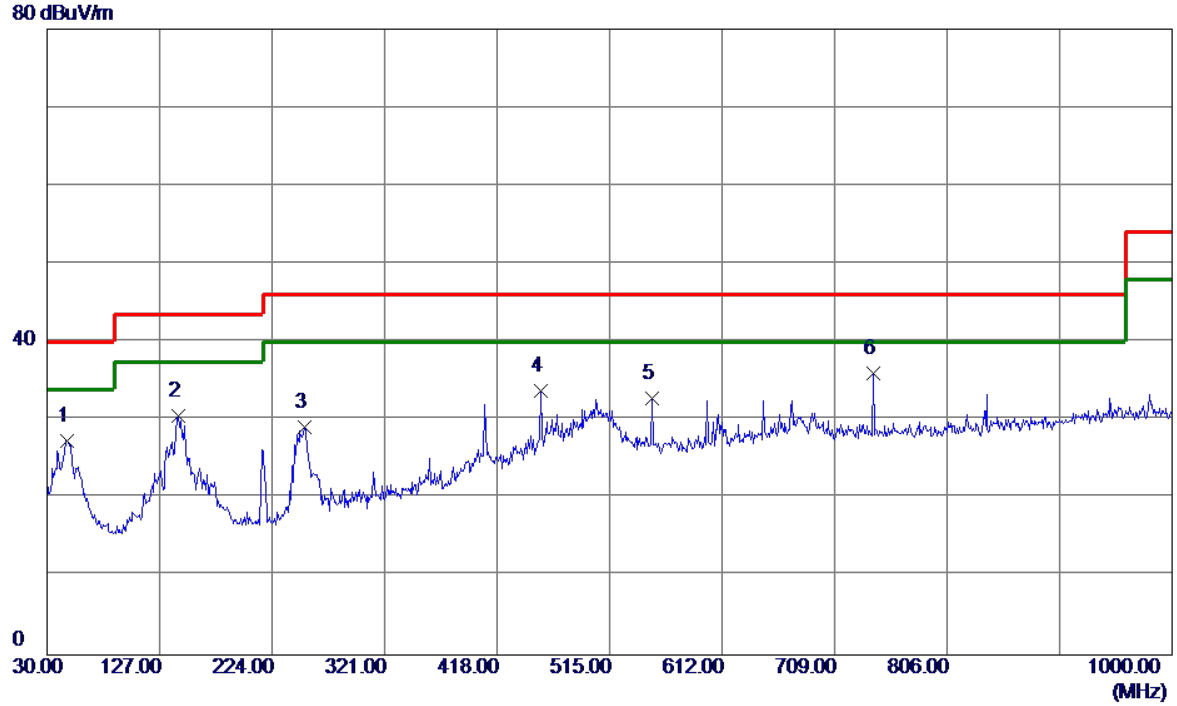
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	46.9750	40.70	-16.70	24.00	40.00	-16.00	QP
2	141.5500	42.07	-16.35	25.72	43.50	-17.78	QP
3	216.2400	48.67	-19.29	29.38	46.00	-16.62	QP
4	455.8300	44.38	-11.30	33.08	46.00	-12.92	QP
5	503.3600	44.24	-10.47	33.77	46.00	-12.23	QP
6 *	741.9800	40.10	-6.32	33.78	46.00	-12.22	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



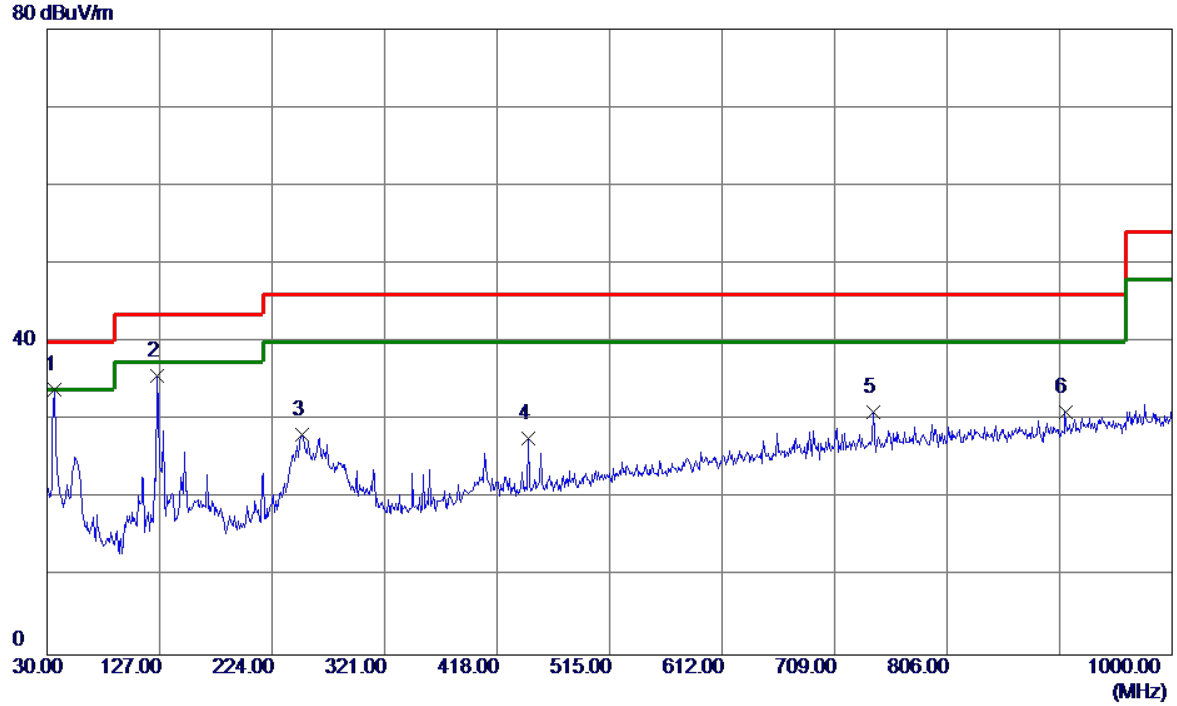
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	51.13	-18.04	33.09	40.00	-6.91	QP
2	148.3400	48.75	-16.02	32.73	43.50	-10.77	QP
3	243.4000	51.55	-17.20	34.35	46.00	-11.65	QP
4	495.6000	42.45	-10.76	31.69	46.00	-14.31	QP
5	688.6300	37.33	-7.25	30.08	46.00	-15.92	QP
6	938.8900	35.97	-3.78	32.19	46.00	-13.81	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		



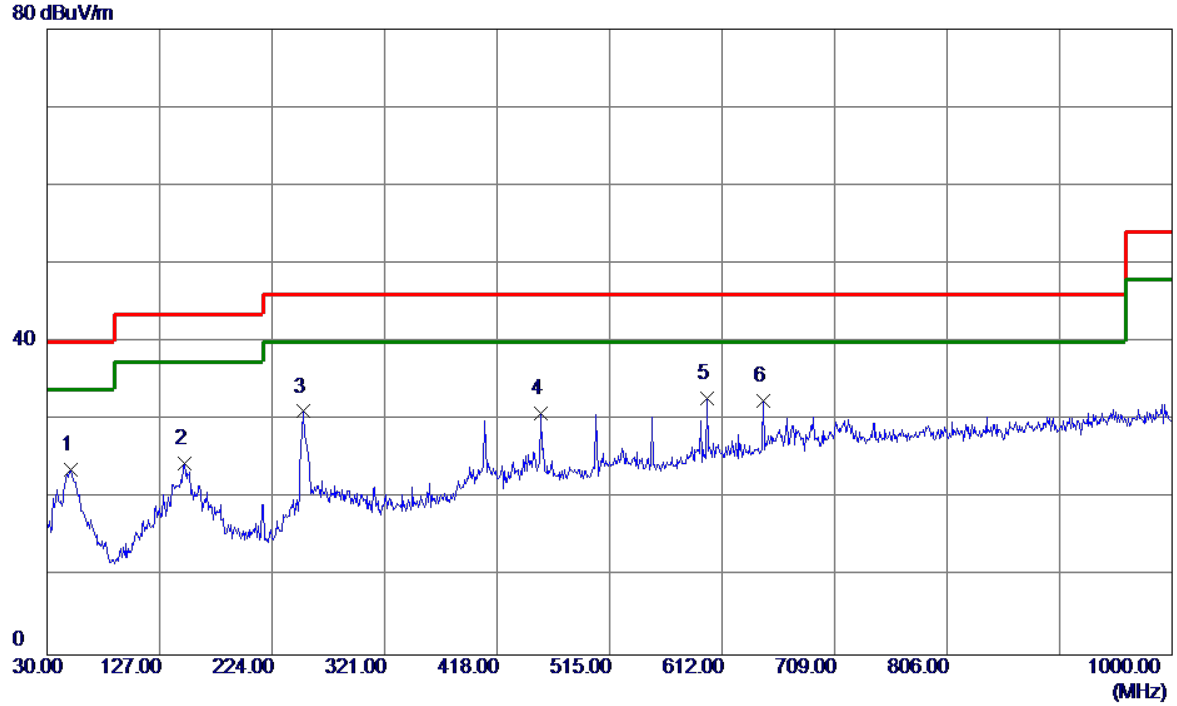
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	47.4600	44.06	-16.69	27.37	40.00	-12.63	QP
2	143.4900	46.79	-16.24	30.55	43.50	-12.95	QP
3	252.1300	46.01	-16.92	29.09	46.00	-16.91	QP
4	455.8300	45.00	-11.30	33.70	46.00	-12.30	QP
5	551.8600	42.44	-9.64	32.80	46.00	-13.20	QP
6 *	741.9800	42.28	-6.32	35.96	46.00	-10.04	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 2560*1440/144Hz		



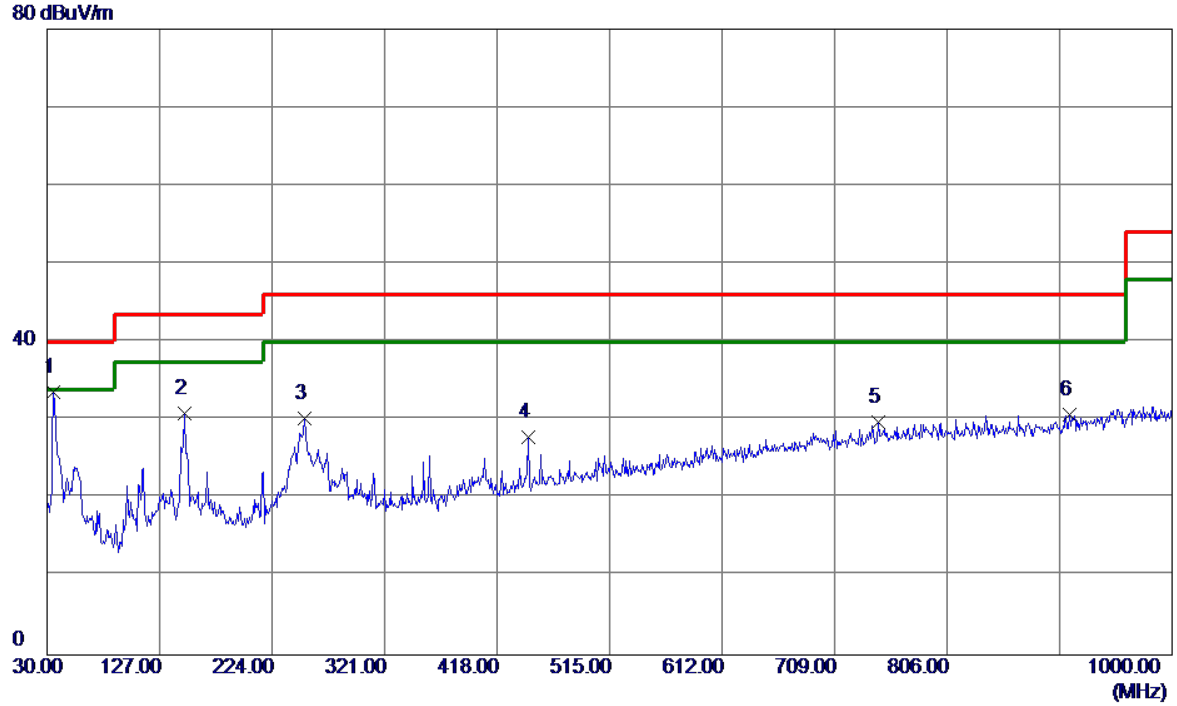
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	36.7900	51.80	-17.91	33.89	40.00	-6.11	QP
2	125.0600	53.80	-18.16	35.64	43.50	-7.86	QP
3	250.1900	45.16	-17.01	28.15	46.00	-17.85	QP
4	445.1600	39.31	-11.66	27.65	46.00	-18.35	QP
5	741.9800	37.31	-6.32	30.99	46.00	-15.01	QP
6	907.8500	35.53	-4.43	31.10	46.00	-14.90	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 2560*1440/144Hz		



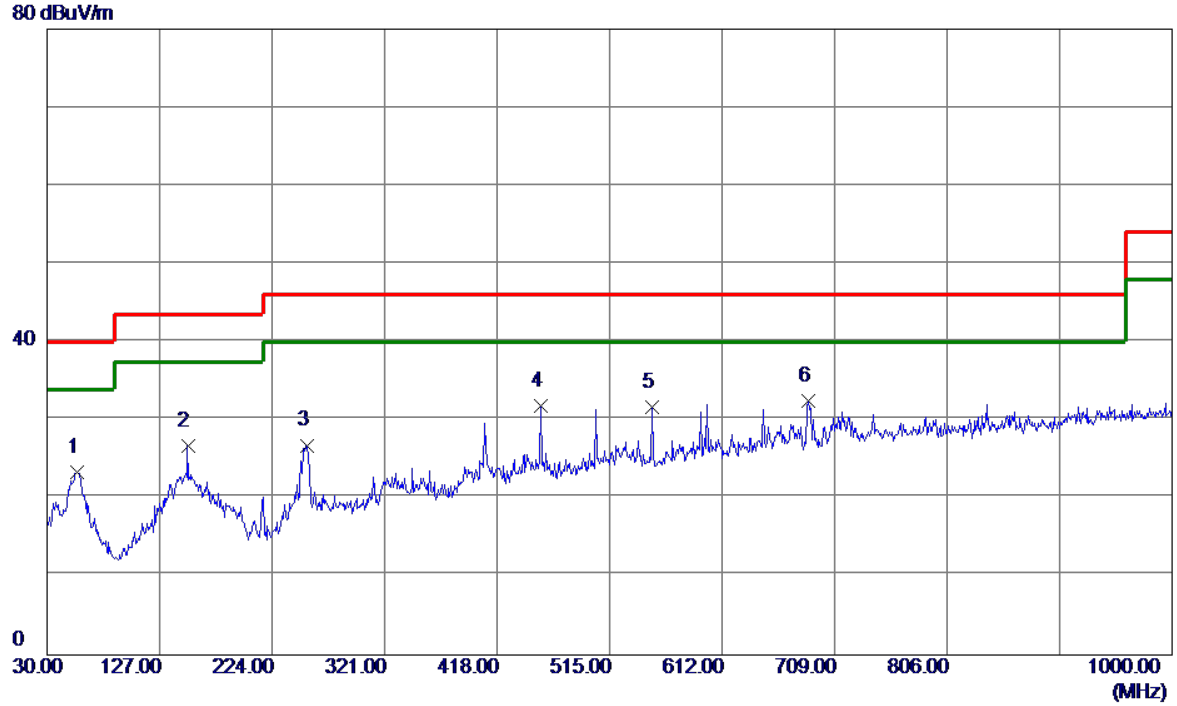
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	50.8550	40.34	-16.61	23.73	40.00	-16.27	QP
2	148.3400	40.43	-15.98	24.45	43.50	-19.05	QP
3	251.1600	48.07	-16.95	31.12	46.00	-14.88	QP
4	455.8300	42.19	-11.30	30.89	46.00	-15.11	QP
5 *	599.3900	41.23	-8.46	32.77	46.00	-13.23	QP
6	647.8900	40.41	-7.88	32.53	46.00	-13.47	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	DP 2560*1440/144Hz		



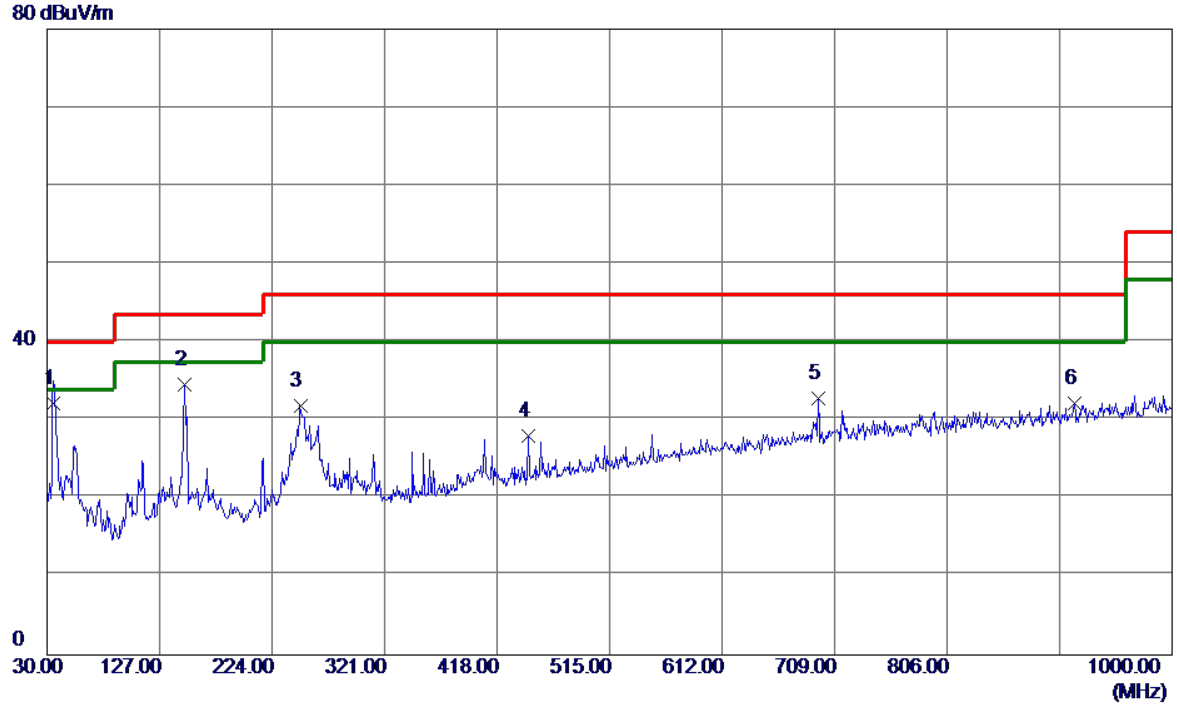
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	51.70	-18.04	33.66	40.00	-6.34	QP
2	148.3400	46.84	-16.02	30.82	43.50	-12.68	QP
3	252.1300	47.16	-16.96	30.20	46.00	-15.80	QP
4	445.1600	39.46	-11.66	27.80	46.00	-18.20	QP
5	746.8300	35.93	-6.24	29.69	46.00	-16.31	QP
6	911.7300	35.00	-4.35	30.65	46.00	-15.35	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	DP 2560*1440/144Hz		



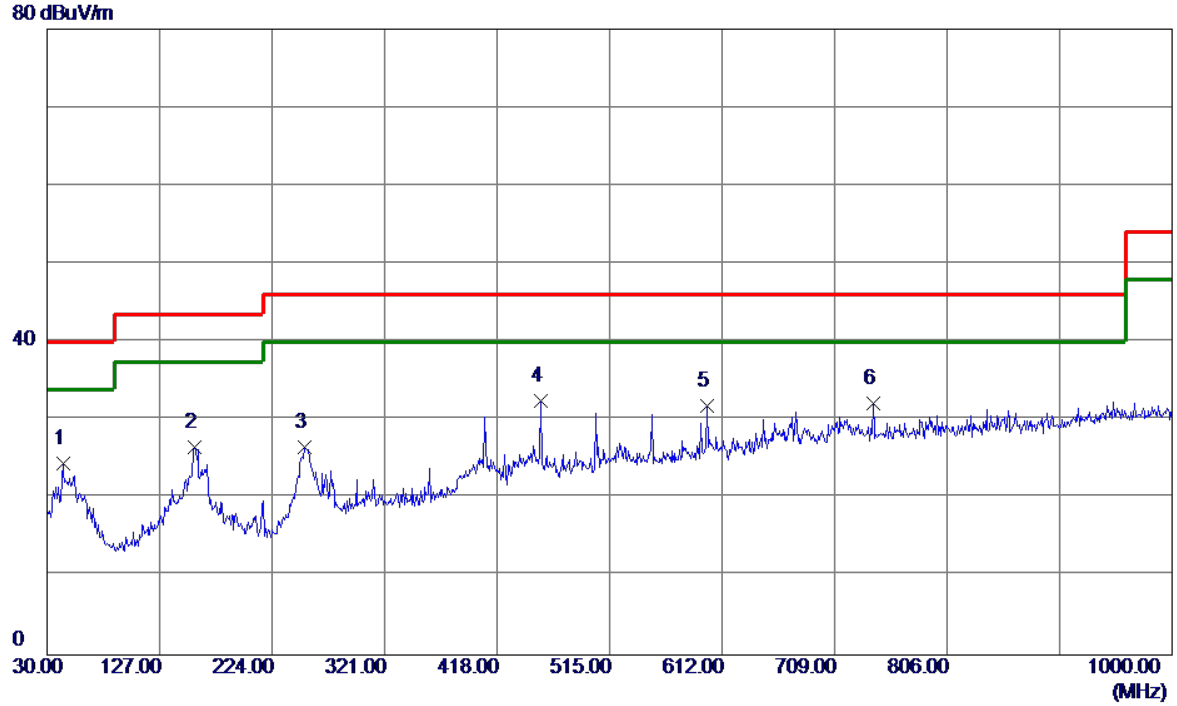
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	56.1900	40.15	-16.84	23.31	40.00	-16.69	QP
2	151.2500	42.66	-15.90	26.76	43.50	-16.74	QP
3	254.0700	43.66	-16.86	26.80	46.00	-19.20	QP
4	455.8300	43.12	-11.30	31.82	46.00	-14.18	QP
5	551.8600	41.35	-9.64	31.71	46.00	-14.29	QP
6 *	686.6900	39.71	-7.28	32.43	46.00	-13.57	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	50.23	-18.04	32.19	40.00	-7.81	QP
2	148.3400	50.60	-16.02	34.58	43.50	-8.92	QP
3	248.2500	48.89	-17.07	31.82	46.00	-14.18	QP
4	445.1600	39.72	-11.66	28.06	46.00	-17.94	QP
5	694.4500	39.88	-7.15	32.73	46.00	-13.27	QP
6	915.6100	36.46	-4.27	32.19	46.00	-13.81	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	43.5800	41.49	-16.94	24.55	40.00	-15.45	QP
2	157.0700	42.49	-15.97	26.52	43.50	-16.98	QP
3	252.1300	43.53	-16.92	26.61	46.00	-19.39	QP
4 *	455.8300	43.85	-11.30	32.55	46.00	-13.45	QP
5	599.3900	40.30	-8.46	31.84	46.00	-14.16	QP
6	741.9800	38.43	-6.32	32.11	46.00	-13.89	QP

3.3 RADIATED EMISSIONS ABOVE 1 GHZ

3.3.1 LIMIT

Frequency (MHz)	Class B (dBuV/m) (at 3m)	
	Peak	Average
Above 1000	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^{th} harmonic of the highest frequency or 40 GHz, whichever is lower

NOTE:
(1) The tighter limit applies at the band edges.
(2) Emission level (dBuV/m) = 20log Emission level (uV/m).
3m Emission level = 10m Emission level + 20log(10m/3m).
(3) 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

3.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Horn Antenna	EMCO	3115	9605-4803	Mar. 23, 2020
2	Amplifier	Agilent	8449B	3008A02584	Aug. 03, 2020
3	MXE EMI Receiver	Agilent	N9038A	MY53220133	Mar. 10, 2020
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A
5	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
6	Controller	MF	MF-7802	MF780208159	N/A
7	Cable	MIcable Inc.	B10-01-01-5M	18047123	Mar. 01, 2020
8	Cable	MIcable Inc.	B10-01-01-10M	18072746	Mar. 01, 2020
9	Cable	N/A	A50-3.5M3.5M-1.5M-AT	18041824	Mar. 01, 2020

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

3.3.3 TEST PROCEDURE

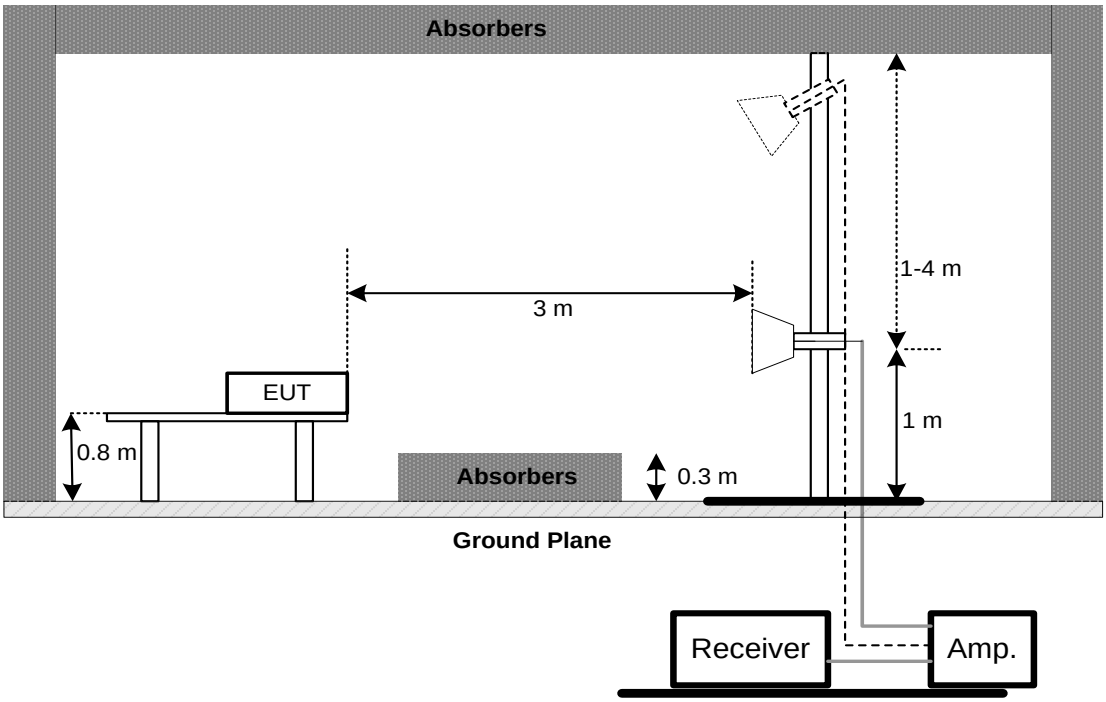
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The height of the equipment or of 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.
c. 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).
d. 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.
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 1 GHz.
f. 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.
g. For the actual test configuration, please refer to the related Item - Block Diagram of system tested.

3.3.4 DEVIATION FROM TEST STANDARD

No deviation

3.3.5 TEST SETUP

Above 1GHz

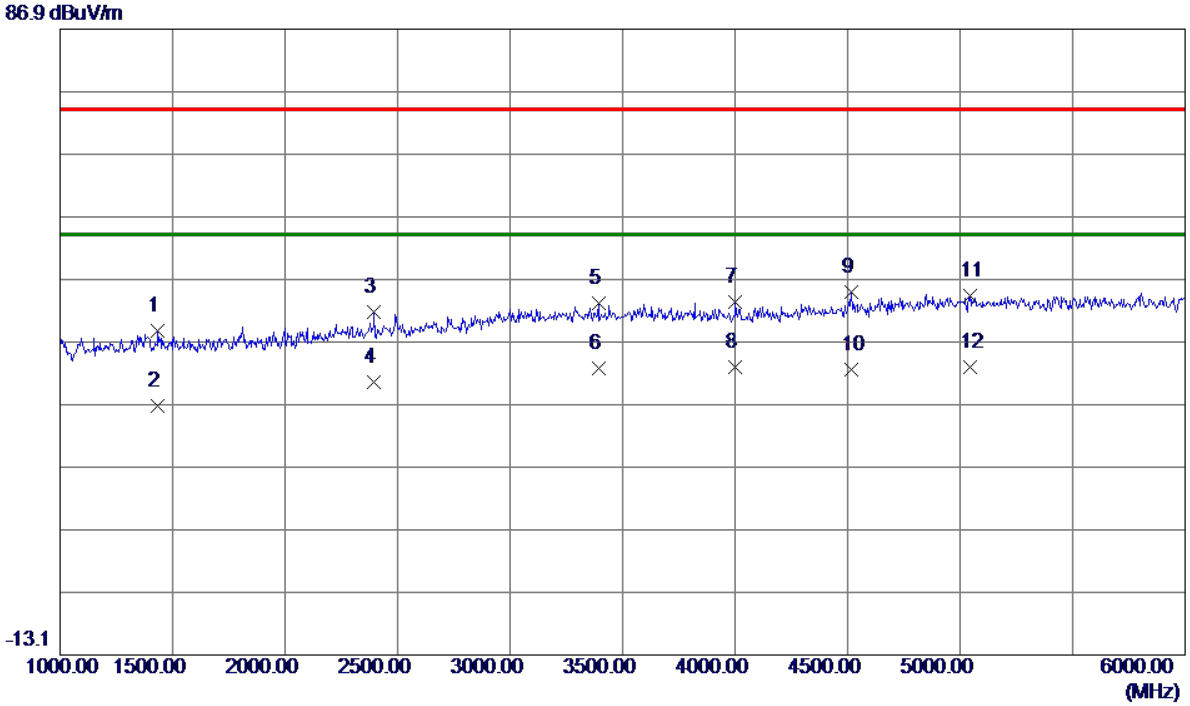


3.3.6 TEST RESULTS-ABOVE 1 GHZ

Remark：

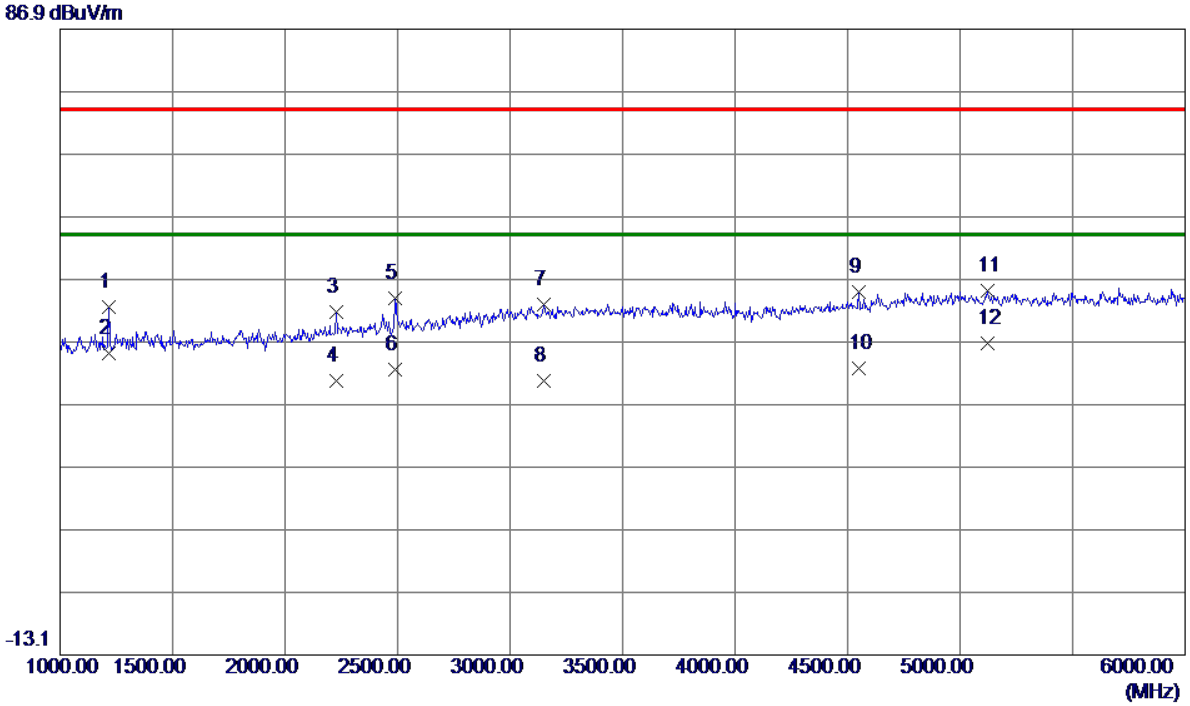
(1) Radiated emissions measured in frequency range above 1000 MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
(2) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
(3) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



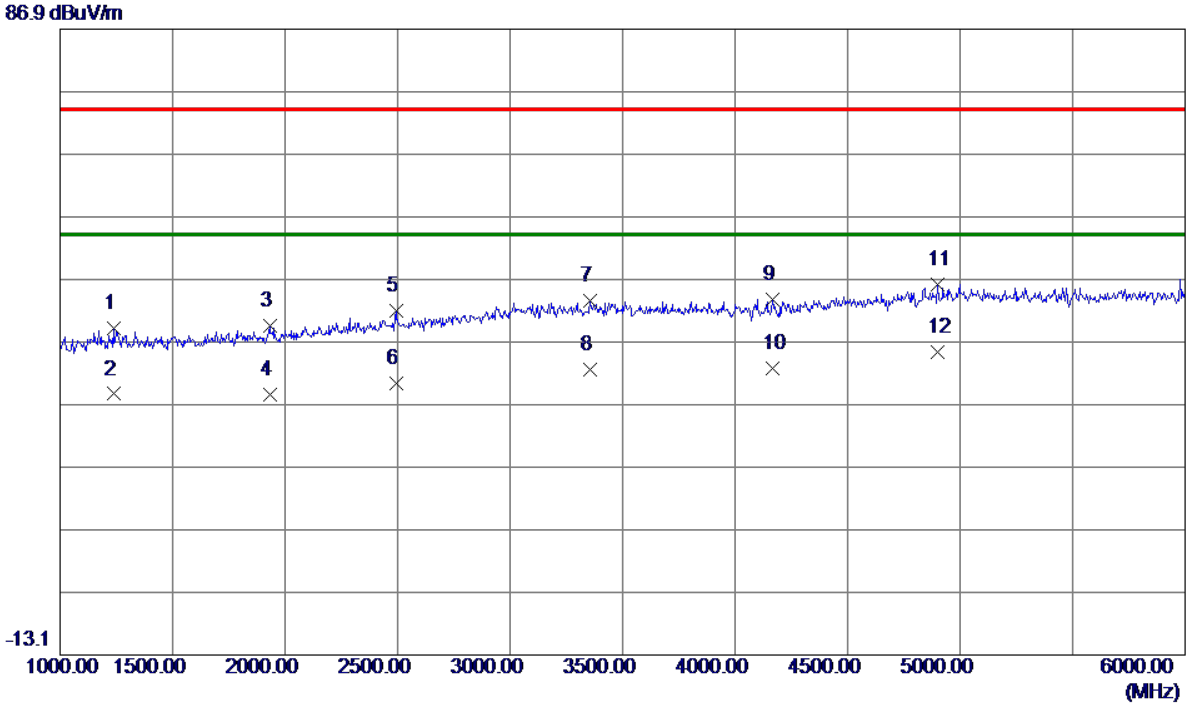
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1435.0000	42.54	-3.84	38.70	74.00	-35.30	Peak
2	1435.0000	30.53	-3.84	26.69	54.00	-27.31	AVG
3	2395.0000	41.69	0.04	41.73	74.00	-32.27	Peak
4	2395.0000	30.41	0.04	30.45	54.00	-23.55	AVG
5	3392.5000	39.28	3.88	43.16	74.00	-30.84	Peak
6	3392.5000	28.84	3.88	32.72	54.00	-21.28	AVG
7	4002.5000	38.34	4.97	43.31	74.00	-30.69	Peak
8 *	4002.5000	27.86	4.97	32.83	54.00	-21.17	AVG
9	4515.0000	38.59	6.29	44.88	74.00	-29.12	Peak
10	4515.0000	26.18	6.29	32.47	54.00	-21.53	AVG
11	5042.5000	36.25	8.01	44.26	74.00	-29.74	Peak
12	5042.5000	24.80	8.01	32.81	54.00	-21.19	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



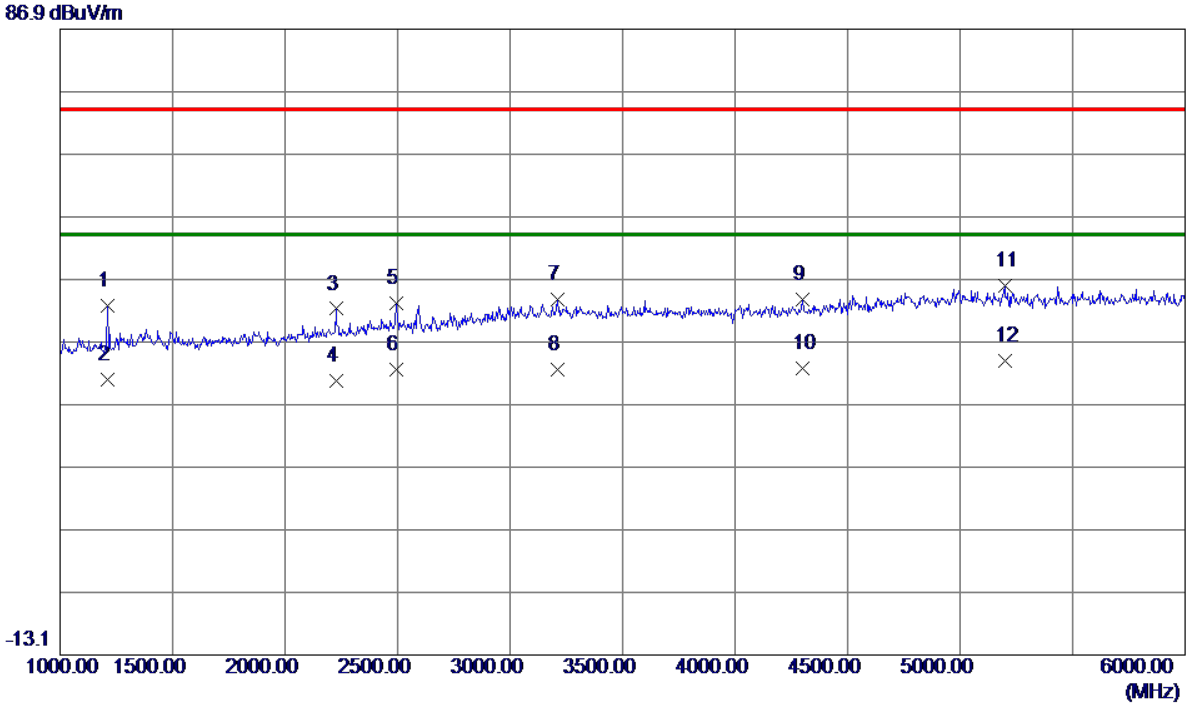
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1215.0000	47.60	-5.08	42.52	74.00	-31.48	Peak
2	1215.0000	40.24	-5.08	35.16	54.00	-18.84	AVG
3	2227.5000	42.47	-0.72	41.75	74.00	-32.25	Peak
4	2227.5000	31.42	-0.72	30.70	54.00	-23.30	AVG
5	2487.5000	43.44	0.46	43.90	74.00	-30.10	Peak
6	2487.5000	32.10	0.46	32.56	54.00	-21.44	AVG
7	3150.0000	39.59	3.37	42.96	74.00	-31.04	Peak
8	3150.0000	27.39	3.37	30.76	54.00	-23.24	AVG
9	4550.0000	38.56	6.41	44.97	74.00	-29.03	Peak
10	4550.0000	26.30	6.41	32.71	54.00	-21.29	AVG
11	5120.0000	36.97	8.09	45.06	74.00	-28.94	Peak
12 *	5120.0000	28.61	8.09	36.70	54.00	-17.30	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		



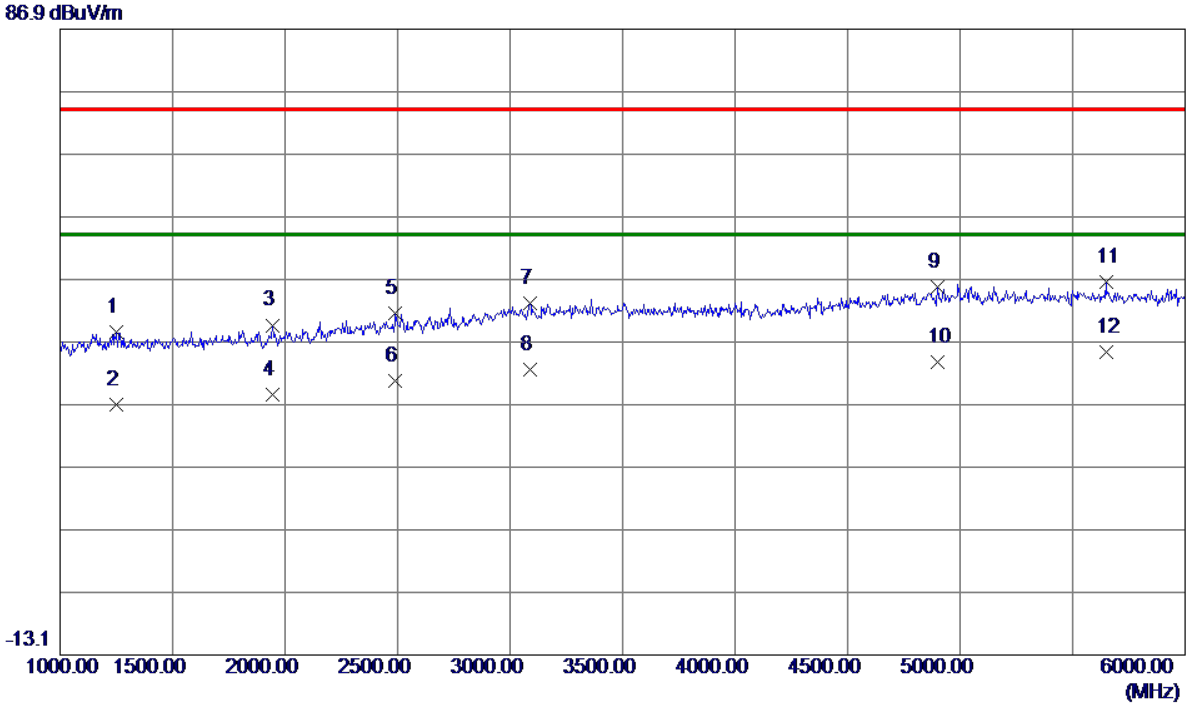
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1237.5000	43.99	-4.95	39.04	74.00	-34.96	Peak
2	1237.5000	33.55	-4.95	28.60	54.00	-25.40	AVG
3	1932.5000	41.56	-1.98	39.58	74.00	-34.42	Peak
4	1932.5000	30.47	-1.98	28.49	54.00	-25.51	AVG
5	2492.5000	41.42	0.49	41.91	74.00	-32.09	Peak
6	2492.5000	29.88	0.49	30.37	54.00	-23.63	AVG
7	3357.5000	39.62	3.81	43.43	74.00	-30.57	Peak
8	3357.5000	28.71	3.81	32.52	54.00	-21.48	AVG
9	4165.0000	38.26	5.38	43.64	74.00	-30.36	Peak
10	4165.0000	27.35	5.38	32.73	54.00	-21.27	AVG
11	4900.0000	38.46	7.62	46.08	74.00	-27.92	Peak
12 *	4900.0000	27.69	7.62	35.31	54.00	-18.69	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		



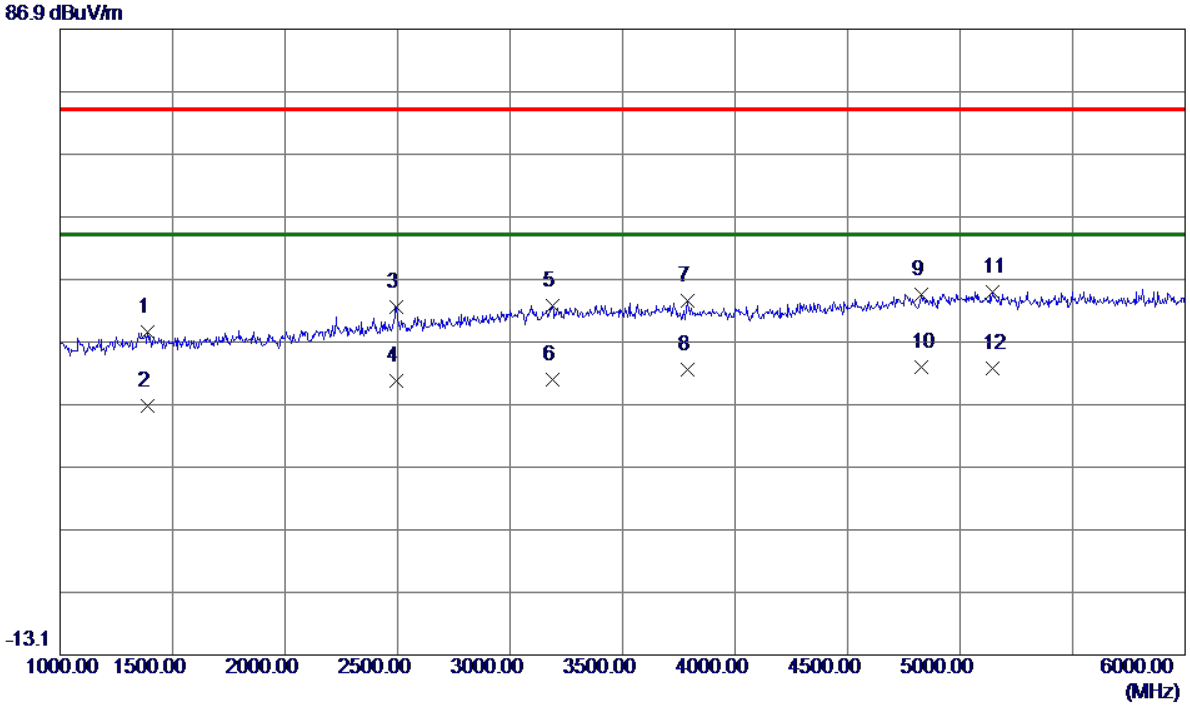
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1212.5000	47.86	-5.09	42.77	74.00	-31.23	Peak
2	1212.5000	35.99	-5.09	30.90	54.00	-23.10	AVG
3	2227.5000	42.92	-0.72	42.20	74.00	-31.80	Peak
4	2227.5000	31.50	-0.72	30.78	54.00	-23.22	AVG
5	2492.5000	42.57	0.49	43.06	74.00	-30.94	Peak
6	2492.5000	31.99	0.49	32.48	54.00	-21.52	AVG
7	3210.0000	40.23	3.50	43.73	74.00	-30.27	Peak
8	3210.0000	29.03	3.50	32.53	54.00	-21.47	AVG
9	4300.0000	37.92	5.73	43.65	74.00	-30.35	Peak
10	4300.0000	26.89	5.73	32.62	54.00	-21.38	AVG
11	5197.5000	37.67	8.16	45.83	74.00	-28.17	Peak
12 *	5197.5000	25.75	8.16	33.91	54.00	-20.09	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



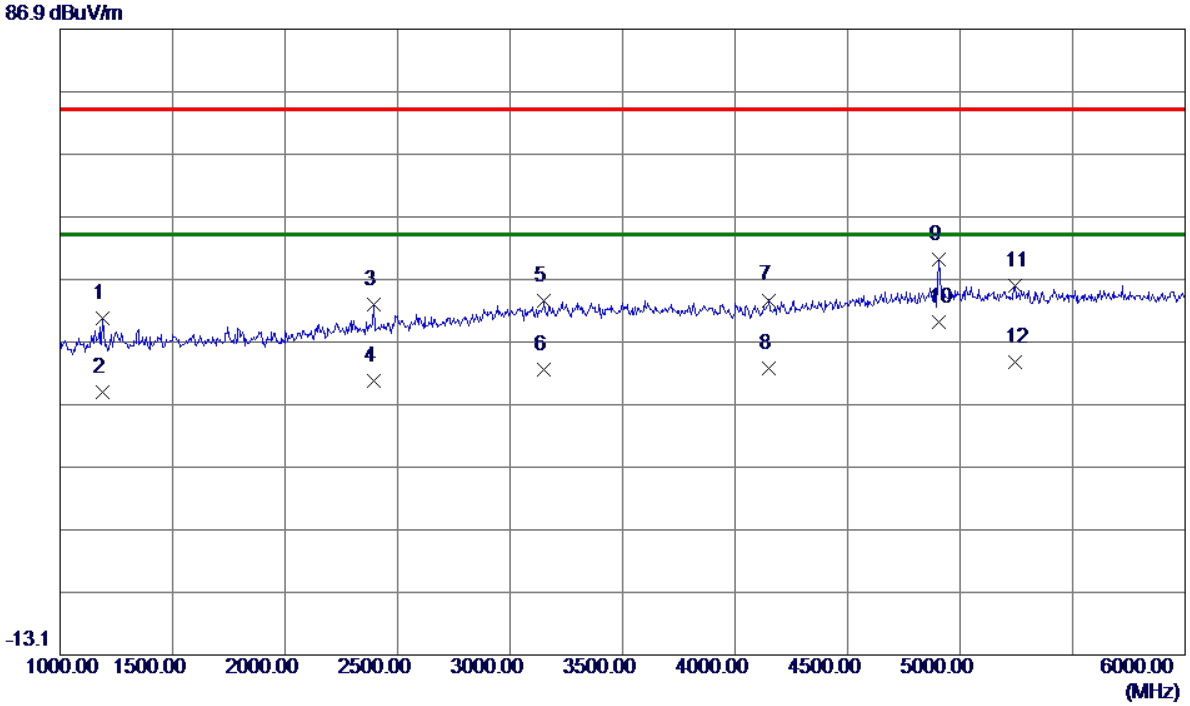
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1250.0000	43.47	-4.88	38.59	74.00	-35.41	Peak
2	1250.0000	31.83	-4.88	26.95	54.00	-27.05	AVG
3	1945.0000	41.54	-1.94	39.60	74.00	-34.40	Peak
4	1945.0000	30.45	-1.94	28.51	54.00	-25.49	AVG
5	2490.0000	41.08	0.47	41.55	74.00	-32.45	Peak
6	2490.0000	30.23	0.47	30.70	54.00	-23.30	AVG
7	3087.5000	39.77	3.24	43.01	74.00	-30.99	Peak
8	3087.5000	29.23	3.24	32.47	54.00	-21.53	AVG
9	4900.0000	38.15	7.62	45.77	74.00	-28.23	Peak
10	4900.0000	26.06	7.62	33.68	54.00	-20.32	AVG
11	5647.5000	37.98	8.58	46.56	74.00	-27.44	Peak
12 *	5647.5000	26.65	8.58	35.23	54.00	-18.77	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		



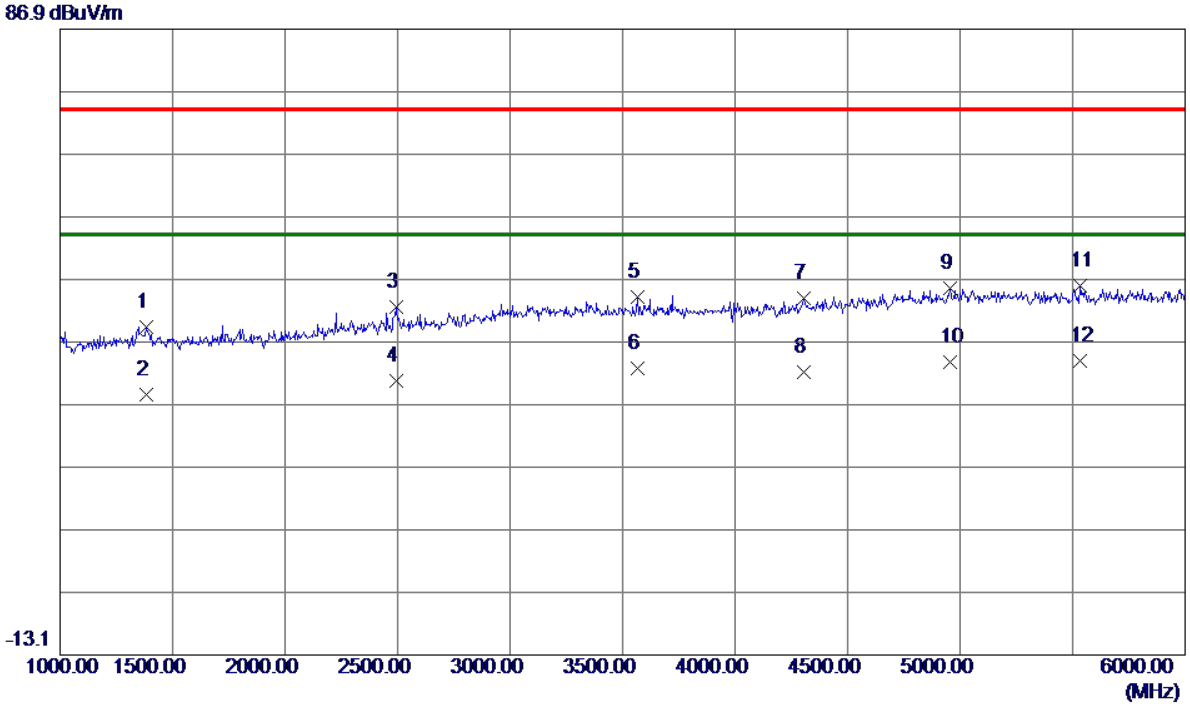
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1390.0000	42.62	-4.10	38.52	74.00	-35.48	Peak
2	1390.0000	30.79	-4.10	26.69	54.00	-27.31	AVG
3	2495.0000	42.03	0.50	42.53	74.00	-31.47	Peak
4	2495.0000	30.25	0.50	30.75	54.00	-23.25	AVG
5	3187.5000	39.32	3.45	42.77	74.00	-31.23	Peak
6	3187.5000	27.38	3.45	30.83	54.00	-23.17	AVG
7	3787.5000	38.85	4.60	43.45	74.00	-30.55	Peak
8	3787.5000	27.94	4.60	32.54	54.00	-21.46	AVG
9	4827.5000	37.18	7.37	44.55	74.00	-29.45	Peak
10 *	4827.5000	25.44	7.37	32.81	54.00	-21.19	AVG
11	5145.0000	36.85	8.11	44.96	74.00	-29.04	Peak
12	5145.0000	24.62	8.11	32.73	54.00	-21.27	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 2560*1440/144Hz		



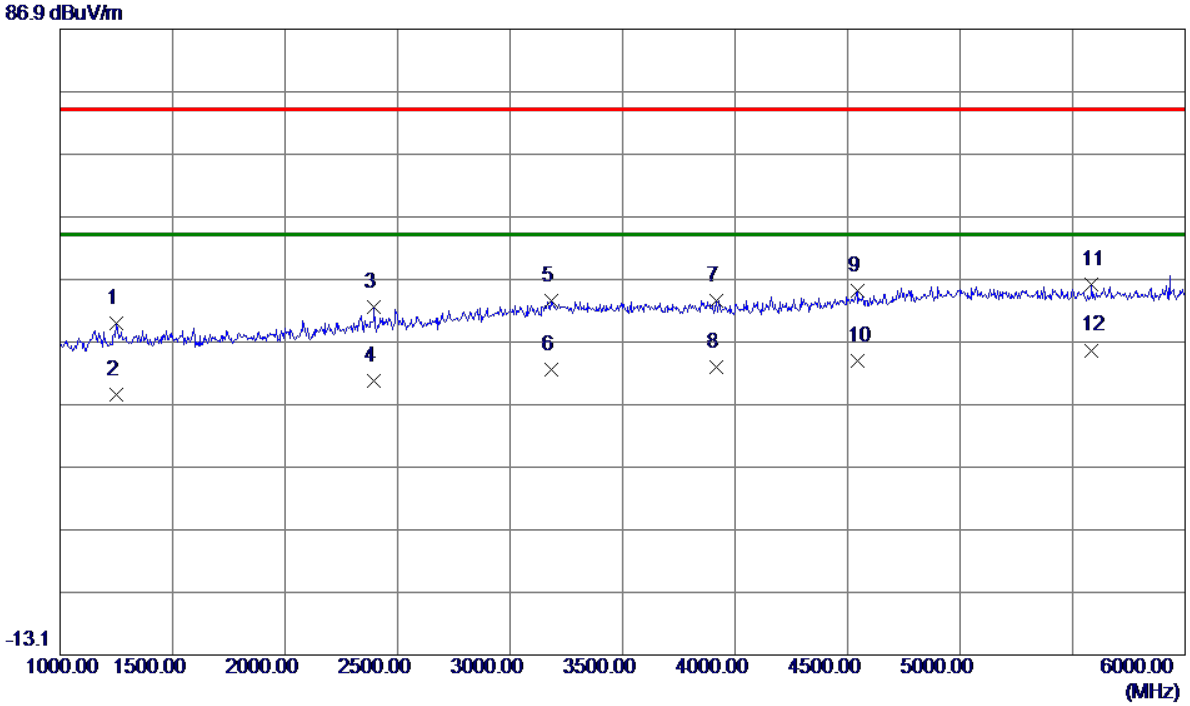
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1190.0000	45.95	-5.22	40.73	74.00	-33.27	Peak
2	1190.0000	34.20	-5.22	28.98	54.00	-25.02	AVG
3	2395.0000	42.81	0.04	42.85	74.00	-31.15	Peak
4	2395.0000	30.74	0.04	30.78	54.00	-23.22	AVG
5	3150.0000	40.19	3.37	43.56	74.00	-30.44	Peak
6	3150.0000	29.09	3.37	32.46	54.00	-21.54	AVG
7	4152.5000	38.25	5.35	43.60	74.00	-30.40	Peak
8	4152.5000	27.28	5.35	32.63	54.00	-21.37	AVG
9	4907.5000	42.41	7.65	50.06	74.00	-23.94	Peak
10 *	4907.5000	32.36	7.65	40.01	54.00	-13.99	AVG
11	5242.5000	37.79	8.20	45.99	74.00	-28.01	Peak
12	5242.5000	25.53	8.20	33.73	54.00	-20.27	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 2560*1440/144Hz		



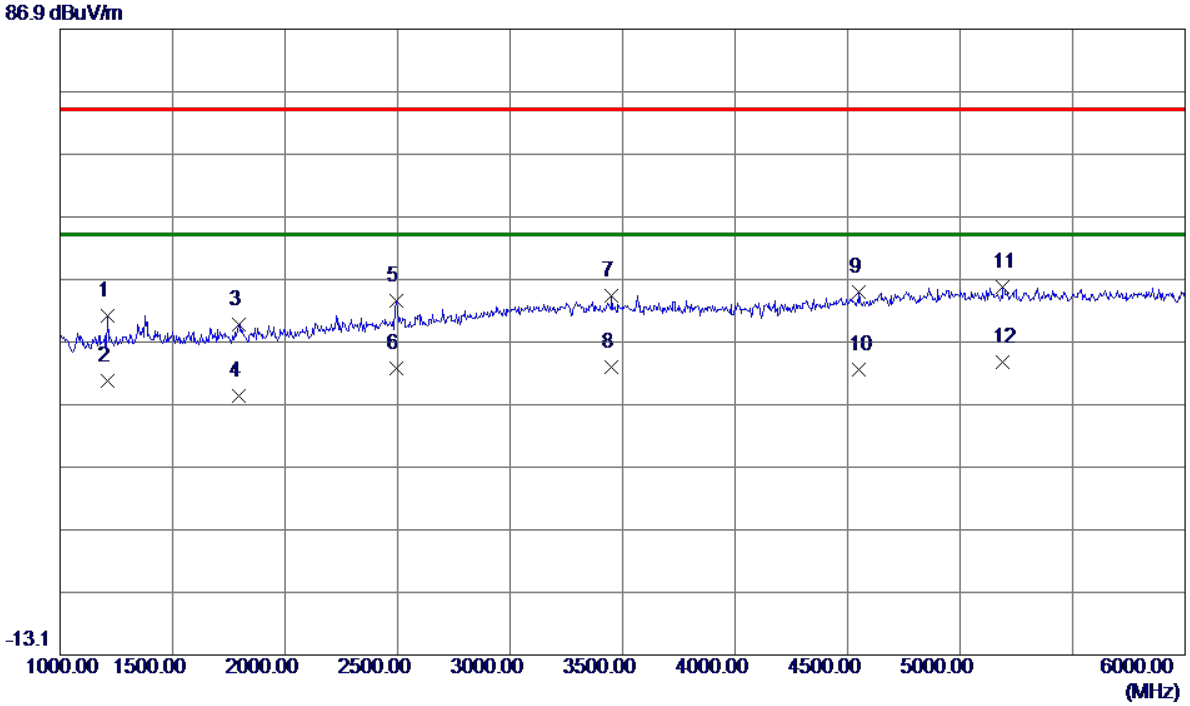
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1382.5000	43.52	-4.14	39.38	74.00	-34.62	Peak
2	1382.5000	32.72	-4.14	28.58	54.00	-25.42	AVG
3	2492.5000	42.03	0.49	42.52	74.00	-31.48	Peak
4	2492.5000	30.26	0.49	30.75	54.00	-23.25	AVG
5	3565.0000	39.95	4.22	44.17	74.00	-29.83	Peak
6	3565.0000	28.42	4.22	32.64	54.00	-21.36	AVG
7	4307.5000	38.18	5.75	43.93	74.00	-30.07	Peak
8	4307.5000	26.44	5.75	32.19	54.00	-21.81	AVG
9	4957.5000	37.65	7.82	45.47	74.00	-28.53	Peak
10	4957.5000	25.91	7.82	33.73	54.00	-20.27	AVG
11	5532.5000	37.40	8.48	45.88	74.00	-28.12	Peak
12 *	5532.5000	25.42	8.48	33.90	54.00	-20.10	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	DP 2560*1440/144Hz		



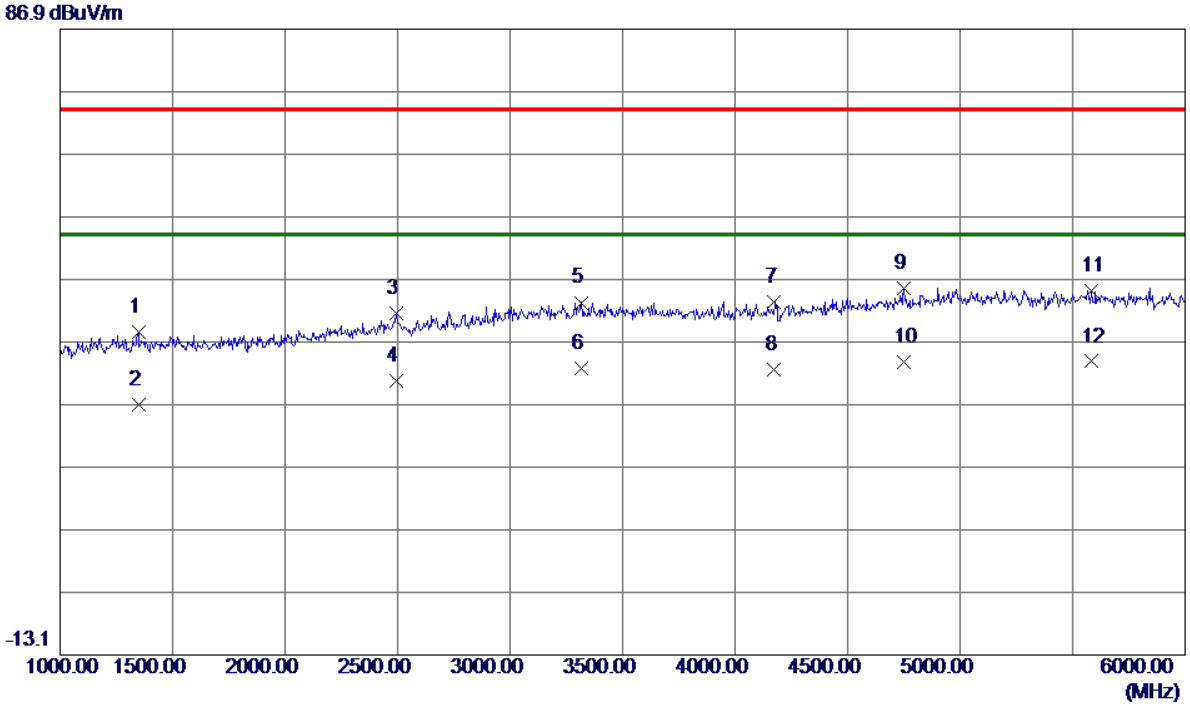
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1252.5000	44.70	-4.87	39.83	74.00	-34.17	Peak
2	1252.5000	33.43	-4.87	28.56	54.00	-25.44	AVG
3	2395.0000	42.43	0.04	42.47	74.00	-31.53	Peak
4	2395.0000	30.70	0.04	30.74	54.00	-23.26	AVG
5	3182.5000	40.09	3.44	43.53	74.00	-30.47	Peak
6	3182.5000	29.07	3.44	32.51	54.00	-21.49	AVG
7	3917.5000	38.77	4.82	43.59	74.00	-30.41	Peak
8	3917.5000	28.01	4.82	32.83	54.00	-21.17	AVG
9	4542.5000	38.70	6.39	45.09	74.00	-28.91	Peak
10	4542.5000	27.55	6.39	33.94	54.00	-20.06	AVG
11	5585.0000	37.64	8.52	46.16	74.00	-27.84	Peak
12 *	5585.0000	27.08	8.52	35.60	54.00	-18.40	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	DP 2560*1440/144Hz		



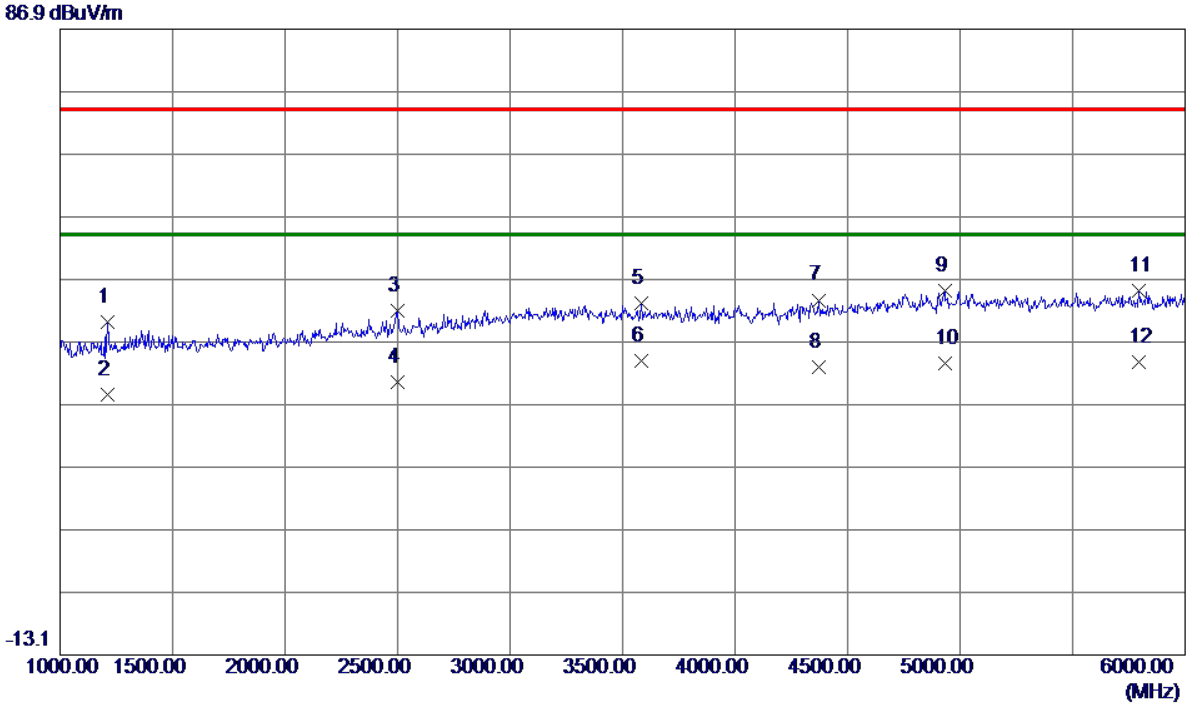
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1210.0000	46.26	-5.10	41.16	74.00	-32.84	Peak
2	1210.0000	35.76	-5.10	30.66	54.00	-23.34	AVG
3	1792.5000	42.20	-2.47	39.73	74.00	-34.27	Peak
4	1792.5000	30.86	-2.47	28.39	54.00	-25.61	AVG
5	2495.0000	43.04	0.50	43.54	74.00	-30.46	Peak
6	2495.0000	32.25	0.50	32.75	54.00	-21.25	AVG
7	3450.0000	40.29	4.00	44.29	74.00	-29.71	Peak
8	3450.0000	28.81	4.00	32.81	54.00	-21.19	AVG
9	4550.0000	38.40	6.41	44.81	74.00	-29.19	Peak
10	4550.0000	26.08	6.41	32.49	54.00	-21.51	AVG
11	5190.0000	37.55	8.15	45.70	74.00	-28.30	Peak
12 *	5190.0000	25.61	8.15	33.76	54.00	-20.24	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1347.5000	42.81	-4.33	38.48	74.00	-35.52	Peak
2	1347.5000	31.28	-4.33	26.95	54.00	-27.05	AVG
3	2495.0000	40.97	0.50	41.47	74.00	-32.53	Peak
4	2495.0000	30.28	0.50	30.78	54.00	-23.22	AVG
5	3315.0000	39.48	3.72	43.20	74.00	-30.80	Peak
6	3315.0000	28.90	3.72	32.62	54.00	-21.38	AVG
7	4175.0000	37.82	5.41	43.23	74.00	-30.77	Peak
8	4175.0000	27.13	5.41	32.54	54.00	-21.46	AVG
9	4750.0000	38.46	7.10	45.56	74.00	-28.44	Peak
10	4750.0000	26.63	7.10	33.73	54.00	-20.27	AVG
11	5585.0000	36.65	8.52	45.17	74.00	-28.83	Peak
12 *	5585.0000	25.28	8.52	33.80	54.00	-20.20	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		

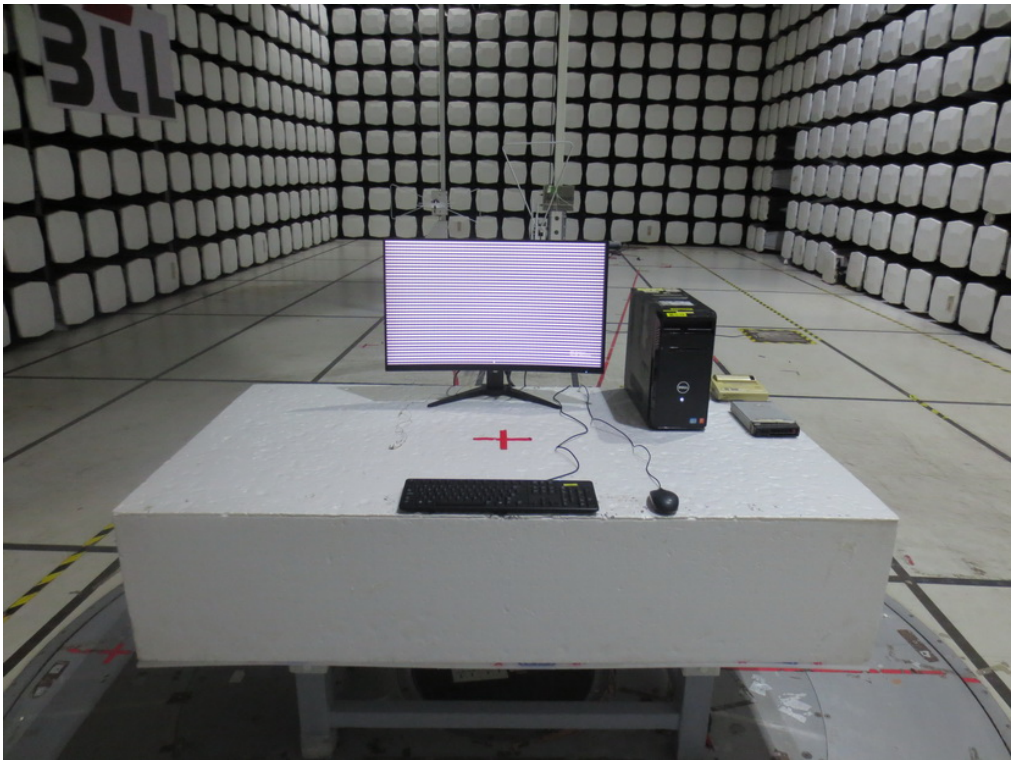


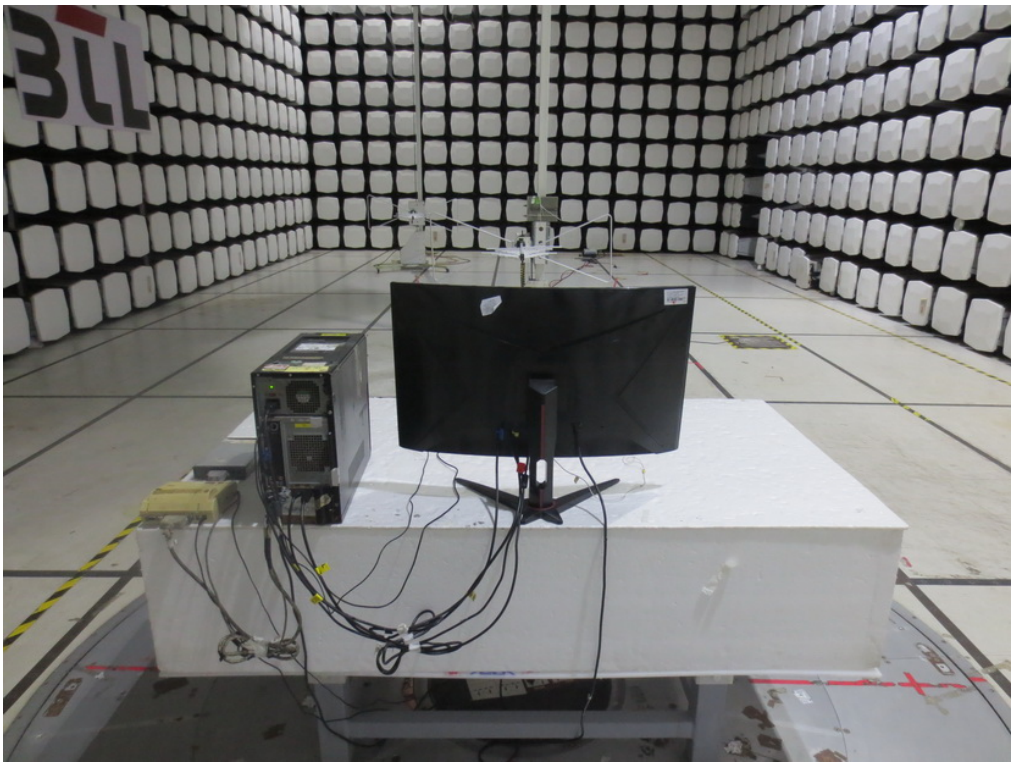
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1212.5000	45.18	-5.09	40.09	74.00	-33.91	Peak
2	1212.5000	33.66	-5.09	28.57	54.00	-25.43	AVG
3	2500.0000	41.40	0.52	41.92	74.00	-32.08	Peak
4	2500.0000	29.94	0.52	30.46	54.00	-23.54	AVG
5	3585.0000	38.85	4.25	43.10	74.00	-30.90	Peak
6 *	3585.0000	29.58	4.25	33.83	54.00	-20.17	AVG
7	4370.0000	37.69	5.91	43.60	74.00	-30.40	Peak
8	4370.0000	27.03	5.91	32.94	54.00	-21.06	AVG
9	4932.5000	37.35	7.74	45.09	74.00	-28.91	Peak
10	4932.5000	25.77	7.74	33.51	54.00	-20.49	AVG
11	5795.0000	36.42	8.70	45.12	74.00	-28.88	Peak
12	5795.0000	25.06	8.70	33.76	54.00	-20.24	AVG

4. EUT TEST PHOTO

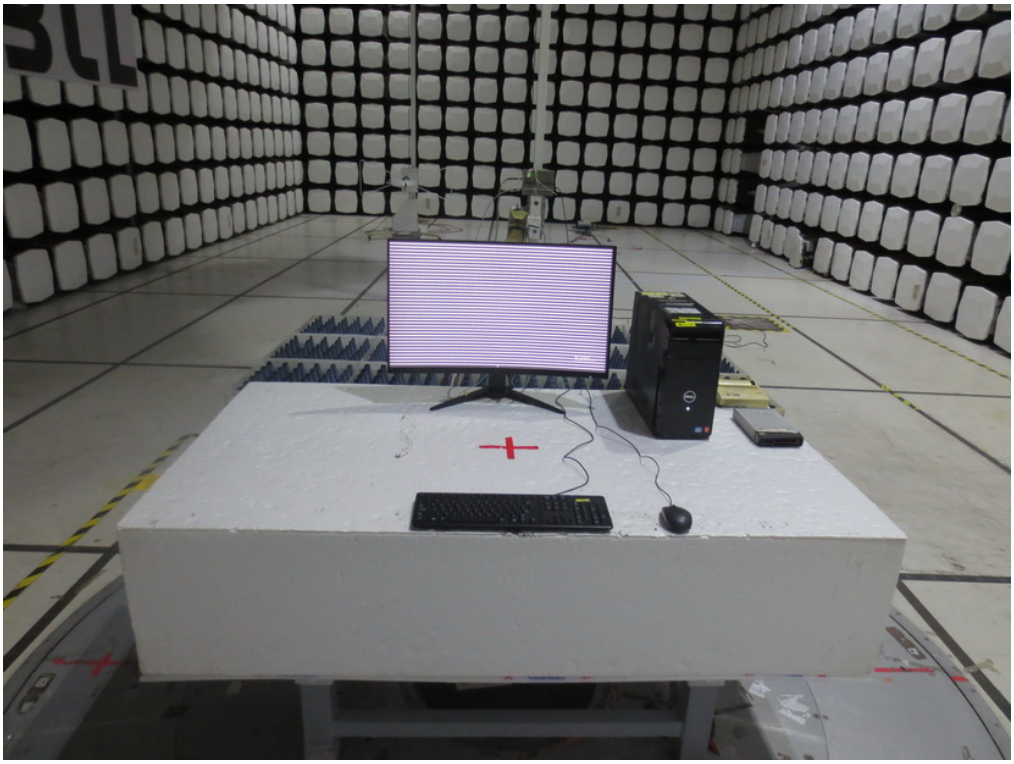
AC Power Line Conducted Emissions

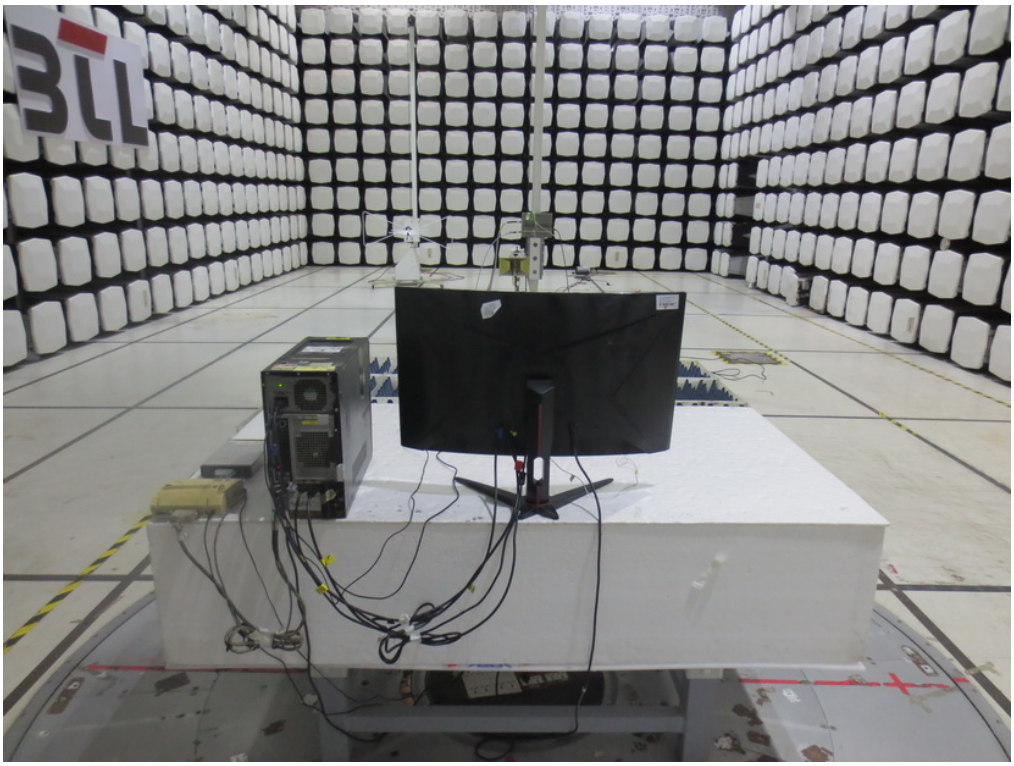
Radiated Emissions 30 MHz to 1 GHz





Radiated Emissions Above 1 GHz





End of Test Report