CE 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)	:	EN 55032:2012+AC:2013 EN 55032:2015 EN 55032:2015+AC:2016 IEC 61000-3-2:2014 / EN 61000-3-2:2014 IEC 61000-3-3:2013 / EN 61000-3-3:2013 EN 55024:2010 EN 55024:2010+A1:2015

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 NVLAP, NIST, A2LA, or any agency of the U.S. Government.

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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.

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REPORT ISSUED HISTORY

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

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Emission			
Standard(s)	Test Item		Result
EN 55032:2012+AC:2013 EN 55032:2015 EN 55032:2015+AC:2016	Radiated emissions up to 1 GHz		PASS
	Radiated emissions above 1 GHz		PASS
	Radiated emissions from FM receivers		N/A
	Conducted emissions AC mains power port		PASS
	Asymmetric mode conducted emissions	AAN	N/A
		Current Probe	N/A
		CP+CVP	N/A
	Conducted differential voltage emissions		N/A

Standard(s)	Test Item	Result
IEC 61000-3-2:2014 EN 61000-3-2:2014	Harmonic current	PASS
IEC 61000-3-3:2013 EN 61000-3-3:2013	Voltage fluctuations (Flicker)	PASS

Immunity			
Standard(s)	Ref Standard(s)	Test Item	Result
EN 55024: 2010/ EN 55024:2010+A1:2015	EN 61000-4-2:2009 IEC 61000-4-2:2008	ESD	PASS
	EN 61000-4-3: 2006+A1:2008+A2:2010 IEC 61000-4-3: 2006+A1:2007+A2:2010	RS	PASS
	EN 61000-4-4:2012 IEC 61000-4-4:2012	EFT	PASS
	EN 61000-4-5:2014+A1:2017 IEC 61000-4-5:2014+A1:2017	Surge	PASS
	EN 61000-4-6:2014+AC:2015 IEC 61000-4-6:2013	CS	PASS
	EN 61000-4-8:2010 IEC 61000-4-8:2009	PFMF	PASS
	EN 61000-4-11:2004+A1:2017 IEC 61000-4-11:2004+A1:2017	Dip	PASS

NOTE:

(1) “N/A” denotes test is not applicable to this device.

1.1 TEST FACILITY

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

1.2 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** ± **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. Radiated emissions up to 1 GHz measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB08 (10m)	CISPR	30MHz ~ 200MHz	V	4.54
		30MHz ~ 200MHz	H	3.98
		200MHz ~ 1,000MHz	V	3.98
		200MHz ~ 1,000MHz	H	3.76

B. Radiated emissions above 1 GHz measurement:

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

C. Conducted emissions AC mains power port measurement:

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

D. Harmonic current emissions / Voltage fluctuations (Flicker) measurement:

Test Site	Method	Item	U(%)
DG-C01	EN 61000-3-2	Current	0.782
	EN 61000-3-3	Voltage	0.774

E. Immunity Measurement:

Test Site	Method	Item	U
DG-SR02	IEC 61000-4-2	Rise time tr	14.60 %
		Peak current Ip	1.72 %
		Current at 30 ns	2.0 %
		Current at 60 ns	1.84 %
DG-CB05	IEC 61000-4-3	80 MHz~1 GHz	2.175 dB
DG-SR05	IEC 61000-4-4	Voltage rise time (tr)	10.40 %
		Voltage peak value(V_P)	8.20 %
		Voltage pulse width(tw)	6.0 %
DG-SR01	IEC 61000-4-5	Voltage front time (T_{fv})	5.80 %
		Voltage peak value(V_P)	3.90 %
		Voltage duration(t_d)	0.60 %
DG-CB06	IEC 61000-4-6	CDN	3.25 dB
		EM clamp	4.410 dB
DG-SR05	IEC 61000-4-8	Magnetic Field Level	3.787 %
DG-SR05	IEC 61000-4-11	voltage fall time (T_f)	2.0 %

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
Radiated emissions up to 1 GHz	25°C	60%	Lorry Lao
Radiated emissions above 1 GHz	25°C	60%	Lorry Lao
Conducted emissions AC mains power port	25°C	53%	Lea Lu
Harmonic current	25°C	55%	Lea Lu
Voltage fluctuations (Flicker)	25°C	55%	Lea Lu

Test Item	Temperature	Humidity	Pressure	Tested By
ESD	25°C	45%	1010hPa	Rich Ye
RS	25°C	50%	/	Hunter Xu
EFT	25°C	46%	/	Celina Lai
Surge	25°C	46%	/	Celina Lai
CS	24°C	50%	/	Daniel Li
PFMF	25°C	46%	/	Celina Lai
Dip	25°C	46%	/	Celina Lai

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

Radiated emissions up 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

Conducted emissions AC mains power port test	
Final Test Mode	Description
Mode 1	HDMI1 1920*1080/165Hz
Mode 4	D-SUB 1920*1080/60Hz
Mode 5	HDMI1 1080P

Harmonic current & Voltage fluctuations (Flicker) Test	
Final Test Mode	Description
Mode 1	HDMI1 1920*1080/165Hz

Immunity Test	
Final Test Mode	Description
Mode 1	HDMI1 1920*1080/165Hz

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

Radiated emissions up 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

Conducted emissions AC mains power port test	
Final Test Mode	Description
Mode 1	HDMI1 2560*1440/144Hz
Mode 3	DP 2560*1440/144Hz
Mode 5	HDMI2 1080P

Harmonic current & Voltage fluctuations (Flicker) Test	
Final Test Mode	Description
Mode 1	HDMI1 2560*1440/144Hz

Immunity Test	
Final Test Mode	Description
Mode 1	HDMI1 2560*1440/144Hz

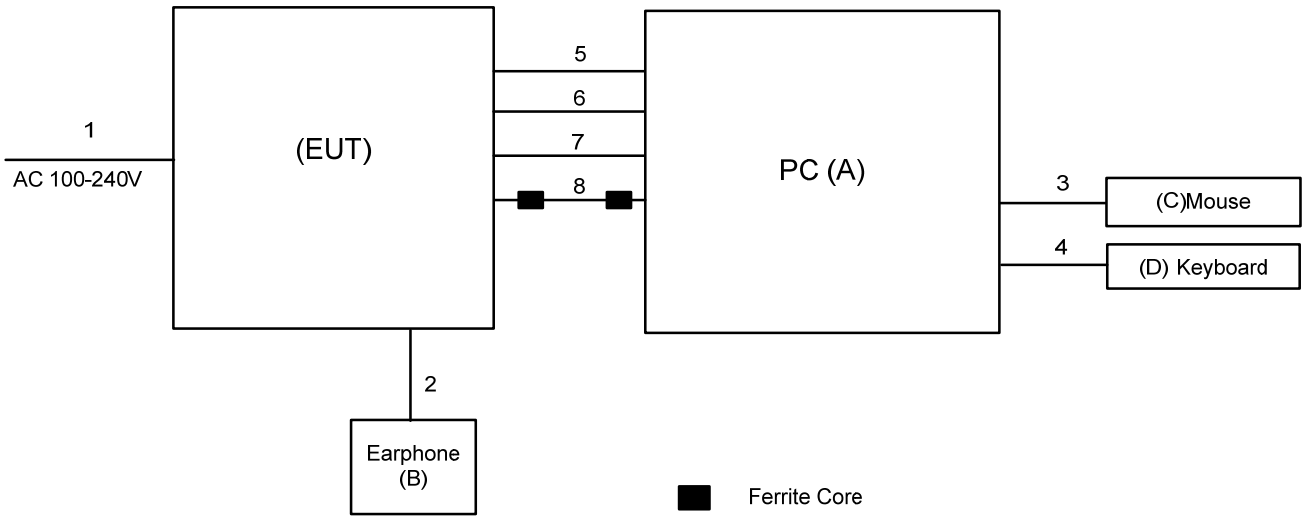
Evaluation description:
1. The maximum resolution is evaluated Mode 1-5. The worst case is Mode 1 and evaluated the middle and low resolution Mode 6 and Mode 7.
2. According to the client's requirement, choose Mode 1, Mode 3, Mode 5 and recorded in test report.

2.3 EUT OPERATING CONDITIONS

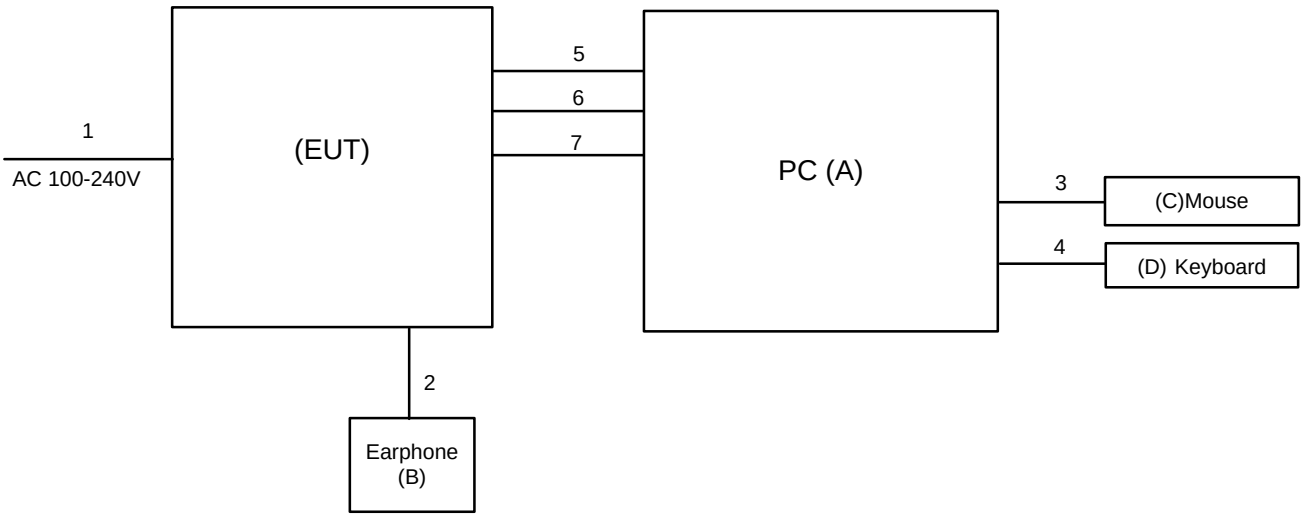
The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The standard test signals and output signal as following:
1. EUT connected to PC via HDMI & Display &D-SUB(for C32G2) cable.
2. PC connected to Mouse and Keyboard via USB cable.
3. EUT connected to Earphone via Earphone cable.

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	Mouse	DELL	MS111-P	CN011D3V71581279OLOT
D	Keyboard	DELL	KB212-B	CN0HTXH97158125004DXA01

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

3. EMC EMISSION TEST- EN55032:2012+AC:2013 & 2015

3.1 RADIATED EMISSION UP TO 1 GHZ

3.1.1 LIMITS

Class B equipment up to 1000MHz

Frequency MHz	Measurement		Class B limit dB(uV/m)
	Distance m	Detector type/bandwidth	SAC
30-230	10	Quasi peak / 120 kHz	30
230-1000			37

Notes:

(1) The limit for radiated test was performed according to as following: EN 55032

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(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

3.1.2 MEASUREMENT INSTRUMENTS LIST

Up to 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	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 no., no serial no. or no calibration specified.
All calibration period of equipment list is one year.

3.1.3 TEST PROCEDURE

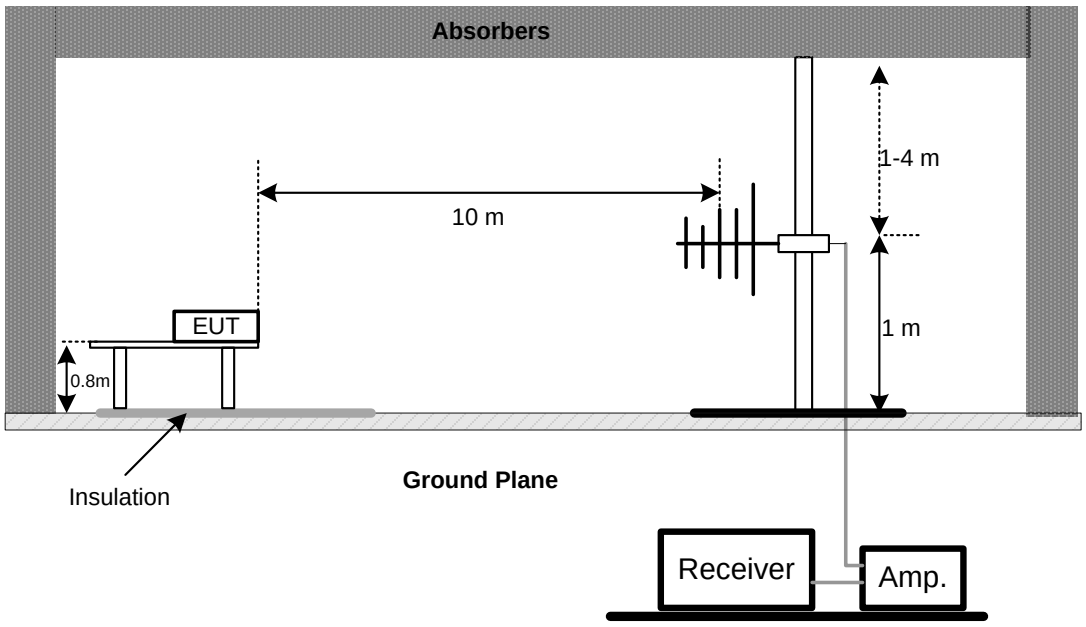
a. The measuring distance of 10 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz).
c. The height of the equipment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

3.1.4 DEVIATION FROM TEST STANDARD

No deviation

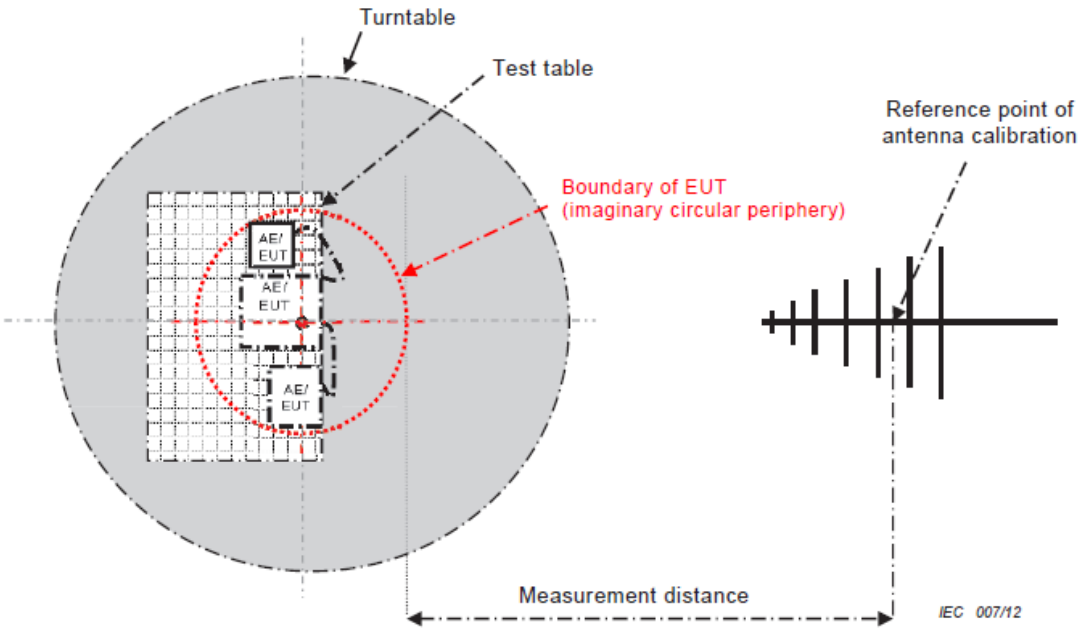
3.1.5 TEST SETUP

UP TO 1 GHZ



Note: The antenna can be moved between 1 to 4 meters above the ground**.**

3.1.6 MEASUREMENT DISTANCE



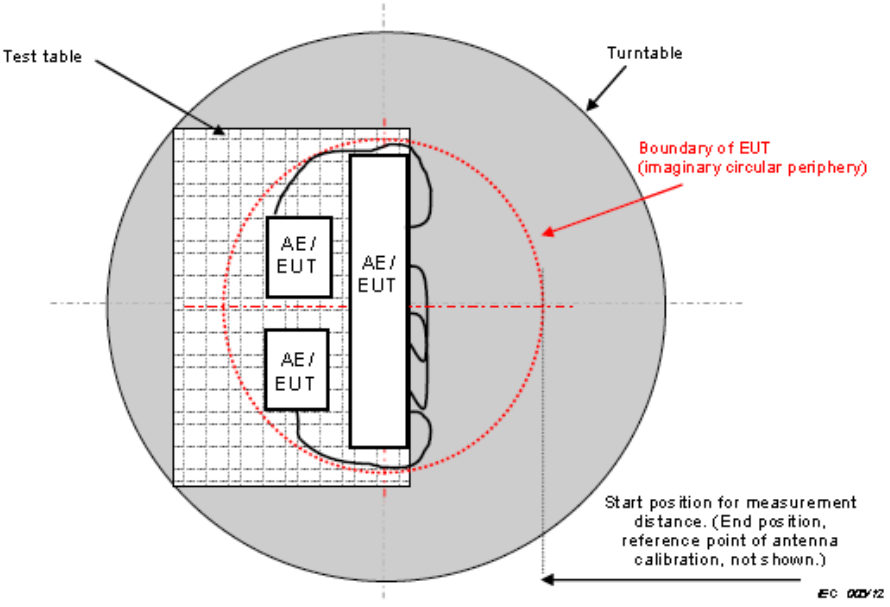
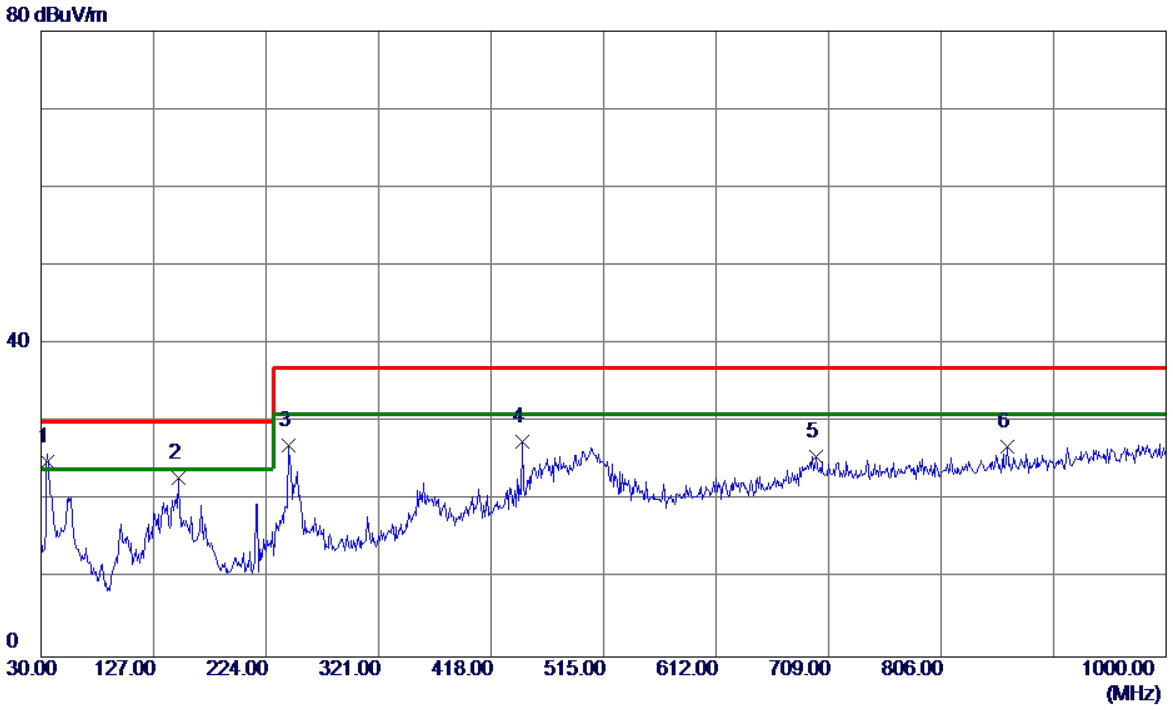


Figure C.2 – Boundary of EUT, Local AE and associated cabling

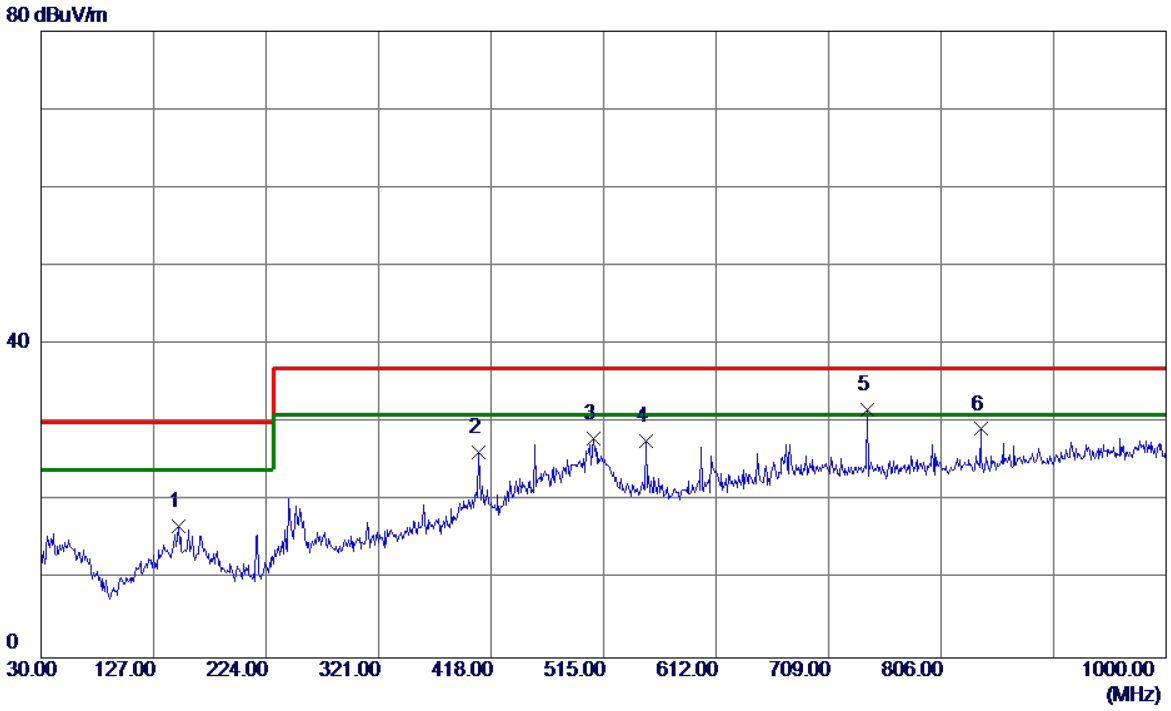
3.1.7 TEST RESULTS (UP TO 1 GHZ)

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



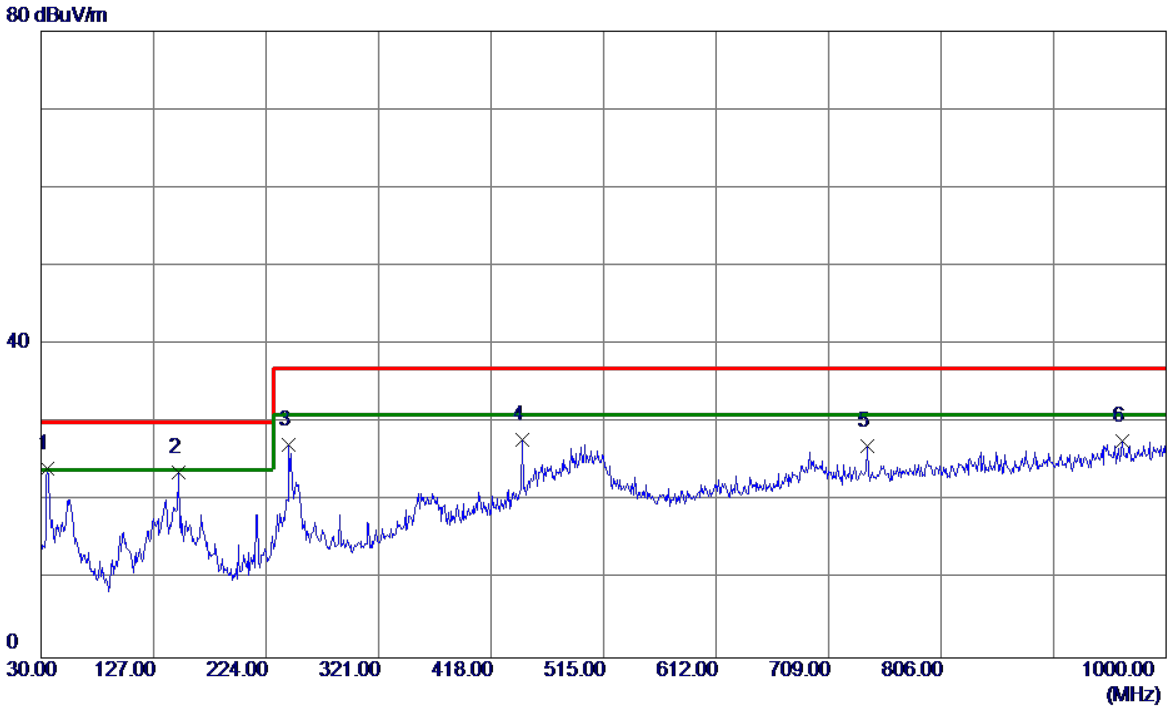
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	43.03	-18.04	24.99	30.00	-5.01	QP
2	148.3400	38.97	-16.02	22.95	30.00	-7.05	QP
3	243.4000	44.24	-17.20	27.04	37.00	-9.96	QP
4	445.1600	39.15	-11.66	27.49	37.00	-9.51	QP
5	698.3300	32.70	-7.09	25.61	37.00	-11.39	QP
6	863.2300	31.84	-5.00	26.84	37.00	-10.16	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



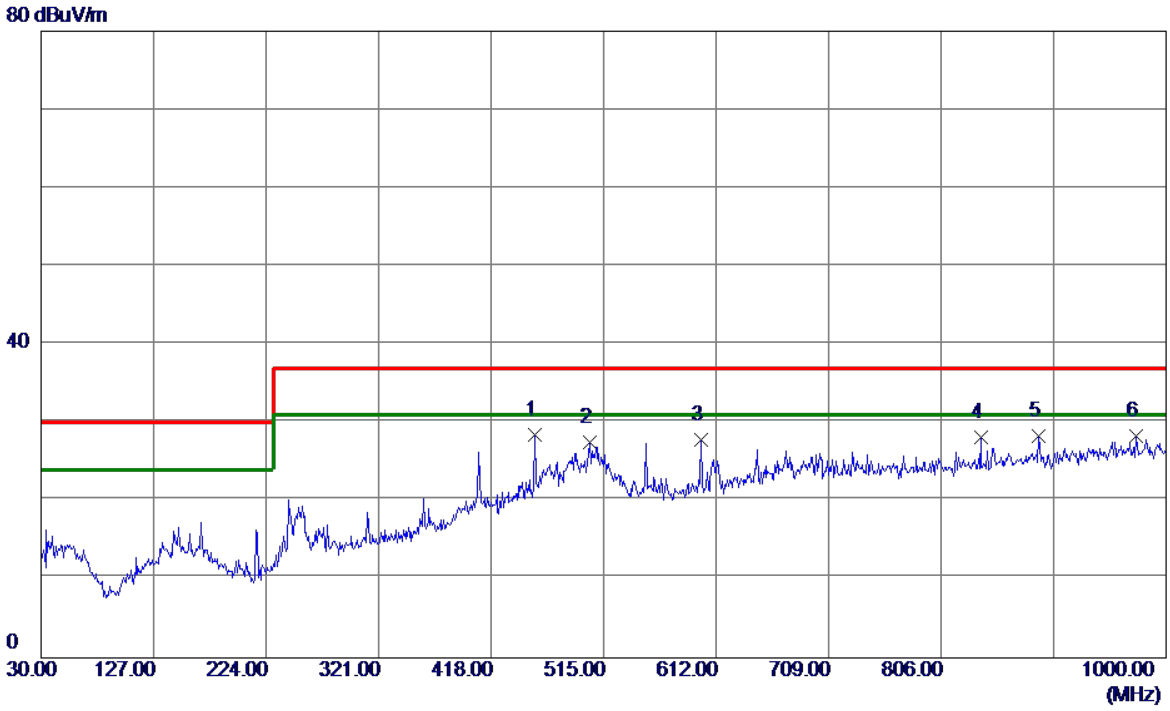
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	148.3400	32.71	-15.98	16.73	30.00	-13.27	QP
2	407.3299	38.93	-12.63	26.30	37.00	-10.70	QP
3	506.2700	38.37	-10.42	27.95	37.00	-9.05	QP
4	551.8600	37.37	-9.64	27.73	37.00	-9.27	QP
5 *	741.9800	37.96	-6.32	31.64	37.00	-5.36	QP
6	839.9500	34.57	-5.37	29.20	37.00	-7.80	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		



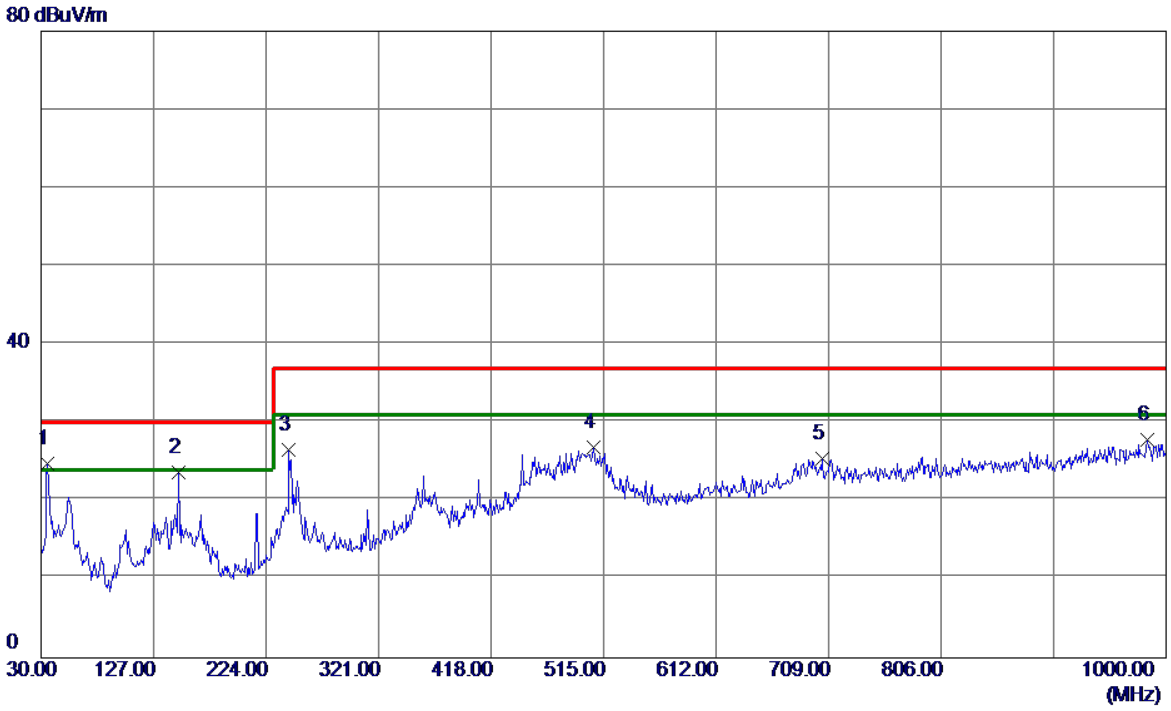
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	42.24	-18.04	24.20	30.00	-5.80	QP
2	148.3400	39.74	-16.02	23.72	30.00	-6.28	QP
3	243.4000	44.39	-17.20	27.19	37.00	-9.81	QP
4	445.1600	39.55	-11.66	27.89	37.00	-9.11	QP
5	741.9800	33.31	-6.32	26.99	37.00	-10.01	QP
6	962.1700	31.11	-3.38	27.73	37.00	-9.27	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		



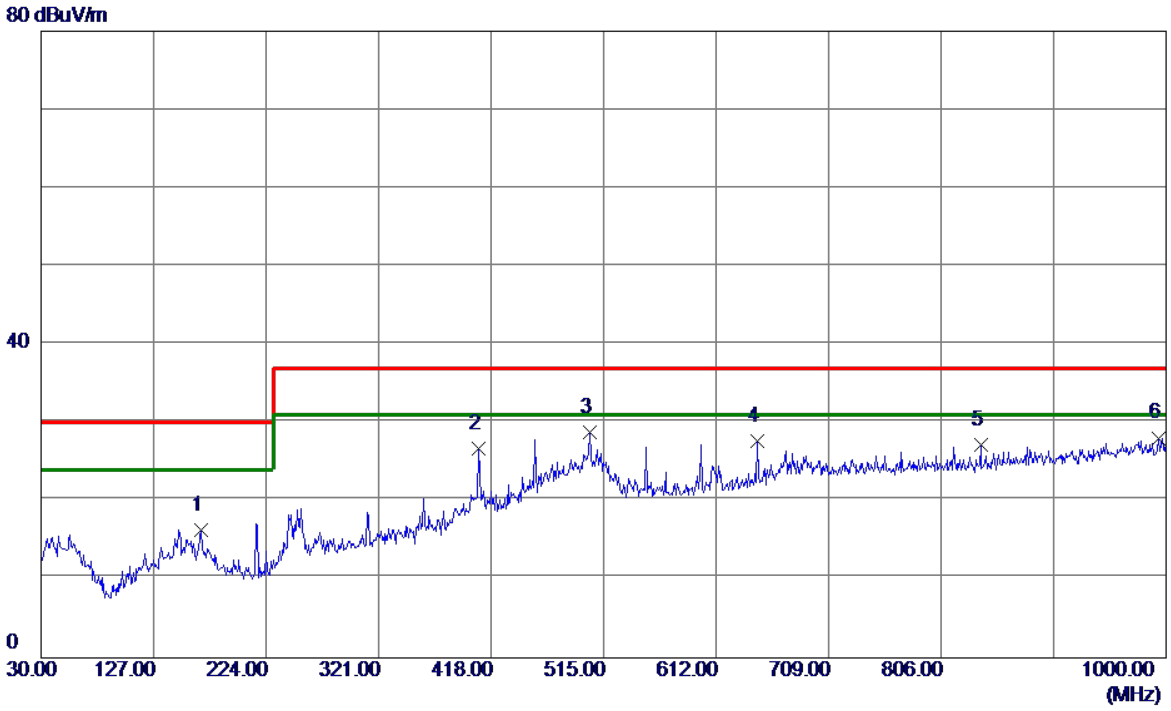
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	455.8300	39.77	-11.30	28.47	37.00	-8.53	QP
2	503.3600	37.95	-10.47	27.48	37.00	-9.52	QP
3	599.3900	36.32	-8.46	27.86	37.00	-9.14	QP
4	839.9500	33.60	-5.37	28.23	37.00	-8.77	QP
5	890.3900	33.16	-4.89	28.27	37.00	-8.73	QP
6	973.8100	31.80	-3.51	28.29	37.00	-8.71	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



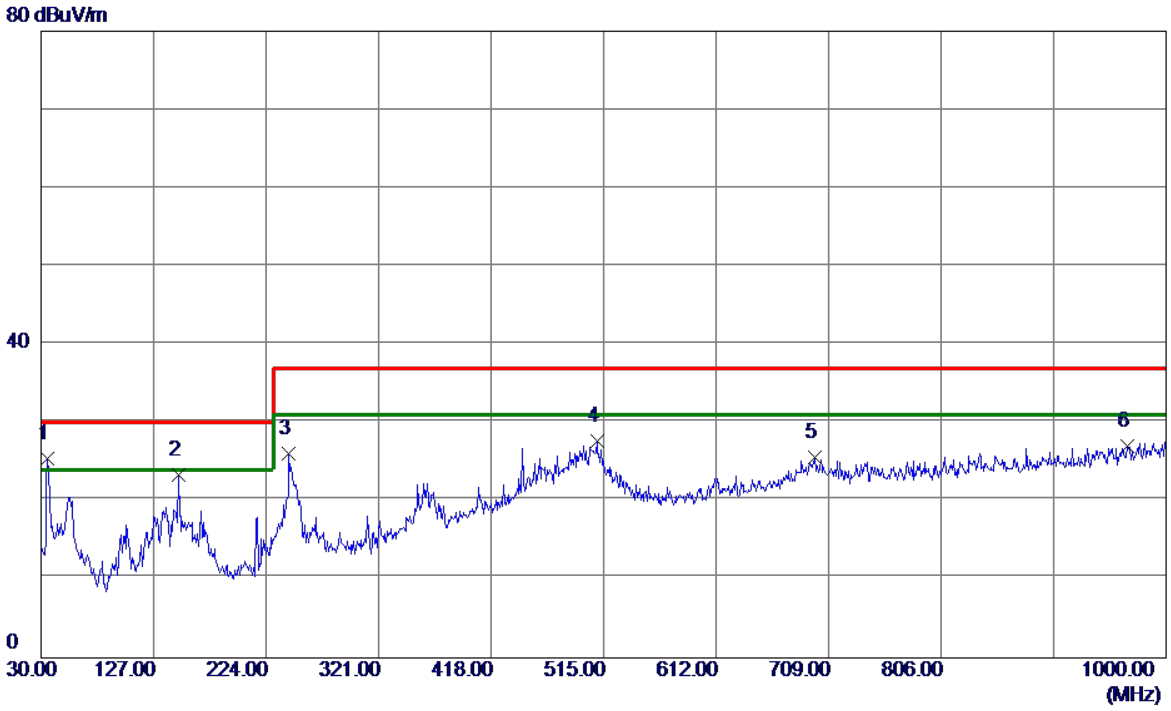
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	42.79	-18.04	24.75	30.00	-5.25	QP
2	148.3400	39.74	-16.02	23.72	30.00	-6.28	QP
3	243.4000	43.83	-17.20	26.63	37.00	-10.37	QP
4	506.2700	37.53	-10.58	26.95	37.00	-10.05	QP
5	703.1800	32.40	-7.00	25.40	37.00	-11.60	QP
6	983.5100	30.97	-3.09	27.88	37.00	-9.12	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		



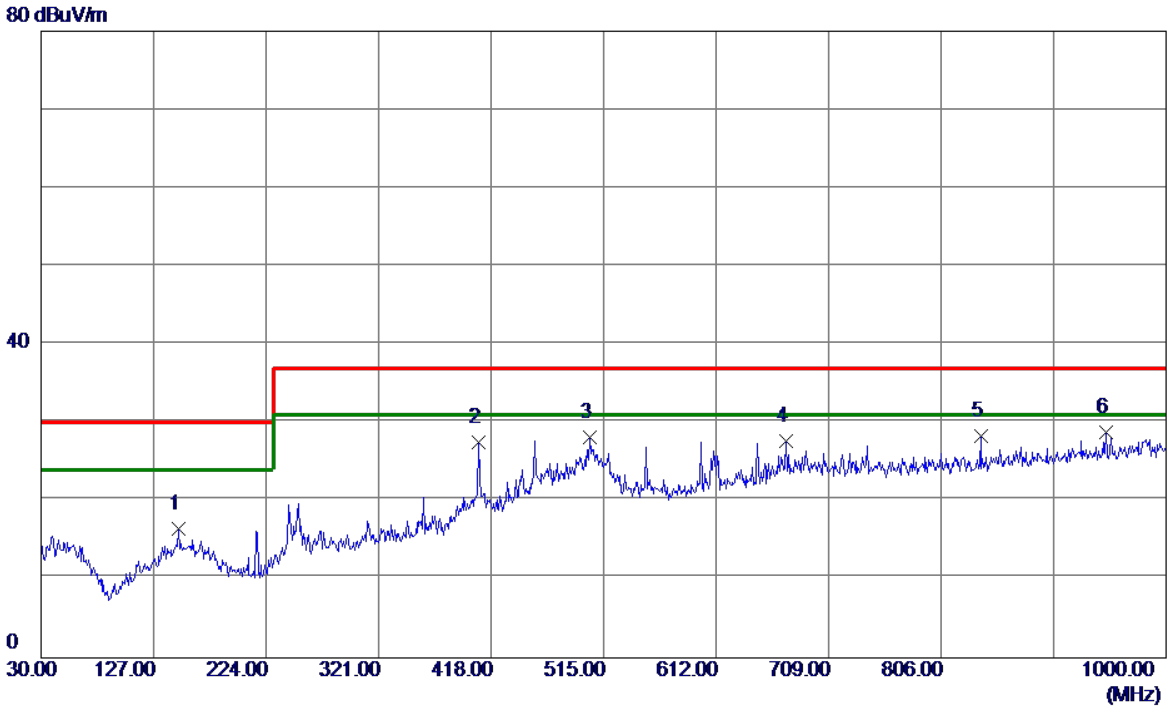
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	167.7400	32.61	-16.26	16.35	30.00	-13.65	QP
2	407.3299	39.41	-12.63	26.78	37.00	-10.22	QP
3 *	503.3600	39.27	-10.47	28.80	37.00	-8.20	QP
4	647.8900	35.52	-7.88	27.64	37.00	-9.36	QP
5	839.9500	32.52	-5.37	27.15	37.00	-9.85	QP
6	993.2100	31.37	-3.29	28.08	37.00	-8.92	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 110V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



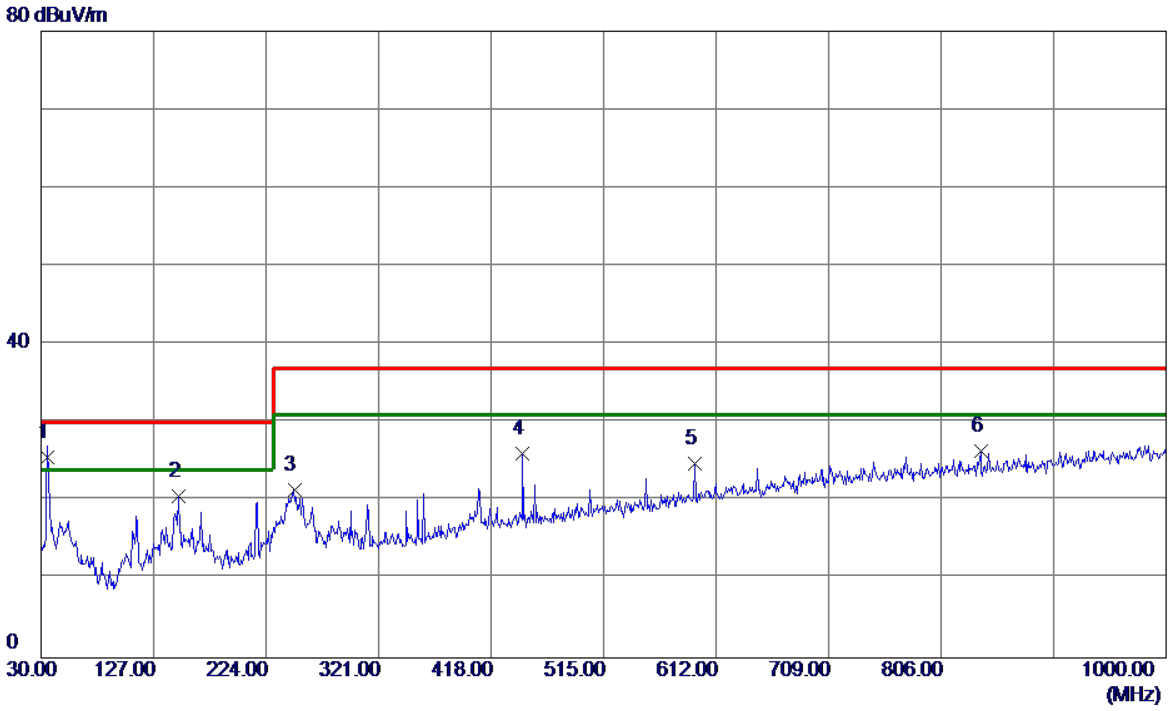
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	43.47	-18.04	25.43	30.00	-4.57	QP
2	148.3400	39.43	-16.02	23.41	30.00	-6.59	QP
3	243.4000	43.26	-17.20	26.06	37.00	-10.94	QP
4	509.1800	38.27	-10.52	27.75	37.00	-9.25	QP
5	697.3600	32.74	-7.10	25.64	37.00	-11.36	QP
6	967.0200	30.36	-3.32	27.04	37.00	-9.96	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 110V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



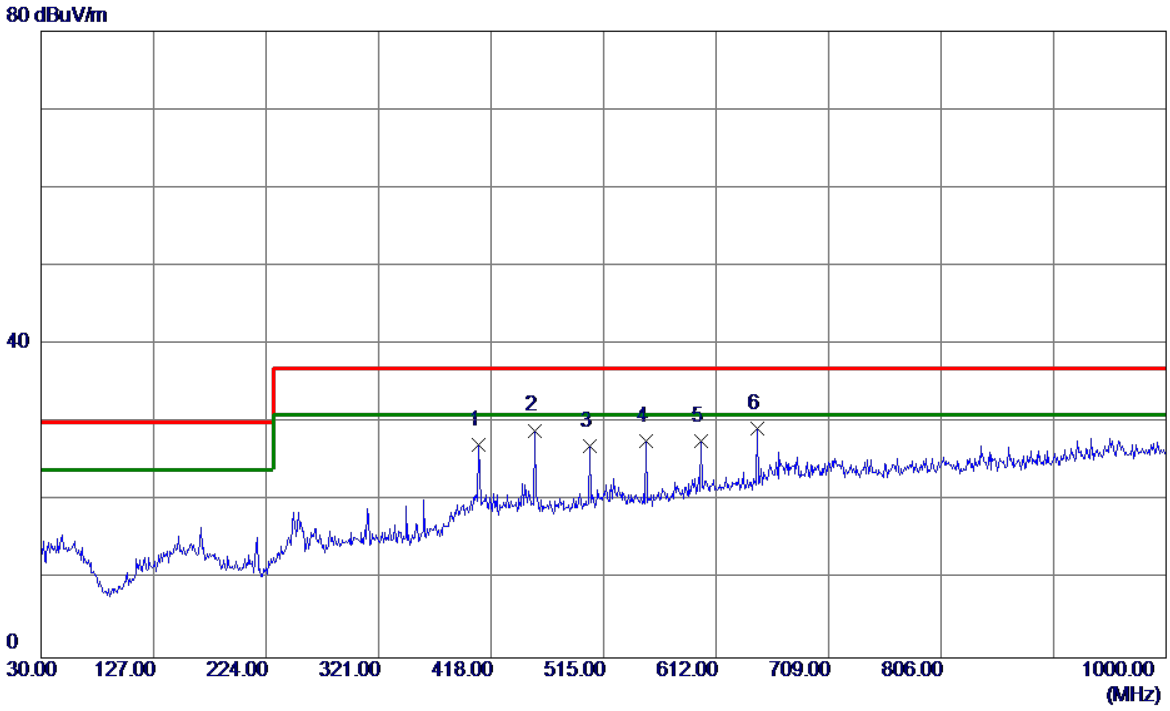
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	148.3400	32.52	-15.98	16.54	30.00	-13.46	QP
2	407.3299	40.19	-12.63	27.56	37.00	-9.44	QP
3	503.3600	38.68	-10.47	28.21	37.00	-8.79	QP
4	672.1400	35.20	-7.51	27.69	37.00	-9.31	QP
5	839.9500	33.76	-5.37	28.39	37.00	-8.61	QP
6 *	948.5900	32.55	-3.82	28.73	37.00	-8.27	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 2560*1440/144Hz		



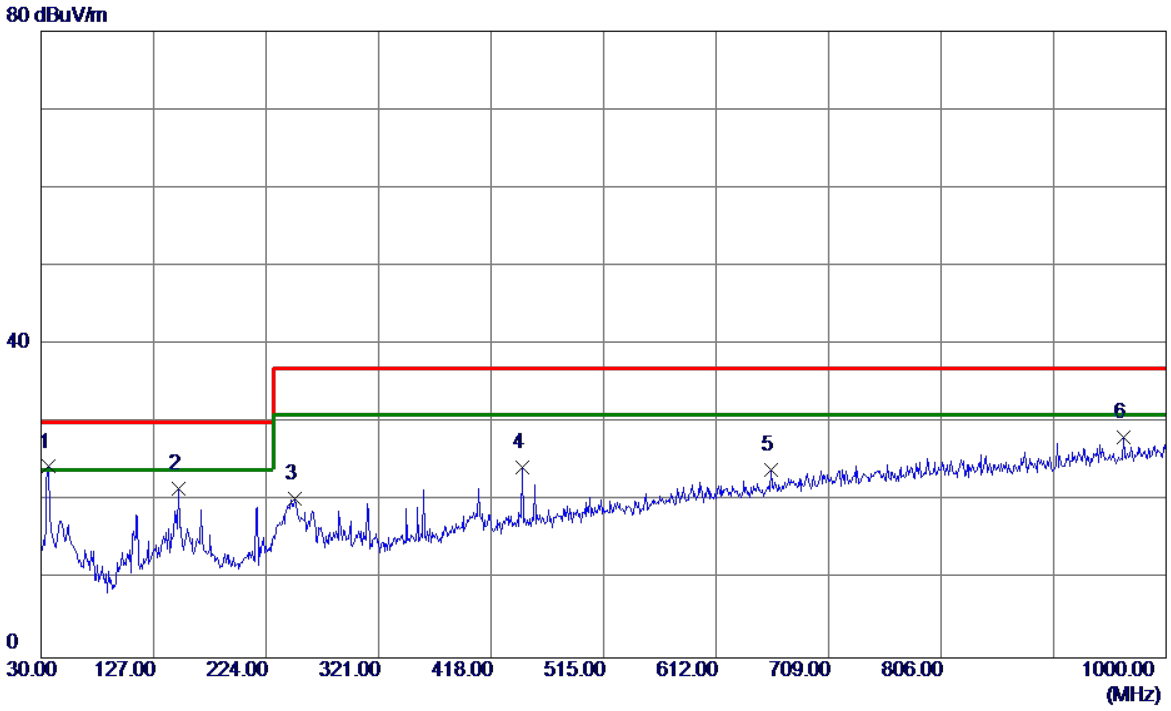
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	43.62	-18.04	25.58	30.00	-4.42	QP
2	148.3400	36.63	-16.02	20.61	30.00	-9.39	QP
3	248.2500	38.44	-17.07	21.37	37.00	-15.63	QP
4	445.1600	37.79	-11.66	26.13	37.00	-10.87	QP
5	593.5700	33.38	-8.64	24.74	37.00	-12.26	QP
6	839.9500	31.61	-5.26	26.35	37.00	-10.65	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 2560*1440/144Hz		



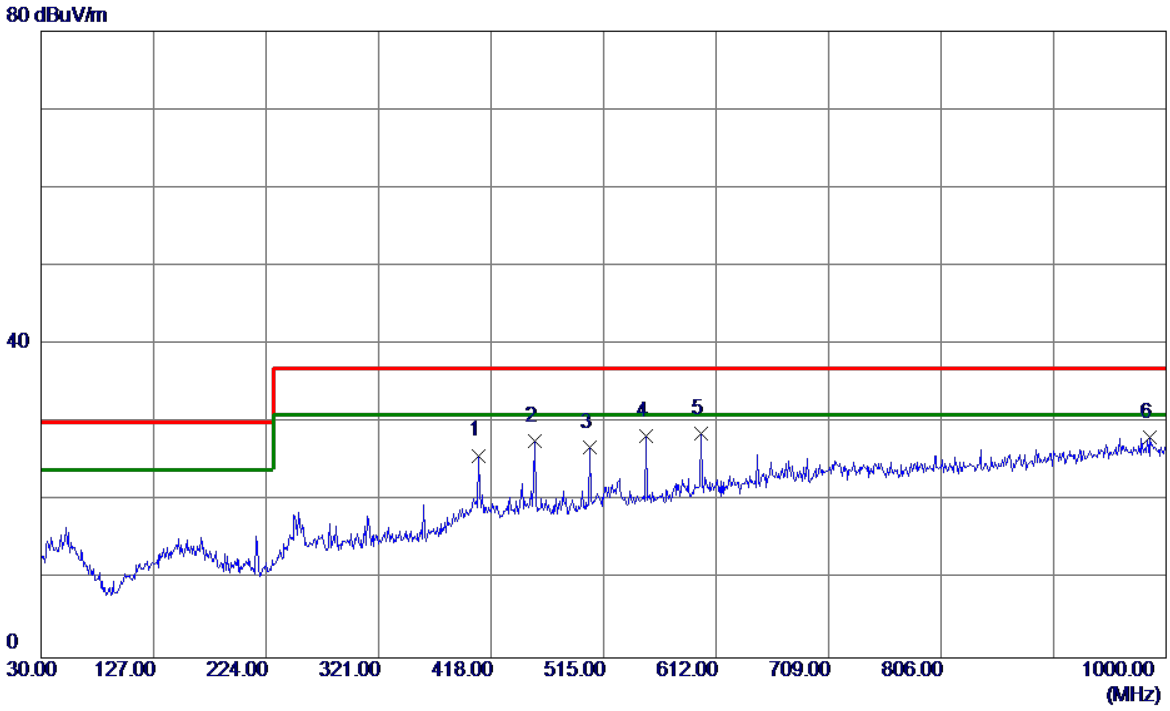
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	407.3299	39.85	-12.63	27.22	37.00	-9.78	QP
2	455.8300	40.34	-11.30	29.04	37.00	-7.96	QP
3	503.3600	37.58	-10.47	27.11	37.00	-9.89	QP
4	551.8600	37.31	-9.64	27.67	37.00	-9.33	QP
5	599.3900	36.19	-8.46	27.73	37.00	-9.27	QP
6 *	647.8900	37.14	-7.88	29.26	37.00	-7.74	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	DP 2560*1440/144Hz		



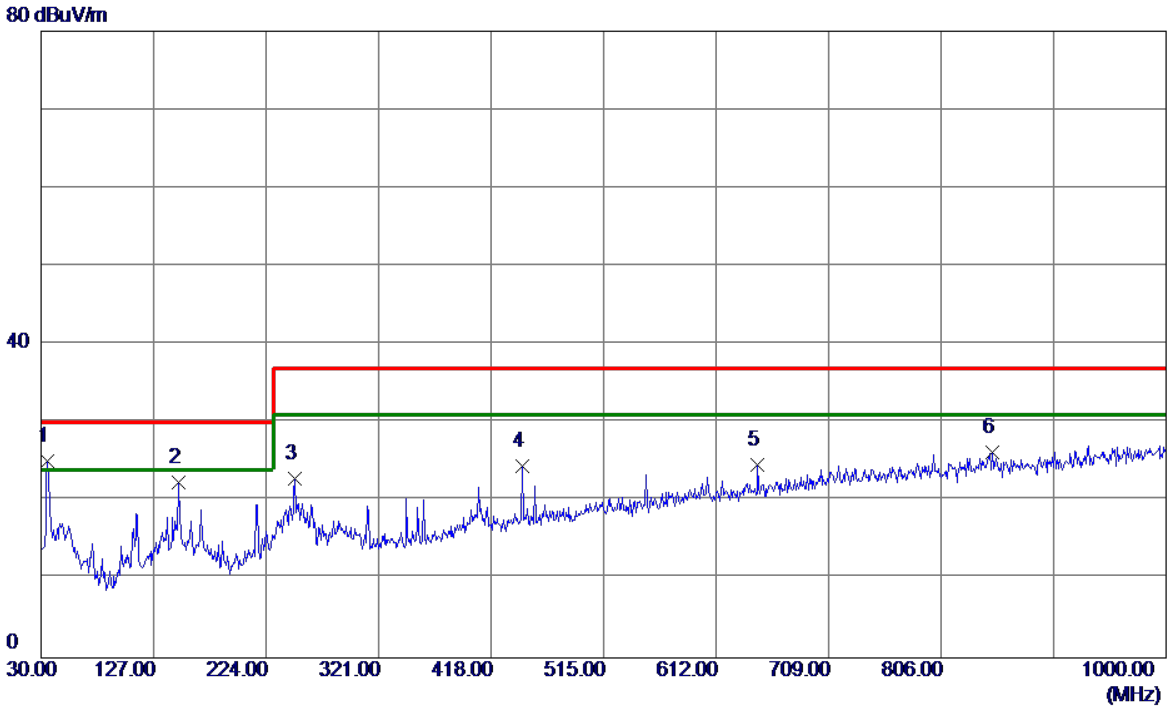
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	36.7900	42.31	-17.91	24.40	30.00	-5.60	QP
2	148.3400	37.57	-16.02	21.55	30.00	-8.45	QP
3	249.2200	37.43	-17.04	20.39	37.00	-16.61	QP
4	445.1600	35.93	-11.66	24.27	37.00	-12.73	QP
5	659.5300	31.80	-7.74	24.06	37.00	-12.94	QP
6	963.1400	31.54	-3.37	28.17	37.00	-8.83	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	DP 2560*1440/144Hz		



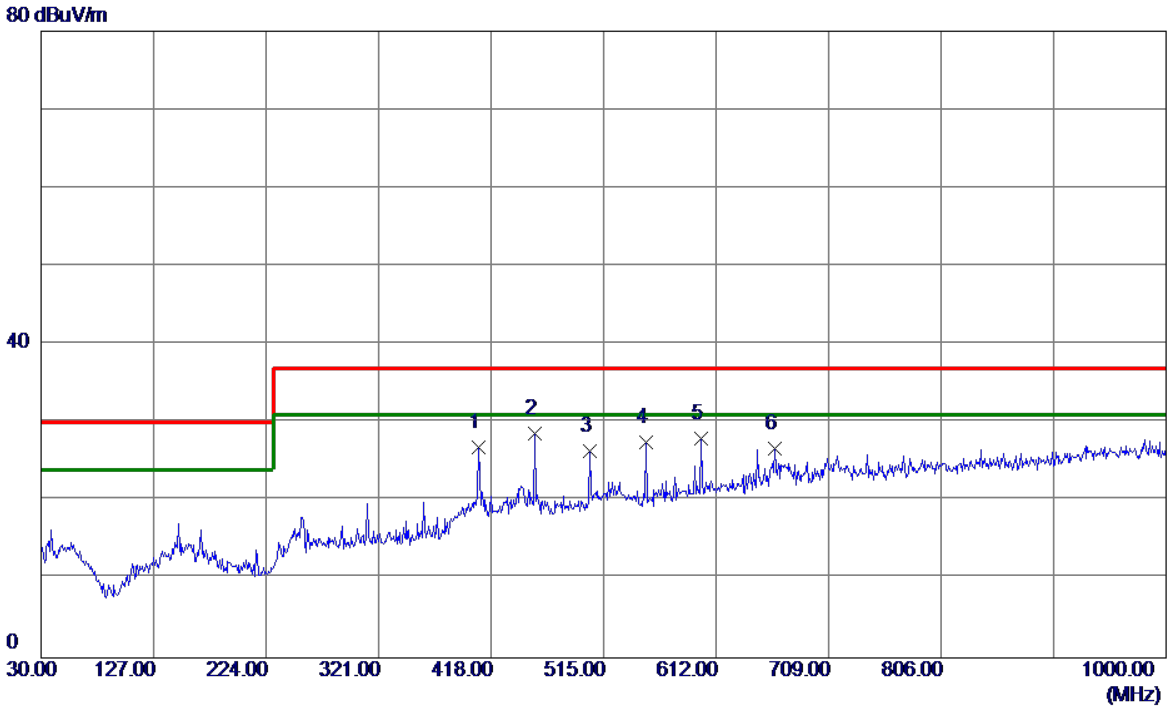
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	407.3299	38.47	-12.63	25.84	37.00	-11.16	QP
2	455.8300	39.03	-11.30	27.73	37.00	-9.27	QP
3	503.3600	37.38	-10.47	26.91	37.00	-10.09	QP
4	551.8600	38.03	-9.64	28.39	37.00	-8.61	QP
5 *	599.3900	37.07	-8.46	28.61	37.00	-8.39	QP
6	986.4200	31.47	-3.37	28.10	37.00	-8.90	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



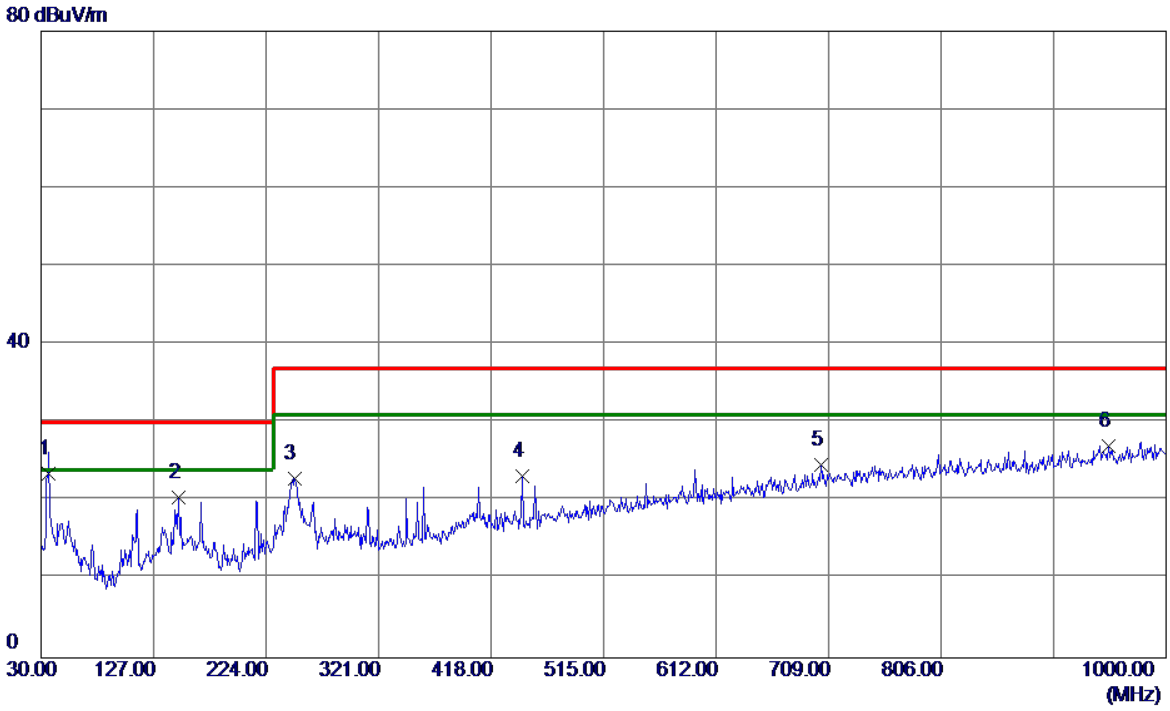
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	43.10	-18.04	25.06	30.00	-4.94	QP
2	148.3400	38.47	-16.02	22.45	30.00	-7.55	QP
3	249.2200	39.85	-17.04	22.81	37.00	-14.19	QP
4	445.1600	36.12	-11.66	24.46	37.00	-12.54	QP
5	647.8900	32.54	-7.92	24.62	37.00	-12.38	QP
6	850.6200	31.33	-5.14	26.19	37.00	-10.81	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		



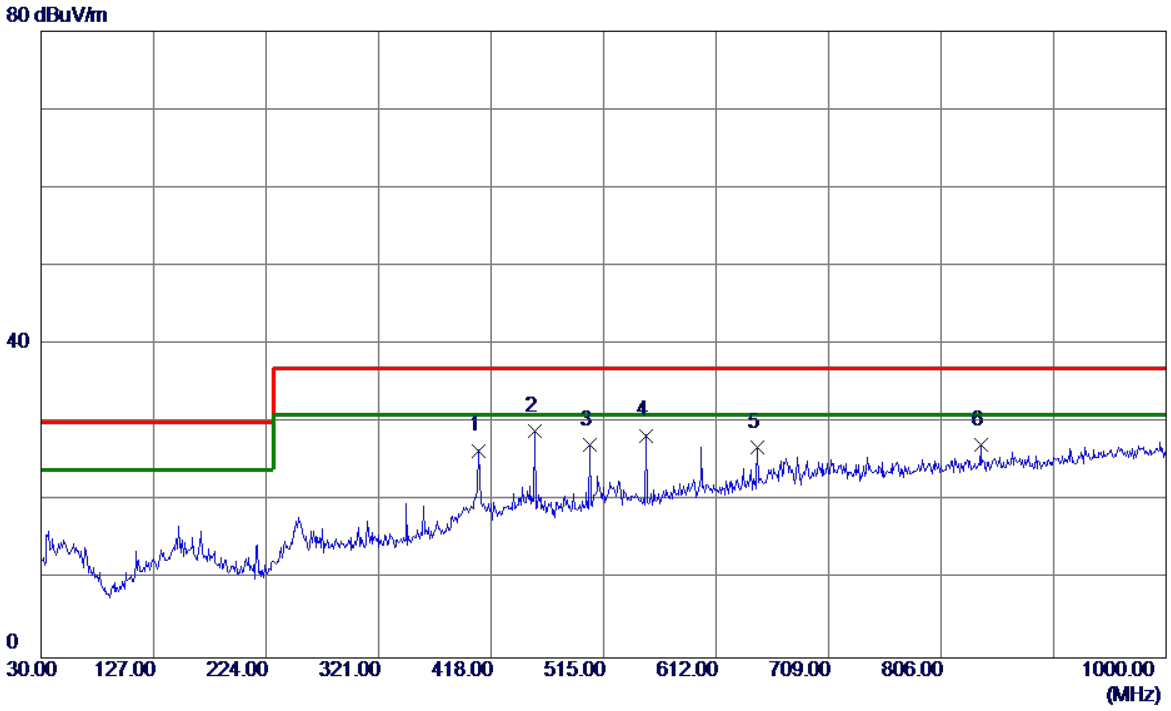
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	407.3299	39.45	-12.63	26.82	37.00	-10.18	QP
2 *	455.8300	40.00	-11.30	28.70	37.00	-8.30	QP
3	503.3600	36.85	-10.47	26.38	37.00	-10.62	QP
4	551.8600	37.09	-9.64	27.45	37.00	-9.55	QP
5	599.3900	36.44	-8.46	27.98	37.00	-9.02	QP
6	662.9250	34.45	-7.66	26.79	37.00	-10.21	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 110V/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	41.36	-17.91	23.45	30.00	-6.55	QP
2	148.3400	36.54	-16.02	20.52	30.00	-9.48	QP
3	248.2500	39.95	-17.07	22.88	37.00	-14.12	QP
4	445.1600	34.81	-11.66	23.15	37.00	-13.85	QP
5	702.2100	31.67	-7.02	24.65	37.00	-12.35	QP
6	950.5300	30.55	-3.54	27.01	37.00	-9.99	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 110V/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	407.3299	39.11	-12.63	26.48	37.00	-10.52	QP
2 *	455.8300	40.29	-11.30	28.99	37.00	-8.01	QP
3	503.3600	37.64	-10.47	27.17	37.00	-9.83	QP
4	551.8600	38.04	-9.64	28.40	37.00	-8.60	QP
5	647.8900	34.74	-7.88	26.86	37.00	-10.14	QP
6	839.9500	32.53	-5.37	27.16	37.00	-9.84	QP

3.2 RADIATED EMISSION ABOVE 1 GHZ

3.2.1 LIMITS

Class B equipment above 1000MHz

Frequency MHz	Measurement		Class B limit dB(uV/m)
	Distance m	Detector type/bandwidth	FSOATS
1000-3000	3	Average / 1 MHz	50
3000-6000			54
1000-3000		Peak / 1 MHz	70
3000-6000			74

Notes:

(1) The limit for radiated test was performed according to as following: EN 55032

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(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

Required highest frequency for radiated measurement

Highest internal frequency (F_x) MHz	Highest measured frequency MHz
$F_x \leqq 108$	1000
$108 < F_x \leqq 500$	2000
$500 < F_x \leqq 1000$	5000
$F_x > 1000$	5^{th} up to a maximum 6 GHz,

Note for FM and TV broadcast receiver, F_x is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies.

3.2.2 MEASUREMENT INSTRUMENTS LIST

Above 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	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 no., no serial no. or no calibration specified.
All calibration period of equipment list is one year.

3.2.3 TEST PROCEDURE

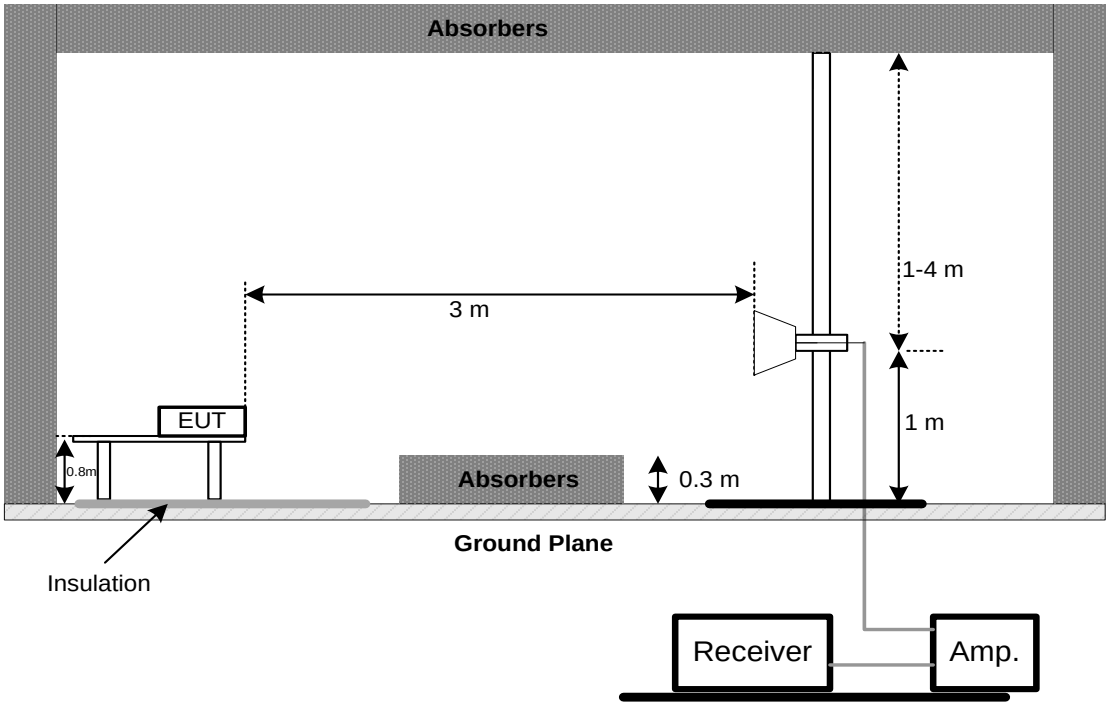
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
b. The height of the equipment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

3.2.4 DEVIATION FROM TEST STANDARD

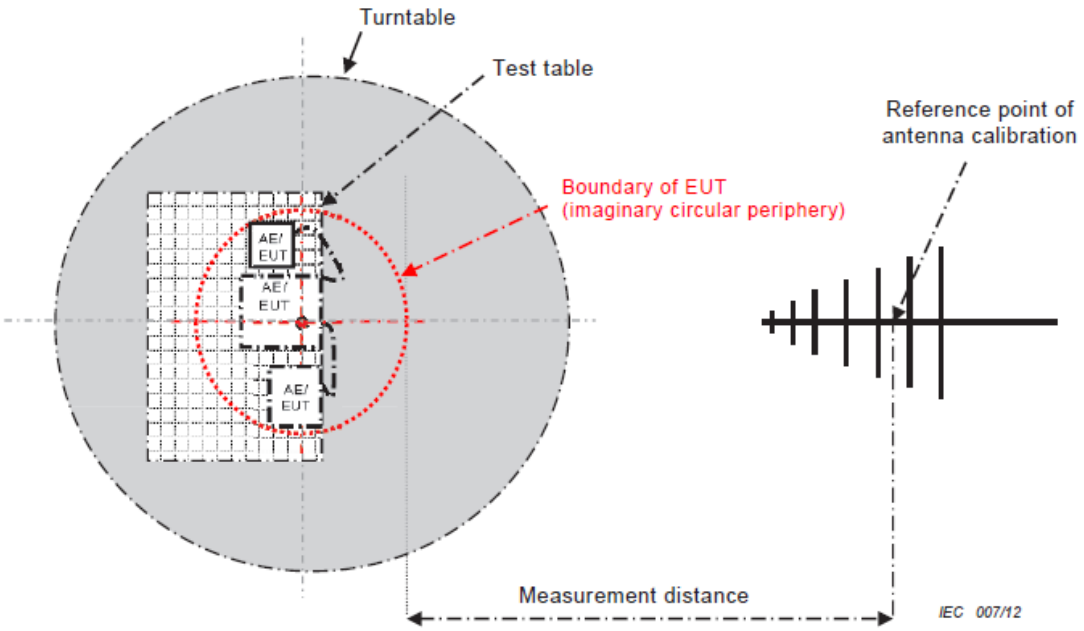
No deviation

3.2.5 TEST SETUP

ABOVE 1 GHZ



3.2.6 MEASUREMENT DISTANCE



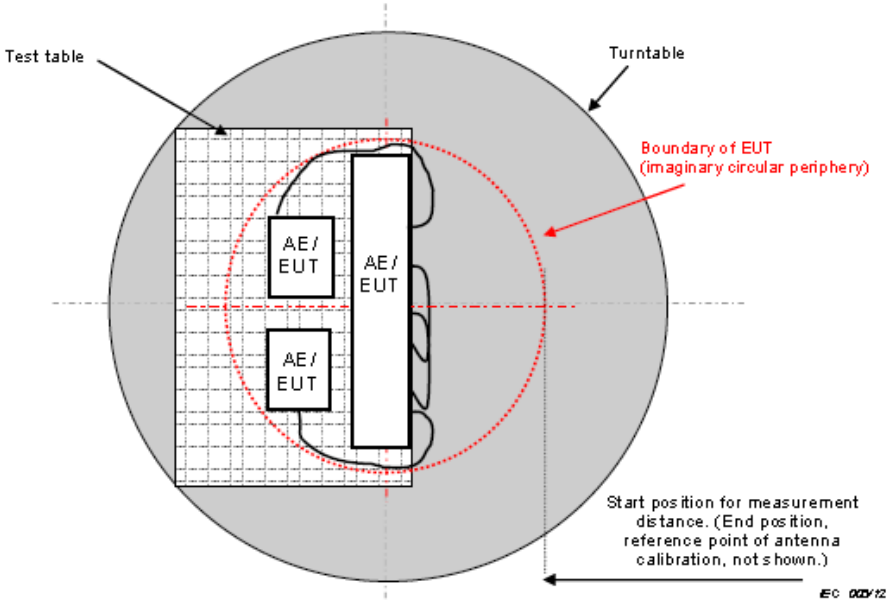
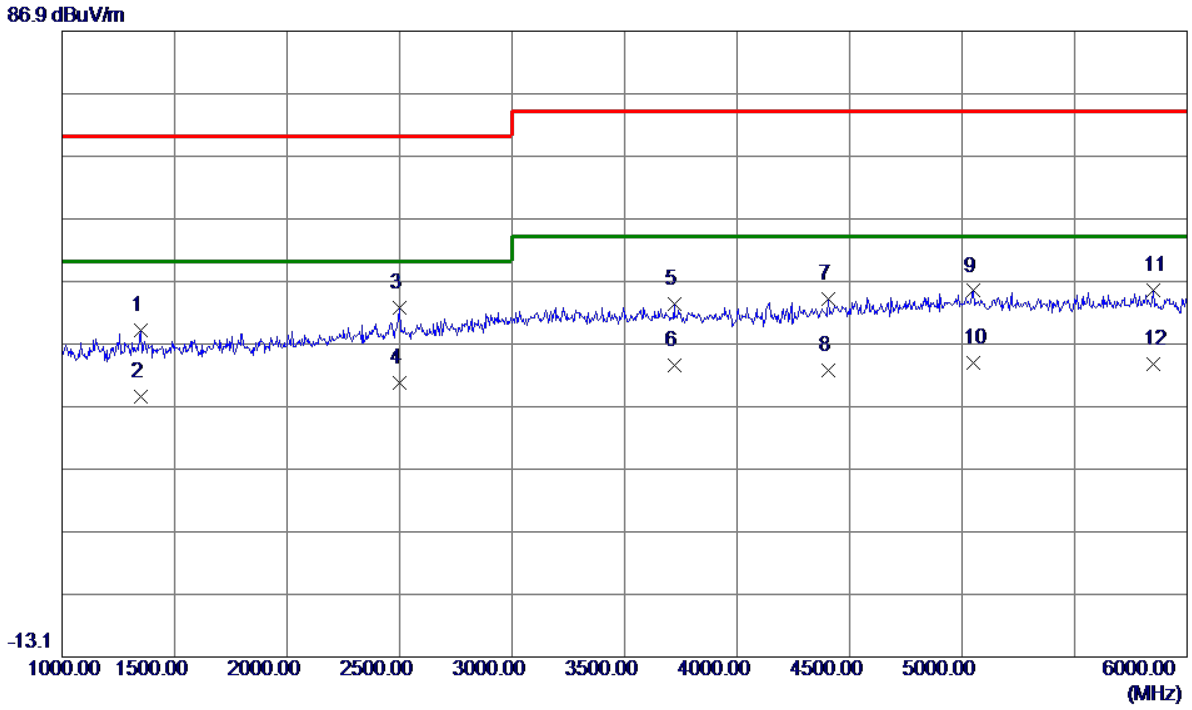


Figure C.2 – Boundary of EUT, Local AE and associated cabling

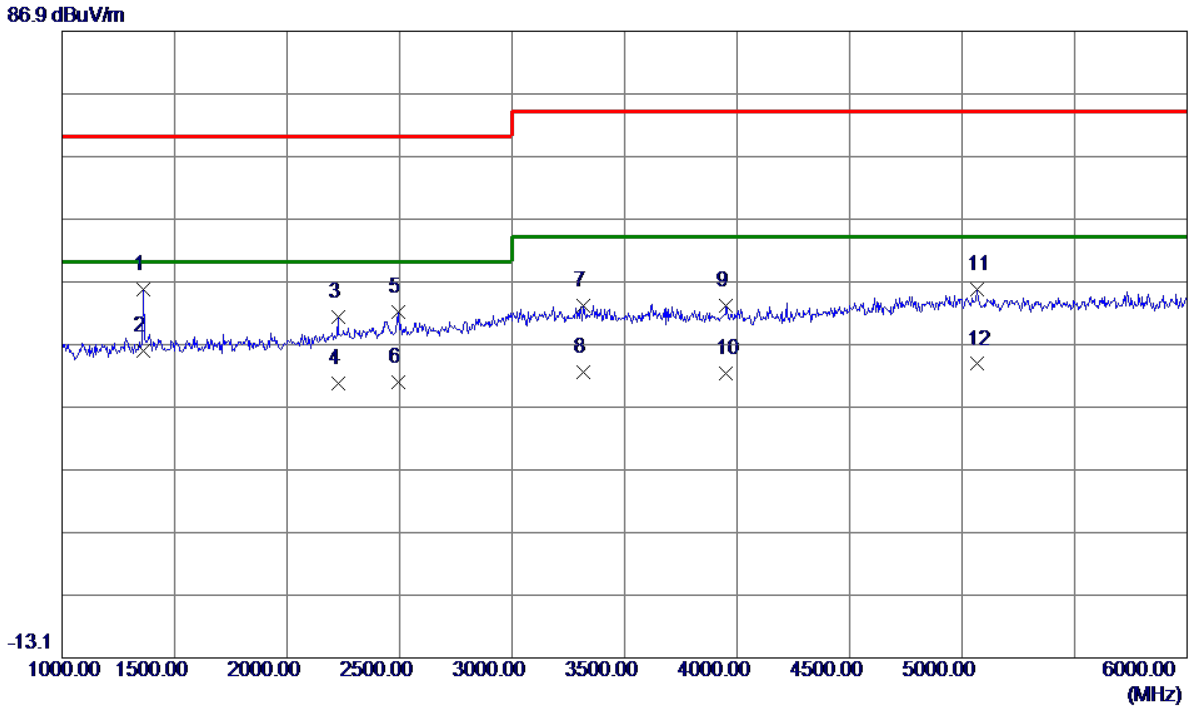
3.2.7 TEST RESULTS (ABOVE 1 GHZ)

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



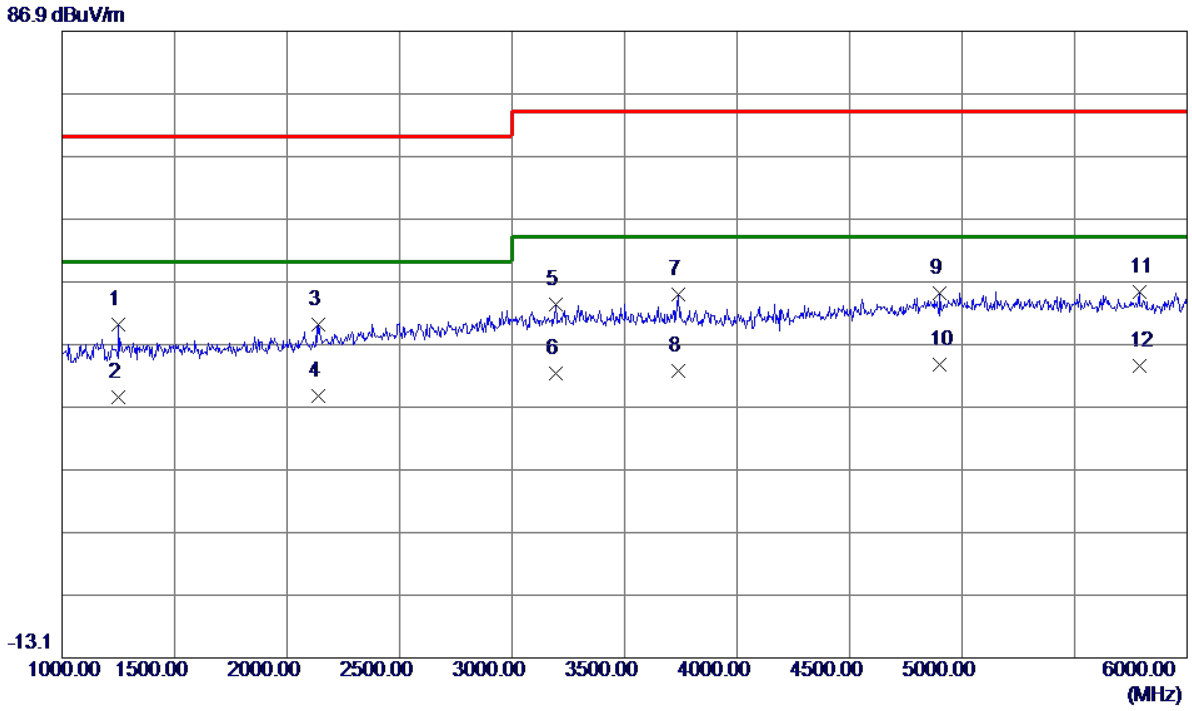
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1352.5000	43.32	-4.31	39.01	70.00	-30.99	Peak
2	1352.5000	32.84	-4.31	28.53	50.00	-21.47	AVG
3	2500.0000	42.13	0.52	42.65	70.00	-27.35	Peak
4 *	2500.0000	30.24	0.52	30.76	50.00	-19.24	AVG
5	3722.5000	38.79	4.49	43.28	74.00	-30.72	Peak
6	3722.5000	29.05	4.49	33.54	54.00	-20.46	AVG
7	4407.5000	38.09	6.00	44.09	74.00	-29.91	Peak
8	4407.5000	26.72	6.00	32.72	54.00	-21.28	AVG
9	5050.0000	37.38	8.02	45.40	74.00	-28.60	Peak
10	5050.0000	25.88	8.02	33.90	54.00	-20.10	AVG
11	5852.5000	36.83	8.75	45.58	74.00	-28.42	Peak
12	5852.5000	24.86	8.75	33.61	54.00	-20.39	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



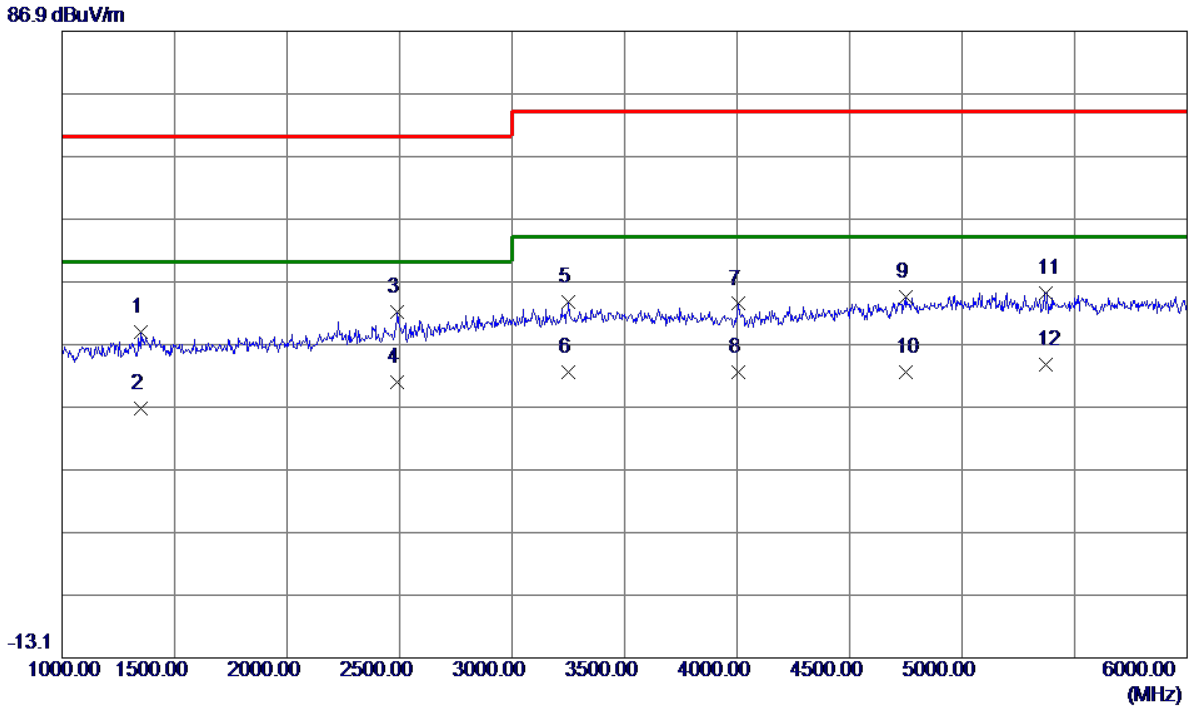
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1362.5000	49.95	-4.25	45.70	70.00	-24.30	Peak
2 *	1362.5000	40.12	-4.25	35.87	50.00	-14.13	AVG
3	2227.5000	41.96	-0.72	41.24	70.00	-28.76	Peak
4	2227.5000	31.37	-0.72	30.65	50.00	-19.35	AVG
5	2492.5000	41.56	0.49	42.05	70.00	-27.95	Peak
6	2492.5000	30.34	0.49	30.83	50.00	-19.17	AVG
7	3317.5000	39.29	3.73	43.02	74.00	-30.98	Peak
8	3317.5000	28.68	3.73	32.41	54.00	-21.59	AVG
9	3950.0000	38.29	4.87	43.16	74.00	-30.84	Peak
10	3950.0000	27.42	4.87	32.29	54.00	-21.71	AVG
11	5067.5000	37.71	8.03	45.74	74.00	-28.26	Peak
12	5067.5000	25.77	8.03	33.80	54.00	-20.20	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		



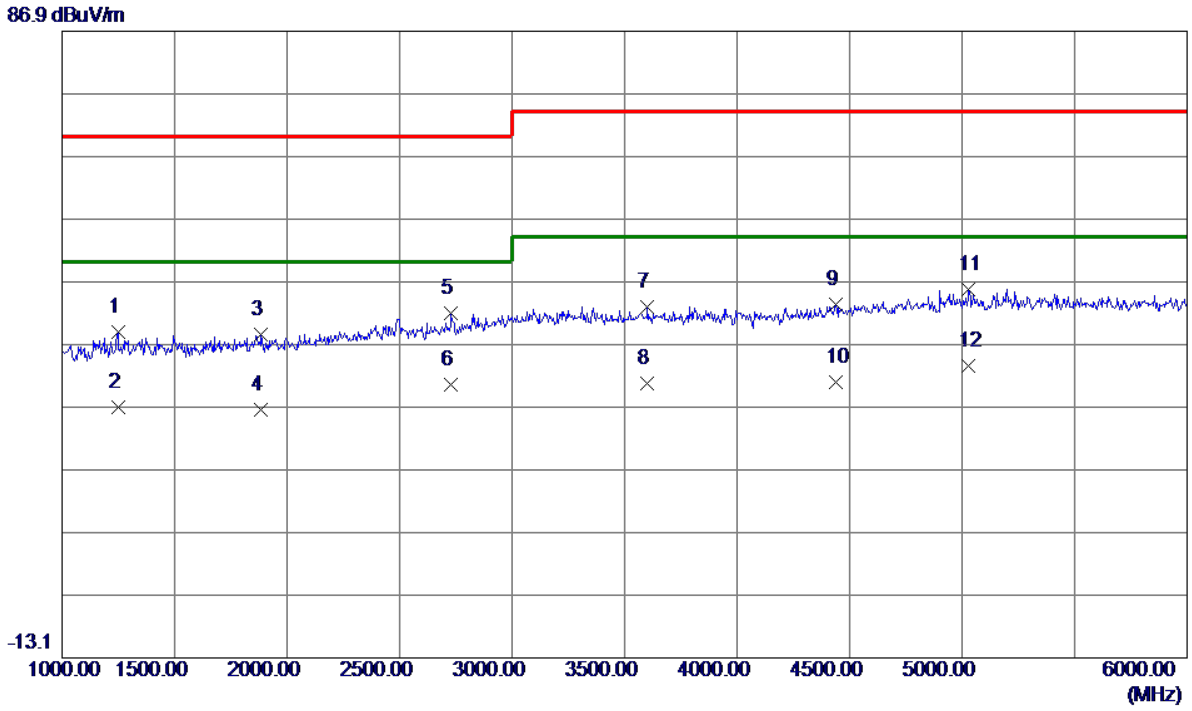
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1250.0000	44.95	-4.88	40.07	70.00	-29.93	Peak
2	1250.0000	33.45	-4.88	28.57	50.00	-21.43	AVG
3	2140.0000	41.14	-1.11	40.03	70.00	-29.97	Peak
4	2140.0000	29.77	-1.11	28.66	50.00	-21.34	AVG
5	3192.5000	39.76	3.46	43.22	74.00	-30.78	Peak
6	3192.5000	28.83	3.46	32.29	54.00	-21.71	AVG
7	3737.5000	40.32	4.51	44.83	74.00	-29.17	Peak
8	3737.5000	28.23	4.51	32.74	54.00	-21.26	AVG
9	4900.0000	37.57	7.62	45.19	74.00	-28.81	Peak
10 *	4900.0000	25.99	7.62	33.61	54.00	-20.39	AVG
11	5787.5000	36.56	8.70	45.26	74.00	-28.74	Peak
12	5787.5000	24.83	8.70	33.53	54.00	-20.47	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		



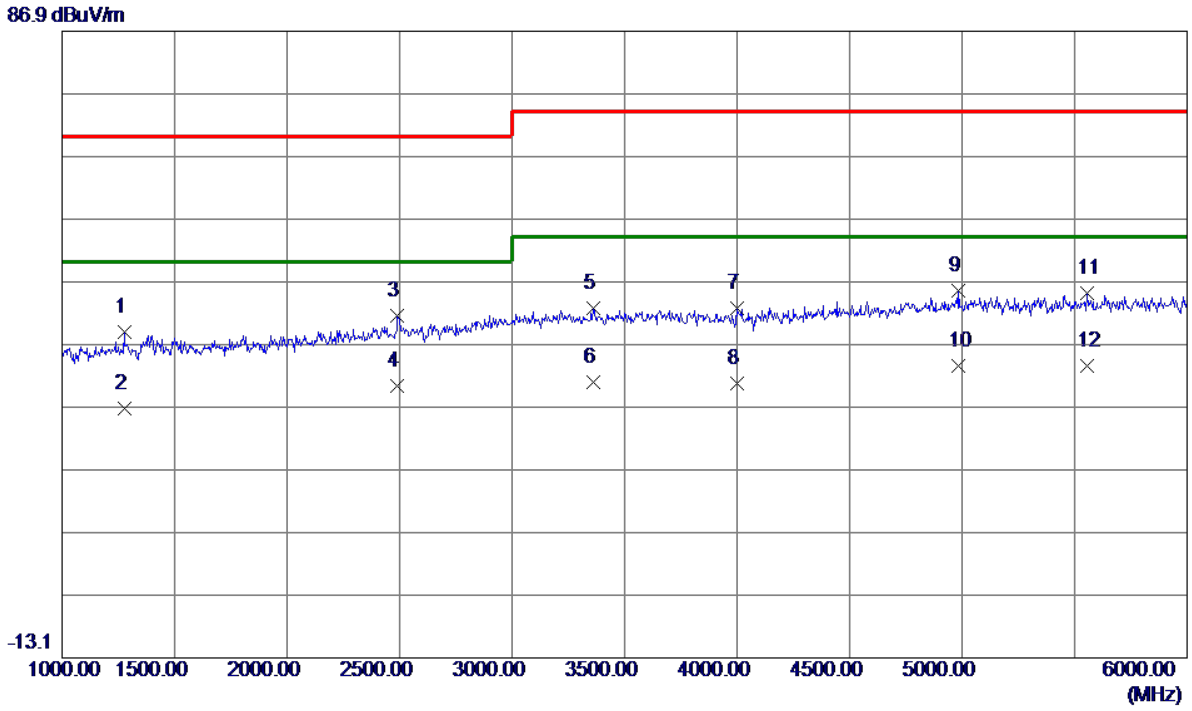
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1352.5000	43.24	-4.31	38.93	70.00	-31.07	Peak
2	1352.5000	30.98	-4.31	26.67	50.00	-23.33	AVG
3	2490.0000	41.59	0.47	42.06	70.00	-27.94	Peak
4 *	2490.0000	30.36	0.47	30.83	50.00	-19.17	AVG
5	3252.5000	40.02	3.59	43.61	74.00	-30.39	Peak
6	3252.5000	28.95	3.59	32.54	54.00	-21.46	AVG
7	4005.0000	38.43	4.97	43.40	74.00	-30.60	Peak
8	4005.0000	27.52	4.97	32.49	54.00	-21.51	AVG
9	4747.5000	37.35	7.10	44.45	74.00	-29.55	Peak
10	4747.5000	25.45	7.10	32.55	54.00	-21.45	AVG
11	5375.0000	36.84	8.33	45.17	74.00	-28.83	Peak
12	5375.0000	25.37	8.33	33.70	54.00	-20.30	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



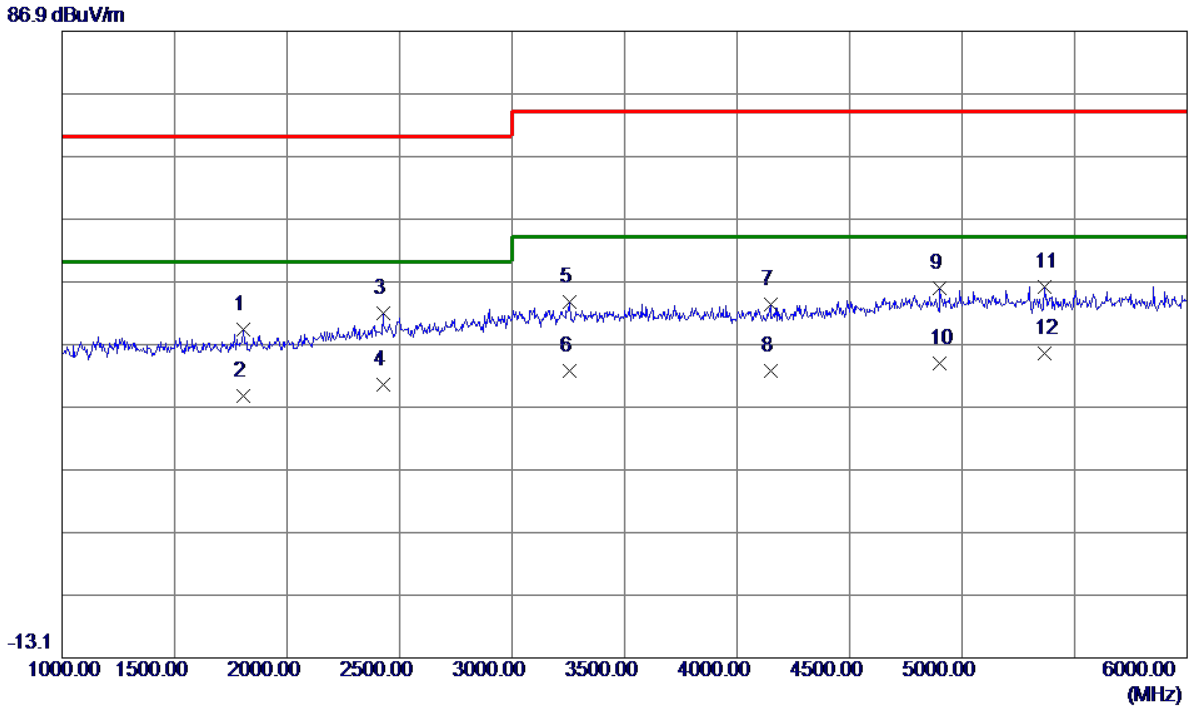
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1247.5000	43.76	-4.89	38.87	70.00	-31.13	Peak
2	1247.5000	31.71	-4.89	26.82	50.00	-23.18	AVG
3	1885.0000	40.67	-2.15	38.52	70.00	-31.48	Peak
4	1885.0000	28.64	-2.15	26.49	50.00	-23.51	AVG
5	2730.0000	40.14	1.69	41.83	70.00	-28.17	Peak
6 *	2730.0000	28.84	1.69	30.53	50.00	-19.47	AVG
7	3602.5000	38.70	4.28	42.98	74.00	-31.02	Peak
8	3602.5000	26.45	4.28	30.73	54.00	-23.27	AVG
9	4437.5000	37.31	6.08	43.39	74.00	-30.61	Peak
10	4437.5000	24.90	6.08	30.98	54.00	-23.02	AVG
11	5030.0000	37.71	8.00	45.71	74.00	-28.29	Peak
12	5030.0000	25.59	8.00	33.59	54.00	-20.41	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		



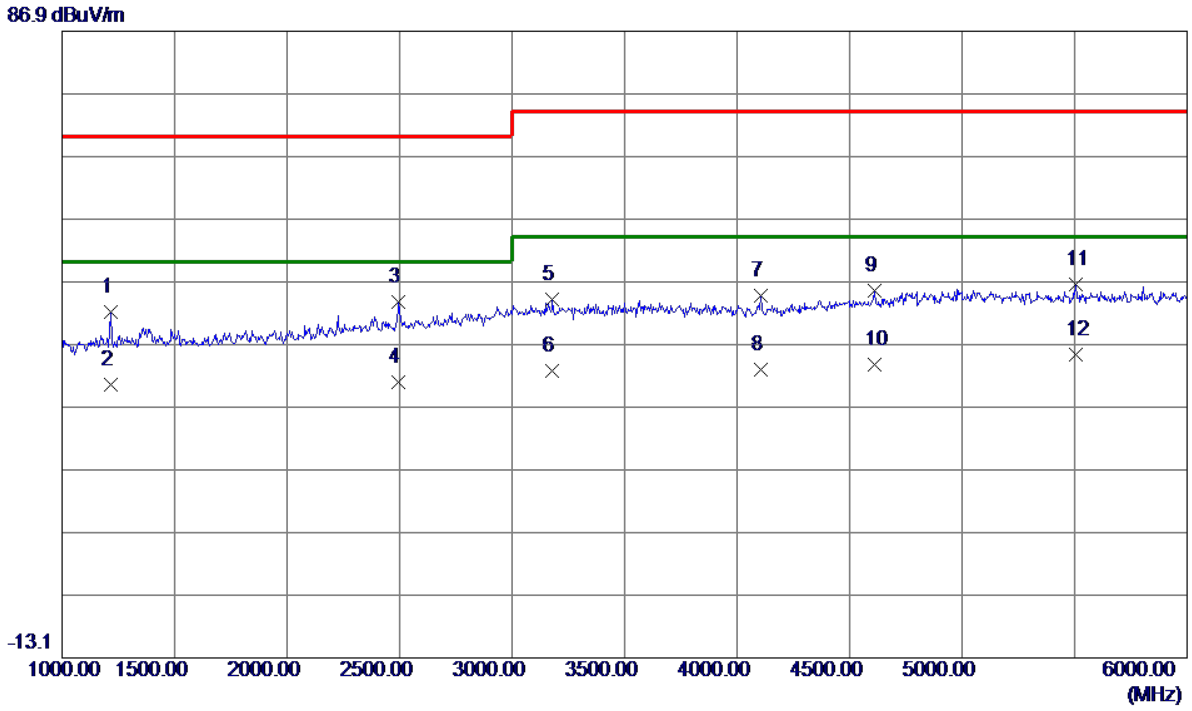
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1277.5000	43.65	-4.73	38.92	70.00	-31.08	Peak
2	1277.5000	31.38	-4.73	26.65	50.00	-23.35	AVG
3	2490.0000	41.04	0.47	41.51	70.00	-28.49	Peak
4 *	2490.0000	29.92	0.47	30.39	50.00	-19.61	AVG
5	3360.0000	38.92	3.82	42.74	74.00	-31.26	Peak
6	3360.0000	27.08	3.82	30.90	54.00	-23.10	AVG
7	3997.5000	37.72	4.96	42.68	74.00	-31.32	Peak
8	3997.5000	25.75	4.96	30.71	54.00	-23.29	AVG
9	4985.0000	37.65	7.92	45.57	74.00	-28.43	Peak
10	4985.0000	25.60	7.92	33.52	54.00	-20.48	AVG
11	5555.0000	36.64	8.50	45.14	74.00	-28.86	Peak
12	5555.0000	25.03	8.50	33.53	54.00	-20.47	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 110V/60Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



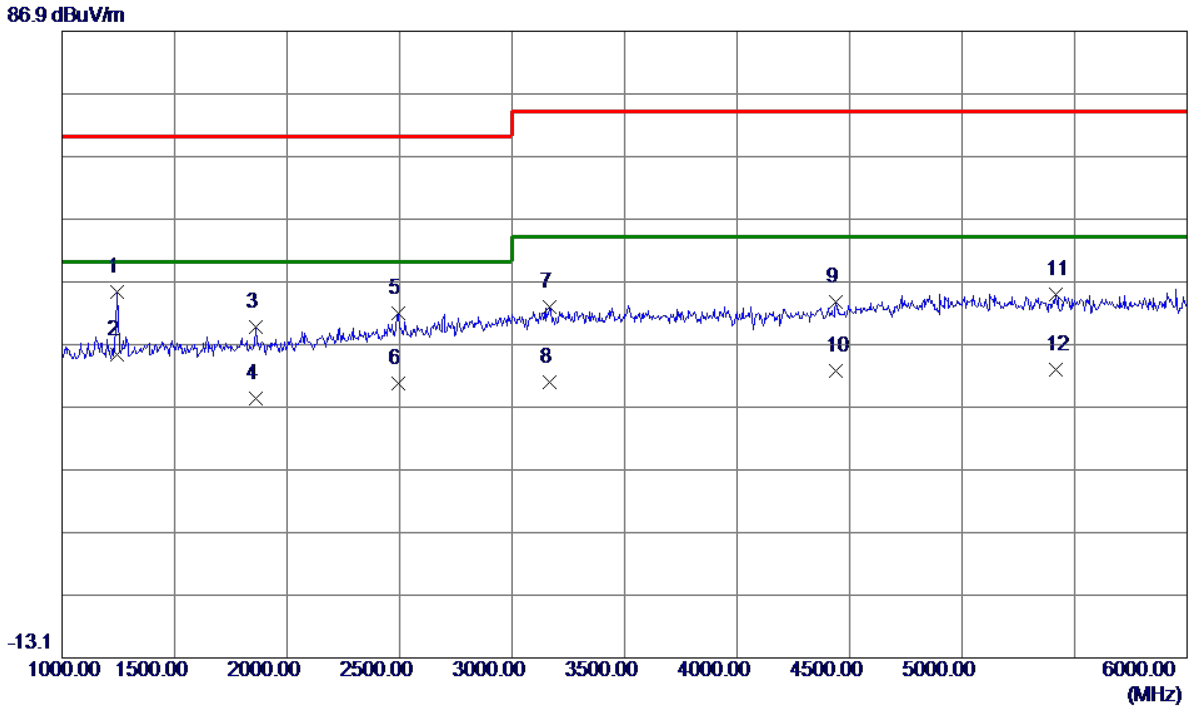
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1805.0000	41.71	-2.42	39.29	70.00	-30.71	Peak
2	1805.0000	31.17	-2.42	28.75	50.00	-21.25	AVG
3	2427.5000	41.80	0.19	41.99	70.00	-28.01	Peak
4	2427.5000	30.27	0.19	30.46	50.00	-19.54	AVG
5	3255.0000	40.10	3.60	43.70	74.00	-30.30	Peak
6	3255.0000	29.13	3.60	32.73	54.00	-21.27	AVG
7	4147.5000	37.89	5.34	43.23	74.00	-30.77	Peak
8	4147.5000	27.28	5.34	32.62	54.00	-21.38	AVG
9	4900.0000	38.31	7.62	45.93	74.00	-28.07	Peak
10	4900.0000	26.29	7.62	33.91	54.00	-20.09	AVG
11	5367.5000	37.70	8.32	46.02	74.00	-27.98	Peak
12 *	5367.5000	27.21	8.32	35.53	54.00	-18.47	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 110V/60Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



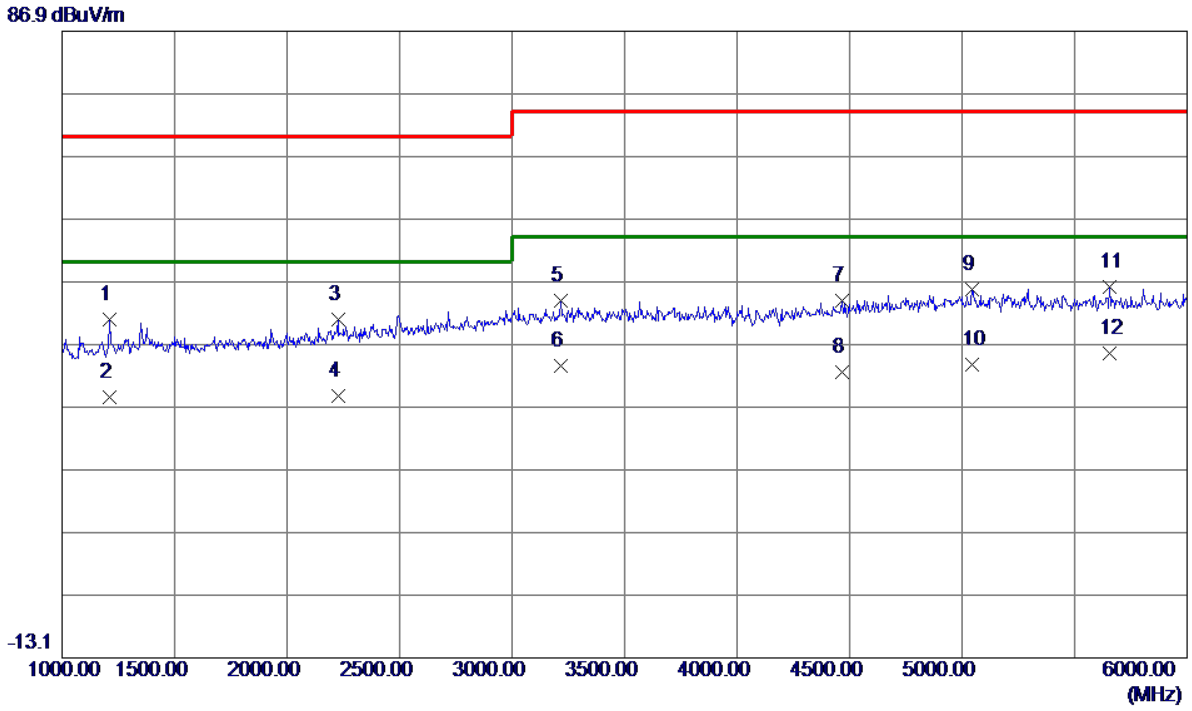
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1215.0000	47.11	-5.08	42.03	70.00	-27.97	Peak
2	1215.0000	35.64	-5.08	30.56	50.00	-19.44	AVG
3	2495.0000	43.15	0.50	43.65	70.00	-26.35	Peak
4	2495.0000	30.43	0.50	30.93	50.00	-19.07	AVG
5	3180.0000	40.67	3.44	44.11	74.00	-29.89	Peak
6	3180.0000	29.30	3.44	32.74	54.00	-21.26	AVG
7	4107.5000	39.45	5.24	44.69	74.00	-29.31	Peak
8	4107.5000	27.57	5.24	32.81	54.00	-21.19	AVG
9	4612.5000	38.90	6.63	45.53	74.00	-28.47	Peak
10	4612.5000	27.09	6.63	33.72	54.00	-20.28	AVG
11	5507.5000	38.03	8.46	46.49	74.00	-27.51	Peak
12 *	5507.5000	26.77	8.46	35.23	54.00	-18.77	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 2560*1440/144Hz		



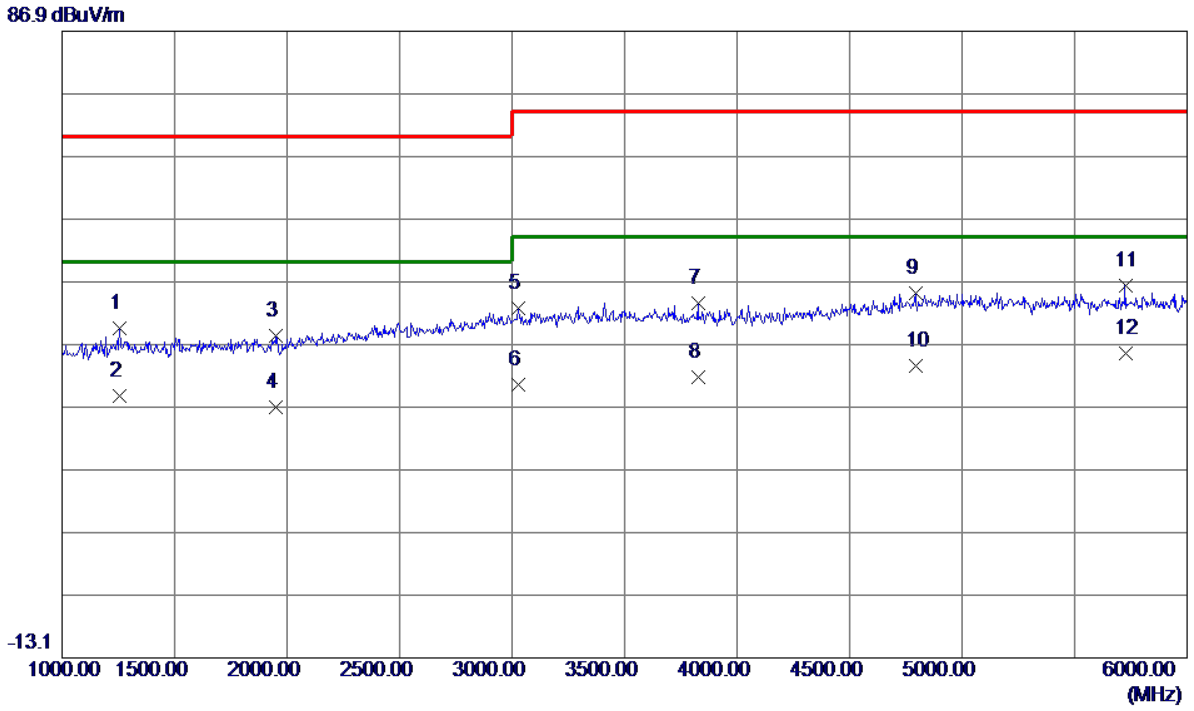
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1245.0000	50.27	-4.91	45.36	70.00	-24.64	Peak
2 *	1245.0000	40.26	-4.91	35.35	50.00	-14.65	AVG
3	1860.0000	41.94	-2.23	39.71	70.00	-30.29	Peak
4	1860.0000	30.52	-2.23	28.29	50.00	-21.71	AVG
5	2495.0000	41.42	0.50	41.92	70.00	-28.08	Peak
6	2495.0000	30.21	0.50	30.71	50.00	-19.29	AVG
7	3165.0000	39.43	3.41	42.84	74.00	-31.16	Peak
8	3165.0000	27.42	3.41	30.83	54.00	-23.17	AVG
9	4440.0000	37.67	6.09	43.76	74.00	-30.24	Peak
10	4440.0000	26.70	6.09	32.79	54.00	-21.21	AVG
11	5417.5000	36.54	8.37	44.91	74.00	-29.09	Peak
12	5417.5000	24.47	8.37	32.84	54.00	-21.16	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 2560*1440/144Hz		



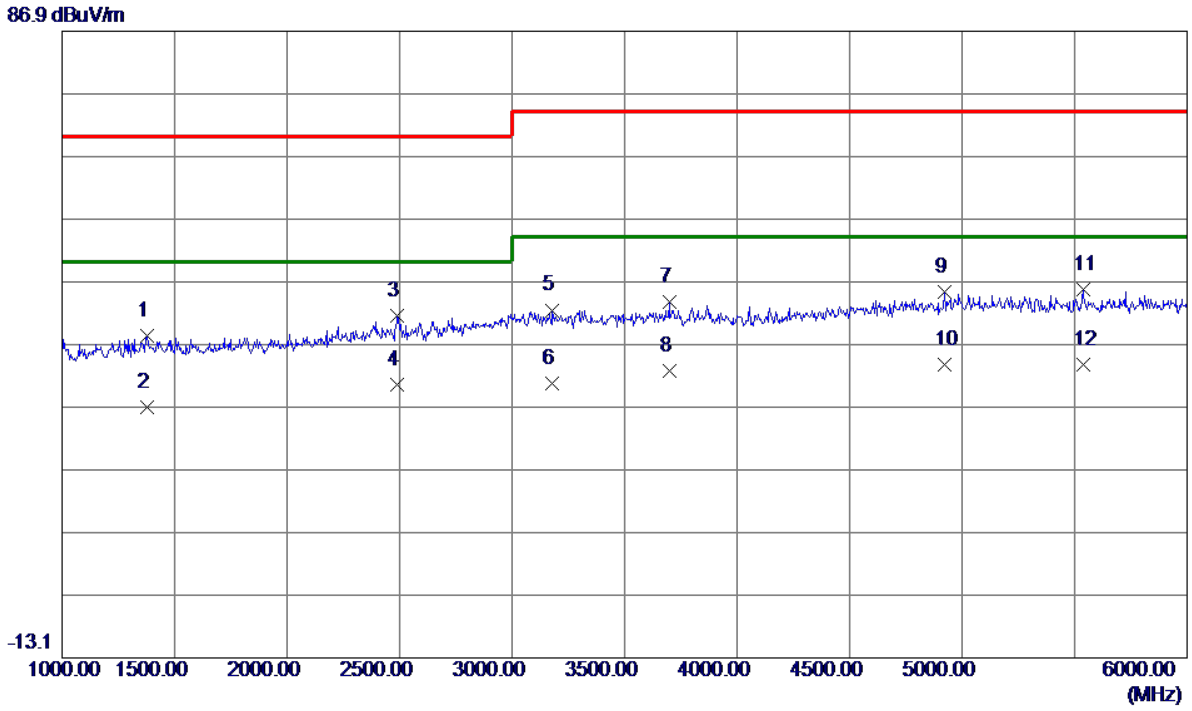
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1210.0000	46.00	-5.10	40.90	70.00	-29.10	Peak
2	1210.0000	33.66	-5.10	28.56	50.00	-21.44	AVG
3	2227.5000	41.64	-0.72	40.92	70.00	-29.08	Peak
4	2227.5000	29.46	-0.72	28.74	50.00	-21.26	AVG
5	3215.0000	40.44	3.51	43.95	74.00	-30.05	Peak
6	3215.0000	29.90	3.51	33.41	54.00	-20.59	AVG
7	4465.0000	37.79	6.15	43.94	74.00	-30.06	Peak
8	4465.0000	26.38	6.15	32.53	54.00	-21.47	AVG
9	5045.0000	37.75	8.01	45.76	74.00	-28.24	Peak
10	5045.0000	25.68	8.01	33.69	54.00	-20.31	AVG
11	5655.0000	37.55	8.58	46.13	74.00	-27.87	Peak
12 *	5655.0000	26.93	8.58	35.51	54.00	-18.49	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	DP 2560*1440/144Hz		



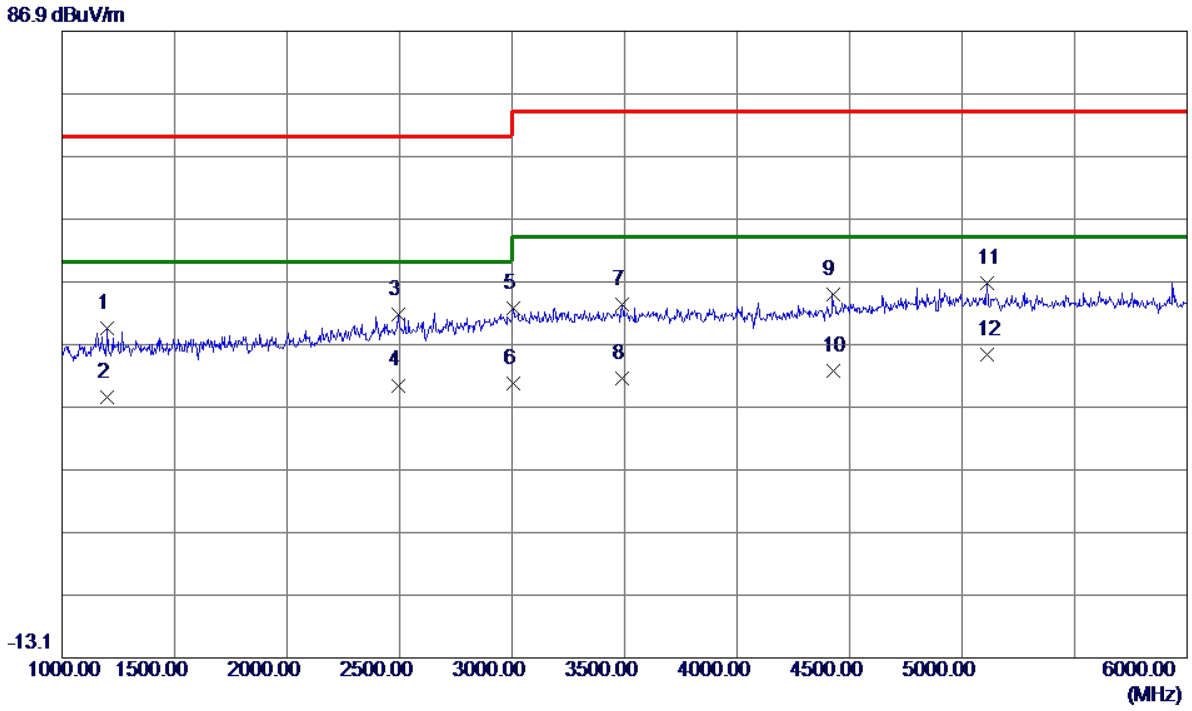
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1255.0000	44.37	-4.85	39.52	70.00	-30.48	Peak
2	1255.0000	33.60	-4.85	28.75	50.00	-21.25	AVG
3	1950.0000	40.28	-1.92	38.36	70.00	-31.64	Peak
4	1950.0000	28.88	-1.92	26.96	50.00	-23.04	AVG
5	3027.5000	39.50	3.12	42.62	74.00	-31.38	Peak
6	3027.5000	27.42	3.12	30.54	54.00	-23.46	AVG
7	3827.5000	38.87	4.67	43.54	74.00	-30.46	Peak
8	3827.5000	26.96	4.67	31.63	54.00	-22.37	AVG
9	4792.5000	37.78	7.25	45.03	74.00	-28.97	Peak
10	4792.5000	26.27	7.25	33.52	54.00	-20.48	AVG
11	5725.0000	37.66	8.64	46.30	74.00	-27.70	Peak
12 *	5725.0000	26.79	8.64	35.43	54.00	-18.57	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	DP 2560*1440/144Hz		



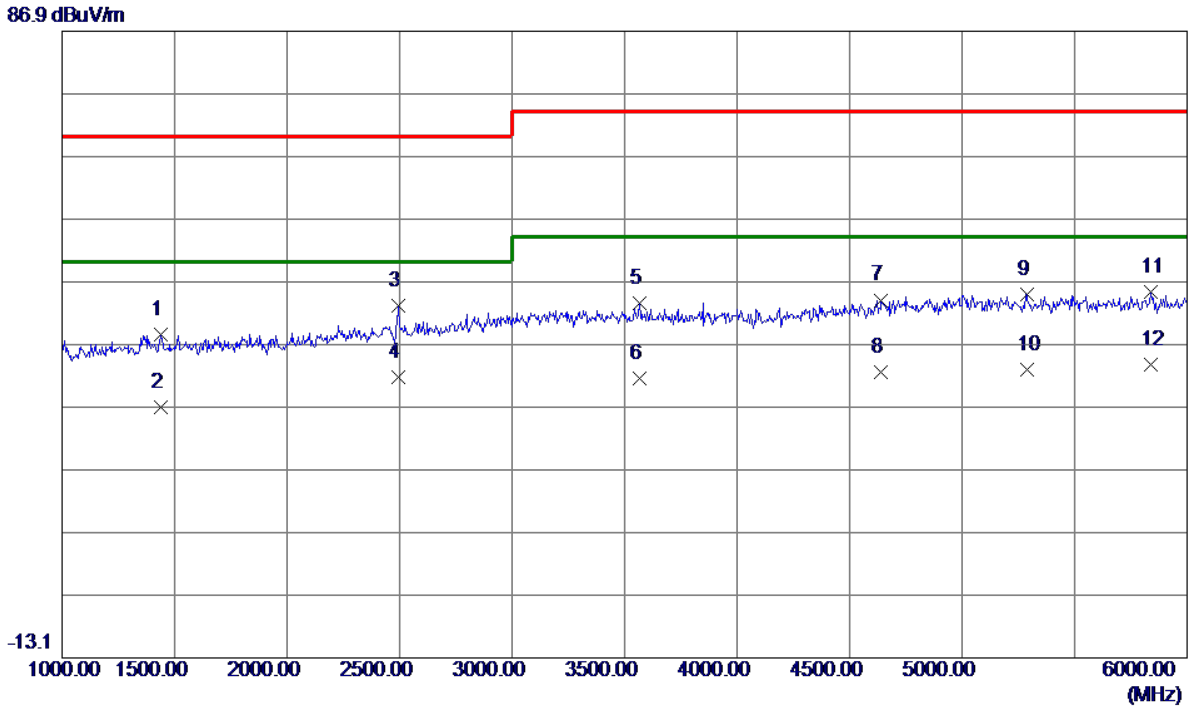
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1377.5000	42.47	-4.17	38.30	70.00	-31.70	Peak
2	1377.5000	31.06	-4.17	26.89	50.00	-23.11	AVG
3	2490.0000	41.12	0.47	41.59	70.00	-28.41	Peak
4 *	2490.0000	29.98	0.47	30.45	50.00	-19.55	AVG
5	3180.0000	38.96	3.44	42.40	74.00	-31.60	Peak
6	3180.0000	27.31	3.44	30.75	54.00	-23.25	AVG
7	3697.5000	39.22	4.45	43.67	74.00	-30.33	Peak
8	3697.5000	28.16	4.45	32.61	54.00	-21.39	AVG
9	4920.0000	37.61	7.69	45.30	74.00	-28.70	Peak
10	4920.0000	26.09	7.69	33.78	54.00	-20.22	AVG
11	5537.5000	37.13	8.48	45.61	74.00	-28.39	Peak
12	5537.5000	25.21	8.48	33.69	54.00	-20.31	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1080P		



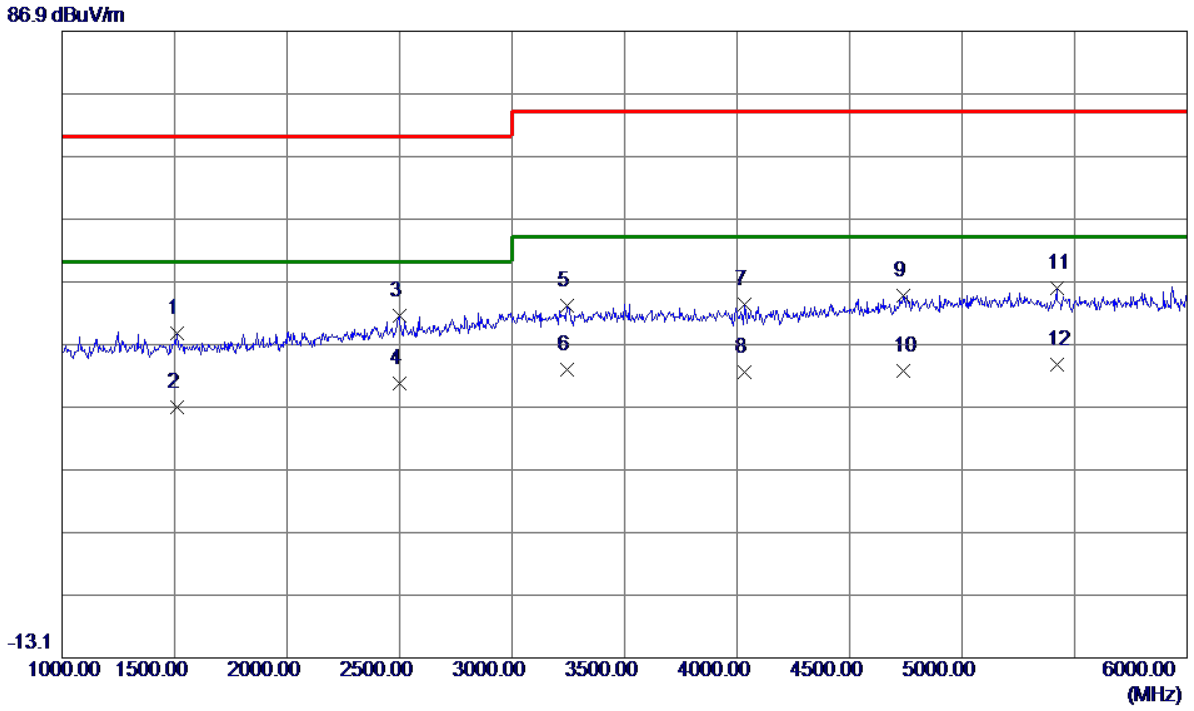
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1200.0000	44.66	-5.16	39.50	70.00	-30.50	Peak
2	1200.0000	33.73	-5.16	28.57	50.00	-21.43	AVG
3	2492.5000	41.19	0.49	41.68	70.00	-28.32	Peak
4	2492.5000	29.91	0.49	30.40	50.00	-19.60	AVG
5	3007.5000	39.60	3.08	42.68	74.00	-31.32	Peak
6	3007.5000	27.71	3.08	30.79	54.00	-23.21	AVG
7	3487.5000	39.20	4.08	43.28	74.00	-30.72	Peak
8	3487.5000	27.50	4.08	31.58	54.00	-22.42	AVG
9	4425.0000	38.77	6.05	44.82	74.00	-29.18	Peak
10	4425.0000	26.57	6.05	32.62	54.00	-21.38	AVG
11	5112.5000	38.61	8.08	46.69	74.00	-27.31	Peak
12 *	5112.5000	27.27	8.08	35.35	54.00	-18.65	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1080P		



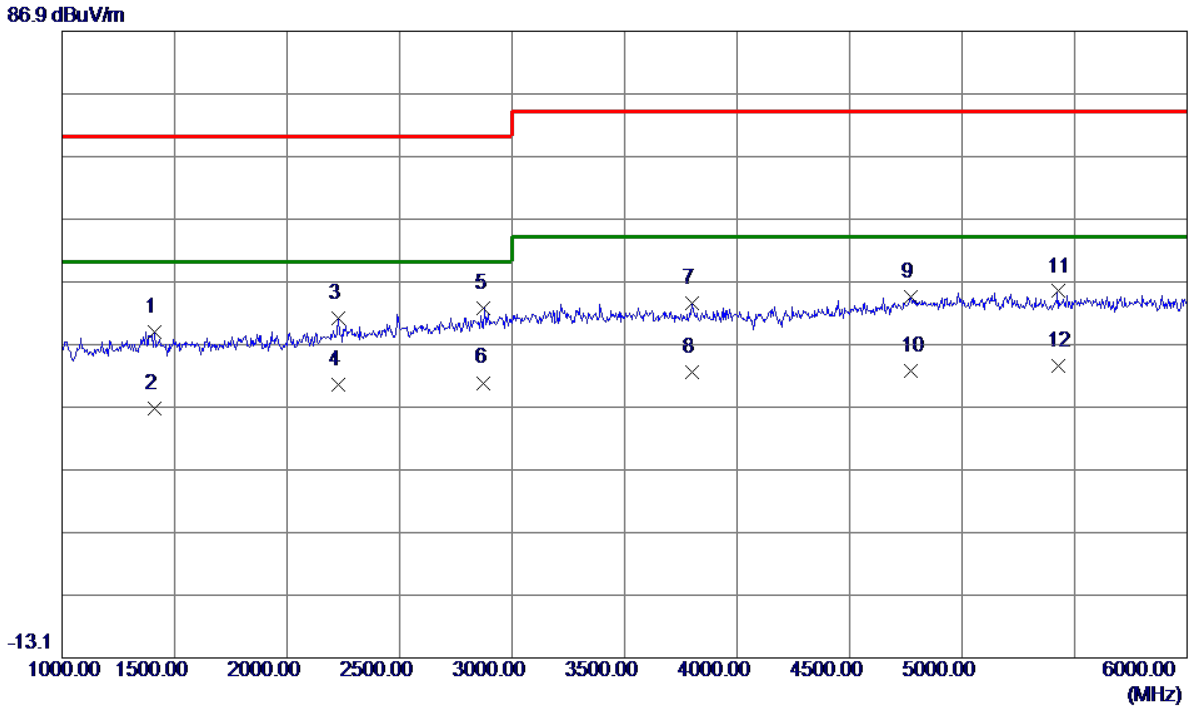
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1440.0000	42.36	-3.82	38.54	70.00	-31.46	Peak
2	1440.0000	30.74	-3.82	26.92	50.00	-23.08	AVG
3	2495.0000	42.58	0.50	43.08	70.00	-26.92	Peak
4 *	2495.0000	31.25	0.50	31.75	50.00	-18.25	AVG
5	3565.0000	39.27	4.22	43.49	74.00	-30.51	Peak
6	3565.0000	27.26	4.22	31.48	54.00	-22.52	AVG
7	4640.0000	37.28	6.72	44.00	74.00	-30.00	Peak
8	4640.0000	25.85	6.72	32.57	54.00	-21.43	AVG
9	5287.5000	36.67	8.25	44.92	74.00	-29.08	Peak
10	5287.5000	24.58	8.25	32.83	54.00	-21.17	AVG
11	5840.0000	36.48	8.74	45.22	74.00	-28.78	Peak
12	5840.0000	24.89	8.74	33.63	54.00	-20.37	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 110V/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	1512.5000	42.12	-3.44	38.68	70.00	-31.32	Peak
2	1512.5000	30.29	-3.44	26.85	50.00	-23.15	AVG
3	2497.5000	41.08	0.51	41.59	70.00	-28.41	Peak
4 *	2497.5000	30.23	0.51	30.74	50.00	-19.26	AVG
5	3245.0000	39.50	3.57	43.07	74.00	-30.93	Peak
6	3245.0000	29.26	3.57	32.83	54.00	-21.17	AVG
7	4035.0000	38.18	5.05	43.23	74.00	-30.77	Peak
8	4035.0000	27.54	5.05	32.59	54.00	-21.41	AVG
9	4740.0000	37.70	7.07	44.77	74.00	-29.23	Peak
10	4740.0000	25.54	7.07	32.61	54.00	-21.39	AVG
11	5420.0000	37.47	8.37	45.84	74.00	-28.16	Peak
12	5420.0000	25.36	8.37	33.73	54.00	-20.27	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 110V/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	1412.5000	42.91	-3.97	38.94	70.00	-31.06	Peak
2	1412.5000	30.76	-3.97	26.79	50.00	-23.21	AVG
3	2227.5000	41.89	-0.72	41.17	70.00	-28.83	Peak
4	2227.5000	31.23	-0.72	30.51	50.00	-19.49	AVG
5	2875.0000	40.24	2.42	42.66	70.00	-27.34	Peak
6 *	2875.0000	28.38	2.42	30.80	50.00	-19.20	AVG
7	3802.5000	38.80	4.62	43.42	74.00	-30.58	Peak
8	3802.5000	27.91	4.62	32.53	54.00	-21.47	AVG
9	4770.0000	37.38	7.17	44.55	74.00	-29.45	Peak
10	4770.0000	25.52	7.17	32.69	54.00	-21.31	AVG
11	5425.0000	37.02	8.38	45.40	74.00	-28.60	Peak
12	5425.0000	25.06	8.38	33.44	54.00	-20.56	AVG

3.3 CONDUCTED EMISSION MEASUREMENT AT AC MAINS POWER PORTS

3.3.1 LIMITS

Requirements for conducted emissions from AC mains power ports of Class B equipment

Frequency Range MHz	Coupling Device	Detector Type / bandwidth	Class B Limits (dB(μV))
0.15 - 0.5	AMN	Quasi Peak / 9 kHz	66-56
0.5 - 5			56
5 - 30			60
0.15 - 0.5	AMN	Average / 9 kHz	56-46
0.5 - 5			46
5 - 30			50

NOTE:

(1) 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

3.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	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-03A 1-01	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.

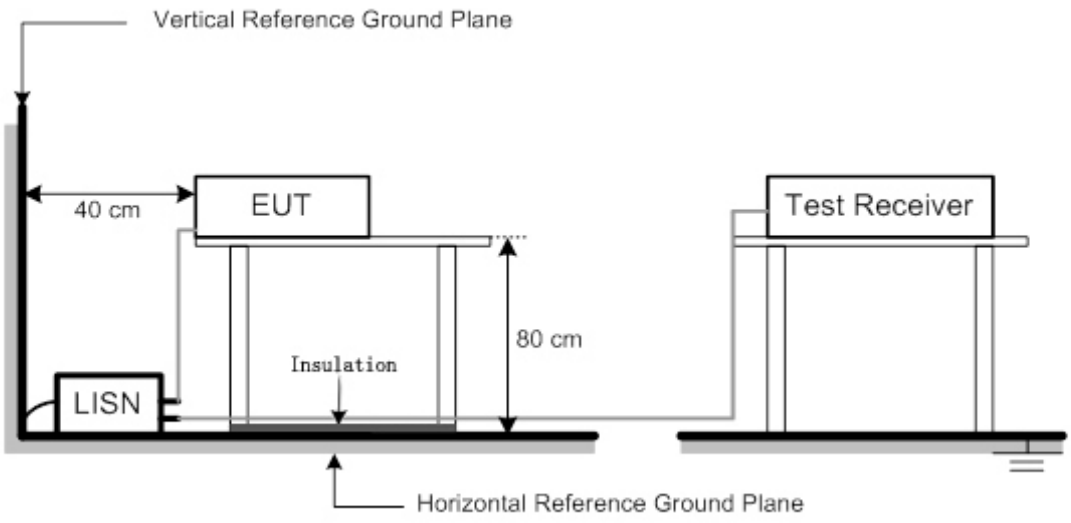
3.3.3 TEST PROCEDURE

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.

3.3.4 DEVIATION FROM TEST STANDARD

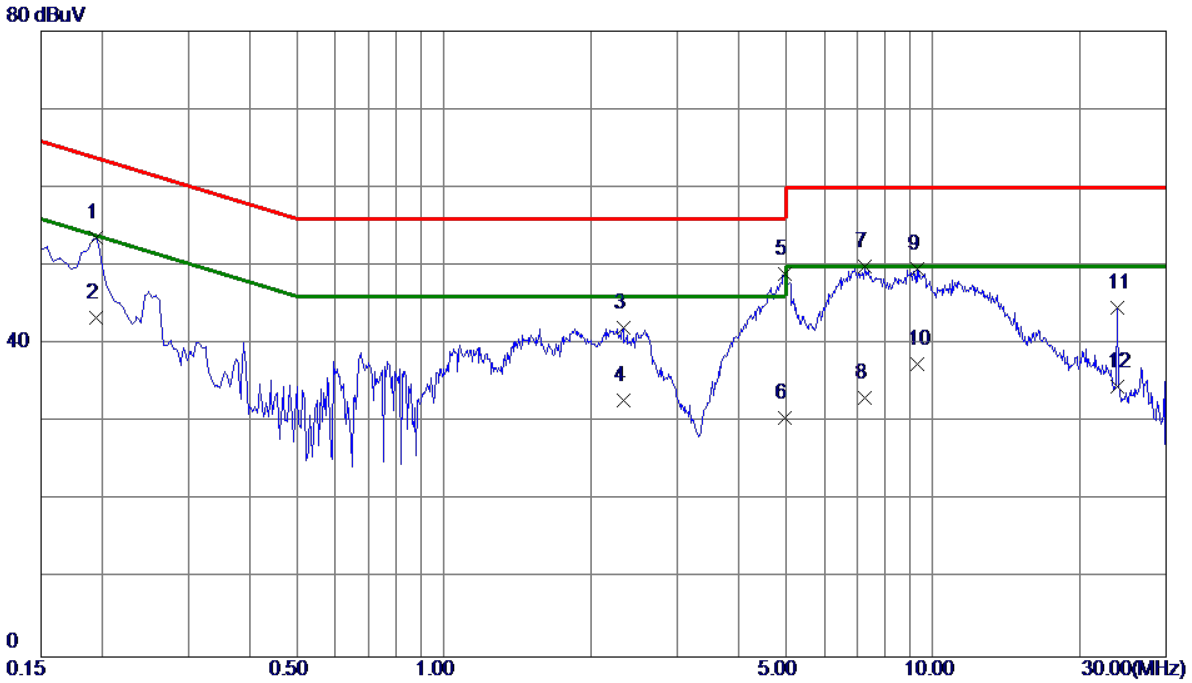
No deviation

3.3.5 TEST SETUP



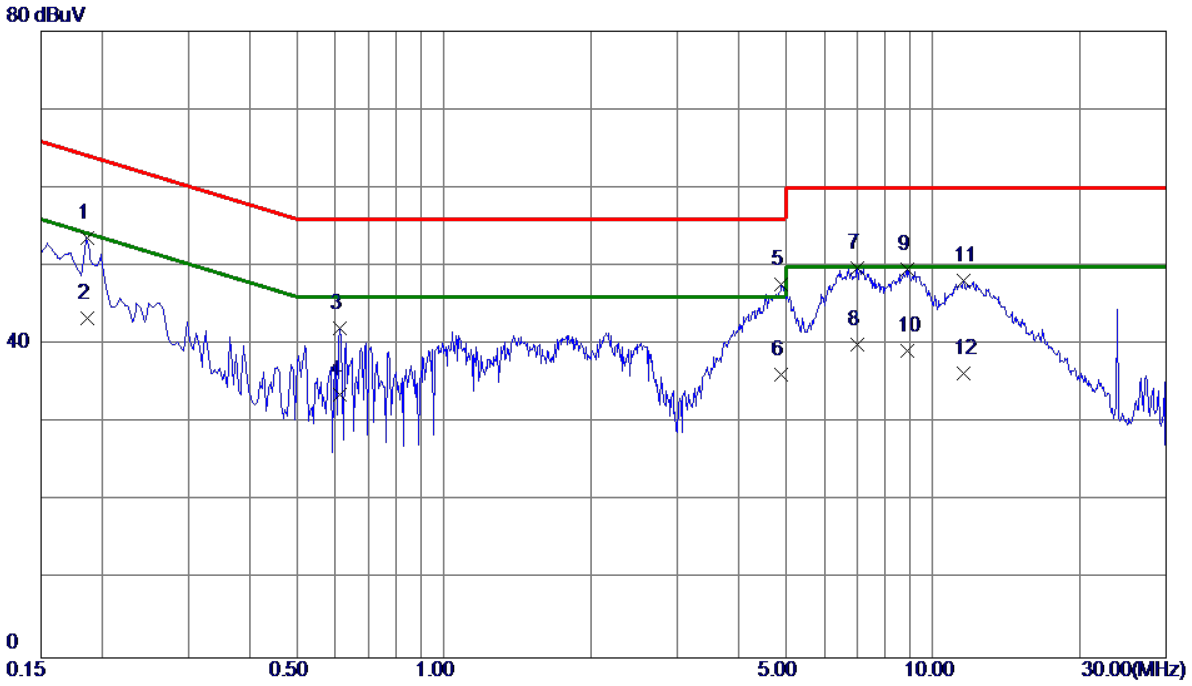
3.3.6 TEST RESULTS

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Line
Test Mode	HDMI1 1920*1080/165Hz		



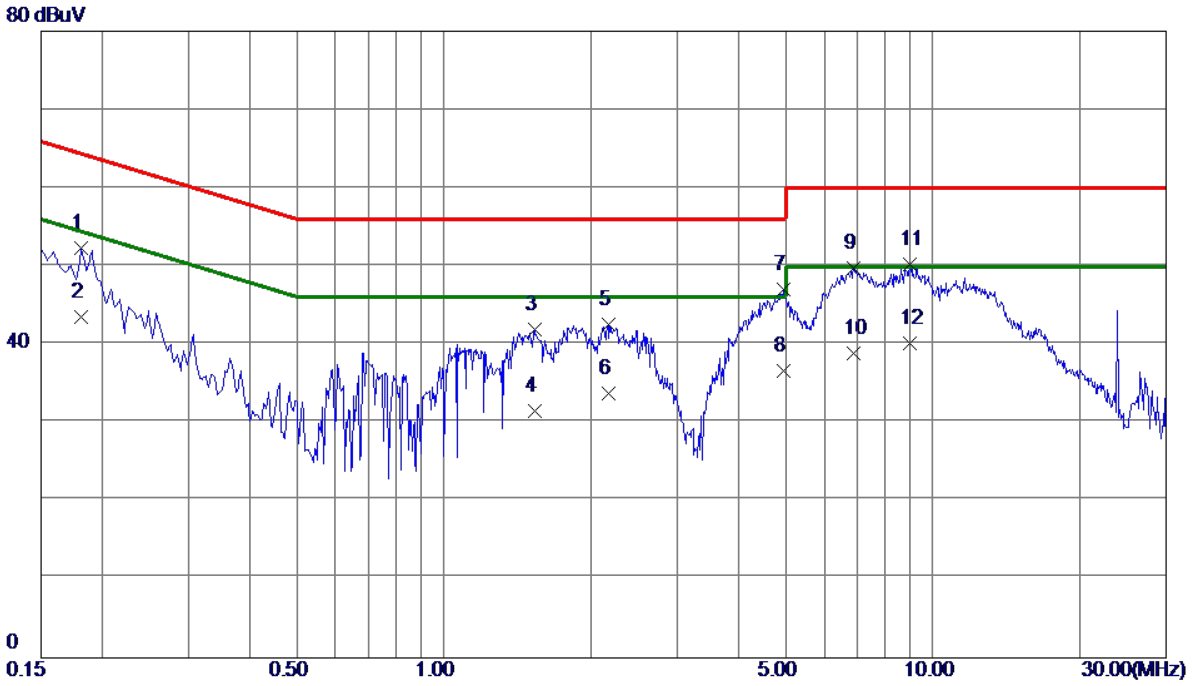
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1949	43.82	9.81	53.63	63.83	-10.20	QP
2	0.1949	33.50	9.81	43.31	53.83	-10.52	AVG
3	2.3325	32.11	10.02	42.13	56.00	-13.87	QP
4	2.3325	22.80	10.02	32.82	46.00	-13.18	AVG
5 *	4.9874	38.69	10.19	48.88	56.00	-7.12	QP
6	4.9875	20.30	10.19	30.49	46.00	-15.51	AVG
7	7.2735	39.51	10.34	49.85	60.00	-10.15	QP
8	7.2735	22.71	10.34	33.05	50.00	-16.95	AVG
9	9.2850	39.07	10.45	49.52	60.00	-10.48	QP
10	9.2850	26.96	10.45	37.41	50.00	-12.59	AVG
11	23.8515	33.55	11.14	44.69	60.00	-15.31	QP
12	23.8515	23.40	11.14	34.54	50.00	-15.46	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Neutral
Test Mode	HDMI1 1920*1080/165Hz		



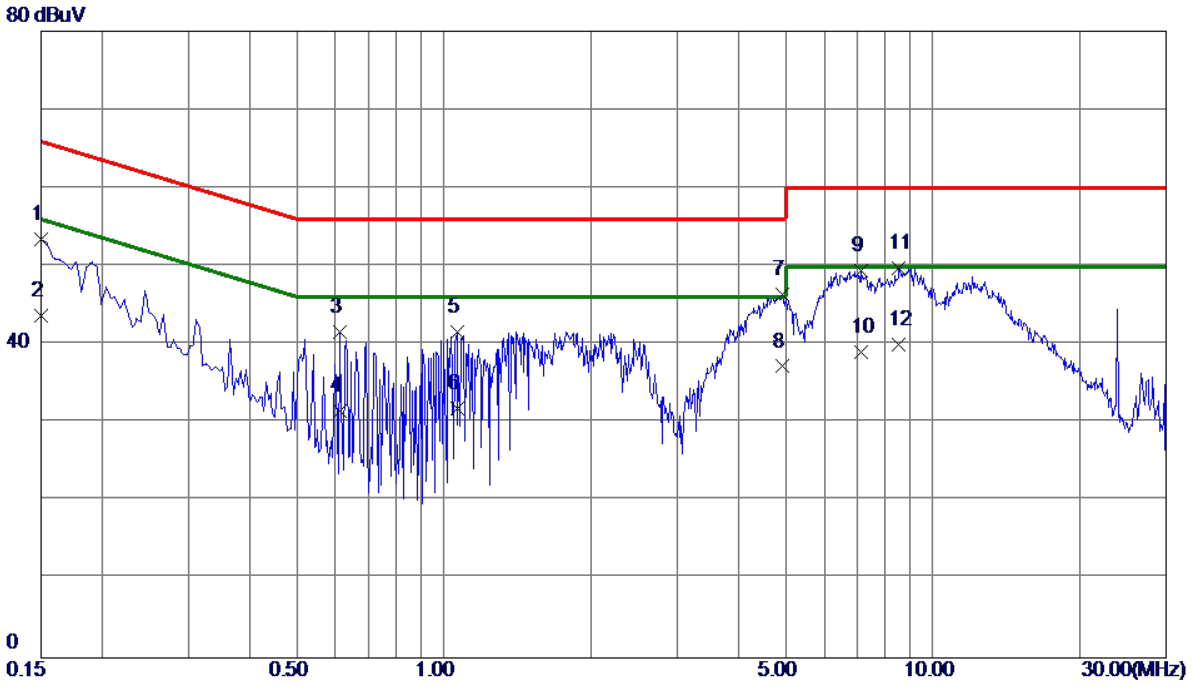
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1860	43.71	9.90	53.61	64.21	-10.60	QP
2	0.1860	33.40	9.90	43.30	54.21	-10.91	AVG
3	0.6134	32.04	10.04	42.08	56.00	-13.92	QP
4	0.6134	23.50	10.04	33.54	46.00	-12.46	AVG
5 *	4.9064	37.32	10.39	47.71	56.00	-8.29	QP
6	4.9064	25.81	10.39	36.20	46.00	-9.80	AVG
7	7.0215	39.10	10.59	49.69	60.00	-10.31	QP
8	7.0215	29.40	10.59	39.99	50.00	-10.01	AVG
9	8.8754	38.97	10.69	49.66	60.00	-10.34	QP
10	8.8754	28.49	10.69	39.18	50.00	-10.82	AVG
11	11.5710	37.30	10.85	48.15	60.00	-11.85	QP
12	11.5710	25.50	10.85	36.35	50.00	-13.65	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Line
Test Mode	D-SUB 1920*1080/60Hz		



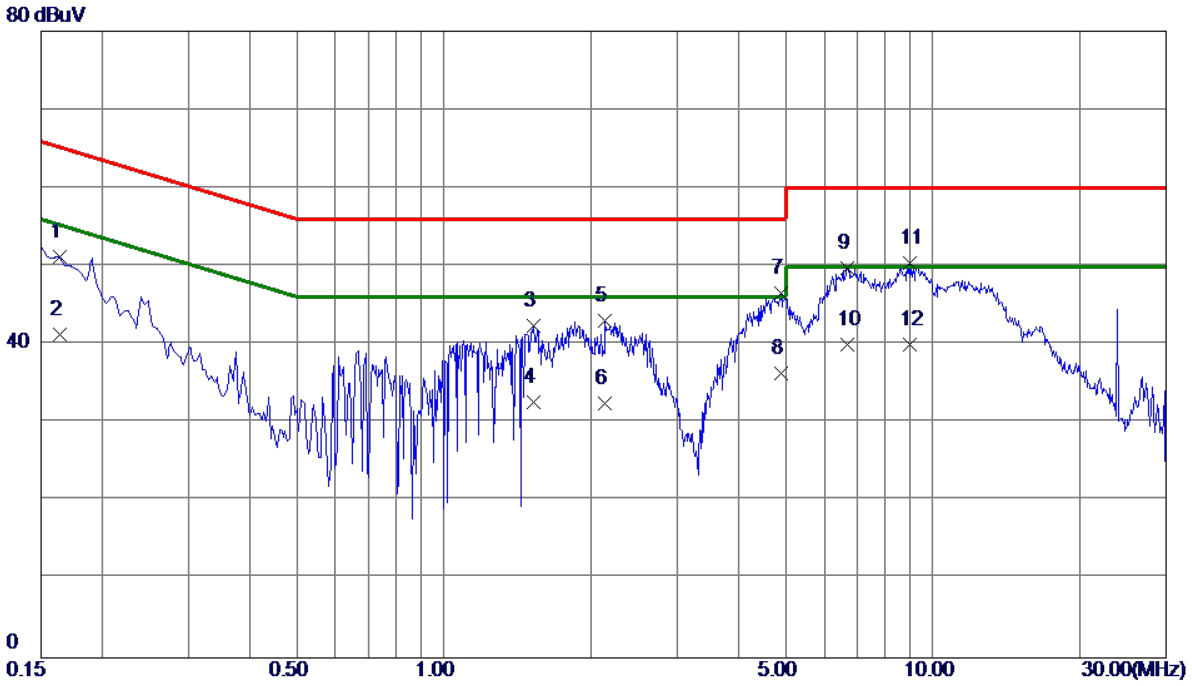
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	42.52	9.82	52.34	64.42	-12.08	QP
2	0.1815	33.70	9.82	43.52	54.42	-10.90	AVG
3	1.5315	31.98	9.96	41.94	56.00	-14.06	QP
4	1.5315	21.50	9.96	31.46	46.00	-14.54	AVG
5	2.1660	32.57	10.01	42.58	56.00	-13.42	QP
6	2.1660	23.80	10.01	33.81	46.00	-12.19	AVG
7 *	4.9560	36.86	10.19	47.05	56.00	-8.95	QP
8	4.9560	26.40	10.19	36.59	46.00	-9.41	AVG
9	6.8910	39.48	10.32	49.80	60.00	-10.20	QP
10	6.8910	28.50	10.32	38.82	50.00	-11.18	AVG
11	8.9970	39.76	10.44	50.20	60.00	-9.80	QP
12	8.9970	29.79	10.44	40.23	50.00	-9.77	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Neutral
Test Mode	D-SUB 1920*1080/60Hz		



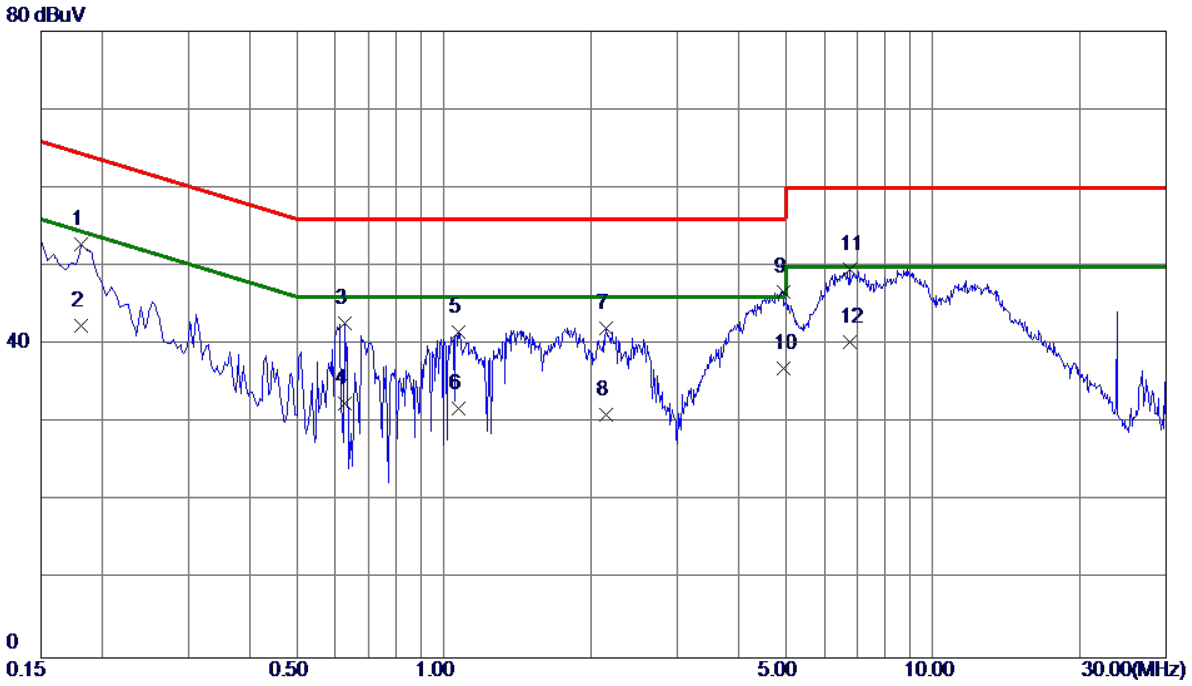
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	43.48	9.91	53.39	66.00	-12.61	QP
2	0.1500	33.70	9.91	43.61	56.00	-12.39	AVG
3	0.6134	31.58	10.04	41.62	56.00	-14.38	QP
4	0.6134	21.50	10.04	31.54	46.00	-14.46	AVG
5	1.0635	31.50	10.12	41.62	56.00	-14.38	QP
6	1.0635	21.70	10.12	31.82	46.00	-14.18	AVG
7	4.9110	36.08	10.39	46.47	56.00	-9.53	QP
8 *	4.9110	26.81	10.39	37.20	46.00	-8.80	AVG
9	7.1160	38.89	10.59	49.48	60.00	-10.52	QP
10	7.1160	28.50	10.59	39.09	50.00	-10.91	AVG
11	8.5155	39.09	10.67	49.76	60.00	-10.24	QP
12	8.5155	29.30	10.67	39.97	50.00	-10.03	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Line
Test Mode	HDMI1 1080P		



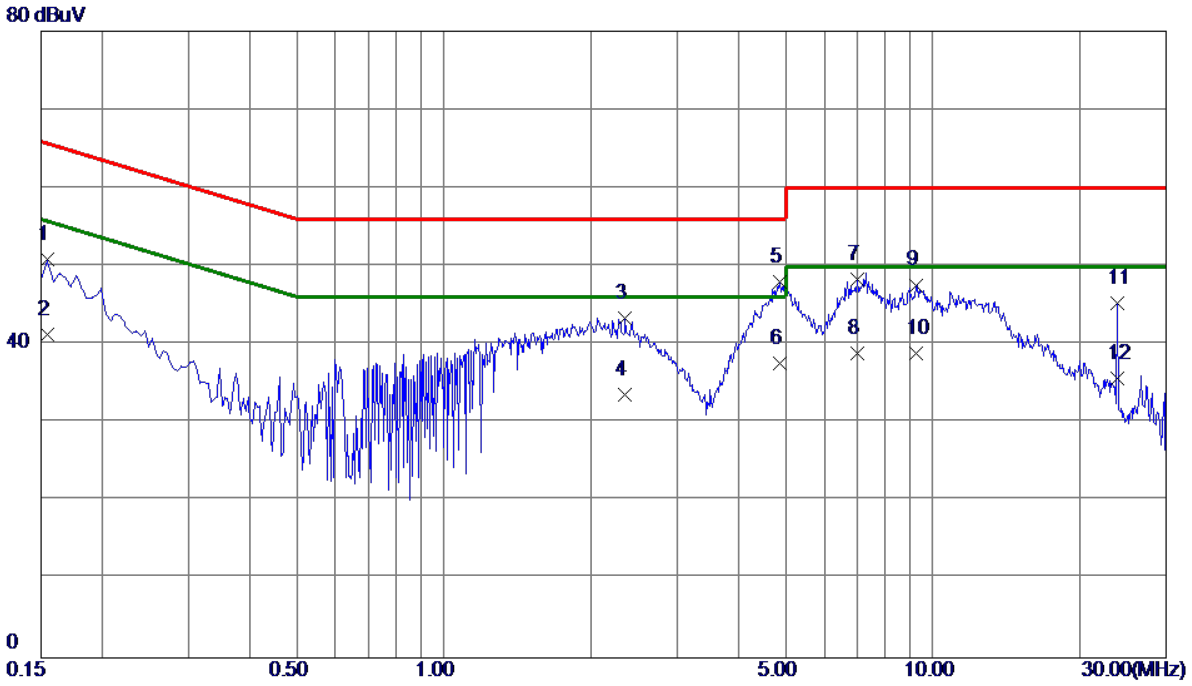
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1635	41.44	9.82	51.26	65.28	-14.02	QP
2	0.1635	31.50	9.82	41.32	55.28	-13.96	AVG
3	1.5225	32.46	9.96	42.42	56.00	-13.58	QP
4	1.5225	22.70	9.96	32.66	46.00	-13.34	AVG
5	2.1345	32.99	10.01	43.00	56.00	-13.00	QP
6	2.1345	22.40	10.01	32.41	46.00	-13.59	AVG
7 *	4.8930	36.39	10.18	46.57	56.00	-9.43	QP
8	4.8930	26.21	10.18	36.39	46.00	-9.61	AVG
9	6.6840	39.51	10.30	49.81	60.00	-10.19	QP
10	6.6840	29.71	10.30	40.01	50.00	-9.99	AVG
11	8.9925	39.94	10.44	50.38	60.00	-9.62	QP
12	8.9925	29.49	10.44	39.93	50.00	-10.07	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Neutral
Test Mode	HDMI1 1080P		



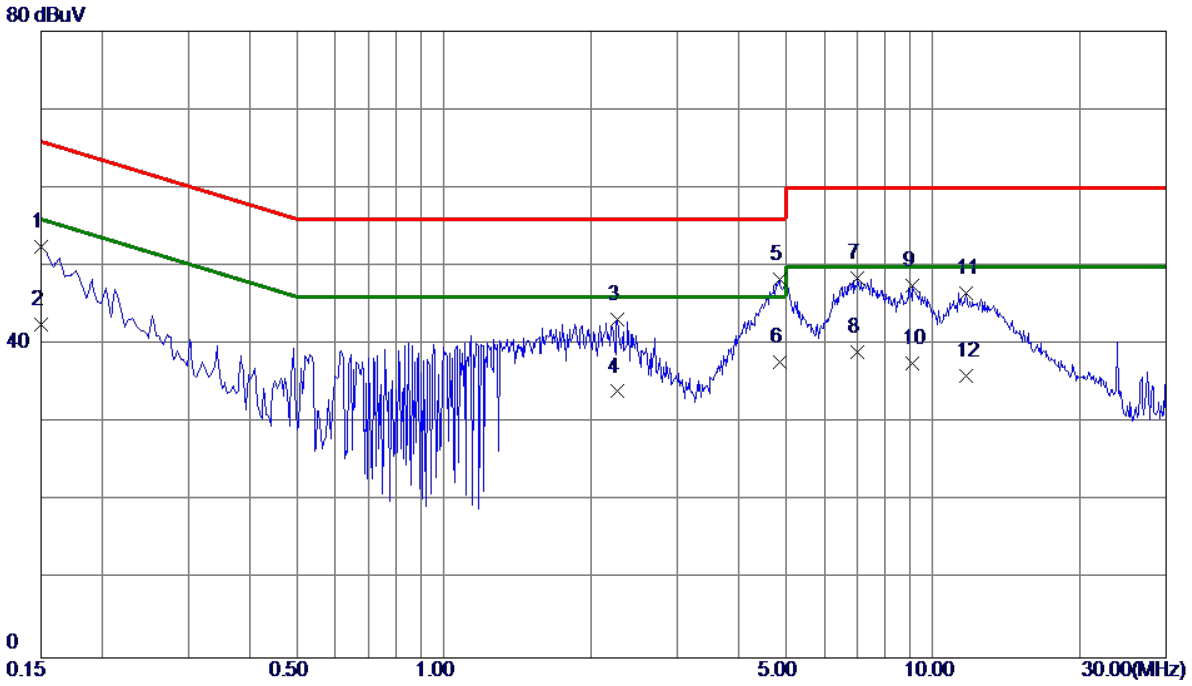
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	42.84	9.91	52.75	64.42	-11.67	QP
2	0.1815	32.50	9.91	42.41	54.42	-12.01	AVG
3	0.6270	32.61	10.05	42.66	56.00	-13.34	QP
4	0.6270	22.40	10.05	32.45	46.00	-13.55	AVG
5	1.0725	31.40	10.13	41.53	56.00	-14.47	QP
6	1.0725	21.70	10.13	31.83	46.00	-14.17	AVG
7	2.1480	31.89	10.20	42.09	56.00	-13.91	QP
8	2.1480	20.80	10.20	31.00	46.00	-15.00	AVG
9	4.9470	36.38	10.40	46.78	56.00	-9.22	QP
10 *	4.9470	26.50	10.40	36.90	46.00	-9.10	AVG
11	6.7650	39.02	10.56	49.58	60.00	-10.42	QP
12	6.7650	29.71	10.56	40.27	50.00	-9.73	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 110V/60Hz	Phase	Line
Test Mode	HDMI1 1920*1080/165Hz		



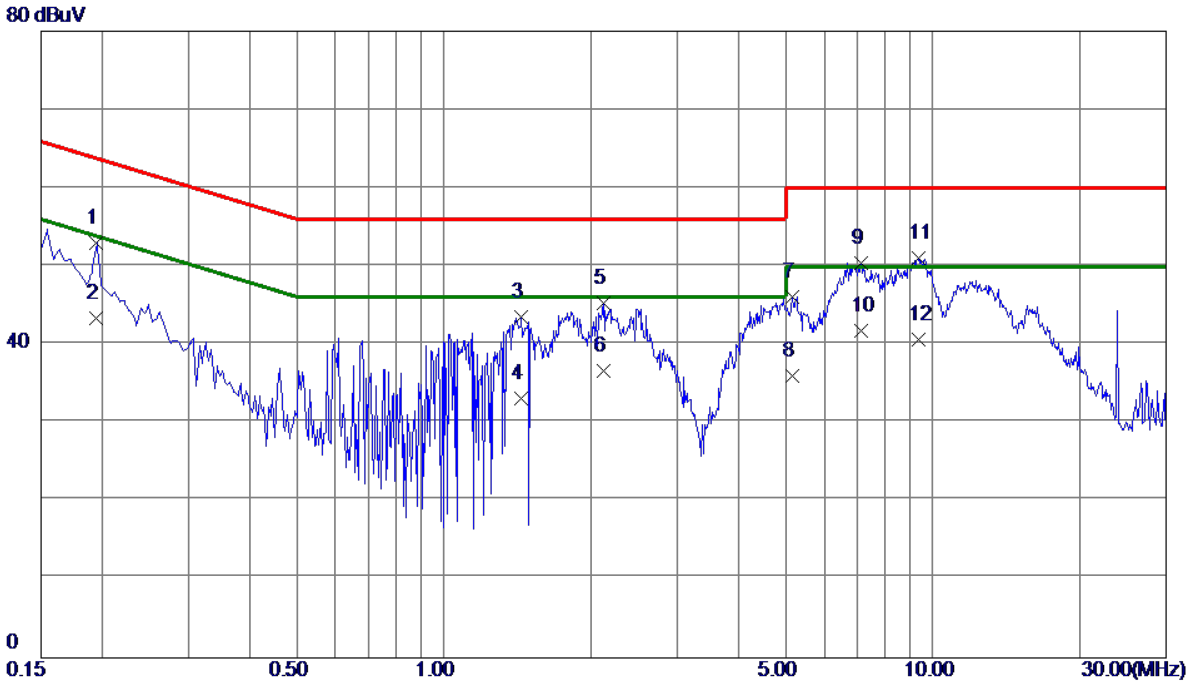
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1545	41.06	9.82	50.88	65.75	-14.87	QP
2	0.1545	31.40	9.82	41.22	55.75	-14.53	AVG
3	2.3460	33.30	10.02	43.32	56.00	-12.68	QP
4	2.3460	23.60	10.02	33.62	46.00	-12.38	AVG
5 *	4.8659	37.88	10.18	48.06	56.00	-7.94	QP
6	4.8659	27.40	10.18	37.58	46.00	-8.42	AVG
7	7.0080	38.00	10.33	48.33	60.00	-11.67	QP
8	7.0080	28.60	10.33	38.93	50.00	-11.07	AVG
9	9.2490	37.15	10.45	47.60	60.00	-12.40	QP
10	9.2490	28.50	10.45	38.95	50.00	-11.05	AVG
11	23.8515	34.12	11.14	45.26	60.00	-14.74	QP
12	23.8515	24.50	11.14	35.64	50.00	-14.36	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 110V/60Hz	Phase	Neutral
Test Mode	HDMI1 1920*1080/165Hz		



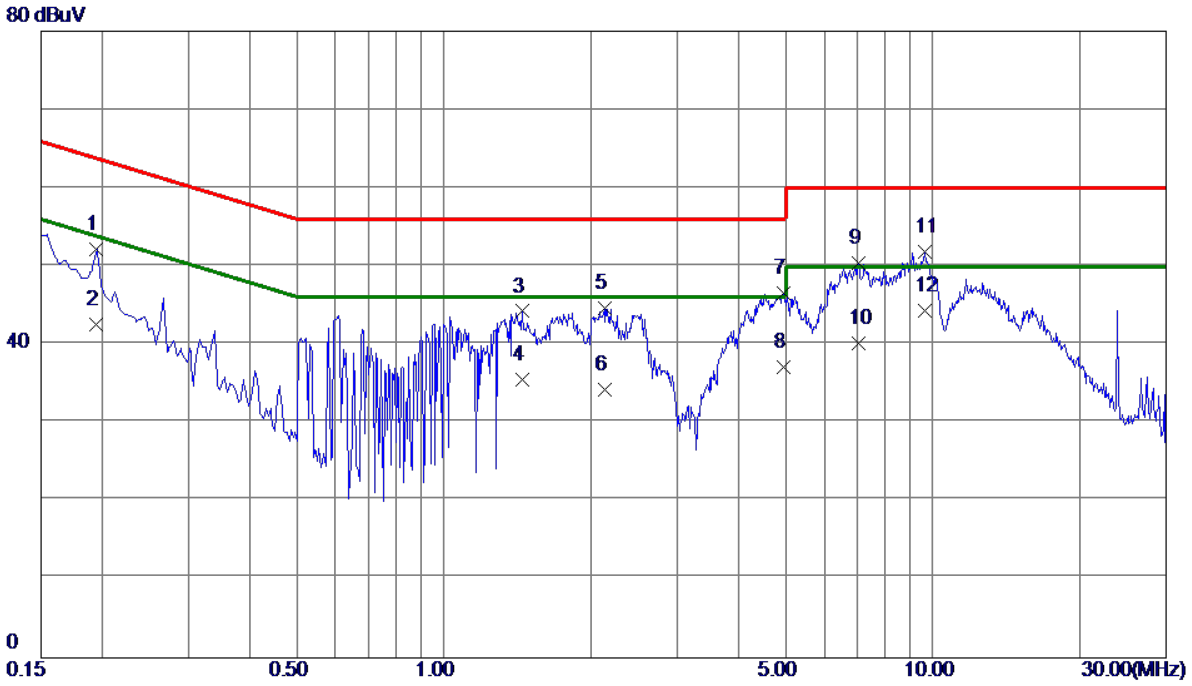
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	42.64	9.91	52.55	66.00	-13.45	QP
2	0.1500	32.60	9.91	42.51	56.00	-13.49	AVG
3	2.2695	33.03	10.20	43.23	56.00	-12.77	QP
4	2.2695	23.80	10.20	34.00	46.00	-12.00	AVG
5 *	4.8525	37.90	10.39	48.29	56.00	-7.71	QP
6	4.8525	27.39	10.39	37.78	46.00	-8.22	AVG
7	7.0260	37.91	10.59	48.50	60.00	-11.50	QP
8	7.0260	28.50	10.59	39.09	50.00	-10.91	AVG
9	9.0870	36.80	10.70	47.50	60.00	-12.50	QP
10	9.0870	26.90	10.70	37.60	50.00	-12.40	AVG
11	11.6835	35.71	10.86	46.57	60.00	-13.43	QP
12	11.6835	25.10	10.86	35.96	50.00	-14.04	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Phase	Line
Test Mode	HDMI1 2560*1440/144Hz		



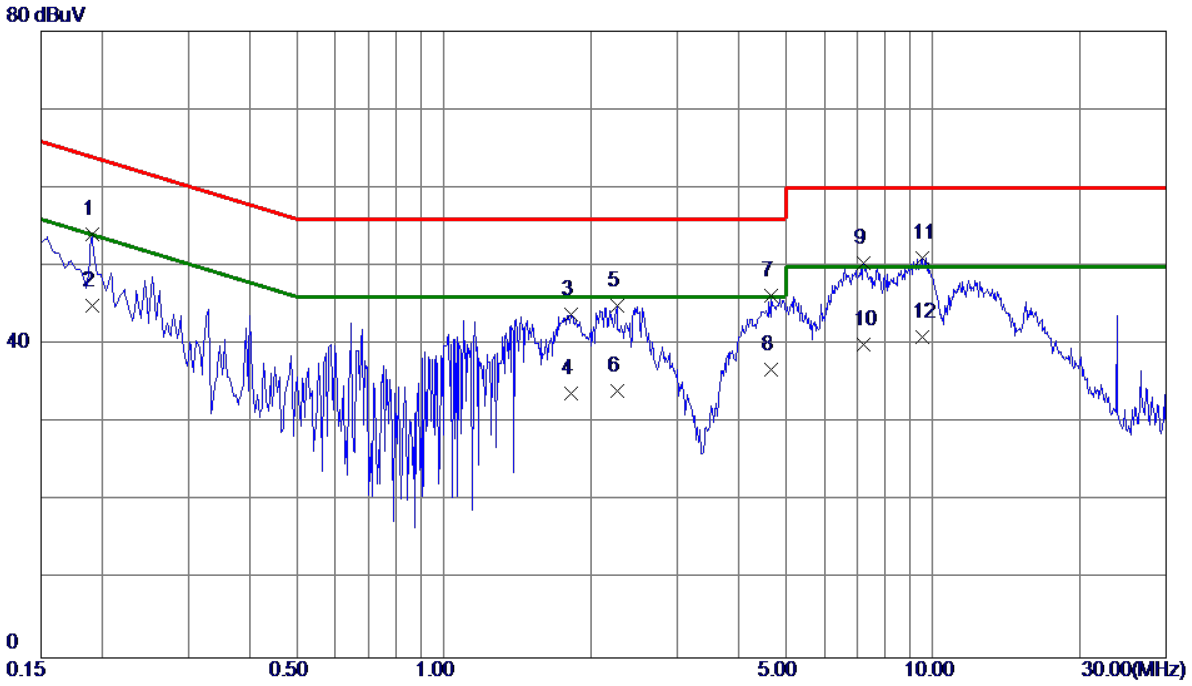
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1949	43.15	9.81	52.96	63.83	-10.87	QP
2	0.1949	33.60	9.81	43.41	53.83	-10.42	AVG
3	1.4415	33.64	9.95	43.59	56.00	-12.41	QP
4	1.4415	23.10	9.95	33.05	46.00	-12.95	AVG
5	2.1165	35.26	10.01	45.27	56.00	-10.73	QP
6	2.1165	26.70	10.01	36.71	46.00	-9.29	AVG
7	5.1495	35.86	10.20	46.06	60.00	-13.94	QP
8	5.1495	25.80	10.20	36.00	50.00	-14.00	AVG
9	7.1250	40.14	10.33	50.47	60.00	-9.53	QP
10 *	7.1250	31.40	10.33	41.73	50.00	-8.27	AVG
11	9.3435	40.61	10.46	51.07	60.00	-8.93	QP
12	9.3435	30.19	10.46	40.65	50.00	-9.35	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Phase	Neutral
Test Mode	HDMI1 2560*1440/144Hz		



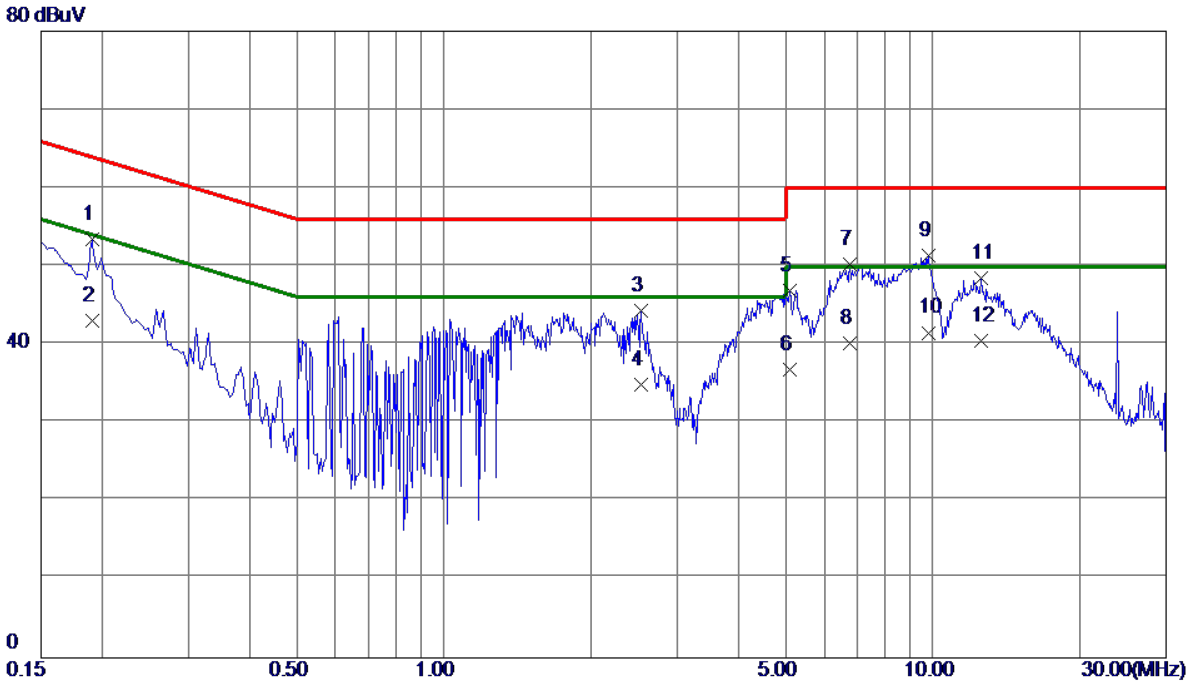
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1949	42.20	9.90	52.10	63.83	-11.73	QP
2	0.1949	32.60	9.90	42.50	53.83	-11.33	AVG
3	1.4460	34.09	10.15	44.24	56.00	-11.76	QP
4	1.4460	25.30	10.15	35.45	46.00	-10.55	AVG
5	2.1300	34.48	10.20	44.68	56.00	-11.32	QP
6	2.1300	24.10	10.20	34.30	46.00	-11.70	AVG
7	4.9425	36.18	10.40	46.58	56.00	-9.42	QP
8	4.9425	26.70	10.40	37.10	46.00	-8.90	AVG
9	7.0620	39.74	10.59	50.33	60.00	-9.67	QP
10	7.0620	29.50	10.59	40.09	50.00	-9.91	AVG
11	9.6270	41.17	10.72	51.89	60.00	-8.11	QP
12 *	9.6270	33.62	10.72	44.34	50.00	-5.66	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Phase	Line
Test Mode	DP 2560*1440/144Hz		



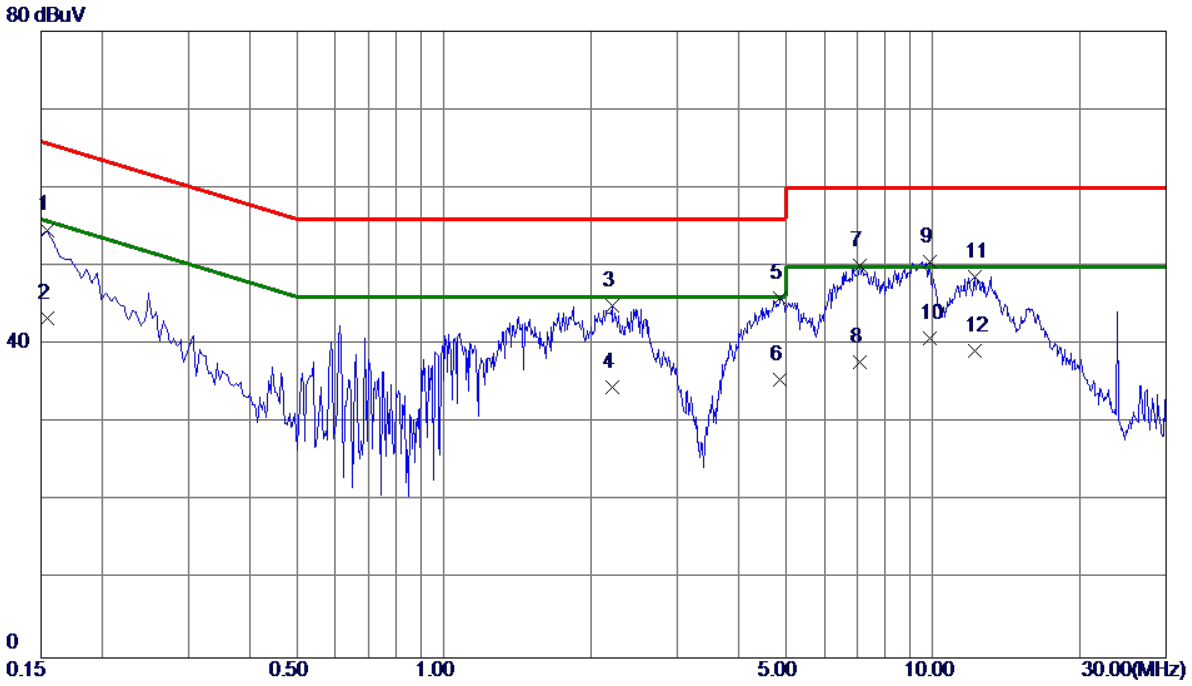
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1905	44.34	9.81	54.15	64.01	-9.86	QP
2	0.1905	35.20	9.81	45.01	54.01	-9.00	AVG
3	1.8195	33.89	9.98	43.87	56.00	-12.13	QP
4	1.8195	23.81	9.98	33.79	46.00	-12.21	AVG
5	2.2605	34.89	10.01	44.90	56.00	-11.10	QP
6	2.2605	24.10	10.01	34.11	46.00	-11.89	AVG
7	4.6770	36.14	10.17	46.31	56.00	-9.69	QP
8	4.6770	26.70	10.17	36.87	46.00	-9.13	AVG
9	7.2150	40.00	10.34	50.34	60.00	-9.66	QP
10	7.2150	29.60	10.34	39.94	50.00	-10.06	AVG
11 *	9.5010	40.65	10.46	51.11	60.00	-8.89	QP
12	9.5010	30.51	10.46	40.97	50.00	-9.03	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Phase	Neutral
Test Mode	DP 2560*1440/144Hz		



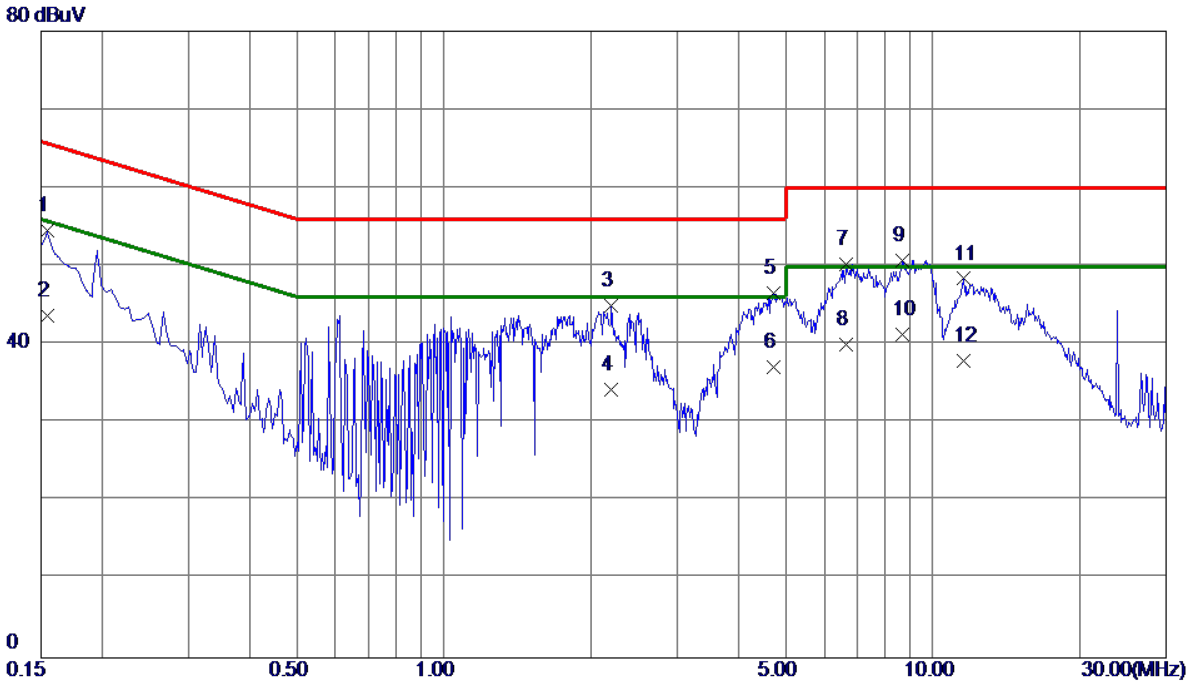
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1905	43.50	9.90	53.40	64.01	-10.61	QP
2	0.1905	33.10	9.90	43.00	54.01	-11.01	AVG
3	2.5305	34.06	10.22	44.28	56.00	-11.72	QP
4	2.5305	24.70	10.22	34.92	46.00	-11.08	AVG
5	5.1000	36.48	10.41	46.89	60.00	-13.11	QP
6	5.1000	26.40	10.41	36.81	50.00	-13.19	AVG
7	6.7695	39.62	10.57	50.19	60.00	-9.81	QP
8	6.7695	29.60	10.57	40.17	50.00	-9.83	AVG
9	9.7800	40.56	10.73	51.29	60.00	-8.71	QP
10 *	9.7800	30.79	10.73	41.52	50.00	-8.48	AVG
11	12.5790	37.52	10.92	48.44	60.00	-11.56	QP
12	12.5790	29.50	10.92	40.42	50.00	-9.58	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Phase	Line
Test Mode	HDMI1 1080P		



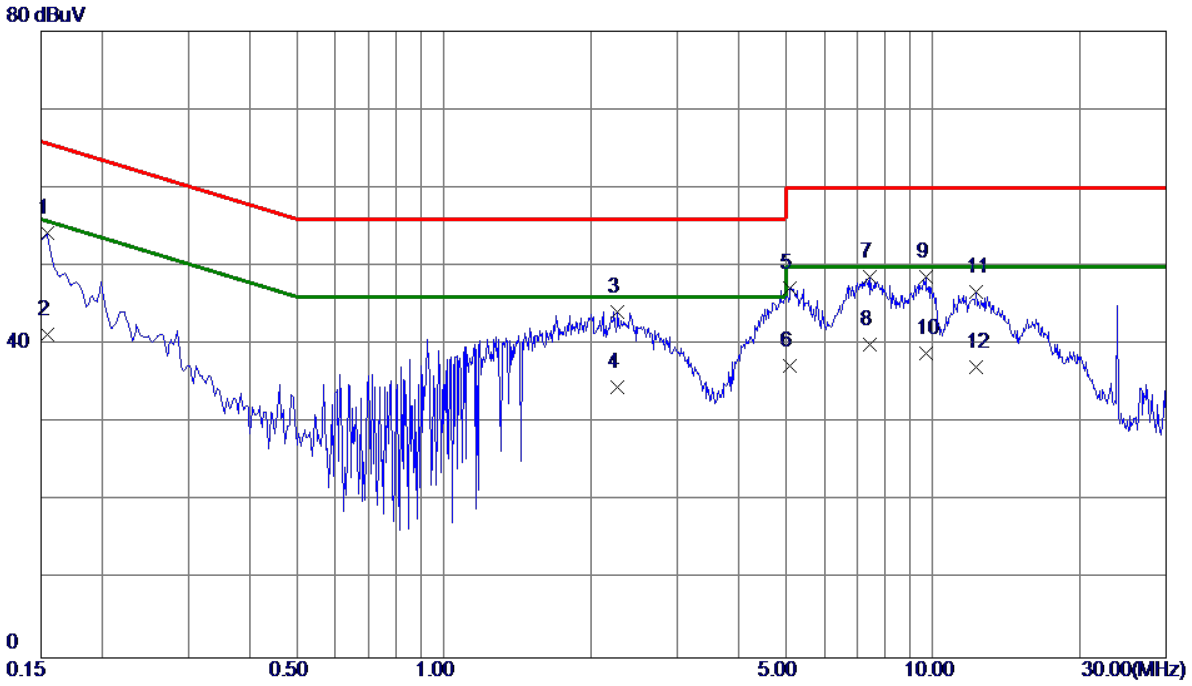
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1545	44.82	9.82	54.64	65.75	-11.11	QP
2	0.1545	33.50	9.82	43.32	55.75	-12.43	AVG
3	2.2065	34.92	10.01	44.93	56.00	-11.07	QP
4	2.2065	24.60	10.01	34.61	46.00	-11.39	AVG
5	4.8795	35.68	10.18	45.86	56.00	-10.14	QP
6	4.8795	25.31	10.18	35.49	46.00	-10.51	AVG
7	7.0755	39.71	10.33	50.04	60.00	-9.96	QP
8	7.0755	27.40	10.33	37.73	50.00	-12.27	AVG
9	9.8610	40.03	10.48	50.51	60.00	-9.49	QP
10 *	9.8610	30.31	10.48	40.79	50.00	-9.21	AVG
11	12.1740	38.07	10.60	48.67	60.00	-11.33	QP
12	12.1740	28.60	10.60	39.20	50.00	-10.80	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	Phase	Neutral
Test Mode	HDMI1 1080P		



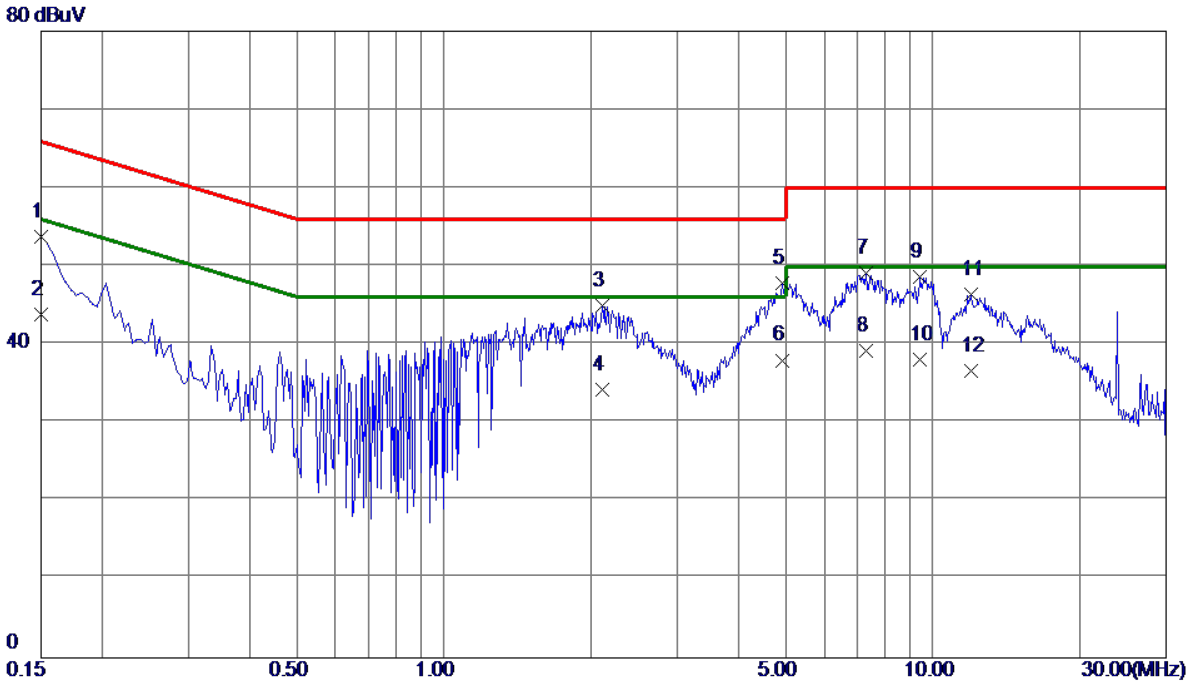
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1545	44.62	9.91	54.53	65.75	-11.22	QP
2	0.1545	33.70	9.91	43.61	55.75	-12.14	AVG
3	2.2020	34.70	10.20	44.90	56.00	-11.10	QP
4	2.2020	24.10	10.20	34.30	46.00	-11.70	AVG
5	4.7220	36.15	10.38	46.53	56.00	-9.47	QP
6	4.7220	26.80	10.38	37.18	46.00	-8.82	AVG
7	6.6660	39.72	10.56	50.28	60.00	-9.72	QP
8	6.6660	29.40	10.56	39.96	50.00	-10.04	AVG
9	8.6459	40.10	10.67	50.77	60.00	-9.23	QP
10 *	8.6459	30.61	10.67	41.28	50.00	-8.72	AVG
11	11.5530	37.55	10.85	48.40	60.00	-11.60	QP
12	11.5530	27.10	10.85	37.95	50.00	-12.05	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 110V/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	0.1545	44.42	9.82	54.24	65.75	-11.51	QP
2	0.1545	31.50	9.82	41.32	55.75	-14.43	AVG
3	2.2650	34.22	10.01	44.23	56.00	-11.77	QP
4	2.2650	24.50	10.01	34.51	46.00	-11.49	AVG
5	5.1135	37.03	10.20	47.23	60.00	-12.77	QP
6	5.1135	27.09	10.20	37.29	50.00	-12.71	AVG
7	7.4490	38.30	10.35	48.65	60.00	-11.35	QP
8 *	7.4490	29.70	10.35	40.05	50.00	-9.95	AVG
9	9.6855	38.24	10.47	48.71	60.00	-11.29	QP
10	9.6855	28.40	10.47	38.87	50.00	-11.13	AVG
11	12.2729	36.10	10.61	46.71	60.00	-13.29	QP
12	12.2729	26.50	10.61	37.11	50.00	-12.89	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 110V/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	43.92	9.91	53.83	66.00	-12.17	QP
2	0.1500	33.90	9.91	43.81	56.00	-12.19	AVG
3	2.1075	34.69	10.20	44.89	56.00	-11.11	QP
4	2.1075	24.10	10.20	34.30	46.00	-11.70	AVG
5	4.9290	37.51	10.39	47.90	56.00	-8.10	QP
6 *	4.9290	27.61	10.39	38.00	46.00	-8.00	AVG
7	7.2915	38.53	10.60	49.13	60.00	-10.87	QP
8	7.2915	28.61	10.60	39.21	50.00	-10.79	AVG
9	9.4245	37.87	10.71	48.58	60.00	-11.42	QP
10	9.4245	27.41	10.71	38.12	50.00	-11.88	AVG
11	11.9670	35.45	10.88	46.33	60.00	-13.67	QP
12	11.9670	25.80	10.88	36.68	50.00	-13.32	AVG

4. EMC EMISSION TEST- EN 55032:2015+AC:2016

4.1 RADIATED EMISSIONS UP TO 1 GHZ

4.1.1 LIMITS

Class B equipment up to 1000MHz

Frequency Range MHz	Measurement			Class B limits dB(μV/m)
	Facility	Distance m	Detector type/ bandwidth	
30 - 230	SAC	10	Quasi peak / 120 kHz	30
230 - 1000				37

Notes:

(1) The limit for radiated test was performed according to as following: EN 55032

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(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

4.1.2 MEASUREMENT INSTRUMENTS LIST

Up to 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	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 no., no serial no. or no calibration specified.
All calibration period of equipment list is one year.

4.1.3 TEST PROCEDURE

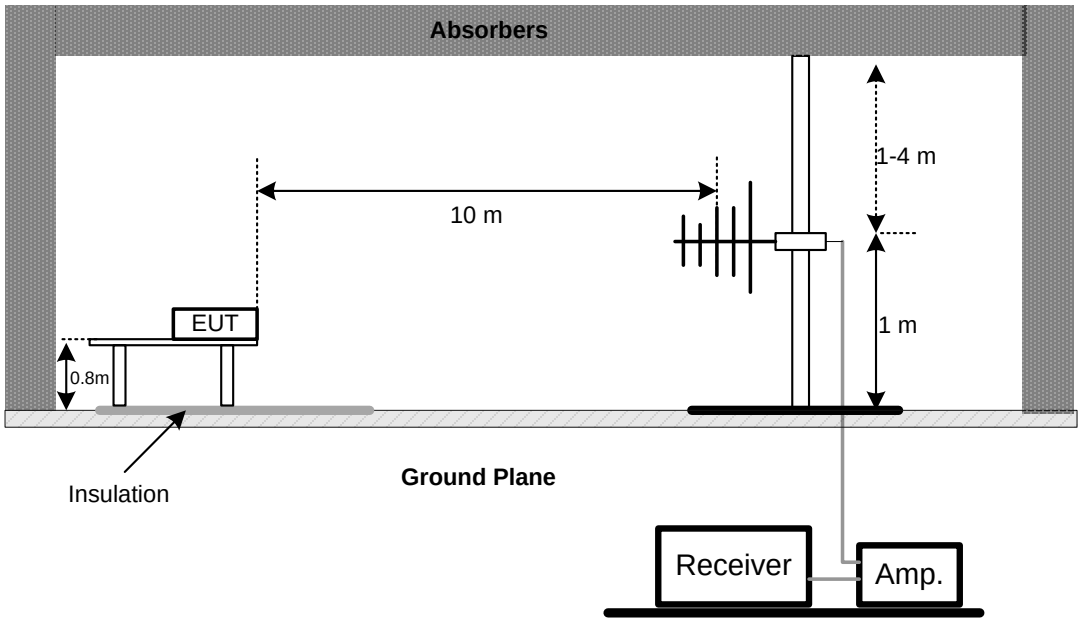
a. The measuring distance of 10 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz).
b. The height of the equipment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

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP

UP TO 1 GHZ



Note: The antenna can be moved between 1 to 4 meters above the ground**.**

4.1.6 MEASUREMENT DISTANCE

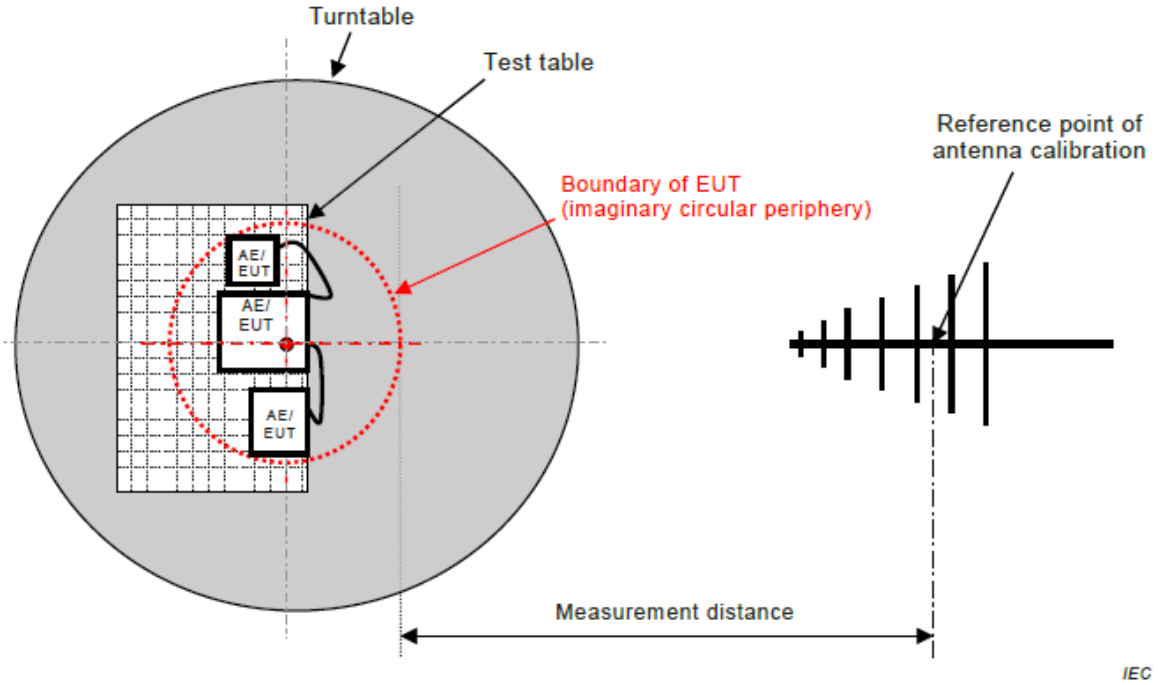


Figure C.1 – Measurement distance

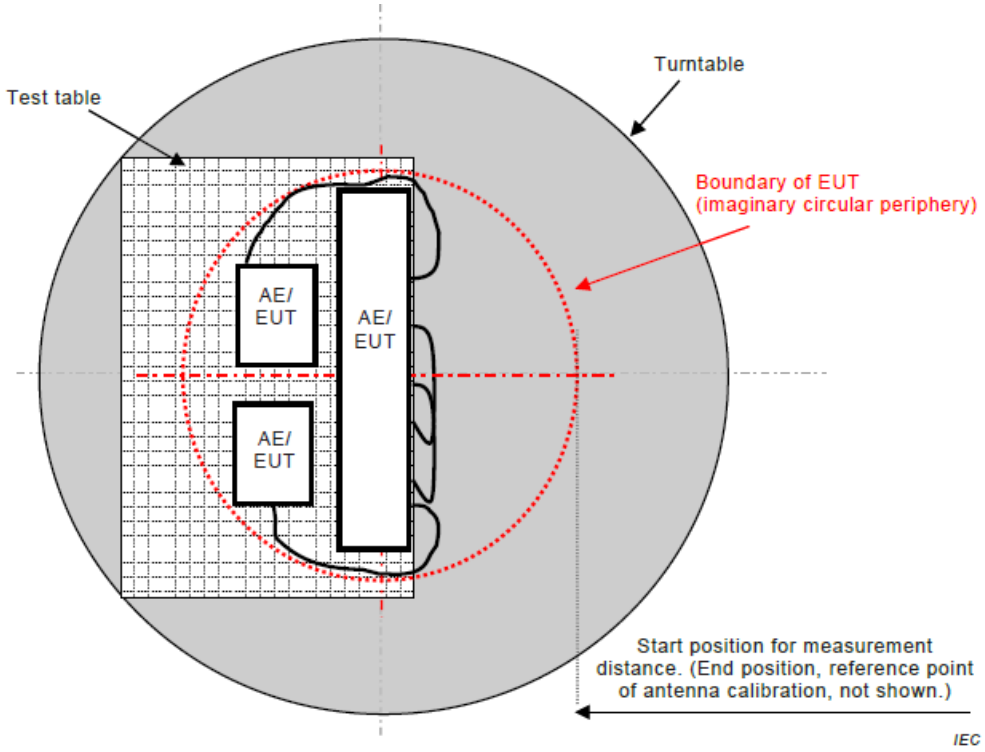
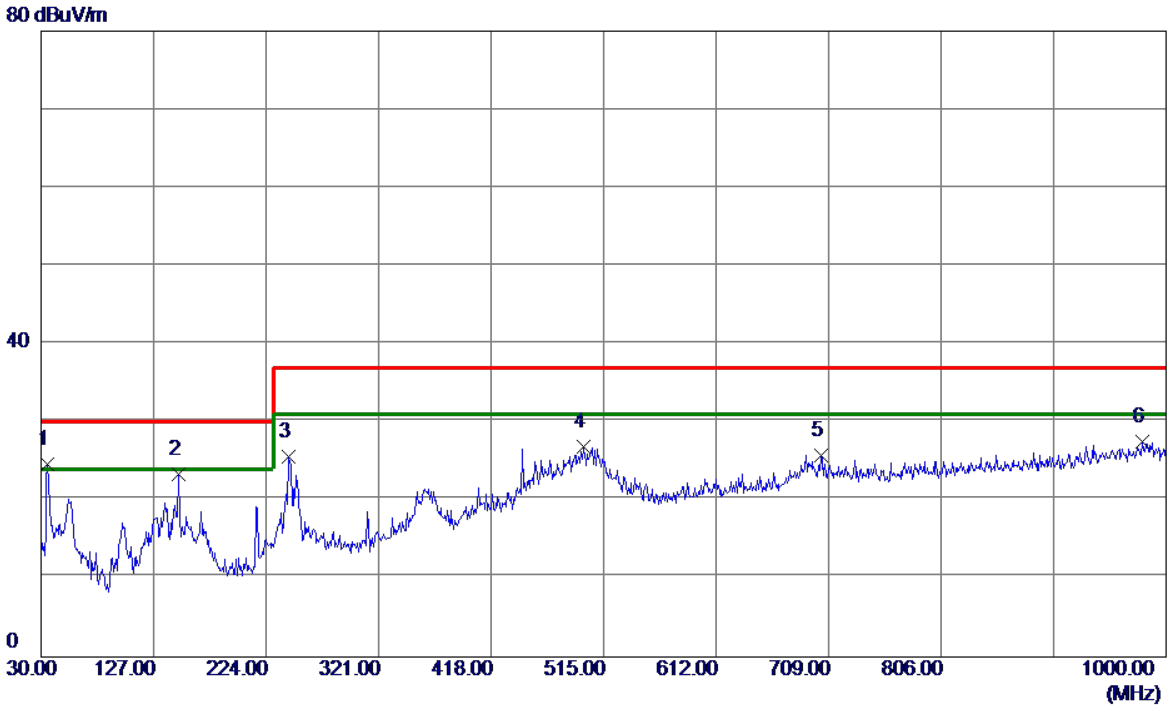


Figure C.2 – Boundary of EUT, Local AE and associated cabling

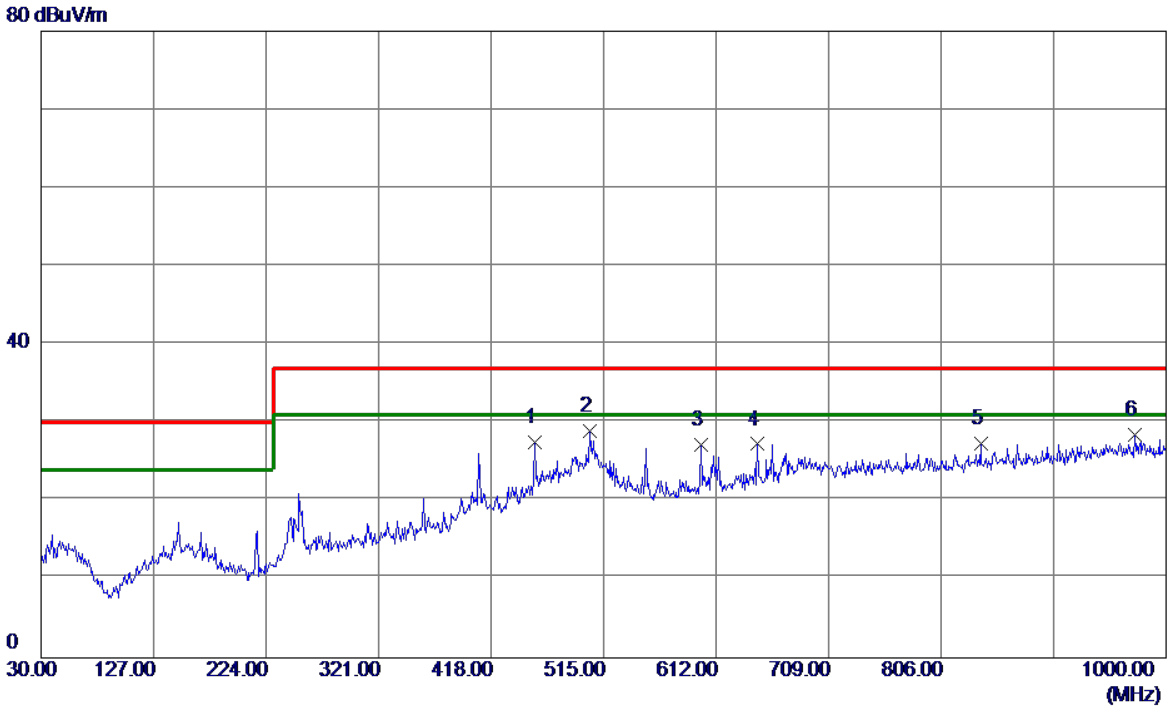
4.1.7 TEST RESULTS (UP TO 1 GHZ)

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



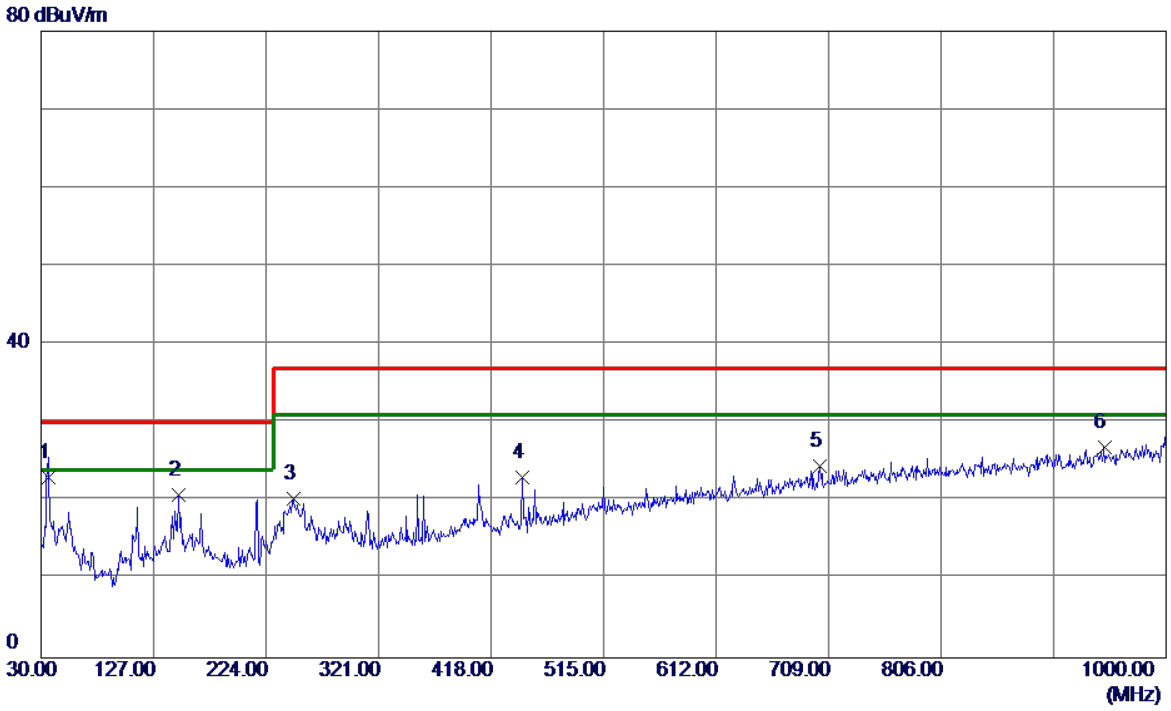
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	35.8200	42.72	-18.04	24.68	30.00	-5.32	QP
2	148.3400	39.33	-16.02	23.31	30.00	-6.69	QP
3	243.4000	42.80	-17.20	25.60	37.00	-11.40	QP
4	497.5400	37.64	-10.73	26.91	37.00	-10.09	QP
5	702.2100	32.85	-7.02	25.83	37.00	-11.17	QP
6	979.6300	30.64	-3.14	27.50	37.00	-9.50	QP

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



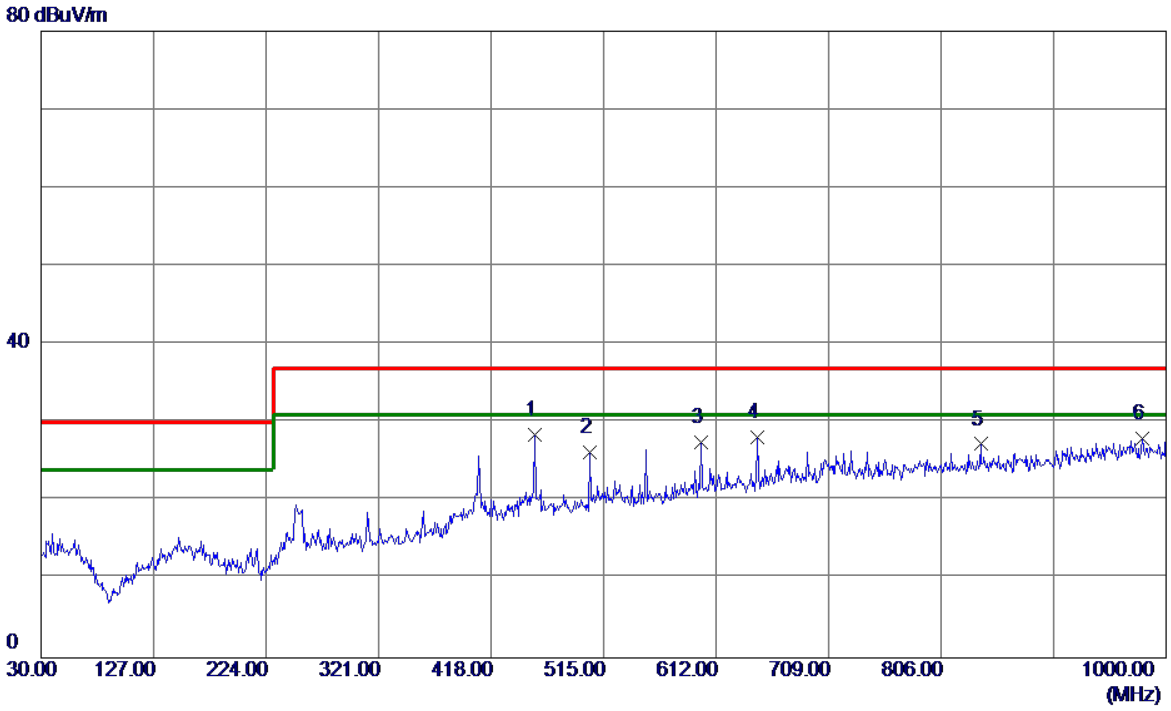
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	455.8300	38.89	-11.30	27.59	37.00	-9.41	QP
2 *	503.3600	39.43	-10.47	28.96	37.00	-8.04	QP
3	599.3900	35.73	-8.46	27.27	37.00	-9.73	QP
4	647.8900	35.16	-7.88	27.28	37.00	-9.72	QP
5	839.9500	32.68	-5.37	27.31	37.00	-9.69	QP
6	972.8400	32.00	-3.53	28.47	37.00	-8.53	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	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 *	36.3050	41.02	-17.98	23.04	30.00	-6.96	QP
2	148.3400	36.80	-16.02	20.78	30.00	-9.22	QP
3	247.2800	37.42	-17.10	20.32	37.00	-16.68	QP
4	445.1600	34.64	-11.66	22.98	37.00	-14.02	QP
5	701.2400	31.53	-7.04	24.49	37.00	-12.51	QP
6	946.6500	30.56	-3.62	26.94	37.00	-10.06	QP

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	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 *	455.8300	39.79	-11.30	28.49	37.00	-8.51	QP
2	503.3600	36.76	-10.47	26.29	37.00	-10.71	QP
3	599.3900	35.99	-8.46	27.53	37.00	-9.47	QP
4	647.8900	36.09	-7.88	28.21	37.00	-8.79	QP
5	839.9500	32.65	-5.37	27.28	37.00	-9.72	QP
6	979.6300	31.46	-3.45	28.01	37.00	-8.99	QP

4.2 RADIATED EMISSIONS ABOVE 1 GHZ

4.2.1 LIMITS

Class B equipment above 1000MHz

Frequency Range MHz	Measurement			Class B limits dB(μV/m)
	Facility	Distance m	Detector type/bandwidth	
1000 - 3000	FSOATS	3	Average / 1 MHz	50
3000 - 6000				54
1000 - 3000			Peak / 1 MHz	70
3000 - 6000				74

Notes:

(1) The limit for radiated test was performed according to as following: EN 55032

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(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

Required highest frequency for radiated measurement

Highest internal frequency (F_x) MHz	Highest measured frequency MHz
$F_x \leqq 108$	1000
$108 < F_x \leqq 500$	2000
$500 < F_x \leqq 1000$	5000
$F_x > 1000$	5^{th} up to a maximum 6 GHz,

Note for FM and TV broadcast receiver, F_x is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies.

Above 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	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 no., no serial no. or no calibration specified.
All calibration period of equipment list is one year.

4.2.2 TEST PROCEDURE

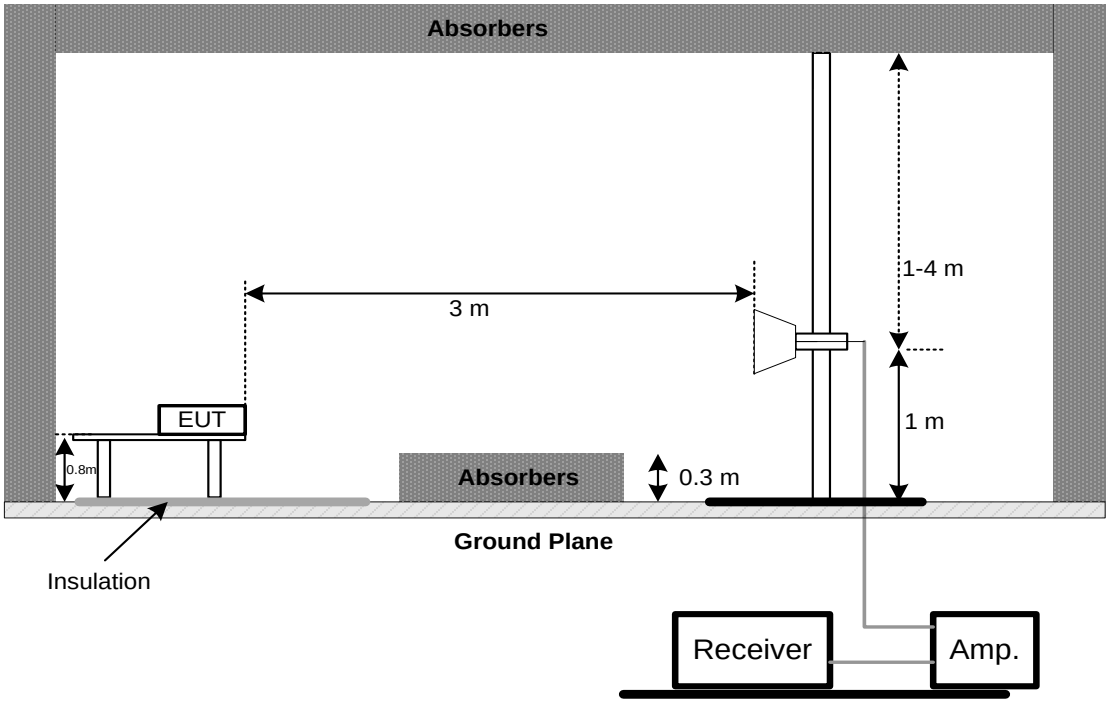
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The height of the equipment or of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

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

4.2.4 TEST SETUP

ABOVE 1 GHZ



4.2.5 MEASUREMENT DISTANCE

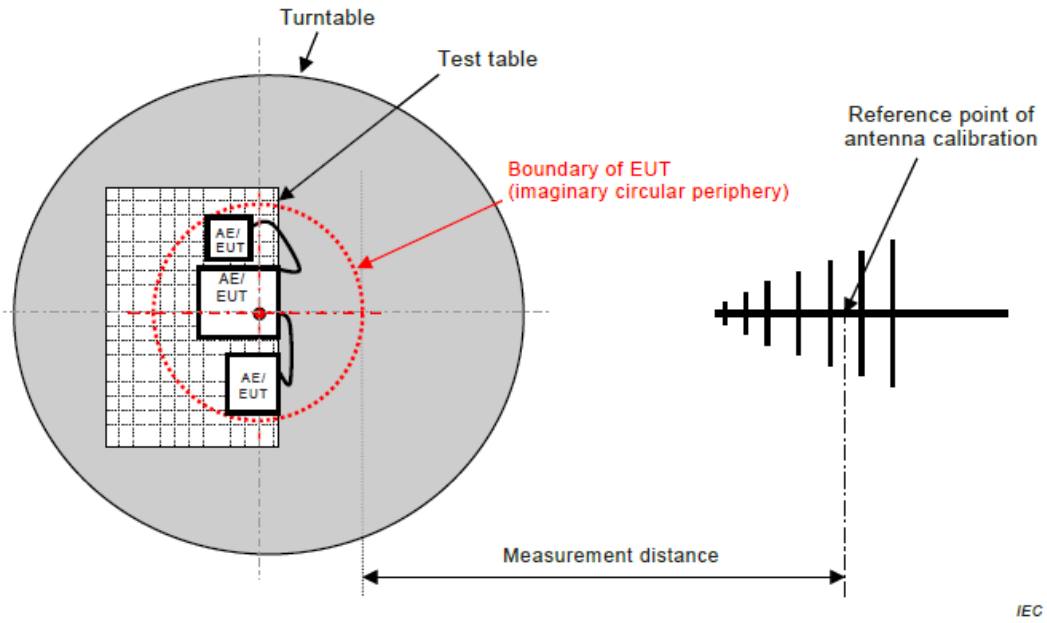


Figure C.1 – Measurement distance

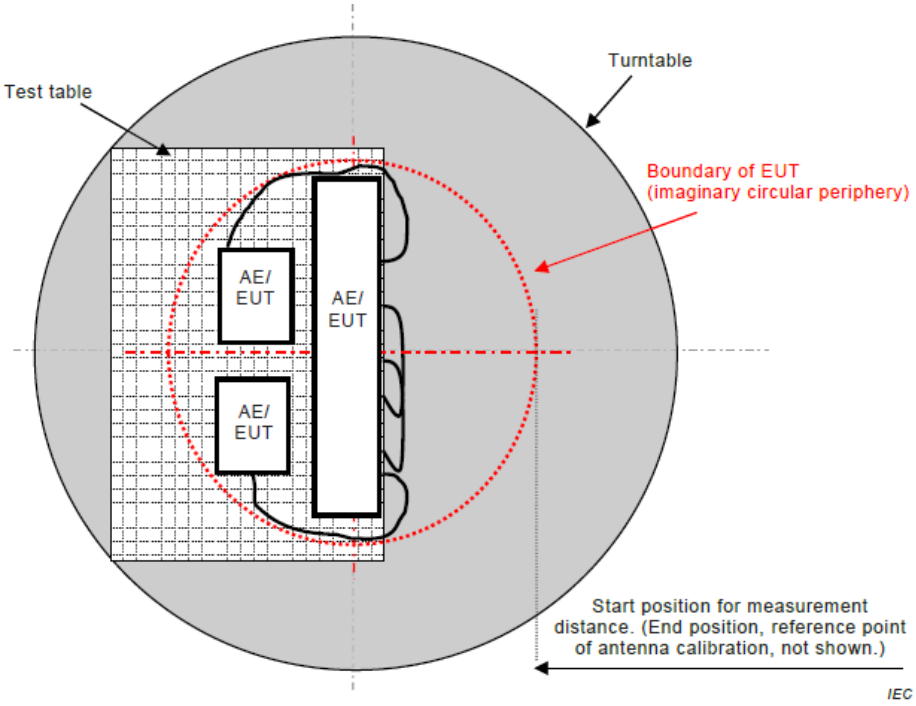
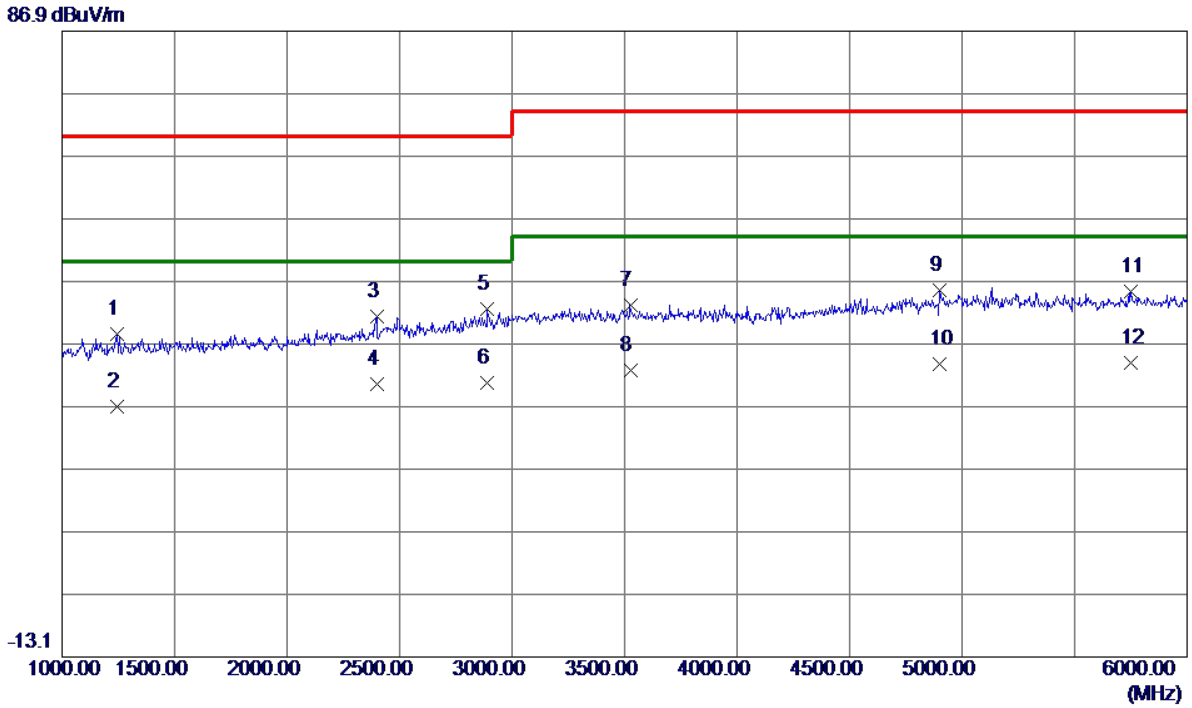


Figure C.2 – Boundary of EUT, Local AE and associated cabling

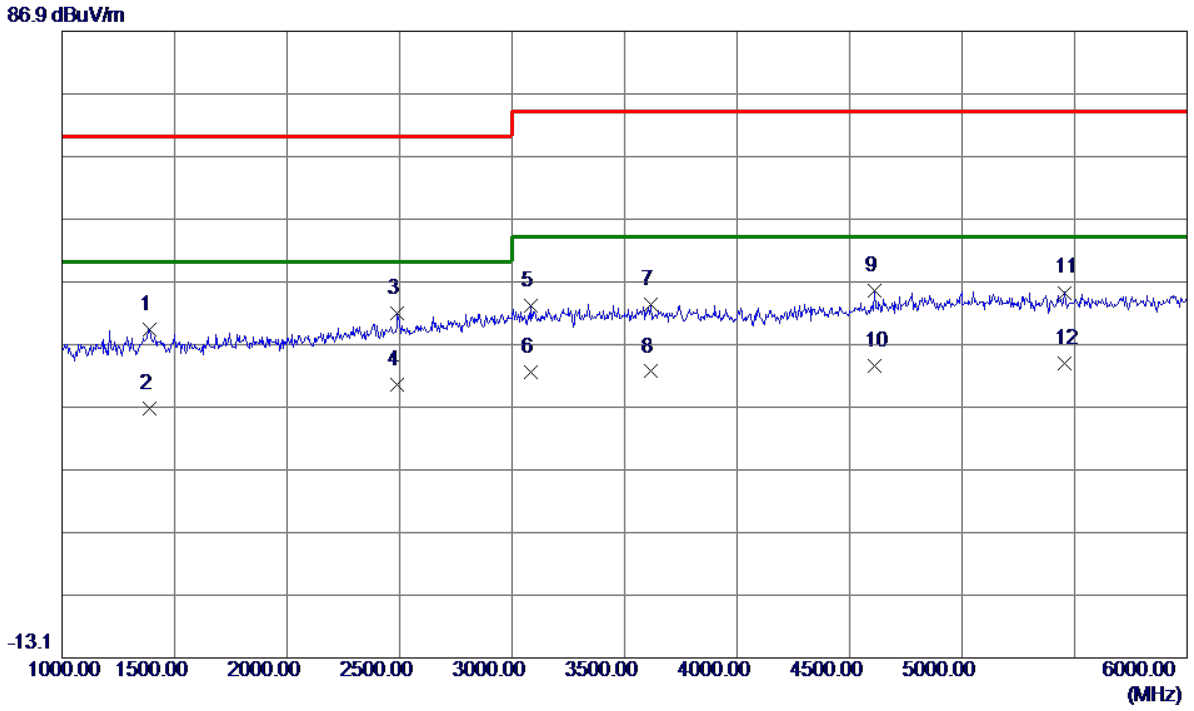
4.2.6 TEST RESULTS (ABOVE 1 GHZ)

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Vertical
Test Mode	HDMI1 1920*1080/165Hz		



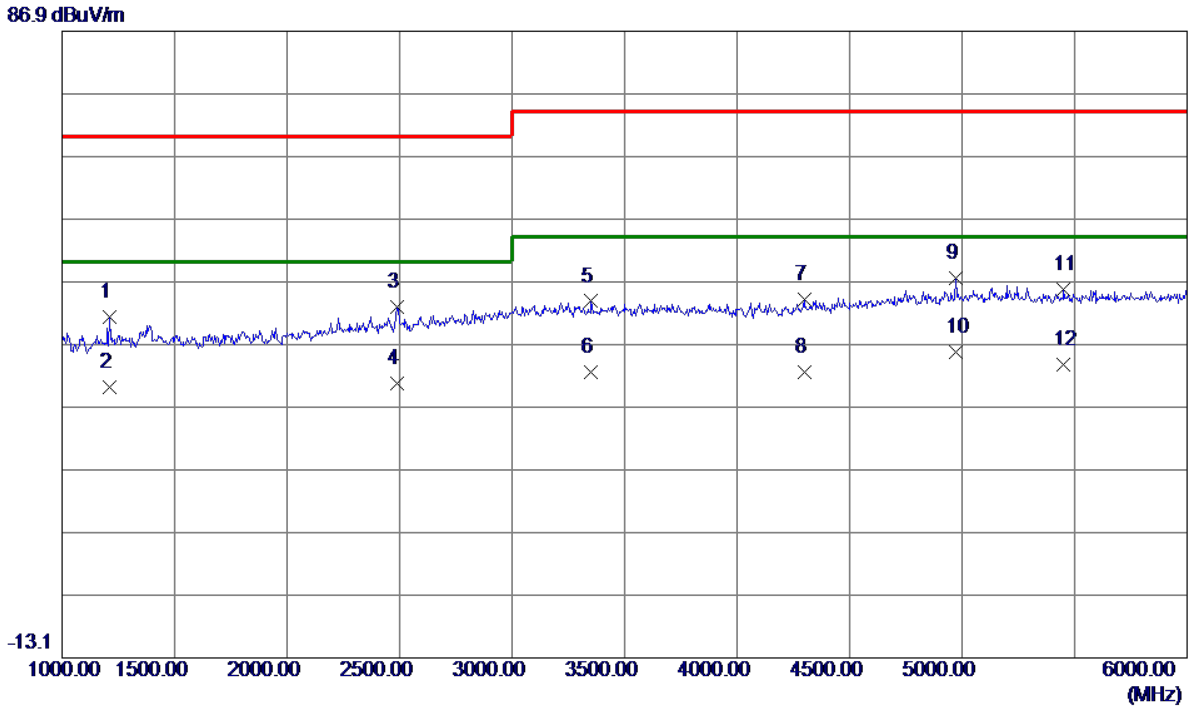
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1242.5000	43.34	-4.92	38.42	70.00	-31.58	Peak
2	1242.5000	31.77	-4.92	26.85	50.00	-23.15	AVG
3	2397.5000	41.17	0.05	41.22	70.00	-28.78	Peak
4	2397.5000	30.38	0.05	30.43	50.00	-19.57	AVG
5	2890.0000	39.91	2.50	42.41	70.00	-27.59	Peak
6 *	2890.0000	28.25	2.50	30.75	50.00	-19.25	AVG
7	3525.0000	39.03	4.15	43.18	74.00	-30.82	Peak
8	3525.0000	28.46	4.15	32.61	54.00	-21.39	AVG
9	4900.0000	37.94	7.62	45.56	74.00	-28.44	Peak
10	4900.0000	26.10	7.62	33.72	54.00	-20.28	AVG
11	5752.5000	36.62	8.67	45.29	74.00	-28.71	Peak
12	5752.5000	25.26	8.67	33.93	54.00	-20.07	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Polarization	Horizontal
Test Mode	HDMI1 1920*1080/165Hz		



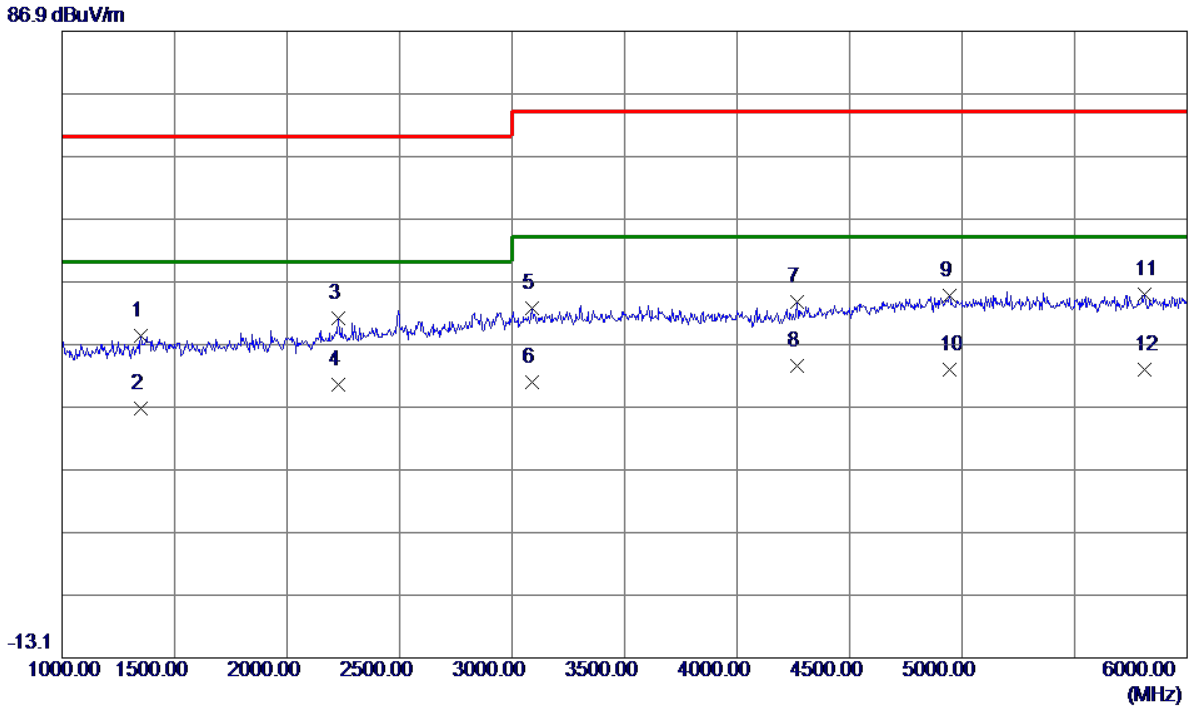
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1390.0000	43.44	-4.10	39.34	70.00	-30.66	Peak
2	1390.0000	30.77	-4.10	26.67	50.00	-23.33	AVG
3	2490.0000	41.51	0.47	41.98	70.00	-28.02	Peak
4 *	2490.0000	29.98	0.47	30.45	50.00	-19.55	AVG
5	3082.5000	39.87	3.23	43.10	74.00	-30.90	Peak
6	3082.5000	29.30	3.23	32.53	54.00	-21.47	AVG
7	3617.5000	39.00	4.31	43.31	74.00	-30.69	Peak
8	3617.5000	28.29	4.31	32.60	54.00	-21.40	AVG
9	4612.5000	38.90	6.63	45.53	74.00	-28.47	Peak
10	4612.5000	26.78	6.63	33.41	54.00	-20.59	AVG
11	5457.5000	36.79	8.41	45.20	74.00	-28.80	Peak
12	5457.5000	25.51	8.41	33.92	54.00	-20.08	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	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	1212.5000	46.33	-5.09	41.24	70.00	-28.76	Peak
2	1212.5000	35.22	-5.09	30.13	50.00	-19.87	AVG
3	2487.5000	42.51	0.46	42.97	70.00	-27.03	Peak
4	2487.5000	30.28	0.46	30.74	50.00	-19.26	AVG
5	3350.0000	40.01	3.79	43.80	74.00	-30.20	Peak
6	3350.0000	28.73	3.79	32.52	54.00	-21.48	AVG
7	4297.5000	38.33	5.72	44.05	74.00	-29.95	Peak
8	4297.5000	26.86	5.72	32.58	54.00	-21.42	AVG
9	4970.0000	39.72	7.87	47.59	74.00	-26.41	Peak
10 *	4970.0000	27.76	7.87	35.63	54.00	-18.37	AVG
11	5452.5000	37.27	8.40	45.67	74.00	-28.33	Peak
12	5452.5000	25.32	8.40	33.72	54.00	-20.28	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	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	1352.5000	42.59	-4.31	38.28	70.00	-31.72	Peak
2	1352.5000	31.06	-4.31	26.75	50.00	-23.25	AVG
3	2227.5000	41.81	-0.72	41.09	70.00	-28.91	Peak
4 *	2227.5000	31.21	-0.72	30.49	50.00	-19.51	AVG
5	3087.5000	39.53	3.24	42.77	74.00	-31.23	Peak
6	3087.5000	27.59	3.24	30.83	54.00	-23.17	AVG
7	4265.0000	38.08	5.64	43.72	74.00	-30.28	Peak
8	4265.0000	27.88	5.64	33.52	54.00	-20.48	AVG
9	4942.5000	36.93	7.77	44.70	74.00	-29.30	Peak
10	4942.5000	25.06	7.77	32.83	54.00	-21.17	AVG
11	5810.0000	36.13	8.72	44.85	74.00	-29.15	Peak
12	5810.0000	24.19	8.72	32.91	54.00	-21.09	AVG

4.3 CONDUCTED EMISSION MEASUREMENT AT AC MAINS POWER PORTS

4.3.1 LIMITS

Requirements for conducted emissions from AC mains power ports of Class B equipment

Frequency Range MHz	Coupling Device	Detector Type / bandwidth	Class B Limits (dB(μV))
0.15 - 0.5	AMN	Quasi Peak / 9 kHz	66-56
0.5 - 5			56
5 - 30			60
0.15 - 0.5	AMN	Average / 9 kHz	56-46
0.5 - 5			46
5 - 30			50

NOTE:

(1) 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

4.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	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.

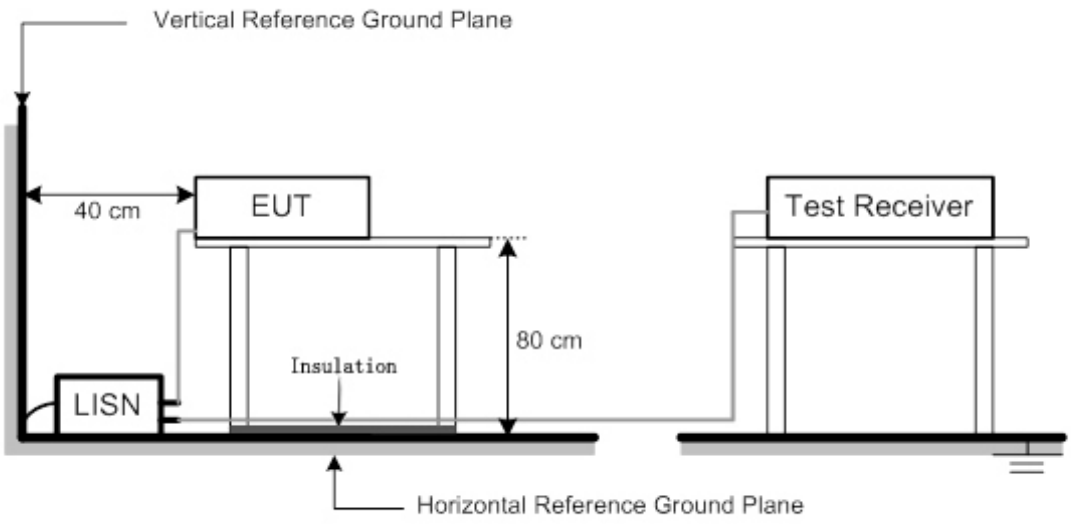
4.3.3 TEST PROCEDURE

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.

4.3.4 DEVIATION FROM TEST STANDARD

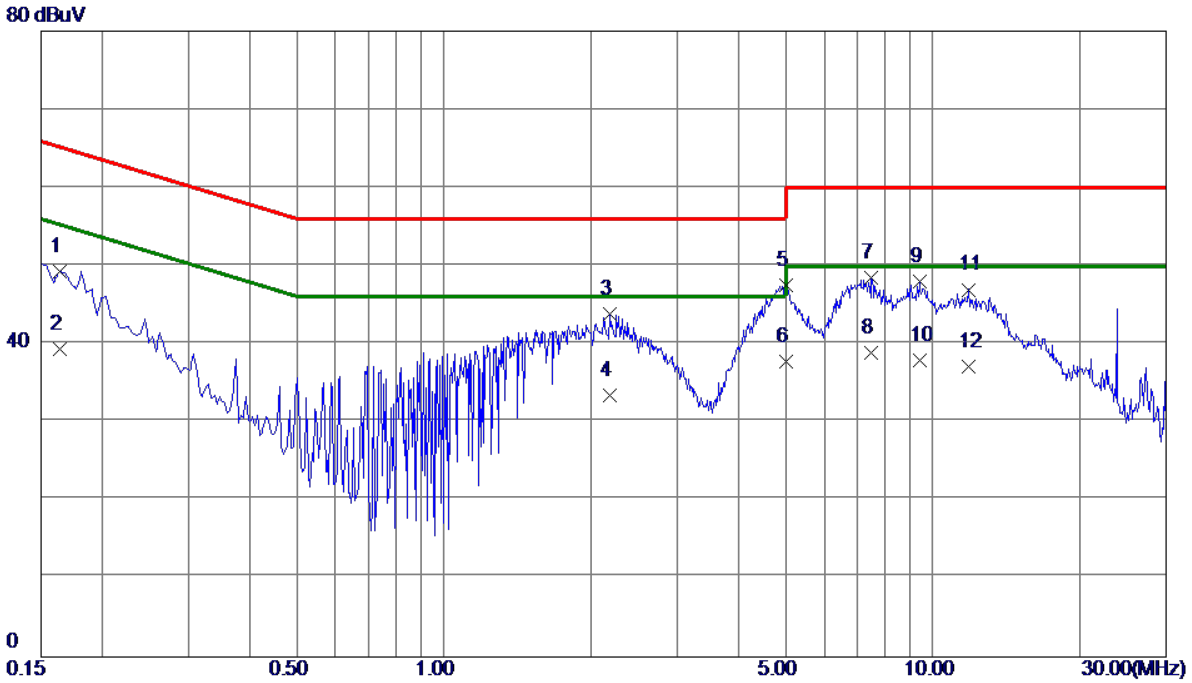
No deviation

4.3.5 TEST SETUP



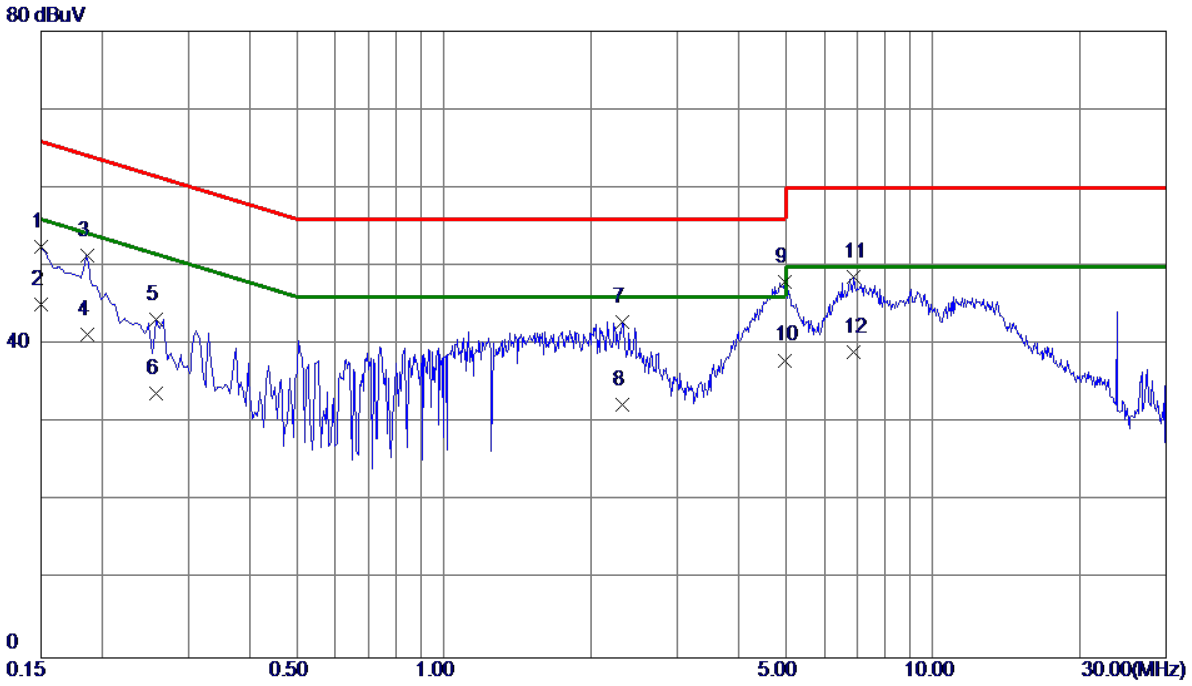
4.3.6 TEST RESULTS

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Line
Test Mode	HDMI1 1920*1080/165Hz		



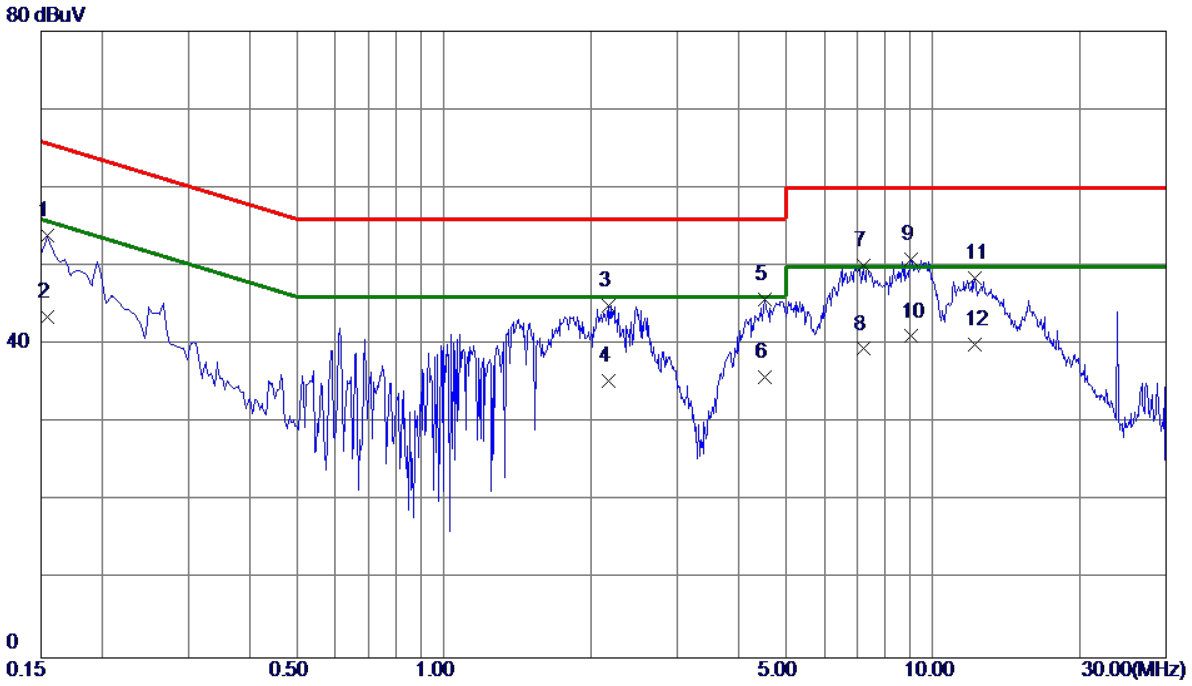
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1641	39.42	9.82	49.24	65.25	-16.01	QP
2	0.1641	29.50	9.82	39.32	55.25	-15.93	AVG
3	2.1885	33.77	10.01	43.78	56.00	-12.22	QP
4	2.1885	23.40	10.01	33.41	46.00	-12.59	AVG
5	5.0190	37.38	10.19	47.57	60.00	-12.43	QP
6	5.0190	27.50	10.19	37.69	50.00	-12.31	AVG
7	7.4985	38.09	10.36	48.45	60.00	-11.55	QP
8 *	7.4985	28.59	10.36	38.95	50.00	-11.05	AVG
9	9.3885	37.48	10.46	47.94	60.00	-12.06	QP
10	9.3885	27.39	10.46	37.85	50.00	-12.15	AVG
11	11.8500	36.37	10.59	46.96	60.00	-13.04	QP
12	11.8500	26.50	10.59	37.09	50.00	-12.91	AVG

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz	Phase	Neutral
Test Mode	HDMI1 1920*1080/165Hz		



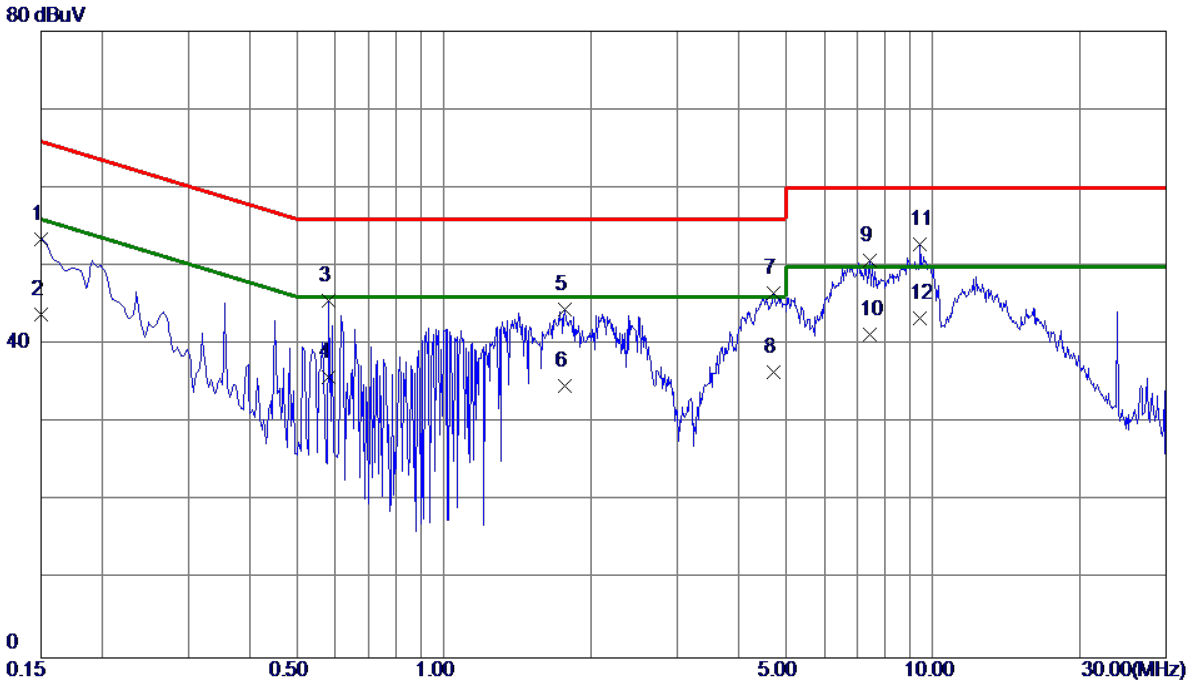
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	42.52	9.91	52.43	66.00	-13.57	QP
2	0.1500	35.20	9.91	45.11	56.00	-10.89	AVG
3	0.1860	41.42	9.90	51.32	64.21	-12.89	QP
4	0.1860	31.40	9.90	41.30	54.21	-12.91	AVG
5	0.2580	33.26	9.93	43.19	61.50	-18.31	QP
6	0.2580	23.90	9.93	33.83	51.50	-17.67	AVG
7	2.3145	32.72	10.21	42.93	56.00	-13.07	QP
8	2.3145	22.10	10.21	32.31	46.00	-13.69	AVG
9 *	4.9875	37.61	10.40	48.01	56.00	-7.99	QP
10	4.9875	27.60	10.40	38.00	46.00	-8.00	AVG
11	6.8865	38.02	10.58	48.60	60.00	-11.40	QP
12	6.8865	28.49	10.58	39.07	50.00	-10.93	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	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	0.1545	44.15	9.82	53.97	65.75	-11.78	QP
2	0.1545	33.70	9.82	43.52	55.75	-12.23	AVG
3	2.1660	35.01	10.01	45.02	56.00	-10.98	QP
4	2.1660	25.30	10.01	35.31	46.00	-10.69	AVG
5	4.5420	35.65	10.16	45.81	56.00	-10.19	QP
6	4.5420	25.70	10.16	35.86	46.00	-10.14	AVG
7	7.2105	39.77	10.34	50.11	60.00	-9.89	QP
8	7.2105	29.10	10.34	39.44	50.00	-10.56	AVG
9	9.0239	40.48	10.44	50.92	60.00	-9.08	QP
10 *	9.0239	30.60	10.44	41.04	50.00	-8.96	AVG
11	12.1605	37.88	10.60	48.48	60.00	-11.52	QP
12	12.1605	29.40	10.60	40.00	50.00	-10.00	AVG

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz	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	43.60	9.91	53.51	66.00	-12.49	QP
2	0.1500	33.90	9.91	43.81	66.00	-22.19	QP
3	0.5820	35.55	10.04	45.59	56.00	-10.41	QP
4	0.5820	25.80	10.04	35.84	46.00	-10.16	AVG
5	1.7655	34.31	10.17	44.48	56.00	-11.52	QP
6	1.7655	24.50	10.17	34.67	46.00	-11.33	AVG
7	4.7310	36.12	10.38	46.50	56.00	-9.50	QP
8	4.7310	26.10	10.38	36.48	46.00	-9.52	AVG
9	7.4130	40.07	10.61	50.68	60.00	-9.32	QP
10	7.4130	30.70	10.61	41.31	50.00	-8.69	AVG
11	9.4110	42.16	10.71	52.87	60.00	-7.13	QP
12 *	9.4110	32.61	10.71	43.32	50.00	-6.68	AVG

5. HARMONIC AND FLICKER TEST

5.1 HARMONIC CURRENT EMISSIONS

5.1.1 LIMITS

The power consumption is less than 75W, there is no limit applied.

5.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	Harmonics and Flicker Analyzer	California Instruments	PACS-1	72344	Aug. 03, 2020
2	3KVA AC Power source	California Instruments	3001ix	56309	Aug. 03, 2020
3	Measurement Software	California	CTS4.0 Version 4.21	N/A	N/A

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

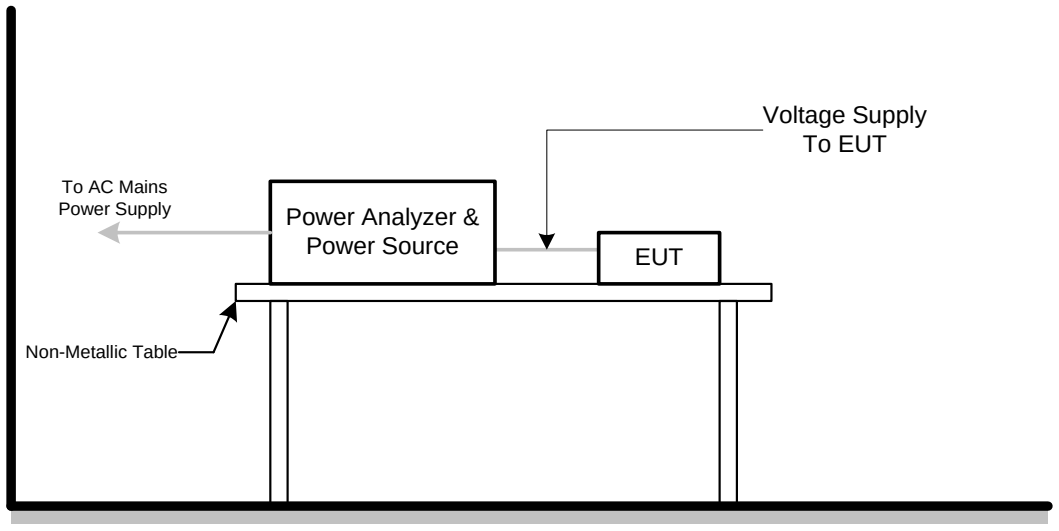
5.1.3 TEST PROCEDURE

a. The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the maximum harmonic components under normal operating conditions.
b. The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen. The measure time shall be not less than the time necessary for the EUT to be exercised.

5.1.4 DEVIATION FROM TEST STANDARD

No deviation

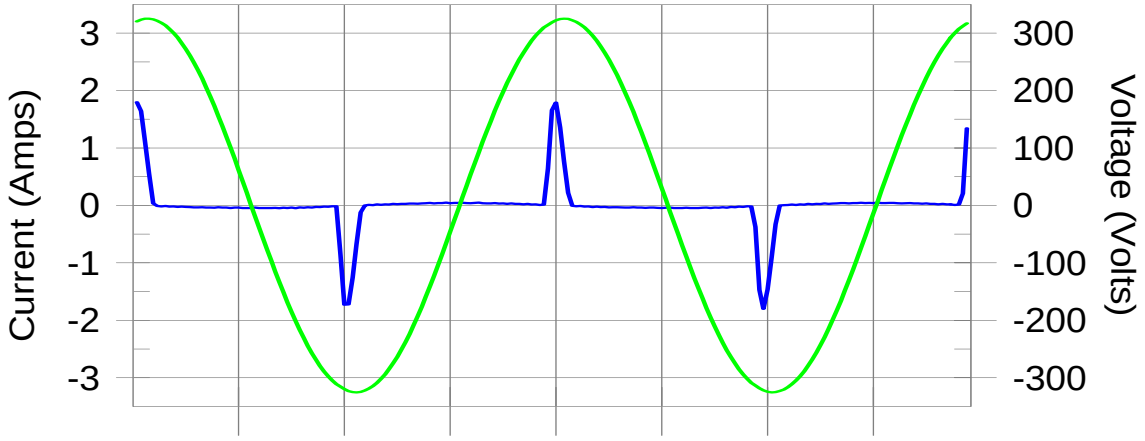
5.1.5 TEST SETUP



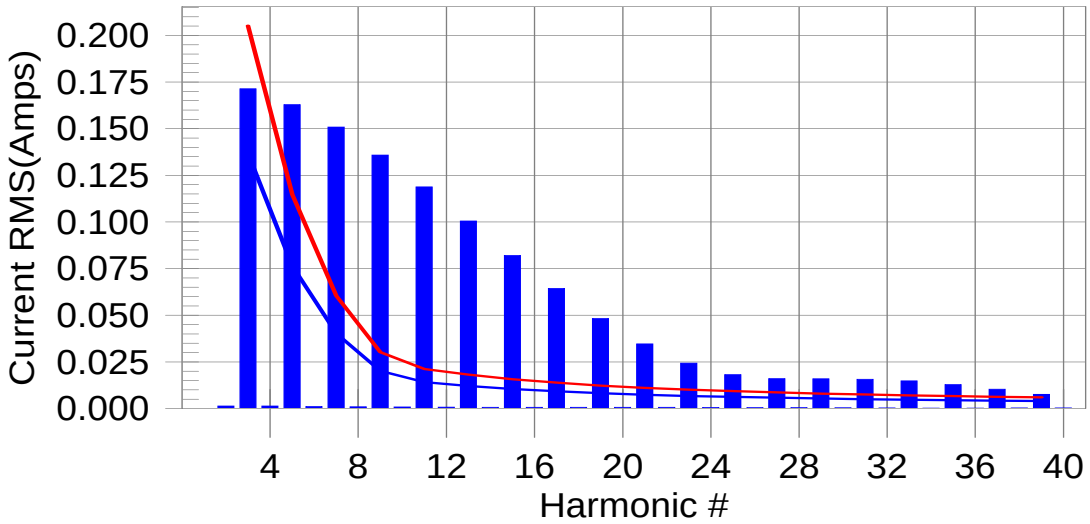
5.1.6 TEST RESULTS

Harmonic - Class D			
EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 1920*1080/165Hz		

Current & voltage waveforms



Harmonics and Class D limit line European Limits



Test result: N/L Worst harmonics H0-0.0% of 150% limit, H0-0% of 100% limit

Current Test Result Summary (Run time)			
EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 1920*1080/165Hz		

Highest parameter values during test:

V_RMS (Volts): 230.03 Frequency(Hz): 50.00
I_Peak (Amps): 1.842 I_RMS (Amps): 0.415
I_Fund (Amps): 0.182 Crest Factor: 4.450
Power (Watts): 40.2 Power Factor: 0.424

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	0.000	N/A	0.002	0.000	N/A	N/L
3	0.171	0.137	N/A	0.173	0.205	N/A	N/L
4	0.001	0.000	N/A	0.002	0.000	N/A	N/L
5	0.163	0.076	N/A	0.163	0.115	N/A	N/L
6	0.001	0.000	N/A	0.001	0.000	N/A	N/L
7	0.151	0.040	N/A	0.151	0.060	N/A	N/L
8	0.001	0.000	N/A	0.001	0.000	N/A	N/L
9	0.136	0.020	N/A	0.136	0.030	N/A	N/L
10	0.001	0.000	N/A	0.001	0.000	N/A	N/L
11	0.119	0.014	N/A	0.120	0.021	N/A	N/L
12	0.001	0.000	N/A	0.001	0.000	N/A	N/L
13	0.101	0.012	N/A	0.102	0.018	N/A	N/L
14	0.001	0.000	N/A	0.001	0.000	N/A	N/L
15	0.082	0.010	N/A	0.084	0.016	N/A	N/L
16	0.001	0.000	N/A	0.001	0.000	N/A	N/L
17	0.064	0.009	N/A	0.067	0.014	N/A	N/L
18	0.001	0.000	N/A	0.001	0.000	N/A	N/L
19	0.048	0.008	N/A	0.051	0.012	N/A	N/L
20	0.001	0.000	N/A	0.001	0.000	N/A	N/L
21	0.035	0.007	N/A	0.037	0.011	N/A	N/L
22	0.001	0.000	N/A	0.001	0.000	N/A	N/L
23	0.024	0.007	N/A	0.026	0.010	N/A	N/L
24	0.001	0.000	N/A	0.001	0.000	N/A	N/L
25	0.018	0.006	N/A	0.019	0.009	N/A	N/L
26	0.001	0.000	N/A	0.001	0.000	N/A	N/L
27	0.016	0.006	N/A	0.016	0.009	N/A	N/L
28	0.001	0.000	N/A	0.001	0.000	N/A	N/L
29	0.016	0.005	N/A	0.016	0.008	N/A	N/L
30	0.000	0.000	N/A	0.001	0.000	N/A	N/L
31	0.016	0.005	N/A	0.016	0.007	N/A	N/L
32	0.000	0.000	N/A	0.000	0.000	N/A	N/L
33	0.015	0.005	N/A	0.015	0.007	N/A	N/L
34	0.000	0.000	N/A	0.000	0.000	N/A	N/L
35	0.013	0.004	N/A	0.013	0.007	N/A	N/L
36	0.000	0.000	N/A	0.000	0.000	N/A	N/L
37	0.010	0.004	N/A	0.011	0.006	N/A	N/L
38	0.000	0.000	N/A	0.000	0.000	N/A	N/L
39	0.008	0.004	N/A	0.008	0.006	N/A	N/L
40	0.000	0.000	N/A	0.000	0.000	N/A	N/L

Note: The EUT power level is below 75.0 Watts and therefore has no defined limits

Voltage Source Verification Data (Run time)			
EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 1920*1080/165Hz		

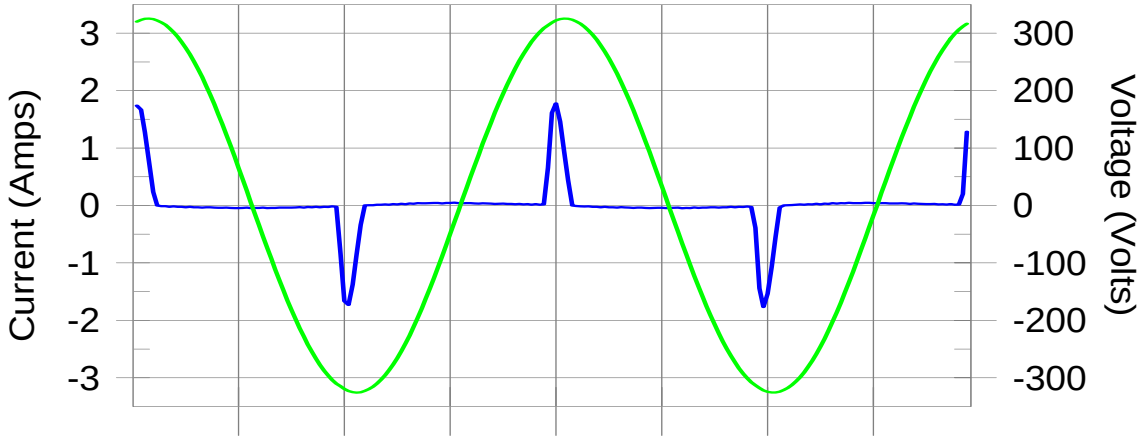
Highest parameter values during test:

Voltage (Vrms):	230.03	Frequency(Hz):	50.00
I_Peak (Amps):	1.842	I_RMS (Amps):	0.415
I_Fund (Amps):	0.182	Crest Factor:	4.450
Power (Watts):	40.2	Power Factor:	0.424

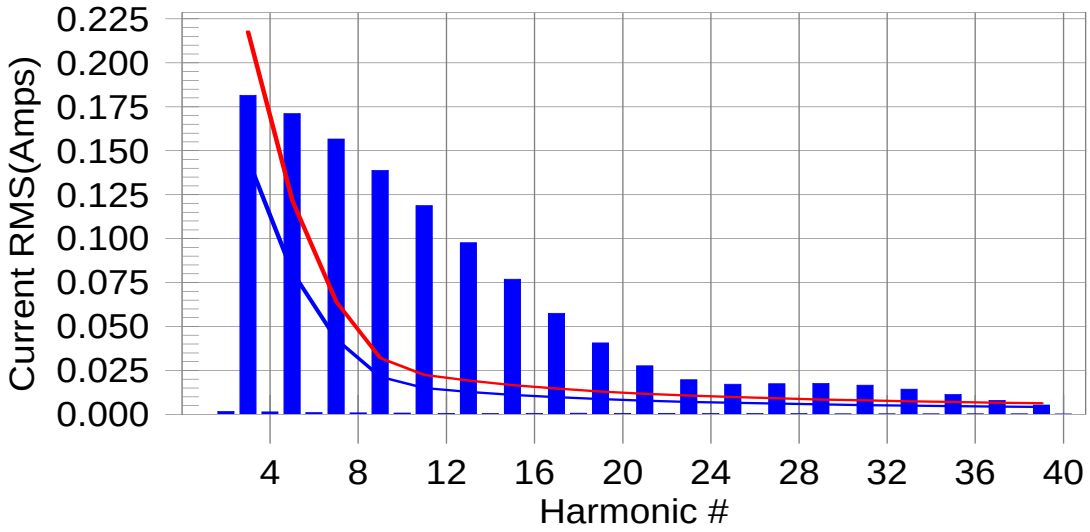
Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.137	0.460	29.69	OK
3	0.549	2.070	26.52	OK
4	0.064	0.460	13.84	OK
5	0.040	0.920	4.35	OK
6	0.027	0.460	5.80	OK
7	0.081	0.690	11.69	OK
8	0.019	0.460	4.19	OK
9	0.059	0.460	12.77	OK
10	0.030	0.460	6.56	OK
11	0.076	0.230	32.93	OK
12	0.016	0.230	6.77	OK
13	0.057	0.230	24.86	OK
14	0.013	0.230	5.44	OK
15	0.066	0.230	28.78	OK
16	0.023	0.230	9.82	OK
17	0.048	0.230	20.90	OK
18	0.016	0.230	6.91	OK
19	0.048	0.230	20.87	OK
20	0.021	0.230	9.08	OK
21	0.030	0.230	13.12	OK
22	0.013	0.230	5.58	OK
23	0.027	0.230	11.91	OK
24	0.006	0.230	2.60	OK
25	0.022	0.230	9.73	OK
26	0.008	0.230	3.32	OK
27	0.017	0.230	7.47	OK
28	0.008	0.230	3.46	OK
29	0.025	0.230	10.73	OK
30	0.005	0.230	2.26	OK
31	0.020	0.230	8.62	OK
32	0.006	0.230	2.42	OK
33	0.025	0.230	11.01	OK
34	0.003	0.230	1.10	OK
35	0.021	0.230	9.15	OK
36	0.003	0.230	1.22	OK
37	0.017	0.230	7.29	OK
38	0.002	0.230	1.01	OK
39	0.014	0.230	6.01	OK
40	0.006	0.230	2.82	OK

Harmonic - Class D			
EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 2560*1440/144Hz		

Current & voltage waveforms



Harmonics and Class D limit line European Limits



Test result: N/L Worst harmonics H0-0.0% of 150% limit, H0-0% of 100% limit

Current Test Result Summary (Run time)			
EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 2560*1440/144Hz		

Highest parameter values during test:

V_RMS (Volts): 230.03 Frequency(Hz): 50.00
I_Peak (Amps): 1.804 I_RMS (Amps): 0.426
I_Fund (Amps): 0.193 Crest Factor: 4.249
Power (Watts): 42.7 Power Factor: 0.439

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.002	0.000	N/A	0.002	0.000	N/A	N/L
3	0.182	0.145	N/A	0.183	0.218	N/A	N/L
4	0.001	0.000	N/A	0.002	0.000	N/A	N/L
5	0.171	0.081	N/A	0.172	0.122	N/A	N/L
6	0.001	0.000	N/A	0.001	0.000	N/A	N/L
7	0.157	0.043	N/A	0.157	0.064	N/A	N/L
8	0.001	0.000	N/A	0.001	0.000	N/A	N/L
9	0.139	0.021	N/A	0.139	0.032	N/A	N/L
10	0.001	0.000	N/A	0.001	0.000	N/A	N/L
11	0.119	0.015	N/A	0.119	0.022	N/A	N/L
12	0.001	0.000	N/A	0.001	0.000	N/A	N/L
13	0.098	0.013	N/A	0.098	0.019	N/A	N/L
14	0.001	0.000	N/A	0.001	0.000	N/A	N/L
15	0.077	0.011	N/A	0.078	0.017	N/A	N/L
16	0.001	0.000	N/A	0.001	0.000	N/A	N/L
17	0.058	0.010	N/A	0.058	0.015	N/A	N/L
18	0.001	0.000	N/A	0.001	0.000	N/A	N/L
19	0.041	0.009	N/A	0.041	0.013	N/A	N/L
20	0.001	0.000	N/A	0.001	0.000	N/A	N/L
21	0.028	0.008	N/A	0.028	0.012	N/A	N/L
22	0.001	0.000	N/A	0.001	0.000	N/A	N/L
23	0.020	0.007	N/A	0.020	0.011	N/A	N/L
24	0.001	0.000	N/A	0.001	0.000	N/A	N/L
25	0.017	0.007	N/A	0.017	0.010	N/A	N/L
26	0.000	0.000	N/A	0.001	0.000	N/A	N/L
27	0.017	0.006	N/A	0.018	0.009	N/A	N/L
28	0.000	0.000	N/A	0.001	0.000	N/A	N/L
29	0.018	0.006	N/A	0.018	0.009	N/A	N/L
30	0.000	0.000	N/A	0.000	0.000	N/A	N/L
31	0.017	0.005	N/A	0.017	0.008	N/A	N/L
32	0.000	0.000	N/A	0.000	0.000	N/A	N/L
33	0.014	0.005	N/A	0.015	0.007	N/A	N/L
34	0.000	0.000	N/A	0.000	0.000	N/A	N/L
35	0.011	0.005	N/A	0.012	0.007	N/A	N/L
36	0.000	0.000	N/A	0.000	0.000	N/A	N/L
37	0.008	0.004	N/A	0.008	0.007	N/A	N/L
38	0.000	0.000	N/A	0.001	0.000	N/A	N/L
39	0.005	0.004	N/A	0.006	0.006	N/A	N/L
40	0.000	0.000	N/A	0.000	0.000	N/A	N/L

Note: The EUT power level is below 75.0 Watts and therefore has no defined limits

Voltage Source Verification Data (Run time)			
EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 2560*1440/144Hz		

Voltage (Vrms):230.03 Frequency(Hz): 50.00
I_Peak (Amps):1.804 I_RMS (Amps): 0.426
I_Fund (Amps):0.193 Crest Factor: 4.249
Power (Watts): 42.7 Power Factor: 0.439

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.148	0.460	32.26	OK
3	0.554	2.070	26.75	OK
4	0.059	0.460	12.82	OK
5	0.041	0.920	4.45	OK
6	0.027	0.460	5.80	OK
7	0.084	0.690	12.12	OK
8	0.020	0.460	4.36	OK
9	0.060	0.460	13.04	OK
10	0.028	0.460	6.15	OK
11	0.077	0.230	33.60	OK
12	0.015	0.230	6.54	OK
13	0.054	0.230	23.52	OK
14	0.012	0.230	5.21	OK
15	0.061	0.230	26.58	OK
16	0.021	0.230	9.22	OK
17	0.043	0.230	18.85	OK
18	0.016	0.230	7.00	OK
19	0.040	0.230	17.60	OK
20	0.021	0.230	8.95	OK
21	0.025	0.230	10.94	OK
22	0.012	0.230	5.35	OK
23	0.020	0.230	8.74	OK
24	0.006	0.230	2.70	OK
25	0.022	0.230	9.71	OK
26	0.008	0.230	3.28	OK
27	0.018	0.230	7.92	OK
28	0.008	0.230	3.55	OK
29	0.025	0.230	10.91	OK
30	0.005	0.230	2.30	OK
31	0.021	0.230	8.98	OK
32	0.005	0.230	2.31	OK
33	0.024	0.230	10.61	OK
34	0.003	0.230	1.40	OK
35	0.018	0.230	8.02	OK
36	0.003	0.230	1.35	OK
37	0.012	0.230	5.26	OK
38	0.002	0.230	1.02	OK
39	0.011	0.230	4.91	OK
40	0.007	0.230	2.94	OK

5.2 VOLTAGE CHANGES, VOLTAGE FLUCTUATIONS AND FLICKER TEST

5.2.1 LIMITS

Tests	Limits EN 61000-3-3	Descriptions
Pst	≤ 1.0, Tp= 10 min.	Short Term Flicker Indicator
Plt	≤ 0.65, Tp=2 hr.	Long Term Flicker Indicator
dc	≤ 3.3%	Relative Steady-State V-Chang
dmax	≤ 4%	Maximum Relative V-change
d (t)	≤ 500 ms	Relative V-change characteristic

5.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	Harmonics and Flicker Analyzer	California Instruments	PACS-1	72344	Aug. 03, 2020
2	3KVA AC Power source	California Instruments	3001ix	56309	Aug. 03, 2020
3	Measurement Software	California	CTS4.0 Version 4.21	N/A	N/A

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

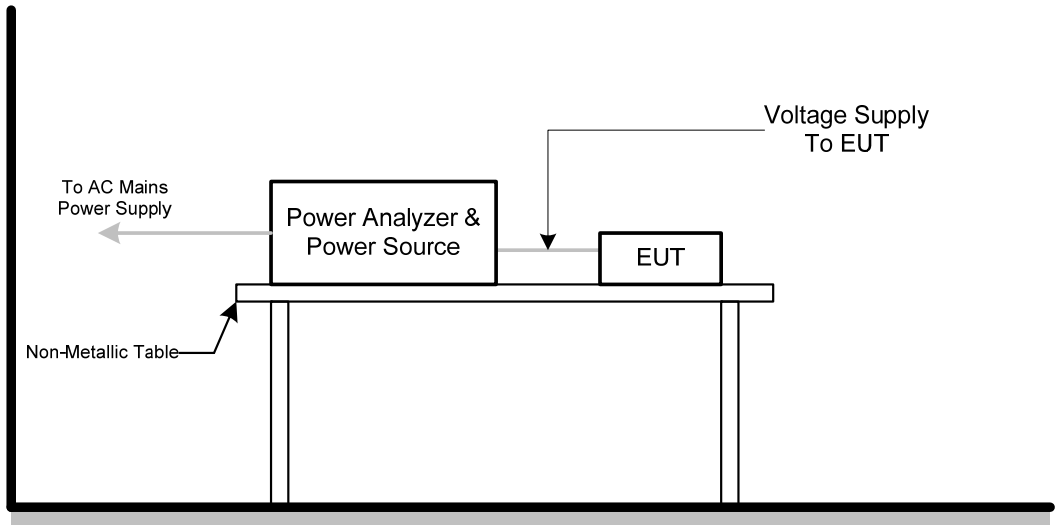
5.2.3 TEST PROCEDURE

a. Tests was performed according to the Test Conditions/Assessment of Voltage Fluctuations specified in EN 61000-3-3 depend on which standard adopted for compliance measurement.
b. All types of harmonic current and/or voltage fluctuation in this report are assessed by direct measurement using flicker-meter.

5.2.4 DEVIATION FROM TEST STANDARD

No deviation

5.2.5 TEST SETUP

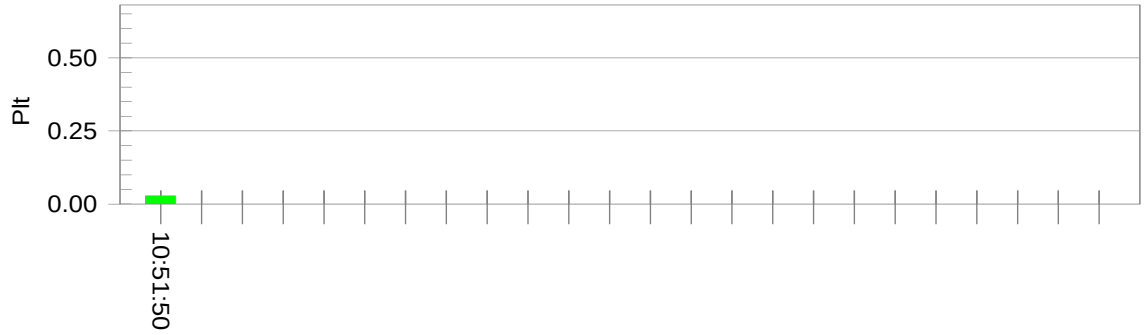


5.2.6 TEST RESULTS

EUT	LCD Monitor	Sale Name	C32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 1920*1080/165Hz		

Psti and limit line European Limits

Plt and limit line



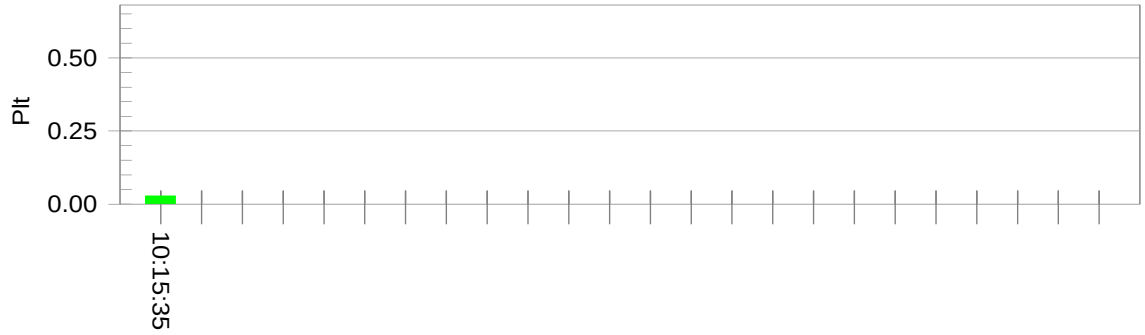
Parameter values recorded during the test:
Vrms at the end of test (Volt):230.04

T-max (mS):	0	Test limit (mS):	500.0	Pass
Highest dc (%):	0.00	Test limit (%):	3.30	Pass
Highest dmax (%):	0.00	Test limit (%):	4.00	Pass
Highest Pst (10 min. period):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

EUT	LCD Monitor	Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz		
Test Mode	HDMI1 2560*1440/144Hz		

Psti and limit line European Limits

Plt and limit line



Parameter values recorded during the test:
Vrms at the end of test (Volt):230.06

T-max (mS):	0	Test limit (mS):	500.0	Pass
Highest dc (%):	0.00	Test limit (%):	3.30	Pass
Highest dmax (%):	0.00	Test limit (%):	4.00	Pass
Highest Pst (10 min. period):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

6. EMC IMMUNITY TEST

6.1 STANDARD COMPLIANCE/SEVERITY LEVEL/CRITERIA

Tests Standard No.	Test Specification Level	Test Ports	Criteria
Electrostatic discharge IEC 61000-4-2 (ESD)	±8 kV air discharge ±4 kV contact discharge (Direct Mode)	Enclosure	B
	±4kV HCP discharge ±4kV VCP discharge (Indirect Mode)	Enclosure	B
Radiated, radio-frequency, electromagnetic field immunity IEC 61000-4-3 (RS)	80 MHz to 1000 MHz 3V/m(unmodulated, r.m.s), 1 kHz, 80% AM modulated	Enclosure	A
Electrical fast transient/burst immunity IEC 61000-4-4 (EFT)	±0.5kV(peak) 5/50ns Tr/Th 5kHz Repetition Frequency (100kHz Repetition Frequency for xDSL ports)	Signal ports and telecommunication ports (Only applicable to cable length>3 m)	B
	±0.5kV(peak) 5/50ns Tr/Th 5kHz Repetition Frequency	DC Power Ports	B
	±1 kV(peak) 5/50ns Tr/Th 5kHz Repetition Frequency	AC Power Ports	B
Surge immunity IEC 61000-4-5 (Surge)	±1 kV(peak) 10/700 Tr/Th μs (without primary protection)	Signal ports and telecommunication ports (applicable only to ports connect directly to outdoor cables)	C
	±4 kV(peak) 10/700 Tr/Th μs (with primary protectors fitted)		C
	±0.5 kV(peak) 1.2/50(8/20) Tr/Th μs	DC Power Ports (applicable only to ports connect directly to outdoor cables)	B
	±1 kV(peak) 1.2/50(8/20) Tr/Th μs (line to line)	AC Power Ports	B
	±2 kV(peak) 1.2/50(8/20) Tr/Th μs (line to earth or ground)		B

Immunity to conducted disturbances, induced by radio-frequency fields IEC 61000-4-6 (CS)	0.15 MHz to 80 MHz 3V(unmodulated, r.m.s), 1kHz 80%, AM 150Ω source impedance	Signal ports and telecommunication ports (Only applicable to cable length>3 m)	A
	0.15 MHz to 80 MHz 3V(unmodulated, r.m.s), 1kHz 80%, AM 150Ω source impedance	DC Power Ports	A
	0.15 MHz to 80 MHz 3V(unmodulated, r.m.s), 1kHz 80%, AM 150Ω source impedance	AC Power Ports	A
Power frequency magnetic field immunity IEC 61000-4-8 (PFMF)	50 Hz or 60Hz, 1A/m(r.m.s)	Enclosure	A
Voltage dips, short interruptions and voltage variations immunity IEC 61000-4-11 (Dip)	Voltage reduction＞95% 0.5 cycle Voltage reduction 30% 25 cycle Voltage reduction＞95% 250 cycle	AC Power Ports	B C C

6.2 GENERAL PERFORMANCE CRITERIA

According to **EN55024** standard, the general performance criteria as following:

Criterion A	The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
Criterion B	After the test, the equipment shall continue to operate as intended without operator Intervention. No degradation of performance or loss of function is allowed, after the application of the phenomenon below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is allowed. However, no change of operating state if stored data allowed to persist after the test. If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
Criterion C	Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer’s instructions. Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

6.3 ELECTROSTATIC DISCHARGE IMMUNITY TEST (ESD)

6.3.1 TEST SPECIFICATION

Basic Standard	IEC 61000-4-2
Discharge Impedance	330 ohm / 150 pF
Required Performance	B
Discharge Voltage	Air Discharge: ±2 kV, ±4 kV, ±8 kV Contact Discharge: ±2 kV, ±4 kV
Polarity	Positive & Negative
Number of Discharge	Air Discharge: min. 20 times at each test point Contact Discharge: min. 200 times in total
Discharge Mode	Single Discharge
Discharge Period	1 second

6.3.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	ESD Generator	TESEQ AG	NSG 437	450	Sep. 28, 2019

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

6.3.3 TEST PROCEDURE

The test generator necessary to perform direct and indirect application of discharges to the EUT in the following manner:

a. Contact discharge was applied to conductive surfaces (Direct) and coupling planes (Indirect) of the EUT.
During the test, it was performed with single discharges. For the single discharge time between successive single discharges was at least 1 second. The EUT shall be exposed to at least 200 discharges, 100 each at negative and positive polarity, at a minimum of four test points. One of the test points shall be subjected to at least 50 indirect discharges to the center of the front edge of the horizontal coupling plane. The remaining three test points shall each receive at least 50 direct contact discharges.
If no direct contact test points are available, then at least 200 indirect discharges shall be applied in the indirect mode. Test shall be performed at a maximum repetition rate of one discharge per second.
Vertical Coupling Plane (VCP):
The coupling plane, of dimensions 0.5m x 0.5m, is placed parallel to, and positioned at a distance 0.1m from, the EUT, with the Discharge Electrode touching the coupling plane.
The four faces of the EUT will be performed with electrostatic discharge.
Horizontal Coupling Plane (HCP):
The coupling plane is placed under to the EUT. The generator shall be positioned vertically at a distance of 0.1m from the EUT, with the Discharge Electrode touching the coupling plane.
The four faces of the EUT will be performed with electrostatic discharge.

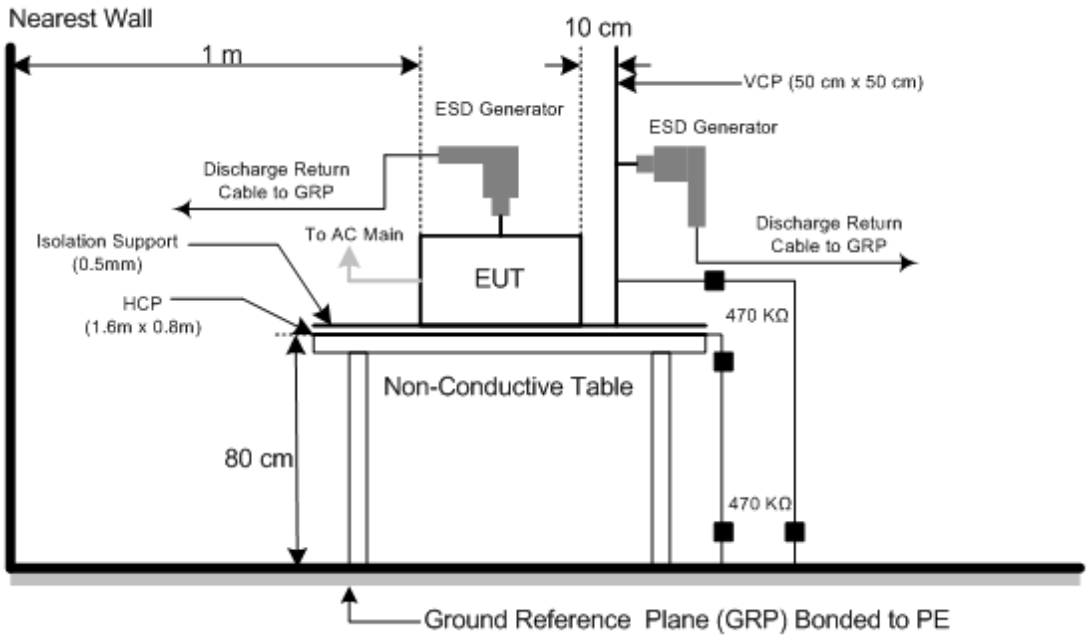
b. Air discharges at insulation surfaces of the EUT.
It was at least ten single discharges with positive and negative at the same selected point.

c. For TABLE-TOP equipment:
The configuration consisted of a wooden table 0.8 meters high standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum at least 0.25mm thick, and 2.5 meters square connected to the protective grounding system. A Horizontal Coupling Plane (1.6m x 0.8m) was placed on the table and attached to the GRP by means of a cable with 940k total impedance. The equipment under test was installed in a representative system as described in IEC 61000-4-2, and its cables were placed on the HCP and isolated by an insulating support of 0.5mm thickness. A distance of1-meter minimum was provided between the EUT and the walls of the laboratory and any other metallic structure.

6.3.4 DEVIATION FROM TEST STANDARD

No deviation

6.3.5 TEST SETUP



6.3.6 TEST RESULTS

Sale Name	C32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 1920*1080/165Hz

Mode	Air Discharge								Contact Discharge					
Test Level	2kV		4kV		8kV		- kV		2kV		4kV		- kV	
Location	P	N	P	N	P	N	P	N	P	N	P	N	P	N
1	A	A	A	A	A	A	-	-	A	A	A	A	-	-
2	A	A	A	A	A	A	-	-	A	A	A	A	-	-
3	A	A	A	A	A	A	-	-	-	-	-	-	-	-
4	A	A	A	A	A	A	-	-	-	-	-	-	-	-
Criteria	B						-		B				-	
Result	A						-		A				-	

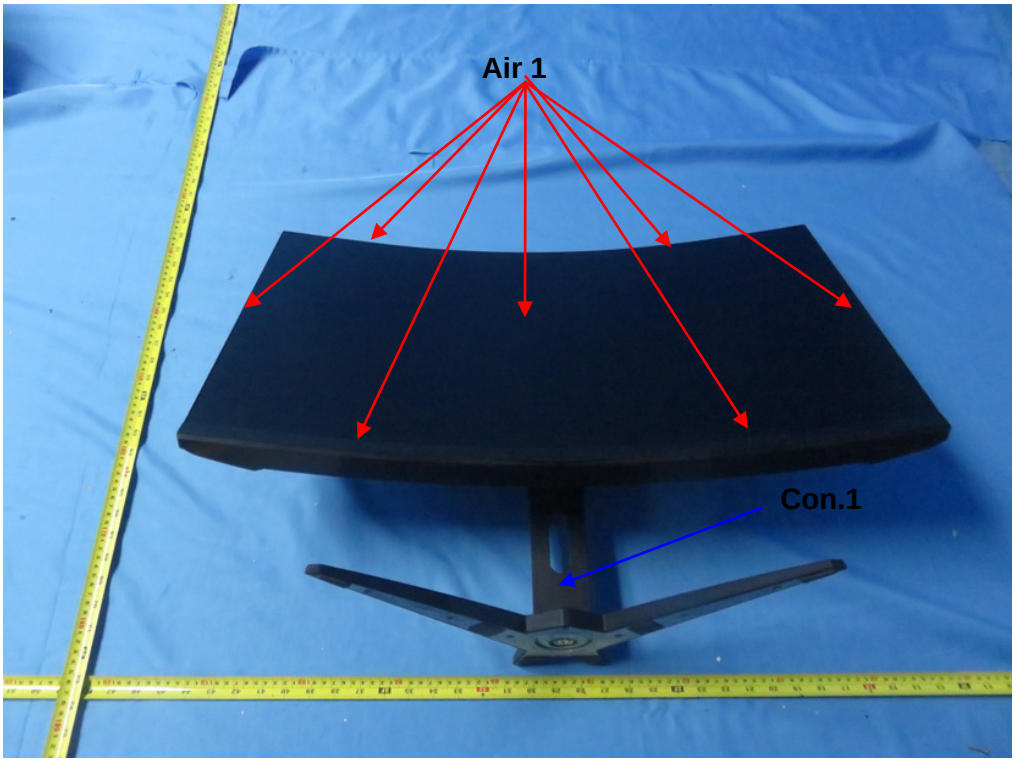
Mode	HCP Contact Discharge						VCP Contact Discharge					
Test Level	2kV		4kV		- kV		2kV		4kV		- kV	
Location	P	N	P	N	P	N	P	N	P	N	P	N
Left side	A	A	A	A	-	-	A	A	A	A	-	-
Right side	A	A	A	A	-	-	A	A	A	A	-	-
Front side	A	A	A	A	-	-	A	A	A	A	-	-
Rear side	A	A	A	A	-	-	A	A	A	A	-	-
Criteria	B				-		B				-	
Result	A				-		A				-	

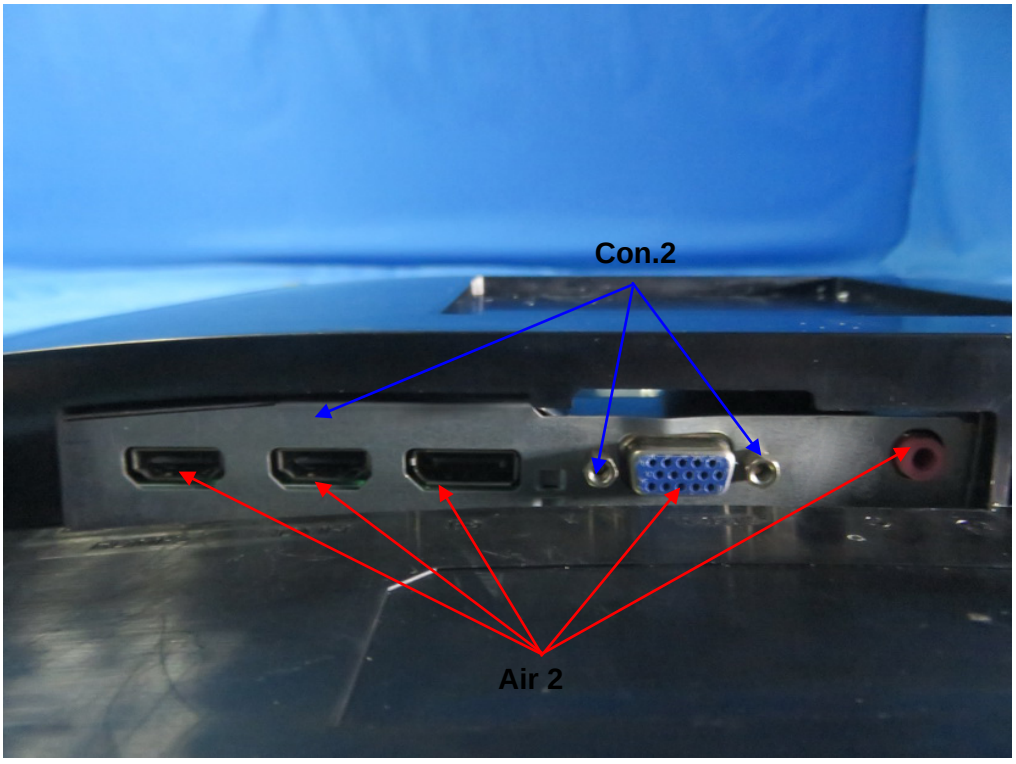
Note:

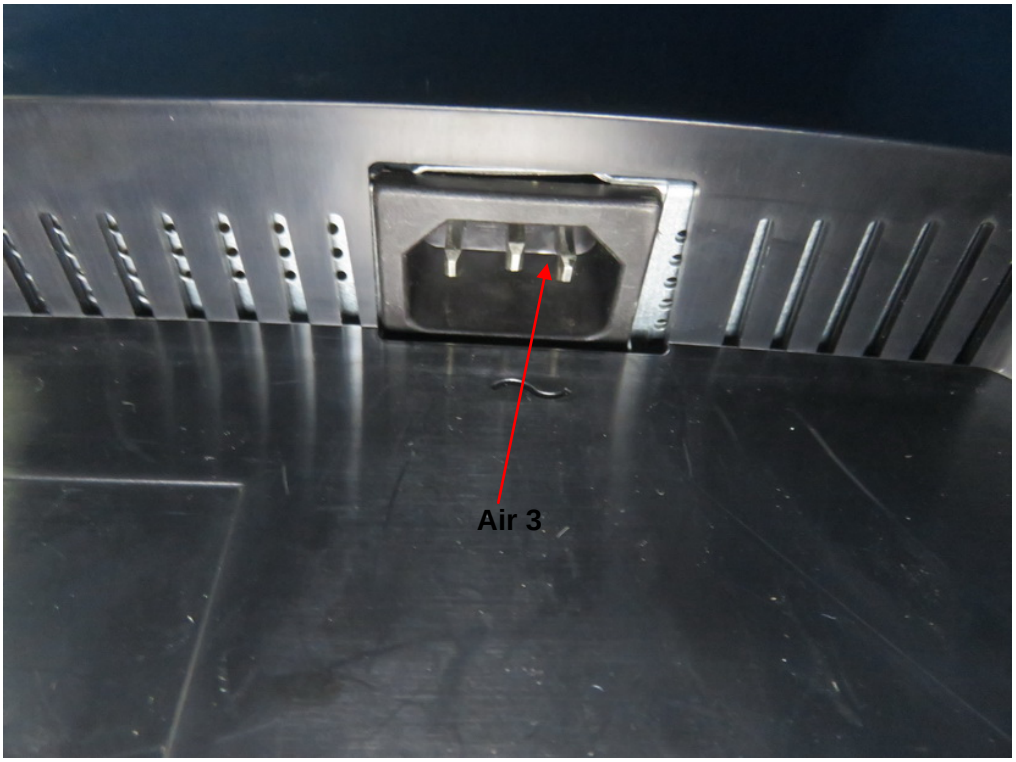
1) P/N denotes the Positive/Negative polarity of the output voltage.

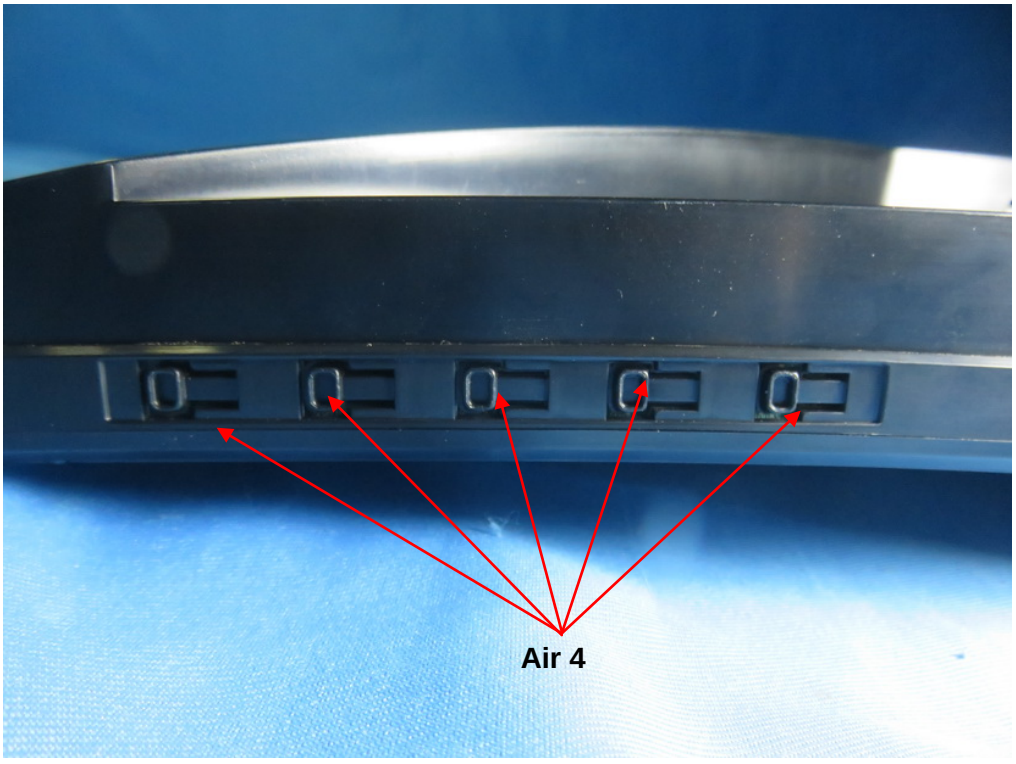
2) N/A - denotes test is not applicable in this test report

PHOTO(S) SHOWN THE LOCATION(S) OF ESD EVALUATED






Air 3


Air 4

Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 2560*1440/144Hz

Mode	Air Discharge								Contact Discharge					
Test Level	2kV		4kV		8kV		- kV		2kV		4kV		- kV	
Location	P	N	P	N	P	N	P	N	P	N	P	N	P	N
1	A	A	A	A	A	A	-	-	A	A	A	A	-	-
2	A	A	A	A	A	A	-	-	A	A	A	A	-	-
3	A	A	A	A	A	A	-	-	-	-	-	-	-	-
4	A	A	A	A	A	A	-	-	-	-	-	-	-	-
Criteria	B						-		B				-	
Result	A						-		A				-	

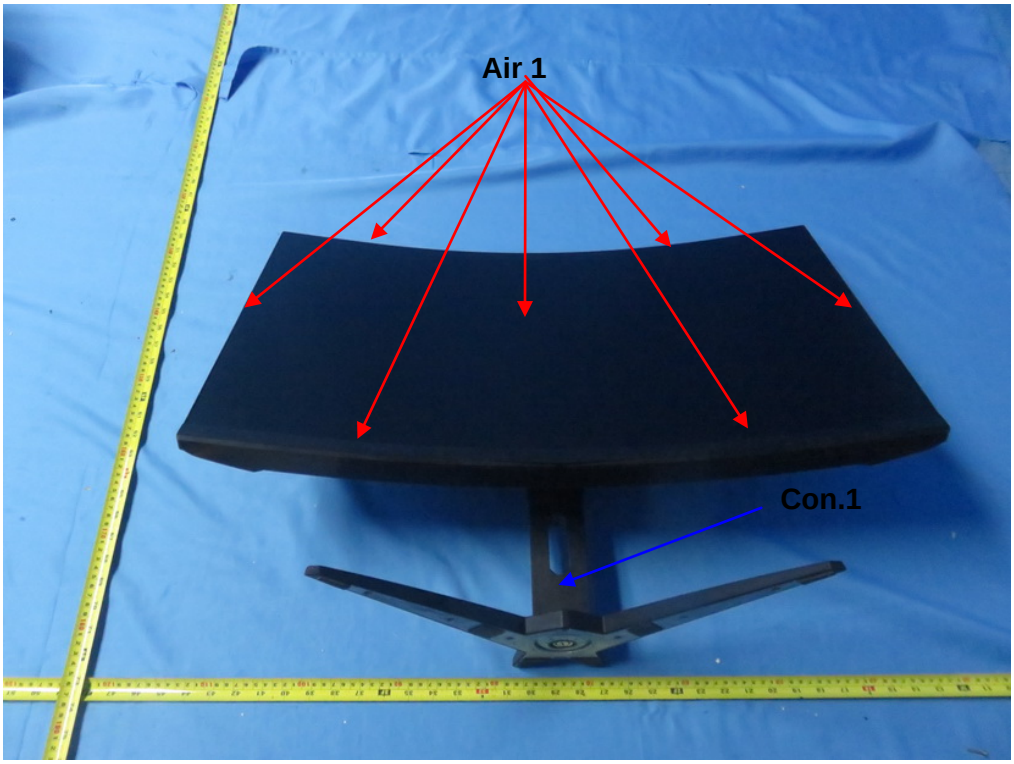
Mode	HCP Contact Discharge						VCP Contact Discharge					
Test Level	2kV		4kV		- kV		2kV		4kV		- kV	
Location	P	N	P	N	P	N	P	N	P	N	P	N
Left side	A	A	A	A	-	-	A	A	A	A	-	-
Right side	A	A	A	A	-	-	A	A	A	A	-	-
Front side	A	A	A	A	-	-	A	A	A	A	-	-
Rear side	A	A	A	A	-	-	A	A	A	A	-	-
Criteria	B				-		B				-	
Result	A				-		A				-	

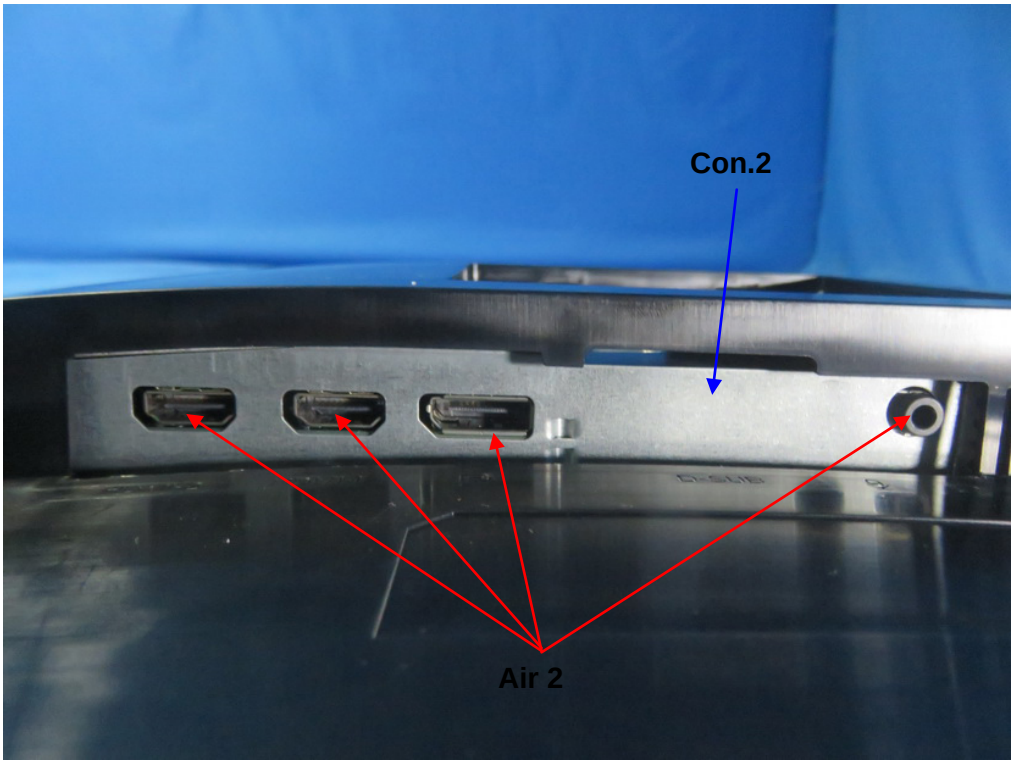
Note:

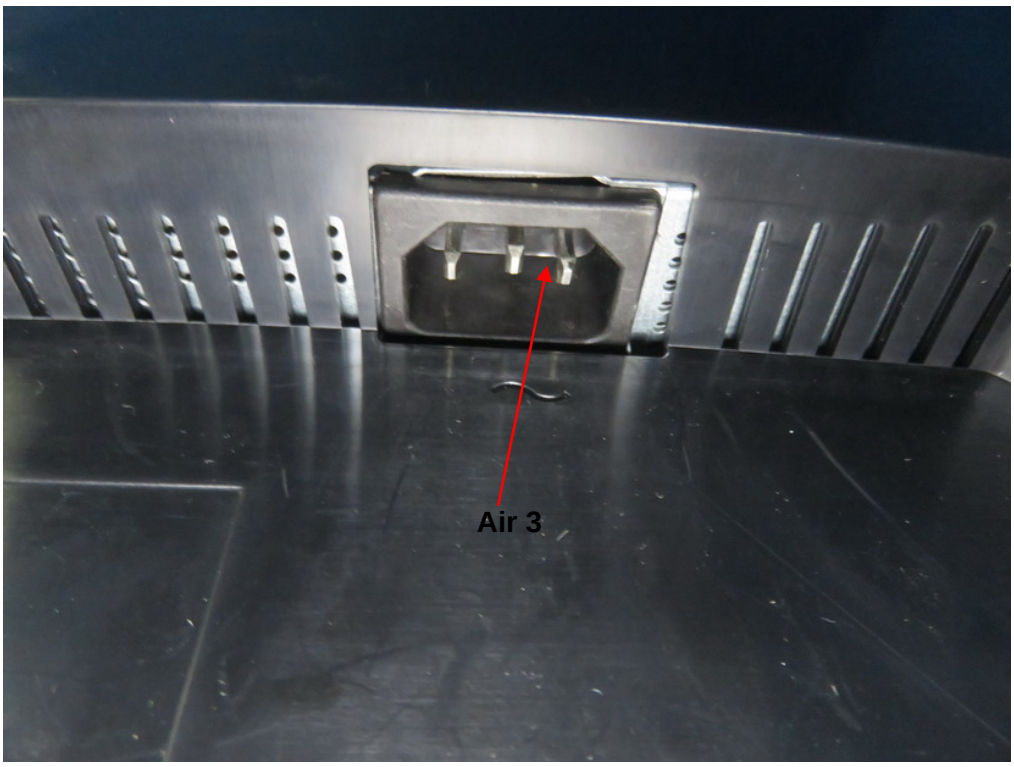
1) P/N denotes the Positive/Negative polarity of the output voltage.

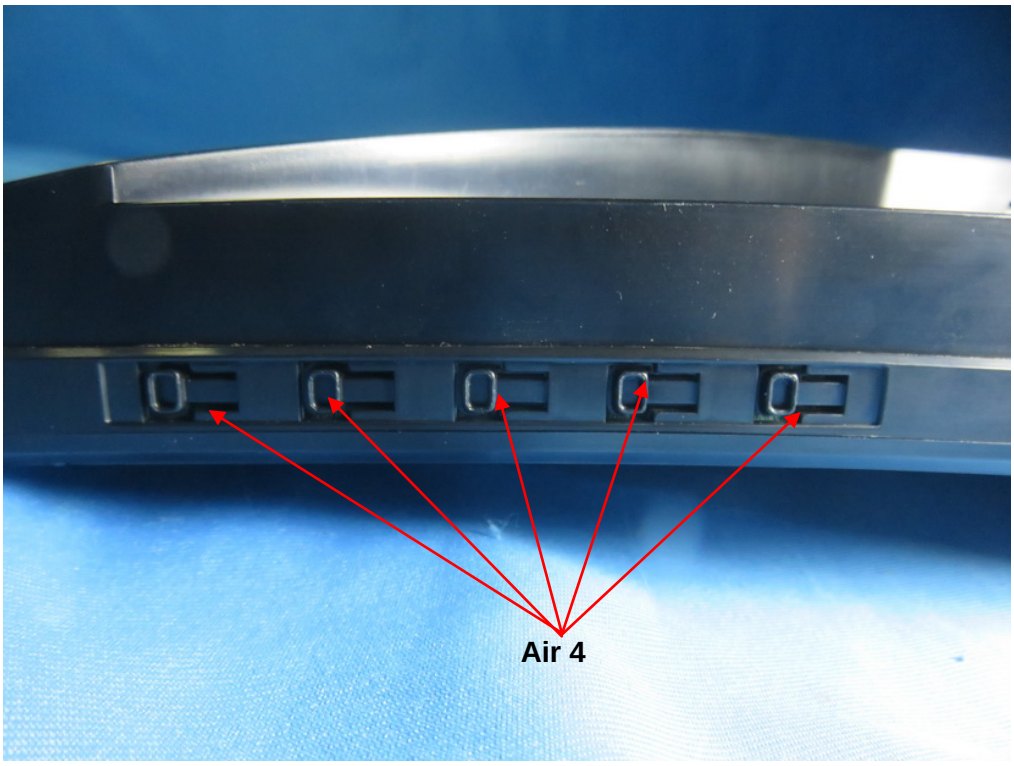
2) N/A - denotes test is not applicable in this test report

PHOTO(S) SHOWN THE LOCATION(S) OF ESD EVALUATED






Air 3


Air 4

6.4 RADIATED, RADIO-FREQUENCY, ELECTROMAGNETIC FIELD IMMUNITY TEST (RS)

6.4.1 TEST SPECIFICATION

Basic Standard	IEC 61000-4-3
Required Performance	A
Frequency Range	80 MHz - 1000 MHz
Field Strength	3 V/m(unmodulated, r.m.s)
Modulation	1 kHz Sine Wave, 80%, AM Modulation
Frequency Step	1% of fundamental
Polarity of Antenna	Horizontal and Vertical
Test Distance	3 m
Antenna Height	1.55 m
Dwell Time	3 seconds

6.4.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	MXG Analog Signal Generator	Agilent	N5181A	MY49060710	Aug. 03, 2020
2*	Power amplifier	MILMEGA	80RF1000-250	1064833	Aug. 20, 2020
3	Antenna	ETS	3142C	47662	Mar. 23, 2020
4	Measurement Software	TOYO	IM5/RS Ver 3.8.050	N/A	N/A

Remark: “N/A” denotes no model no., no serial No. or no calibration specified.
“*” calibration period of equipment list is three year.
Except * item, all calibration period of equipment list is one year.

6.4.3 TEST PROCEDURE

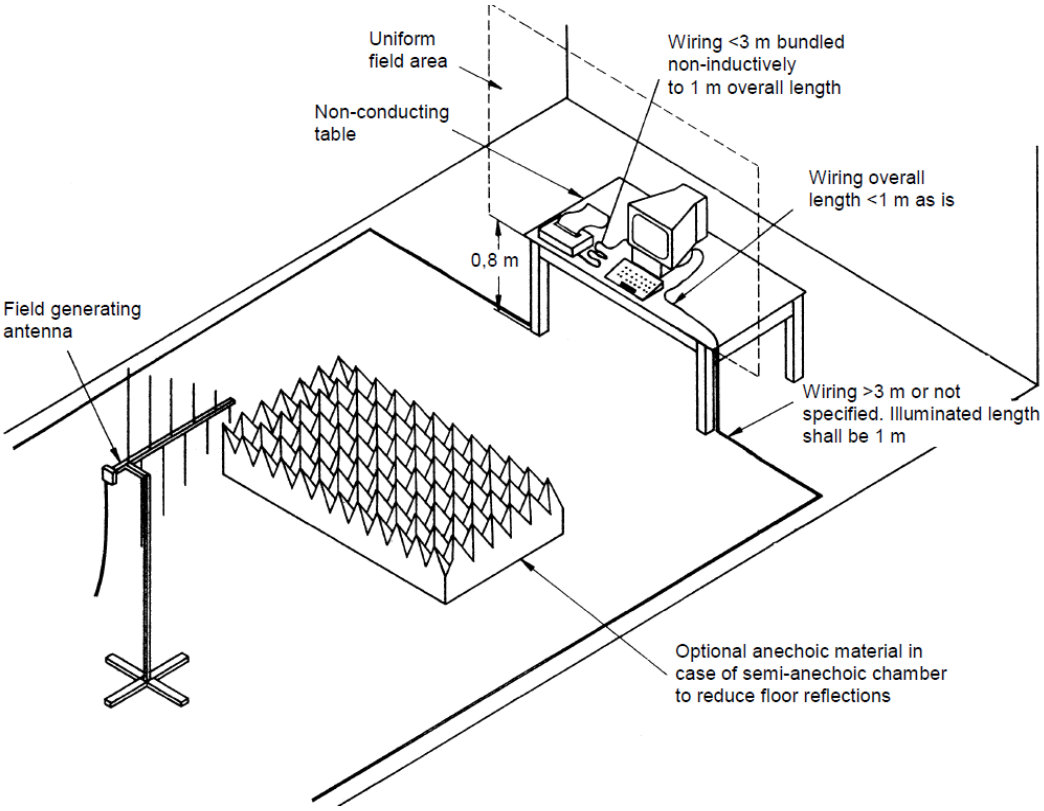
The EUT and support equipment are in a fully-anechoic chamber.
The testing distance from antenna to the EUT was 3 meters.
For TABLE-TOP equipment:
The EUT installed in a representative system as described in IEC 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.
The other condition as following manner:

a. The field strength level was 3 V/m(unmodulated, r.m.s).
b. The frequency range is swept from 80 MHz to 1000 MHz, with the signal 80%amplitude modulated with a 1 kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.
c. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.
d. The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

6.4.4 DEVIATION FROM TEST STANDARD

No deviation

6.4.5 TEST SETUP



6.4.6 TEST RESULTS

Sale Name	C32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 1920*1080/165Hz

Frequency Range (MHz)	RF Field Position	R.F. Field Strength	Modulation	Azimuth	Criterion	Result
80 - 1000	H / V	3V/m	AM Modulated 1000Hz, 80%	0	A	A
				90		
				180		
				270		

Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 2560*1440/144Hz

Frequency Range (MHz)	RF Field Position	R.F. Field Strength	Modulation	Azimuth	Criterion	Result
80 - 1000	H / V	3V/m	AM Modulated 1000Hz, 80%	0	A	A
				90		
				180		
				270		

6.5 ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST (EFT/BURST)

6.5.1 TEST SPECIFICATION

Basic Standard	IEC 61000-4-4
Required Performance	B
Test Voltage	AC Power Ports:±1 kV
Polarity	Positive & Negative
Impulse Frequency	5 kHz: except for xDSL ports.
Impulse Wave shape	5/50 ns
Burst Duration	15 ms
Burst Period	300 ms
Test Duration	1 min.

6.5.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	THE MODULAR SOLUTION FOR 6 KV APPLICATIONS	Teseq	NSG 3060	1423	Aug. 03, 2020

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

6.5.3 TEST PROCEDURE

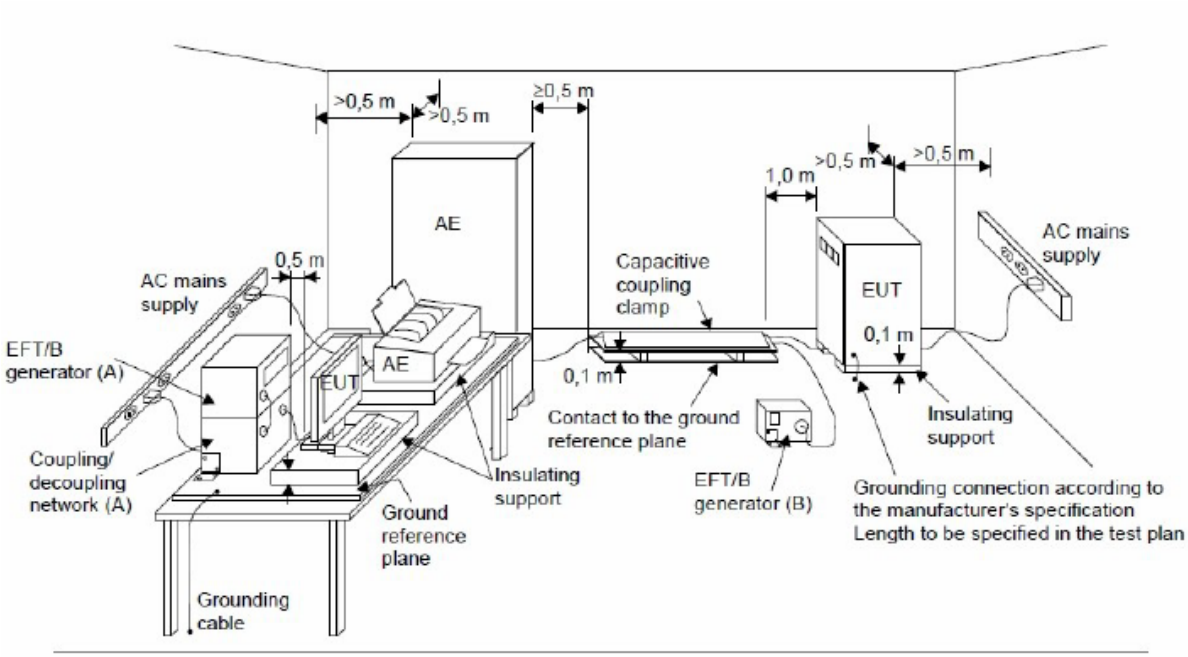
For TABLE-TOP equipment:
The configuration consisted of a wooden table (0.8m high) standing on the Ground Reference Plane and should be located 0.1 m+/- 0.01m above the Ground Reference Plane. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system. A minimum distance of 0.5m was provided between the EUT and the walls of the laboratory or any other metallic structure.
The other condition as following manner:

a. Both positive and negative polarity discharges were applied.
b. The duration time of each test sequential was 1 minute

6.5.4 DEVIATION FROM TEST STANDARD

No deviation

6.5.5 TEST SETUP



6.5.6 TEST RESULTS

Sale Name	C32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 1920*1080/165Hz

EUT Ports Tested		Polarity	Repetition Frequency	Test Level 1kV	Criterion	Result
AC Power Port	Line (L)	+	5 kHz	A	B	A
		-	5 kHz	A		
	Neutral (N)	+	5 kHz	A	B	A
		-	5 kHz	A		
	Ground (PE)	+	5 kHz	A	B	A
		-	5 kHz	A		
	L+N	+	5 kHz	A	B	A
		-	5 kHz	A		
	L+PE	+	5 kHz	A	B	A
		-	5 kHz	A		
	N+PE	+	5 kHz	A	B	A
		-	5 kHz	A		
	L+N+PE	+	5 kHz	A	B	A
		-	5 kHz	A		

Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 2560*1440/144Hz

EUT Ports Tested		Polarity	Repetition Frequency	Test Level 1kV	Criterion	Result
AC Power Port	Line (L)	+	5 kHz	A	B	A
		-	5 kHz	A		
	Neutral (N)	+	5 kHz	A	B	A
		-	5 kHz	A		
	Ground (PE)	+	5 kHz	A	B	A
		-	5 kHz	A		
	L+N	+	5 kHz	A	B	A
		-	5 kHz	A		
	L+PE	+	5 kHz	A	B	A
		-	5 kHz	A		
	N+PE	+	5 kHz	A	B	A
		-	5 kHz	A		
	L+N+PE	+	5 kHz	A	B	A
		-	5 kHz	A		

6.6 SURGE IMMUNITY TEST

6.6.1 TEST SPECIFICATION

Basic Standard	IEC 61000-4-5
Required Performance	B (For AC/DC Power Ports)
Wave-Shape	1.2/50(8/20) Tr/Th μs combination wave
Test Voltage	AC Power Port: ±0.5 kV, ±1 kV, ±2 kV
Generator Source Impedance	2 Ω of the low-voltage power supply network. 12 Ω (10Ω+2Ω) of the low-voltage power supply network and ground.
Number of Tests & Polarity	5 positive and 5 negative at selected points
Phase Angle	AC Power Port: 0°/90°/180°/270°
Pulse Repetition Rate	1 time / min.

6.6.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	THE MODULAR SOLUTION FOR 6 KV APPLICATIONS	Teseq	NSG 3060	1423	Aug. 03, 2020

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

6.6.3 TEST PROCEDURE

a. For EUT power supply:
The surge is to be applied to the EUT power supply terminals via the capacitive coupling network. Decoupling networks are required in order to avoid possible adverse effects on equipment not under test that may be powered by the same lines, and to provide sufficient decoupling impedance to the surge wave. The power cord between the EUT and the coupling/decoupling networks shall be 2meters in length (or shorter).

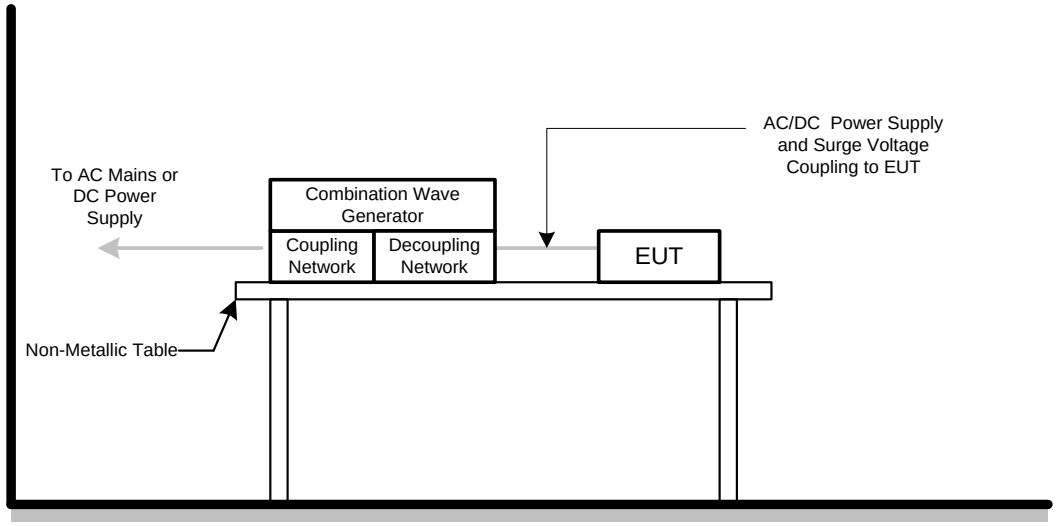
b. For test applied to unshielded unsymmetrically operated interconnection lines of EUT :
The surge is applied to the lines via the capacitive coupling. The coupling /decoupling networks shall not influence the specified functional conditions of the EUT. The interconnection line between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

c. For test applied to unshielded symmetrically operated interconnection /telecommunication lines of EUT :
The surge is applied to the lines via gas arrestors coupling. Test levels below the ignition point of the coupling arrestor cannot be specified. The interconnection line between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

6.6.4 DEVIATION FROM TEST STANDARD

No deviation

6.6.5 TEST SETUP



6.6.6 TEST RESULTS

Sale Name	C32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 1920*1080/165Hz

Wave Form EUT Ports Tested		1.2/50(8/20)Tr/Thμs						Criterion	Result
		Polarity	Phase	Voltage					
				0.5kV	1kV	-- kV	-- kV		
AC	L – N	+/-	0°	A	A	-	-	B	A
		+/-	90°	A	A	-	-		
		+/-	180°	A	A	-	-		
		+/-	270°	A	A	-	-		

Wave Form EUT Ports Tested		1.2/50(8/20)Tr/Thμs						Criterion	Result
		Polarity	Phase	Voltage					
				0.5kV	1kV	2kV	-- kV		
AC	L – PE	+/-	0°	A	A	A	-	B	A
		+/-	90°	A	A	A	-		
		+/-	180°	A	A	A	-		
		+/-	270°	A	A	A	-		
	N – PE	+/-	0°	A	A	A	-	B	A
		+/-	90°	A	A	A	-		
		+/-	180°	A	A	A	-		
		+/-	270°	A	A	A	-		

Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 2560*1440/144Hz

Wave Form EUT Ports Tested		1.2/50(8/20)Tr/Thμs						Criterion	Result
		Polarity	Phase	Voltage					
				0.5kV	1kV	-- kV	-- kV		
AC	L – N	+/-	0°	A	A	-	-	B	A
		+/-	90°	A	A	-	-		
		+/-	180°	A	A	-	-		
		+/-	270°	A	A	-	-		

Wave Form EUT Ports Tested		1.2/50(8/20)Tr/Thμs						Criterion	Result
		Polarity	Phase	Voltage					
				0.5kV	1kV	2kV	-- kV		
AC	L – PE	+/-	0°	A	A	A	-	B	A
		+/-	90°	A	A	A	-		
		+/-	180°	A	A	A	-		
		+/-	270°	A	A	A	-		
	N – PE	+/-	0°	A	A	A	-	B	A
		+/-	90°	A	A	A	-		
		+/-	180°	A	A	A	-		
		+/-	270°	A	A	A	-		

6.7 IMMUNITY TO CONDUCTED DISTURBANCES, INDUCED BY RADIO-FREQUENCY FIELDS TEST (CS)

6.7.1 TEST SPECIFICATION

Basic Standard	IEC 61000-4-6
Required Performance	A
Frequency Range	0.15 MHz - 80 MHz
Field Strength	3 V (unmodulated, r.m.s.)
Modulation	1 kHz Sine Wave, 80%, AM Modulation
Frequency Step	1% of fundamental
Dwell Time	3 seconds

6.7.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	Power CDN	FCC	FCC-801-M 2/M3-16A	100270	Mar. 10, 2020
2	TEST SYSTEM FOR CONDUCTED AND RADIATED IMMUNITY	TESEQ	NSG 4070B	37513	Aug. 03, 2020
3	Measurement Software	Farad	EZ-CS(V2. 0.1.2)	N/A	N/A

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

6.7.3 TEST PROCEDURE

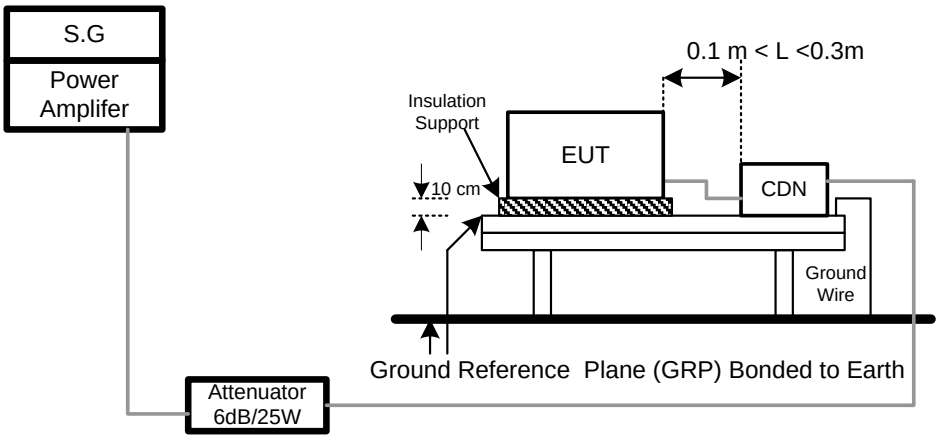
The equipment to be tested is placed on an insulating support of 0.1m height above a reference ground plane. All cables exiting the EUT shall be supported at a height of at least 30 mm above the reference ground plane. All relevant cables shall be provided with the appropriate coupling and decoupling devices at a distance between 0.1 meters and 0.3 meters from the projected geometry of the EUT on the ground reference plane.
The other condition as following manner:

a. The field strength level was 3 V (unmodulated, r.m.s.)
b. The frequency range is swept from 150 kHz to 80 MHz, with the signal 80%amplitude modulated with a 1 kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.
c. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.

6.7.4 DEVIATION FROM TEST STANDARD

No deviation

6.7.5 TEST SETUP



6.7.6 TEST RESULTS

Sale Name	C32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 1920*1080/165Hz

Test Ports (Mode)	Frequency Range (MHz)	Field Strength	Modulation	Criteria	Results
Input/ Output AC.Power Port	0.15 ---80	3V	AM Modulated 1000Hz, 80%	A	A

Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 2560*1440/144Hz

Test Ports (Mode)	Frequency Range (MHz)	Field Strength	Modulation	Criteria	Results
Input/ Output AC.Power Port	0.15 ---80	3V	AM Modulated 1000Hz, 80%	A	A

6.8 POWER FREQUENCY MAGNETIC FIELD IMMUNITY TEST (PFMF)

6.8.1 TEST SPECIFICATION

Basic Standard	IEC 61000-4-8
Required Performance	A
Frequency Range	50/60 Hz
Field Strength	1 A/m
Observation Time	1 minute
Inductance Coil	Rectangular type, 1mx1m

6.8.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	Magnetic Field test Generator	FCC	F-1000-4-8-G-125A	04032	Mar. 10, 2020
2	Magnetic Field immunity loop	Thermo KeyTek	F-1000-4-8/9/10-L-1M	04024	Mar. 10, 2020

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

6.8.3 TEST PROCEDURE

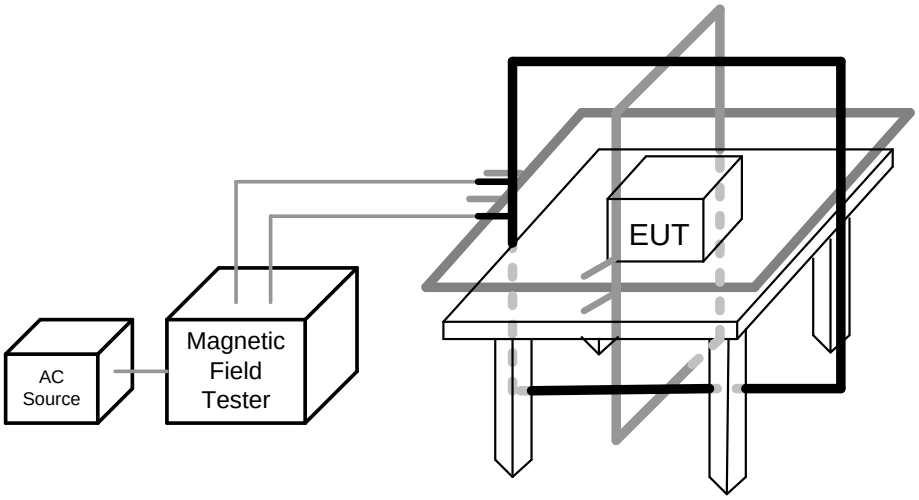
For TABLE-TOP equipment:
The equipment shall be subjected to the test magnetic field by using the induction coil of standard dimension (1 m x 1 m). The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.
The other condition as following manner:

a. The equipment cabinets shall be connected to the safety earth directly on the GRP via the earth terminal of the EUT.
b. The cables supplied or recommended by the equipment manufacturer shall be used. 1 meter of all cables used shall be exposed to the magnetic field.

6.8.4 DEVIATION FROM TEST STANDARD

No deviation

6.8.5 TEST SETUP



6.8.6 TEST RESULTS

Sale Name	C32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 1920*1080/165Hz

50Hz

Test Mode	Test Level	Antenna aspect	Duration (s)	Criteria	Results
Enclosure	1 A/m	X	60	A	A
Enclosure	1 A/m	Y	60	A	A
Enclosure	1 A/m	Z	60	A	A

60Hz

Test Mode	Test Level	Antenna aspect	Duration (s)	Criteria	Results
Enclosure	1 A/m	X	60	A	A
Enclosure	1 A/m	Y	60	A	A
Enclosure	1 A/m	Z	60	A	A

Sale Name	CQ32G2
Test Voltage	AC 230V/50Hz
Test Mode	HDMI1 2560*1440/144Hz

50Hz

Test Mode	Test Level	Antenna aspect	Duration (s)	Criteria	Results
Enclosure	1 A/m	X	60	A	A
Enclosure	1 A/m	Y	60	A	A
Enclosure	1 A/m	Z	60	A	A

60Hz

Test Mode	Test Level	Antenna aspect	Duration (s)	Criteria	Results
Enclosure	1 A/m	X	60	A	A
Enclosure	1 A/m	Y	60	A	A
Enclosure	1 A/m	Z	60	A	A

6.9 VOLTAGE DIPS, SHORT INTERRUPTIONS AND VOLTAGE VARIATIONS IMMUNITY TEST

6.9.1 TEST SPECIFICATION

Basic Standard	IEC 61000-4-11
Required Performance	B (For >95% Voltage Dips) C (For 30% Voltage Dips) C (For >95% Voltage Interruptions)
Interval between Event	Ten seconds
Phase Angle	0°/180°
Test Cycle	3 times

6.9.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Series Model	Calibrated until
1	THE MODULAR SOLUTION FOR 6 KV APPLICATIONS	Teseq	NSG 3060	1423	Aug. 03, 2020

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

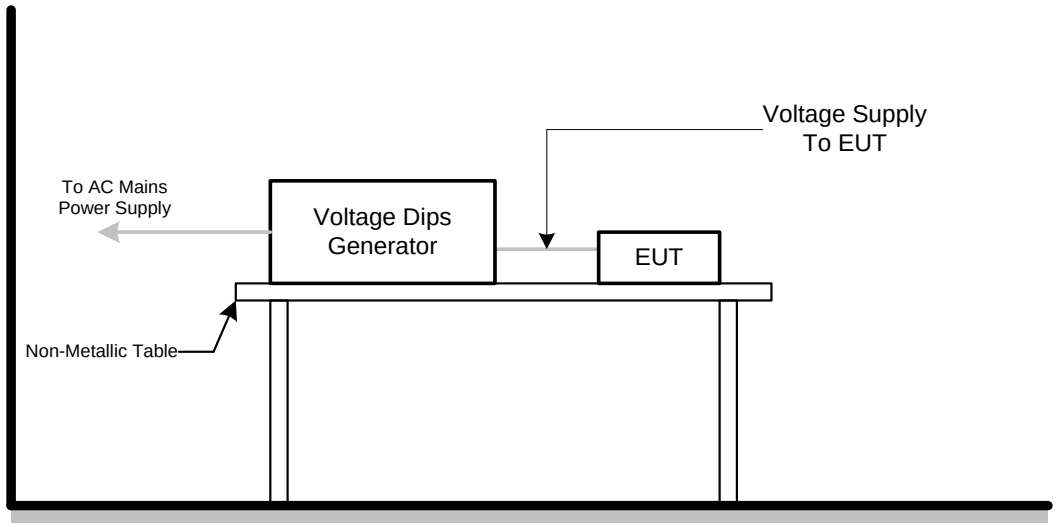
6.9.3 TEST PROCEDURE

The EUT shall be tested for each selected combination of test levels and duration with a sequence of three dips/interruptions with intervals of 10 s minimum (between each test event). Each representative mode of operation shall be tested. Abrupt changes in supply voltage shall occur at zero crossings of the voltage waveform.

6.9.4 DEVIATION FROM TEST STANDARD

No deviation

6.9.5 TEST SETUP



6.9.6 TEST RESULTS

Sale Name	CQ32G2
Test Voltage	AC 100V/50Hz, AC 230V/50Hz, AC 240V/50Hz
Test Mode	HDMI1 1920*1080/165Hz

AC 100V/50Hz				
Item	Residual Voltage	Cycle	Criteria	Results
Voltage dips	＞95%	0.5	B	A
Voltage dips	30%	25	C	A
Voltage Interruption	＞95%	250	C	C

AC 230V/50Hz				
Item	Residual Voltage	Cycle	Criteria	Results
Voltage dips	＞95%	0.5	B	A
Voltage dips	30%	25	C	A
Voltage Interruption	＞95%	250	C	C

AC 240V/50Hz				
Item	Residual Voltage	Cycle	Criteria	Results
Voltage dips	＞95%	0.5	B	A
Voltage dips	30%	25	C	A
Voltage Interruption	＞95%	250	C	C

Sale Name	C32G2
Test Voltage	AC 100V/50Hz, AC 230V/50Hz, AC 240V/50Hz
Test Mode	HDMI1 2560*1440/144Hz

AC 100V/50Hz				
Item	Residual Voltage	Cycle	Criteria	Results
Voltage dips	＞95%	0.5	B	A
Voltage dips	30%	25	C	A
Voltage Interruption	＞95%	250	C	C

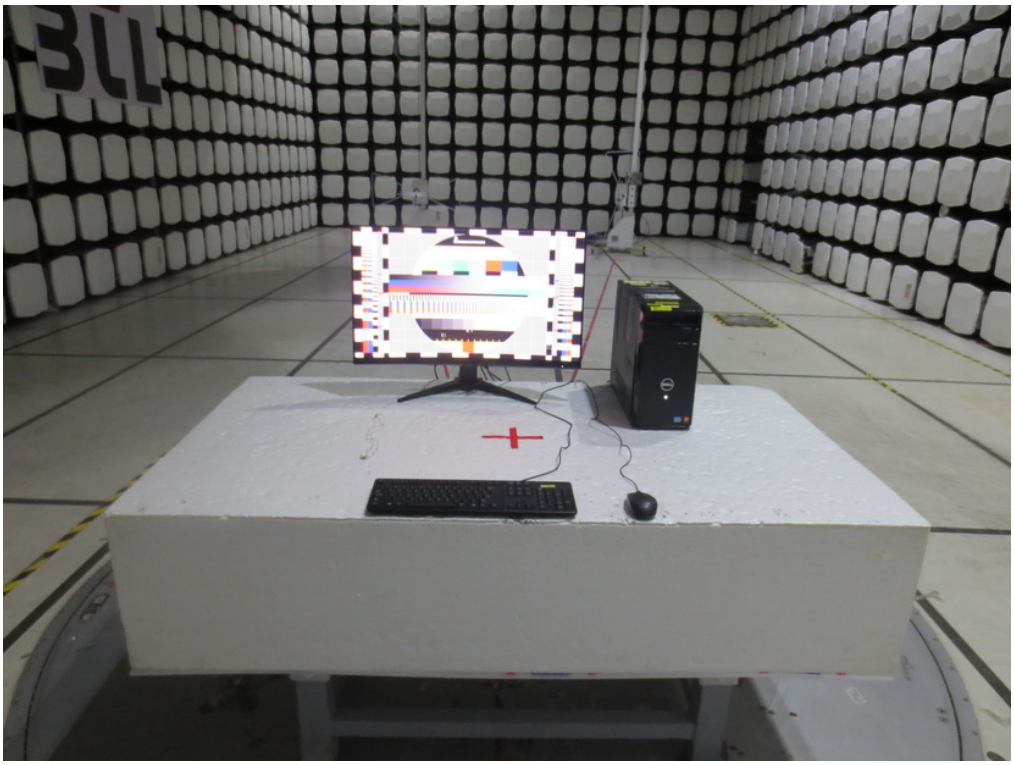
AC 230V/50Hz				
Item	Residual Voltage	Cycle	Criteria	Results
Voltage dips	＞95%	0.5	B	A
Voltage dips	30%	25	C	A
Voltage Interruption	＞95%	250	C	C

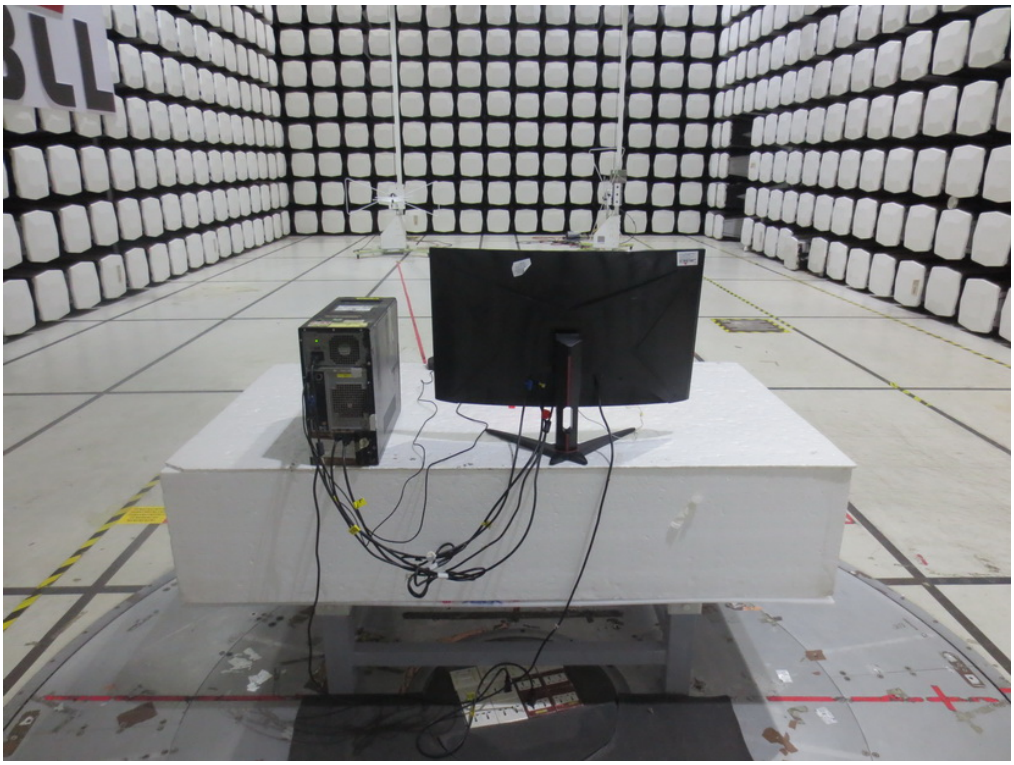
AC 240V/50Hz				
Item	Residual Voltage	Cycle	Criteria	Results
Voltage dips	＞95%	0.5	B	A
Voltage dips	30%	25	C	A
Voltage Interruption	＞95%	250	C	C

7. EUT TEST PHOTO

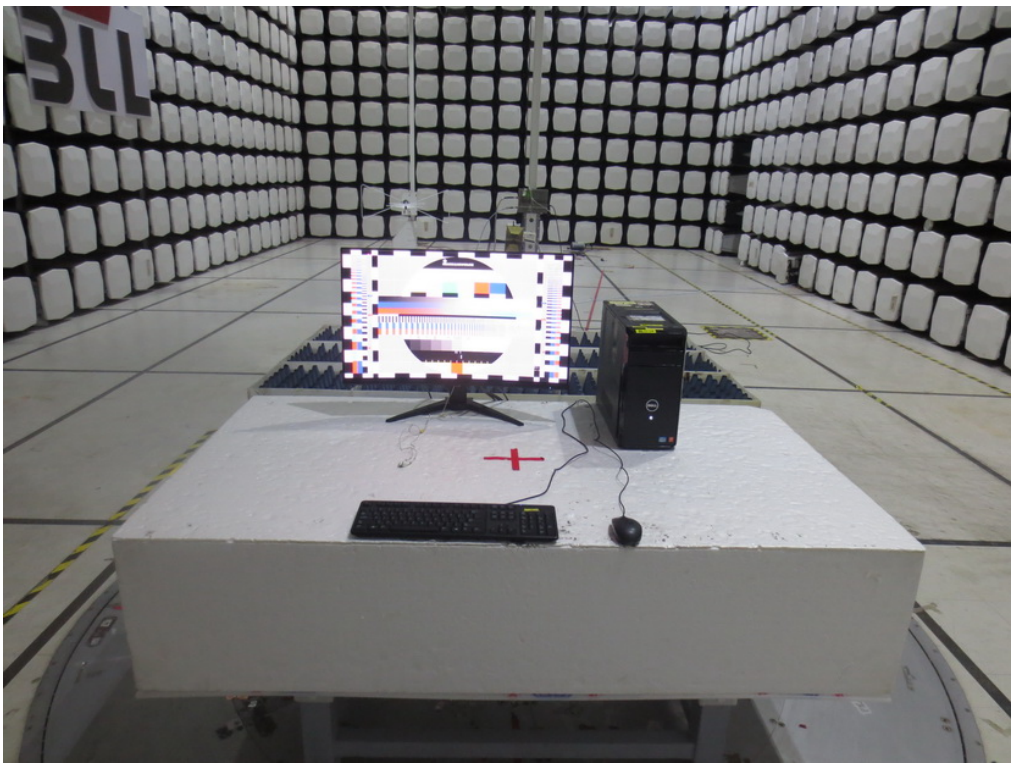
EN 55032:2012+AC:2013 &2015

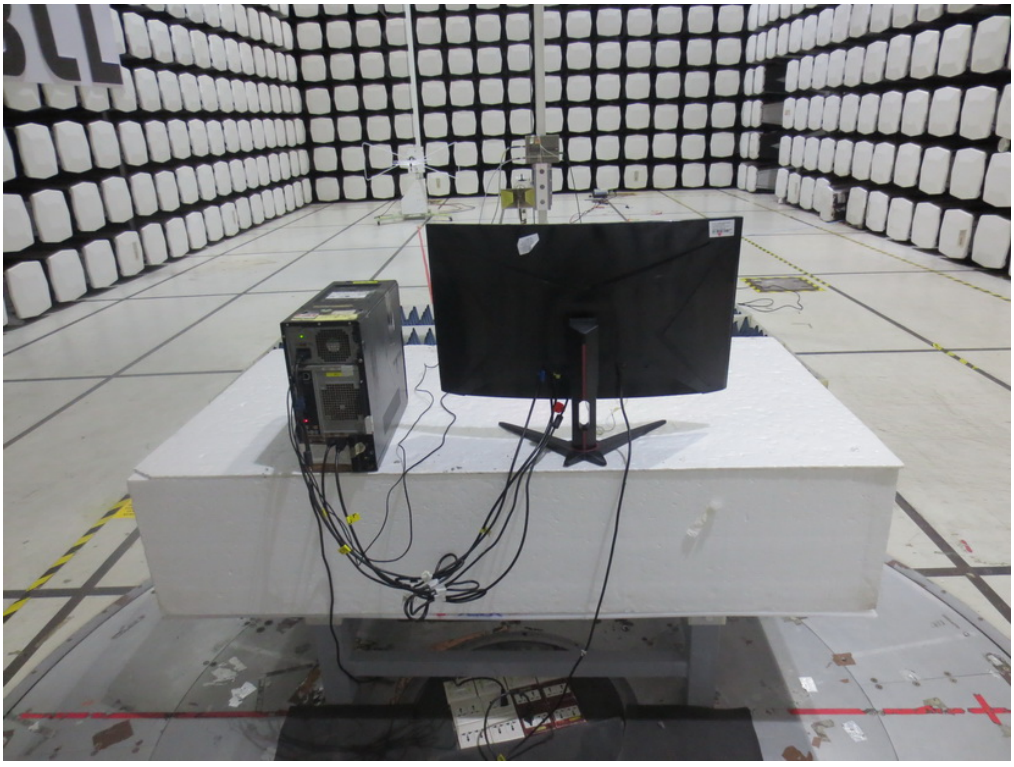
Radiated emissions up to 1 GHz





Radiated emissions above 1 GHz

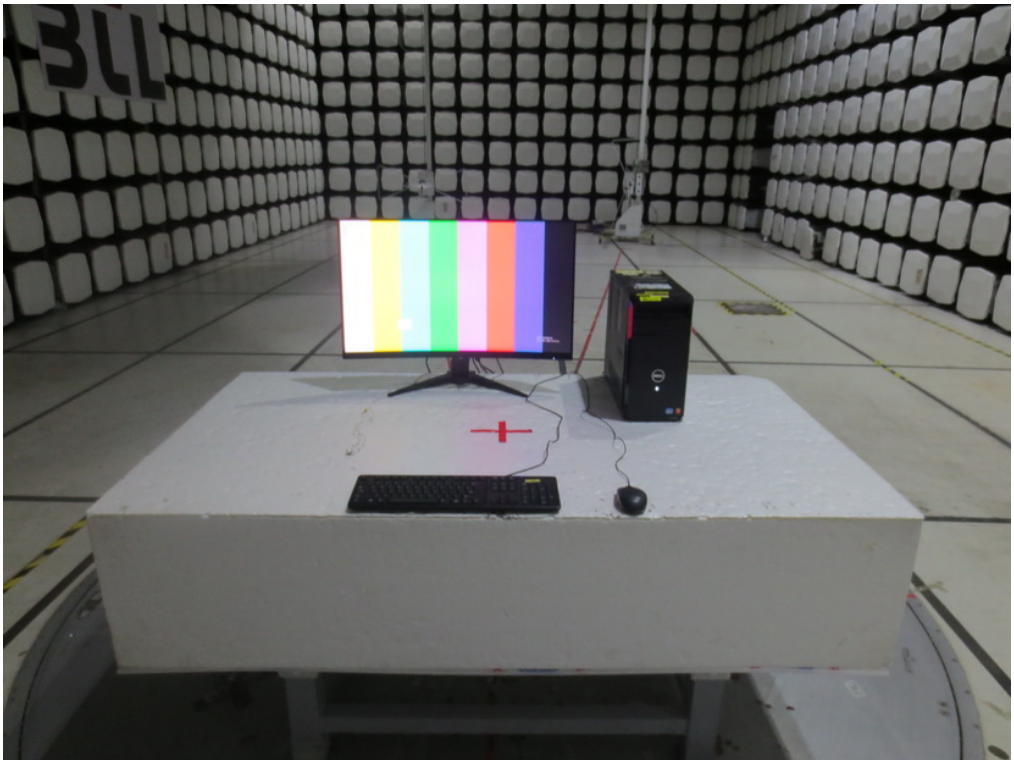


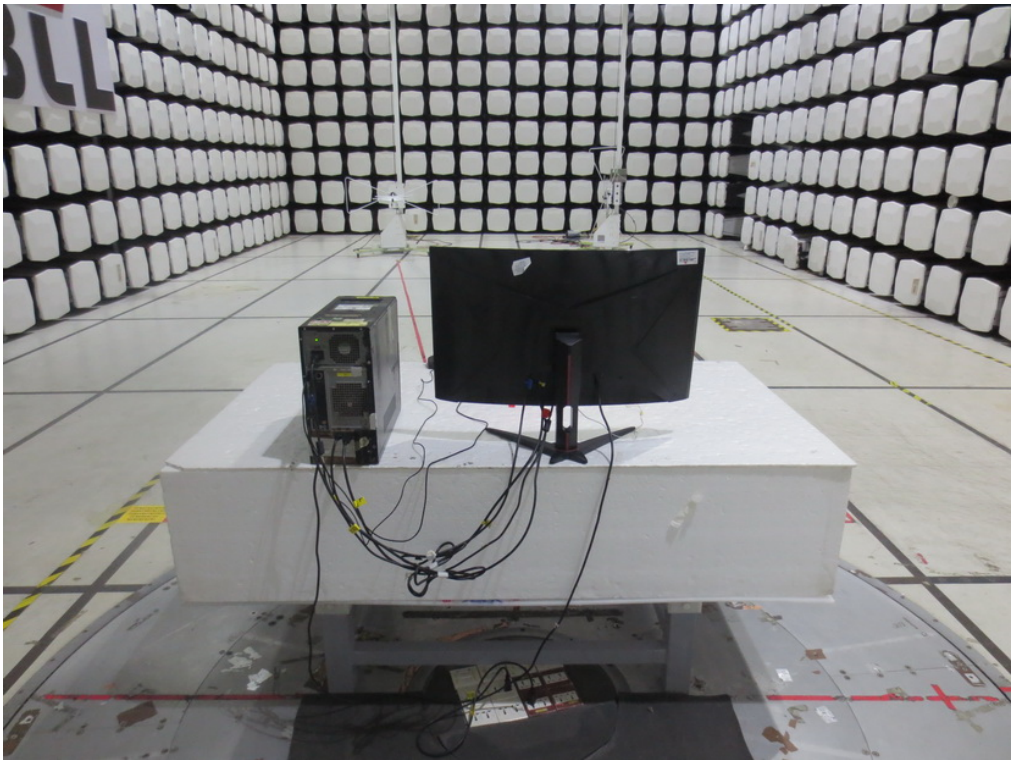


Conducted emissions AC mains power port

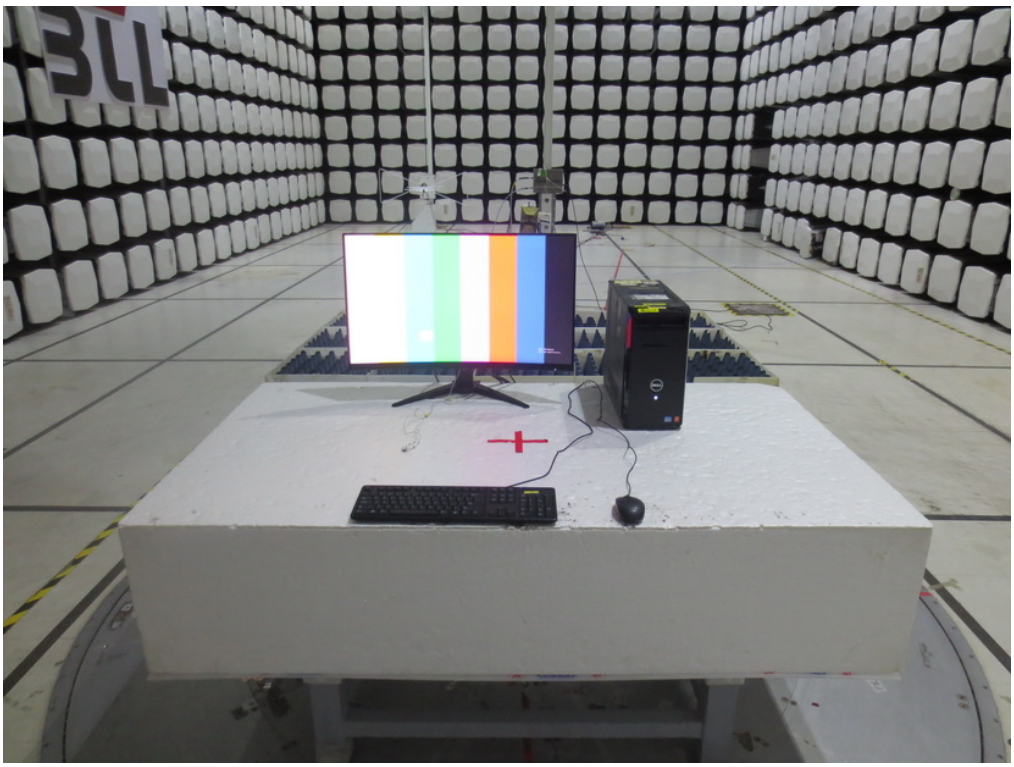
EN 55032:2015+AC:2016

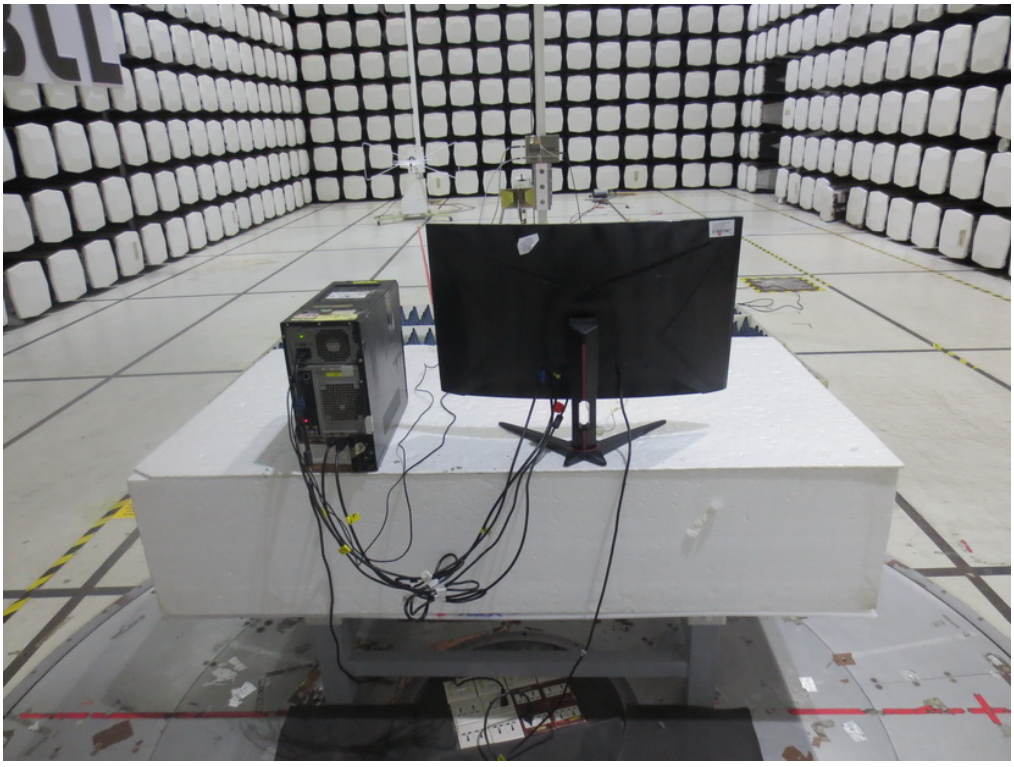
Radiated emissions up to 1 GHz





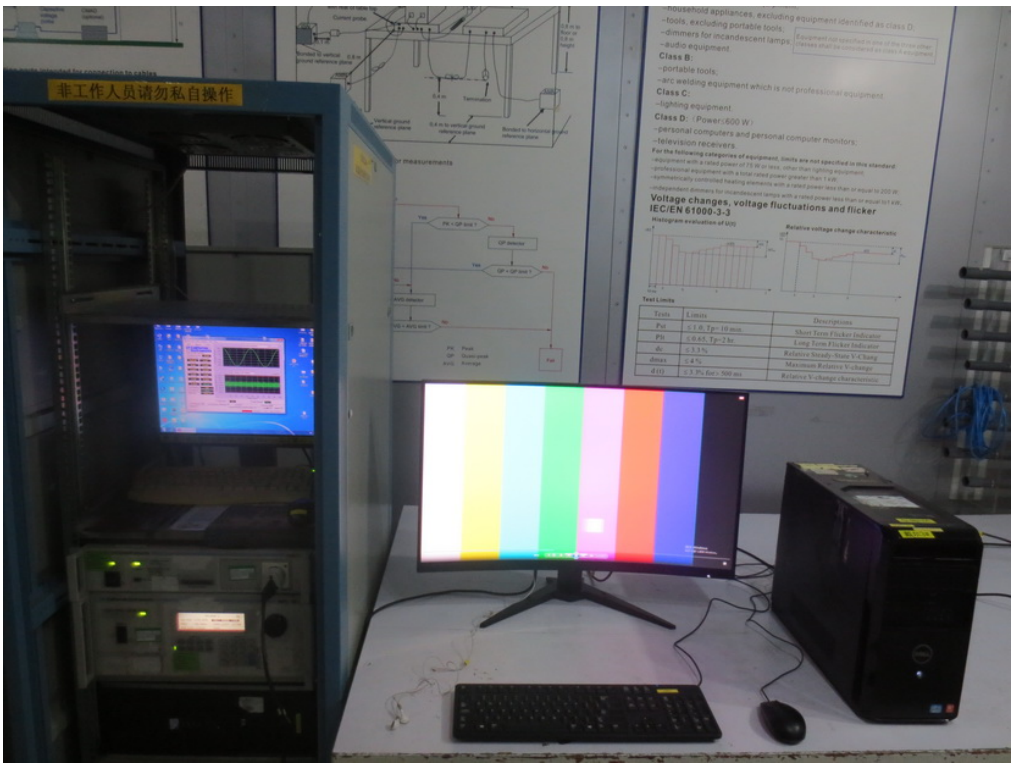
Radiated emissions above 1 GHz



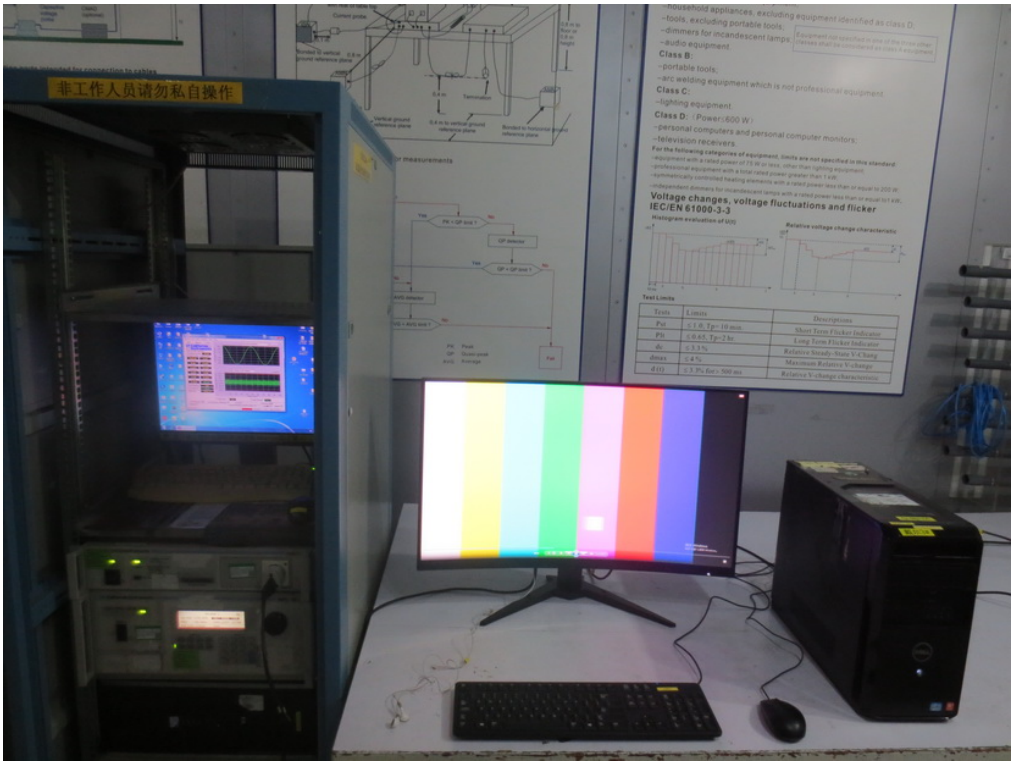


Conducted emissions AC mains power port

Harmonic current emissions



Voltage fluctuations (Flicker)



Electrostatic discharge immunity

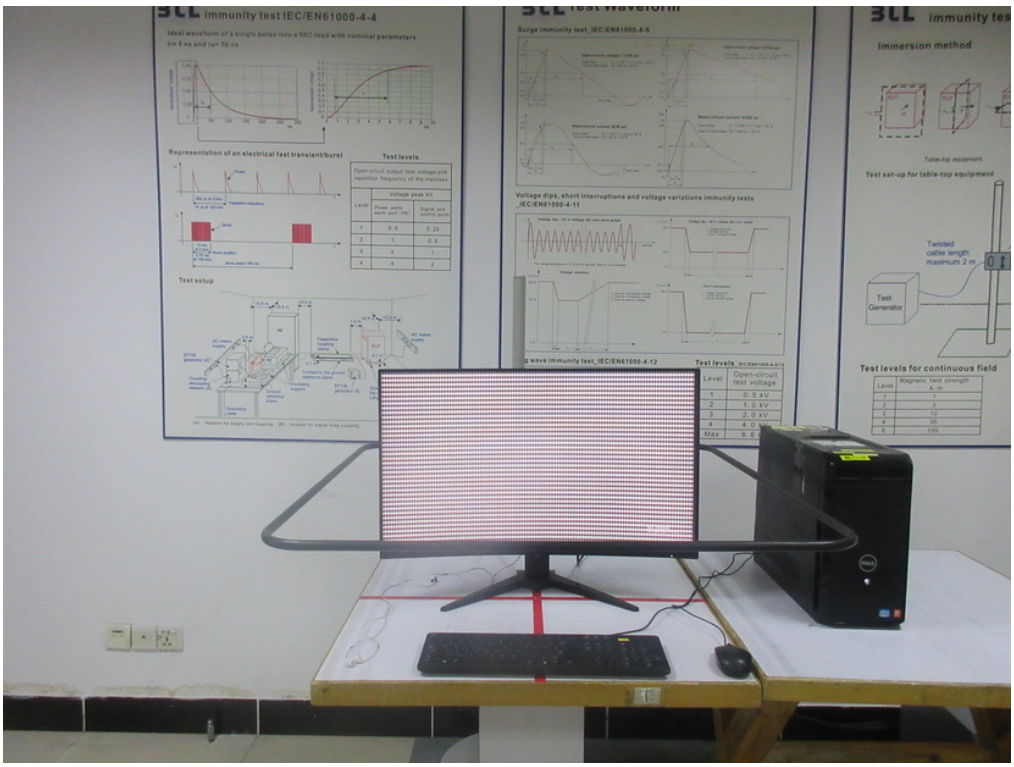
Radiated, radio-frequency, electromagnetic field immunity

Electrical fast transient/burst immunity

Surge immunity

Immunity to conducted disturbances, induced by radio-frequency fields

Power frequency magnetic field immunity



Voltage dips, short interruptions and voltage variations immunity

End of Test Report