



# TECHNICAL COMPLIANCE STATEMENT

This is to certify that the product listed in follows was (were) tested in the BTL EMC Laboratory to comply with the required criteria levels of the follow-mentioned Generic Standards or Product Family Standard(s) and/or Basic Standard(s) based-on the essential conformity requirements of EMC Directive of 2004/108/EC.

**Equipment** LCD Monitor  
**Model Name** (1) 320LM00001; (2) Q3277P\*\*\* (The "\*\*\*" could be any alphanumeric character including blank for marketing differentiation.)  
**Applicant** TPV Electronics ( Fujian ) Co., Ltd  
**Address** Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China  
**Standard(s)** EN 55022: 2010+AC:2011 Class B  
EN 55024: 2010  
EN 61000-3-2: 2006+A1: 2009+A2: 2009 Class D  
EN 61000-3-3: 2013  
AS/NZS CISPR 22:2009+A1:2010 / CISPR 22:2008 Class B  
**Report(s)** BTL-EMC-1-1502C047  
**Date of Issue** Feb. 16, 2015

The test data, data evaluation, and equipment configuration contained in our test report(s) above was(were) obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s). The test data contained in the referenced test report relate only to the EUT sample and item(s) tested.

Steven Lu

Authorized Signatory



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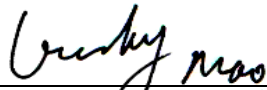
The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

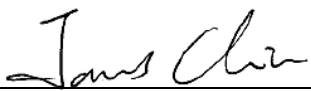


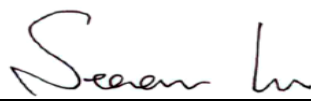
# EMC Test Report

**Project No.** : 1502C047  
**Equipment** : LCD Monitor  
**Model Name** : (1) 320LM00001; (2) Q3277P\*\*\* (The "\*\*\*" could be any alphanumeric character including blank for marketing differentiation.)  
**Applicant** : TPV Electronics (Fujian) Co., Ltd.  
**Address** : Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China

**Date of Receipt** : Oct. 21, 2014  
**Date of Test** : Oct. 21, 2014 ~ Oct. 28, 2014  
**Issued Date** : Feb. 16, 2015  
**Tested by** : BTL Inc.

**Testing Engineer** :   
(Lucky Mao)

**Technical Manager** :   
(James Chiu)

**Authorized Signatory** :   
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**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 the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C.**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

**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.

**BTL's** reports must not be used by the client to claim product endorsement by the authorities or any agency of the Government.

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

**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.

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**REPORT ISSUED HISTORY**

Issued No.	Description	Issued Date
BTL-EMC-1-1410C139	Original Report.	Oct. 31, 2014
BTL-EMC-1-1502C047	Compared with the previous report (BTL-EMC-1-1410C139), brand is deleted, product name, model name and the base of the product are changed which does not affect the test results, the rest are kept the same.	Feb. 16, 2015

## 1. CERTIFICATION

Equipment : LCD Monitor  
Trade Name : N/A  
Model Name : (1) 320LM00001; (2) Q3277P\*\*\* (The "\*\*\*" could be any alphanumeric character including blank for marketing differentiation.)  
Applicant : TPV Electronics (Fujian) Co., Ltd.  
Date of Test : Oct. 21, 2014 ~ Oct. 28, 2014  
Test Sample : ENGINEERING SAMPLE  
Standard(s) : AS/NZS CISPR 22:2009+A1:2010 / CISPR 22:2008 Class B  
EN 55022:2010+AC:2011 Class B  
EN 61000-3-2:2006+A1:2009+A2:2009 Class D  
EN 61000-3-3:2013  
EN 55024:2010  
IEC 61000-4-2: 2008  
IEC 61000-4-3: 2006+A1:2007+A2:2010  
IEC 61000-4-4: 2012  
IEC 61000-4-5: 2005  
IEC 61000-4-6: 2013  
IEC 61000-4-8: 2009  
IEC 61000-4-11: 2004

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-EMC-1-1502C047) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).



## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

EMC Emission				
Standard(s)	Test Item	Limit	Judgment	Remark
EN 55022:2010+AC:2011 AS/NZS CISPR 22: 2009+A1:2010	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	
EN 61000-3-2: 2006+A1:2009+A2:2009	Harmonic Current Emission	Class D	PASS	NOTE (1)
EN 61000-3-3:2013	Voltage Fluctuations & Flicker	-----	PASS	
EMC Immunity (EN 55024:2010)				
Section	Test Item	Performance Criteria	Judgment	Remark
IEC 61000-4-2:2008	Electrostatic Discharge	B	PASS	
IEC 61000-4-3: 2006+A1:2007+A2:2010	RF electromagnetic field	A	PASS	
IEC 61000-4-4:2012	Fast transients	B	PASS	
IEC 61000-4-5:2005	Surges	B	PASS	
IEC 61000-4-6:2013	Injected Current	A	PASS	
IEC 61000-4-8:2009	Power Frequency Magnetic Field	A	PASS	
IEC 61000-4-11:2004	Volt. Interruptions Volt. Dips	B / C / C NOTE (2)	PASS	

### NOTE:

(1) The power consumption of EUT is less than 75W and no Limits apply.

(2) Voltage dip: >95% reduction – Performance Criteria **B**

Voltage dip: 30% reduction – Performance Criteria **C**

Voltage Interruption: >95% reduction – Performance Criteria **C**

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C01/DG-CB08/SR05/CB05/CB06** at the location of No.3, Jinshagang 1st Road, ShiXia, Dalang Town,Dong Guan, China.

## 2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

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

### A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U,(dB)	Note
DG-C01	CISPR	150 kHz ~ 30MHz	3.4	

### B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)	Note
DG-CB08 (10m)	CISPR	30MHz ~ 200MHz	V	4.04	
		30MHz ~ 200MHz	H	4.04	
		200MHz ~ 1,000MHz	V	4.08	
		200MHz ~ 1,000MHz	H	4.02	

Test Site	Method	Measurement Frequency Range	U,(dB)	Note
DG-CB08 (3m)	CISPR	1~6 GHz	4.62	
		6~18 GHz	5.60	

### C. Harmonic/ Flicker Measurement :

Test Site	Method	Test item	U	Note
TR06	IEC 61000-3-2	Voltage	0.774%	
	IEC 61000-3-3	Current	0.782%	

### D. Immunity Measurement :

Test Site	Method	Test item	U	Note
SR02	IEC 61000-4-2	Voltage (2KV/4KV/6KV/8KV/15KV/25KV/30 KV)	1.3%	
		Current	3%	
CB05	IEC 61000-4-3	80MHz~3GHz	2.875	
SR05	IEC 61000-4-4	Impulse Amplitude	4 %	
		Timing	3 %	
SR05	IEC 61000-4-5	Impulse Amplitude	4 %	
		Timing	3 %	
CB06	IEC 61000-4-6	CDN: 150kHz~80MHz	1.988 dB	
		EM Clamp: 150kHz~80MHz	1.777 dB	
TR06	IEC 61000-4-8	Magnetic Field Level	3 %	
SR05	IEC 61000-4-11	Impulse Amplitude	4 %	
		Timing	3 %	

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	LCD Monitor
Trade Name	N/A
Model Name	(1) 320LM00001; (2) Q3277P*** (The "***" could be any alphanumeric character including blank for marketing differentiation.)
Model Difference	Different model distribute to different area.
Product Description	More details of EUT technical specification, please refer to the User's Manual.
Power Source(Adapter)	AC Mains.
Power Rating	I/P AC 100-240V 50-60Hz 1.5A
Connecting I/O Port(s)	Please refer to the User's Manual

Cable Type	Shielded Type	Ferrite Core	Length(m)	Note
D-SUB	Shielded	YES	1.5/1.8	Bonded two Ferrite Cores
DVI	Shielded	YES	1.5/1.8	Bonded two Ferrite Cores
Display	Shielded	NO	1.5/1.8	
HDMI	Shielded	NO	1.5/1.8	
AC Power Cord	Non-shielded	NO	1.5/1.8	<b>1.8m is worst case</b> 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 and 1.5m length, worst case is Power cable 1.8m with D-SUB+DVI+Display+HDMI +MHL+Audio 1.8m and 1.5m length testing and recording in test report.
3. The EUT's operating frequency is 241.5MHz.

### 3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	D-SUB 1920*1080 60Hz
Mode 2	D-SUB 1280*1024 75Hz
Mode 3	D-SUB 640*480 60Hz
Mode 4	DVI 2560*1440/60Hz
Mode 5	DVI 1920*1080/60Hz
Mode 6	DVI 640*480 60Hz
Mode 7	Display 2560*1440/60Hz
Mode 8	Display 1920*1080/60Hz
Mode 9	Display 640*480/60Hz
Mode 10	HDMI 2560*1440/60Hz
Mode 11	HDMI 1920*1080/60Hz
Mode 12	HDMI 640*480 60Hz
Mode 13	MHL 1080P 30Hz

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

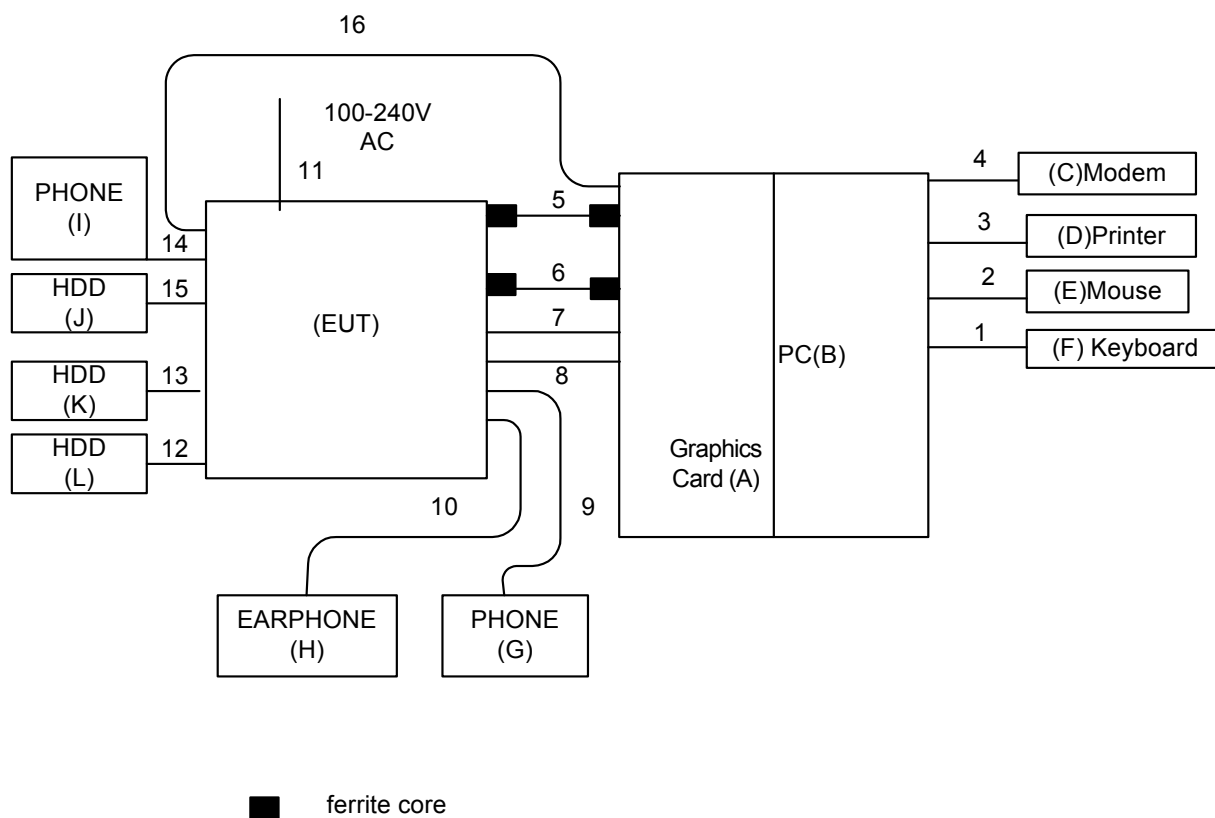
For Conducted Test	
Pretest Mode	Description
Mode 1	D-SUB 1920*1080 60Hz
Mode 2	D-SUB 1280*1024 75Hz
Mode 3	D-SUB 640*480 60Hz
Mode 4	DVI 2560*1440/60Hz
Mode 5	DVI 1920*1080/60Hz
Mode 6	DVI 640*480 60Hz
Mode 7	Display 2560*1440/60Hz
Mode 8	Display 1920*1080/60Hz
Mode 9	Display 640*480/60Hz
Mode 10	HDMI 2560*1440/60Hz
Mode 11	HDMI 1920*1080/60Hz
Mode 12	HDMI 640*480 60Hz
Mode 13	MHL 1080P 30Hz

<b>For Radiated Test</b>	
<b>Pretest Mode</b>	<b>Description</b>
Mode 1	D-SUB 1920*1080 60Hz
Mode 2	D-SUB 1280*1024 75Hz
Mode 3	D-SUB 640*480 60Hz
Mode 4	DVI 2560*1440/60Hz
Mode 5	DVI 1920*1080/60Hz
Mode 6	DVI 640*480 60Hz
Mode 7	Display 2560*1440/60Hz
Mode 8	Display 1920*1080/60Hz
Mode 9	Display 640*480/60Hz
Mode 10	HDMI 2560*1440/60Hz
Mode 11	HDMI 1920*1080/60Hz
Mode 12	HDMI 640*480 60Hz
Mode 13	MHL 1080P 30Hz

<b>For Harmonics / Flicks Test</b>	
<b>Final Test Mode</b>	<b>Description</b>
Mode 4	DVI 2560*1440/60Hz

<b>For EMS Test</b>	
<b>Final Test Mode</b>	<b>Description</b>
Mode 4	DVI 2560*1440/60Hz

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



### 3.4 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
A	VGA Card	LEADTEK	LR2A5F	DOC	ALF7100123952	
B	PC	DELL 320	DCSM	DOC	J4JQ52X	
C	Modem	ACEEX	DM-1414V	IFAXDM1414	0603002131	
D	Printer	SII	DPU-414	DOC	3018507 B	
E	USB Mouse	DELL	MO28UOL	DOC	23-122591	
F	USB Keyboard	DELL	SK-8815(L)	DOC	00975811	
G	PHONE	SUNSAMG	NOTE	N/A	N/A	
H	EARPHONE	APPLE	NA	NA	NA	
I	PHONE	SUNSAMG	SHM 1500K-93	DOC	N/A	
J	USB3.0 HDD	TOSHIBA	PA3960L-1E0T	DOC	N/A	
K	USB3.0 HDD	TOSHIBA	PA3960L-1E0T	DOC	N/A	
L	USB3.0 HDD	TOSHIBA	PA3960L-1E0T	DOC	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	NO	1.2m	USB Cable
2	YES	NO	1m	USB Cable
3	YES	NO	1.2m	Parallel Cable
4	YES	NO	1m	RS232 Cable
5	YES	YES	1.8/1.5m	DVI Cable
6	YES	YES	1.8/1.5m	D-SUB Cable
7	YES	NO	1.8/1.5m	DP Cable
8	NO	NO	1.8/1.5m	AUDIO Cable
9	YES	NO	1.8/1.5m	MHL Cable
10	NO	NO	1.8/1.5m	AUDIO Cable
11	NO	NO	1.8/1.5m	AC Main Cable
12	YES	NO	1.5m	USB Cable
13	YES	NO	1.5m	USB Cable
14	NO	NO	1.5m	AUDIO Cable
15	YES	NO	1.5m	USB Cable
16	YES	NO	1.8m	USB Cable

**Note:**

- (1) The support equipment was authorized by Declaration of Conformity.
- (2) For detachable type I/O cable should be specified the length in m in 『Length』 column.



## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

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

Note:

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

#### 4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Jan. 09, 2015
2	LISN	R&S	ENV216	100526	Feb. 25, 2015
3	Test Cable	N/A	RG400 12m	N/A	Mar. 14, 2015
4	EMI Test Receiver	R&S	ESCS30	826547/022	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 29, 2015
6	Measurement Software	Fara	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

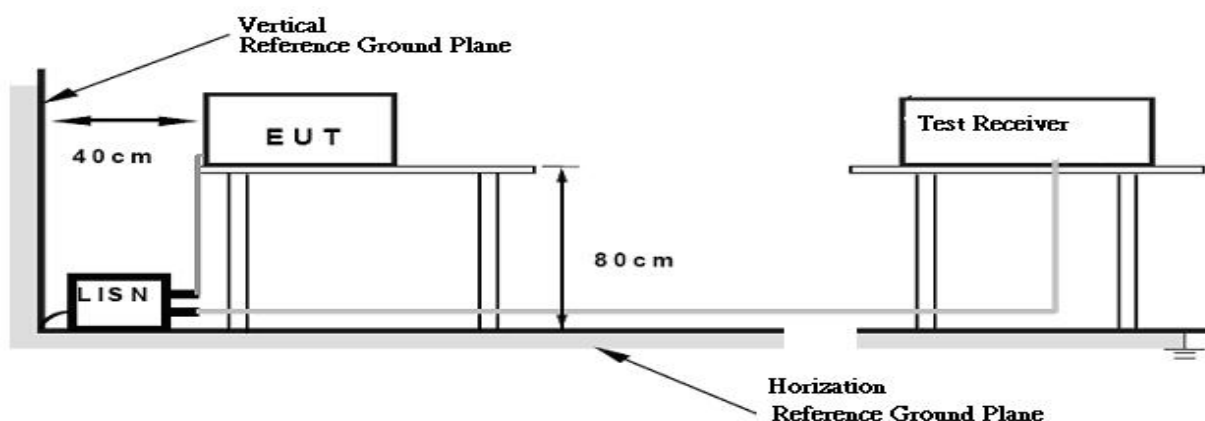
#### 4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50U<sub>h</sub> 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.

#### 4.1.4 DEVIATION FROM TEST STANDARD

No deviation

#### 4.1.5 TEST SETUP



#### 4.1.6 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 program contained on a PC hard disk and is auto-starting on power-up. Once loaded, the program sequentially exercises each system component in turn. The sequence used is:

1. Read (write) from (to) mass storage device.
2. Send " H " pattern to parallel port device (Printer).
3. Send " H " pattern to serial port device (Modem).
4. EUT Connected to earphone / phone via Audio Cable.
5. EUT Connected to phone via MHL cable.
6. Repeated from 2 to 5 continuously.

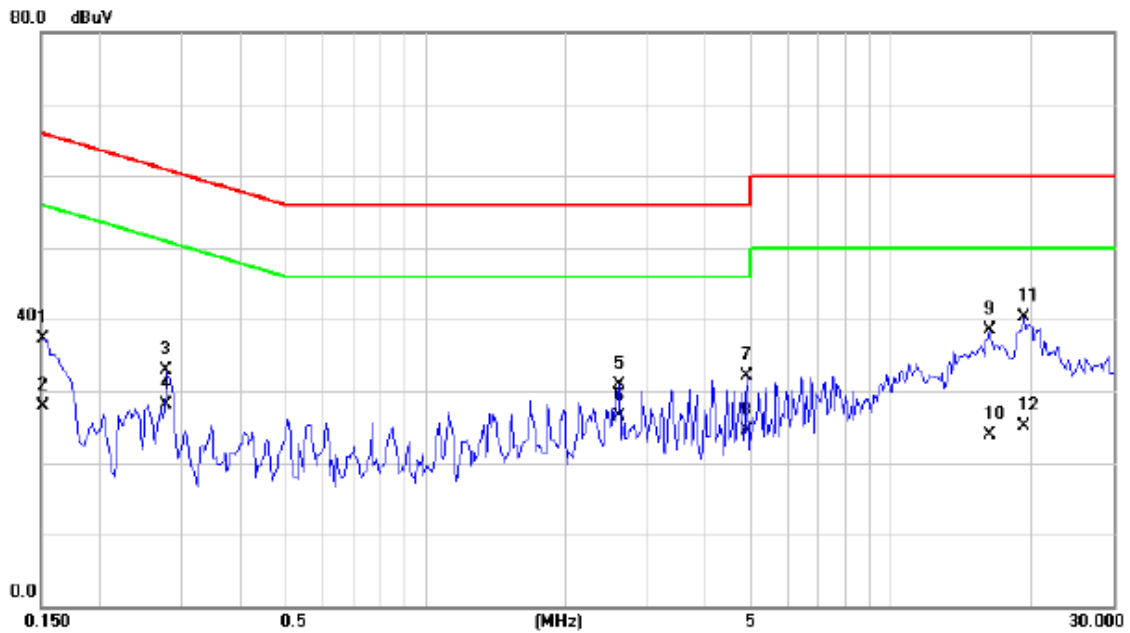
As the keyboard and mouse are strictly input devices, no data is transmitted to (from) them during test. They are, however, continuously scanned for data input activity.

#### 4.1.7 TEST RESULTS

##### Remark

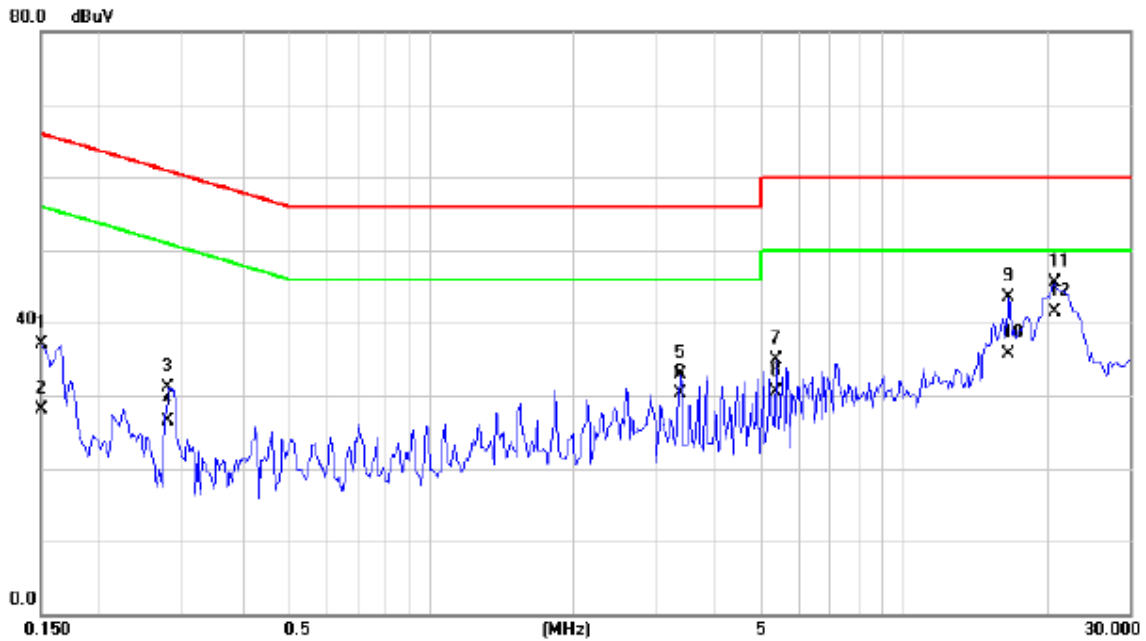
- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz ◦  
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 sec./MHz ◦
- (2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform ◦ In this case, a “ \* ” marked in AVG Mode column of Interference Voltage Measured ◦
- (3) Measuring frequency range from 150KHz to 30MHz ◦

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1920*1080 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Line
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	27.69	9.52	37.21	66.00	-28.79	QP	
2		0.1500	18.30	9.52	27.82	56.00	-28.18	AVG	
3		0.2790	23.31	9.58	32.89	60.85	-27.96	QP	
4		0.2790	18.60	9.58	28.18	50.85	-22.67	AVG	
5		2.6110	21.19	9.74	30.93	56.00	-25.07	QP	
6	*	2.6110	16.70	9.74	26.44	46.00	-19.56	AVG	
7		4.9141	22.23	9.87	32.10	56.00	-23.90	QP	
8		4.9141	14.60	9.87	24.47	46.00	-21.53	AVG	
9		16.2734	28.28	10.29	38.57	60.00	-21.43	QP	
10		16.2734	13.60	10.29	23.89	50.00	-26.11	AVG	
11		19.3398	29.97	10.43	40.40	60.00	-19.60	QP	
12		19.3398	14.60	10.43	25.03	50.00	-24.97	AVG	

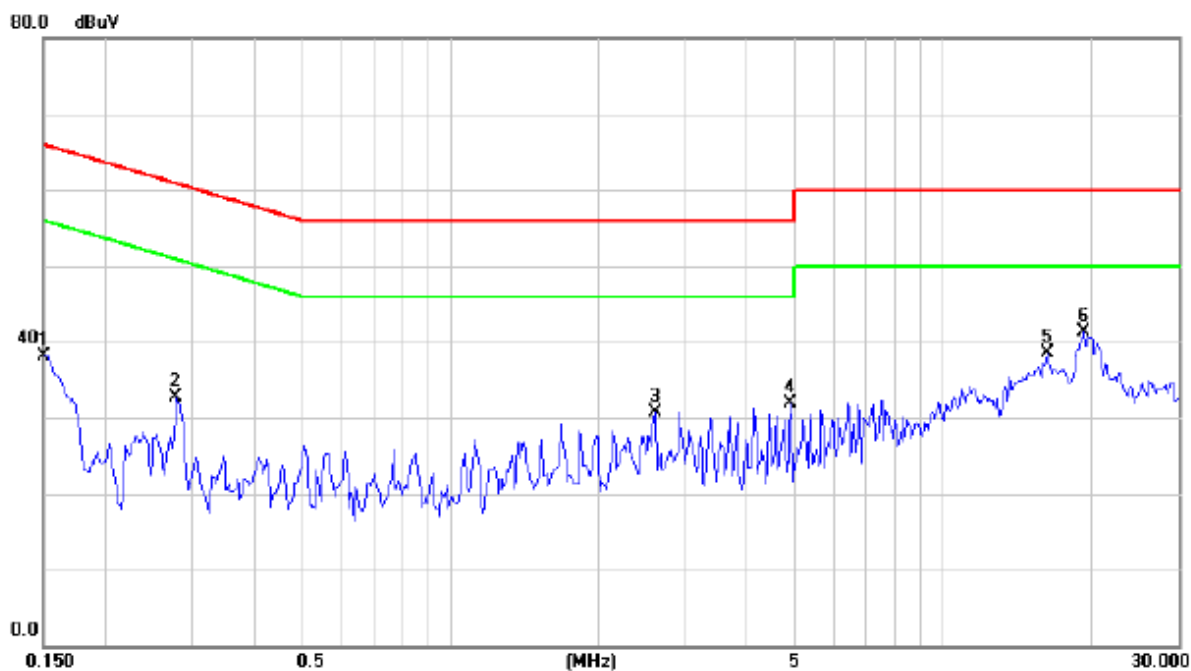
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1920*1080 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Neutral
Test Engineer :	Lucky Mao		



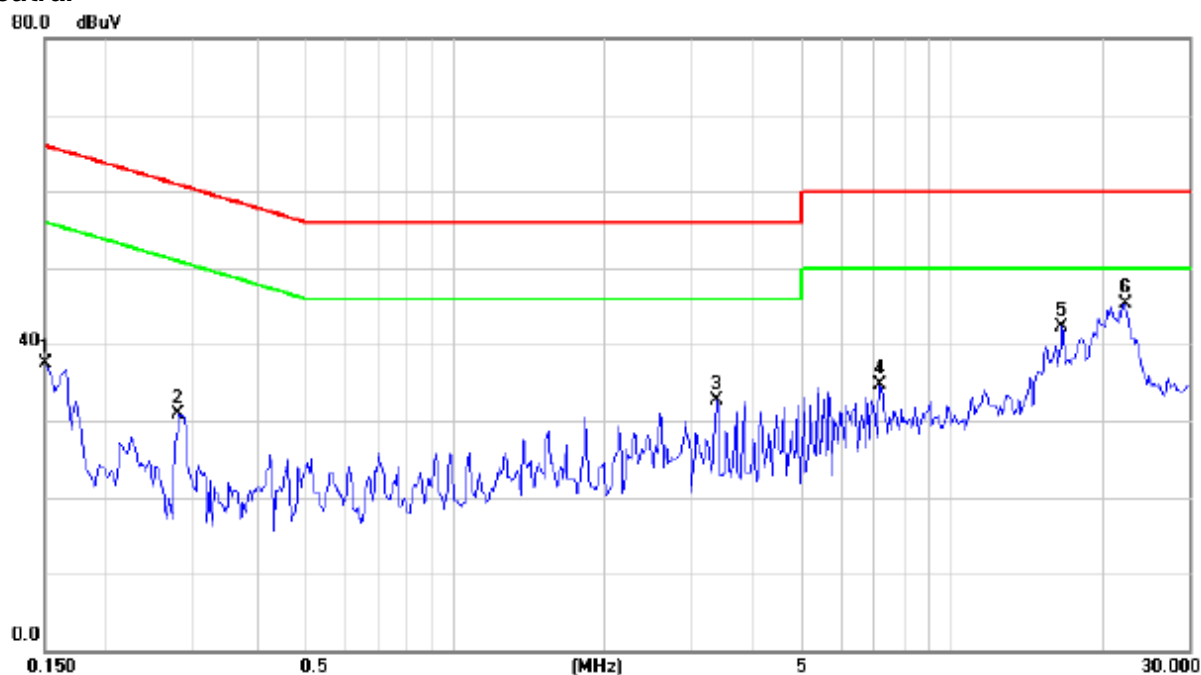
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1500	27.47	9.63	37.10	66.00	-28.90	QP	
2		0.1500	18.50	9.63	28.13	56.00	-27.87	AVG	
3		0.2790	21.39	9.62	31.01	60.85	-29.84	QP	
4		0.2790	16.90	9.62	26.52	50.85	-24.33	AVG	
5		3.3750	23.16	9.80	32.96	56.00	-23.04	QP	
6		3.3750	20.50	9.80	30.30	46.00	-15.70	AVG	
7		5.3711	25.07	9.89	34.96	60.00	-25.04	QP	
8		5.3711	20.60	9.89	30.49	50.00	-19.51	AVG	
9		16.7227	33.14	10.33	43.47	60.00	-16.53	QP	
10		16.7227	25.30	10.33	35.63	50.00	-14.37	AVG	
11		20.8633	35.06	10.51	45.57	60.00	-14.43	QP	
12	*	20.8633	30.90	10.51	41.41	50.00	-8.59	AVG	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1280*1024 75Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Line**

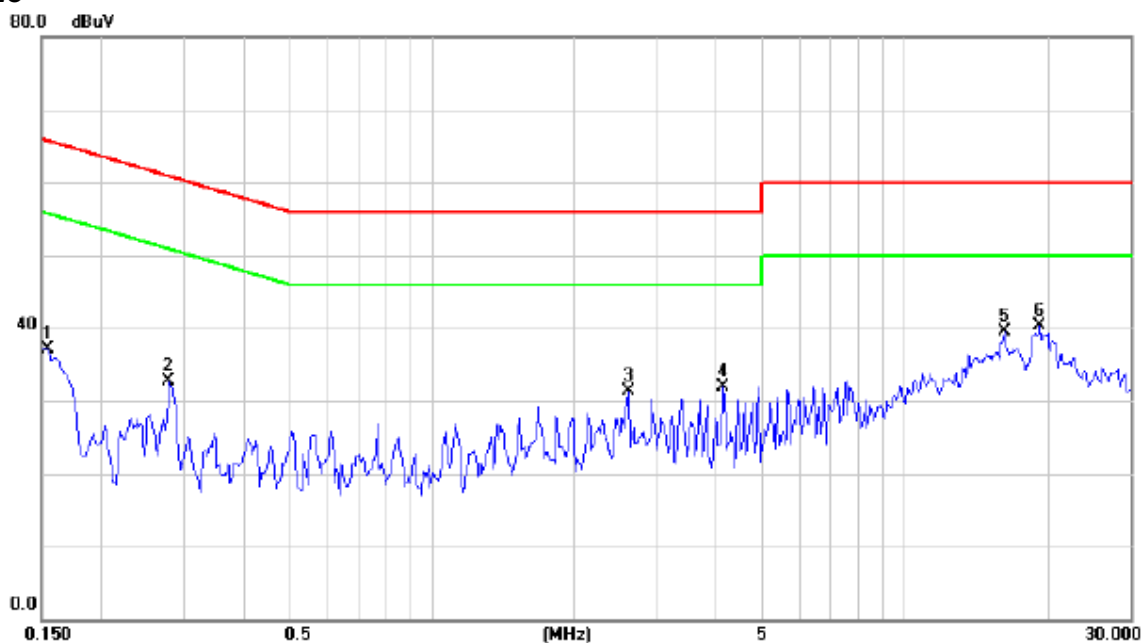


**Neutral**

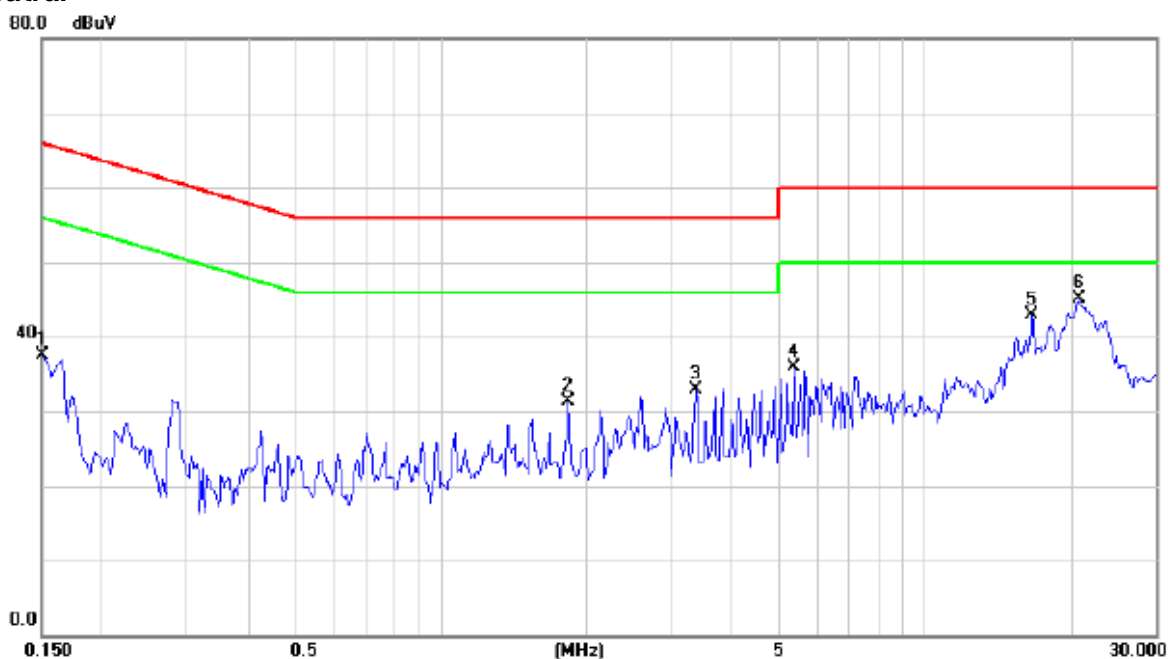


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 640*480 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

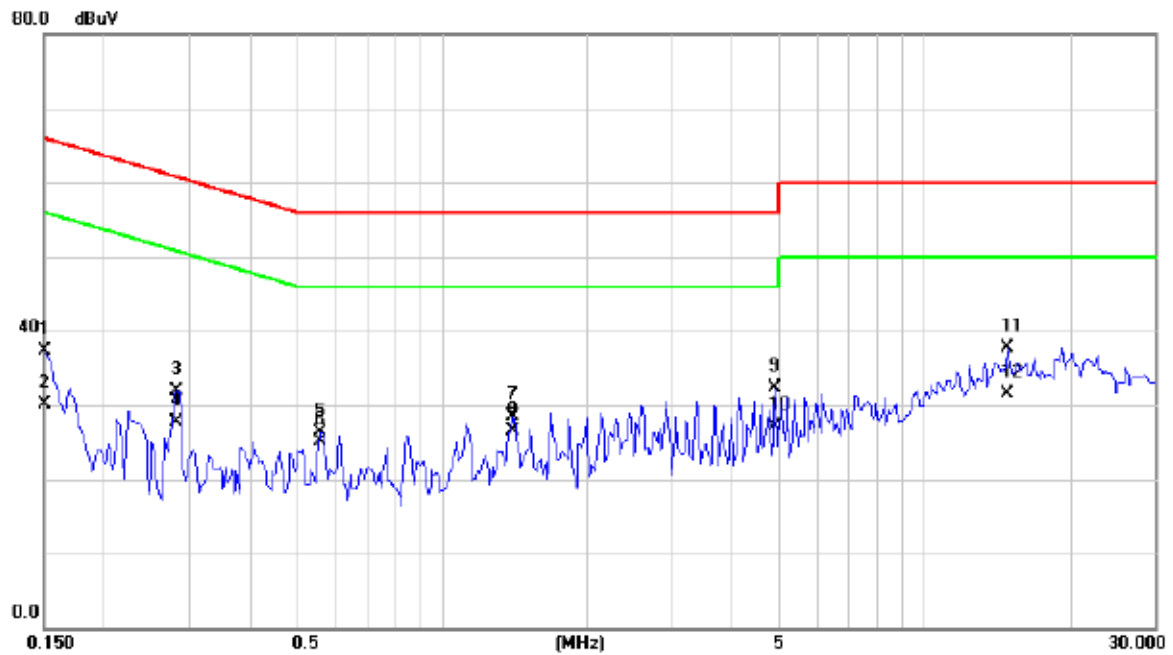
**Line**



**Neutral**



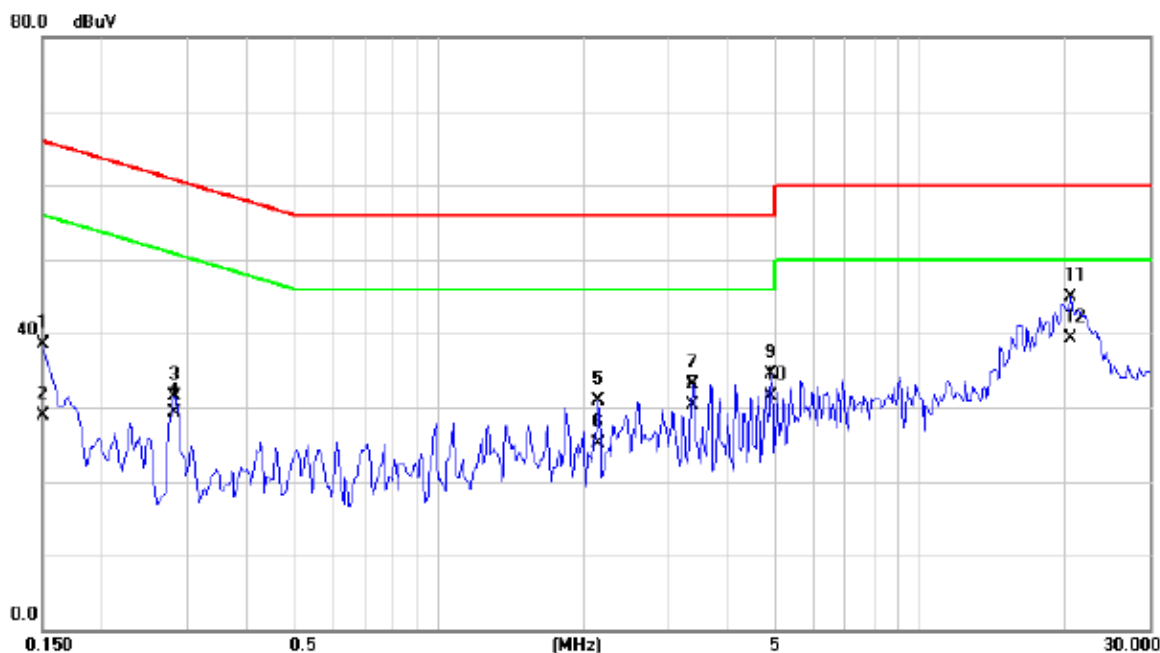
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Line
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	27.79	9.52	37.31	66.00	-28.69	QP	
2		0.1500	20.60	9.52	30.12	56.00	-25.88	AVG	
3		0.2828	22.24	9.59	31.83	60.73	-28.90	QP	
4		0.2828	18.20	9.59	27.79	50.73	-22.94	AVG	
5		0.5640	16.66	9.68	26.34	56.00	-29.66	QP	
6		0.5641	15.40	9.68	25.08	46.00	-20.92	AVG	
7		1.4078	18.76	9.71	28.47	56.00	-27.53	QP	
8		1.4078	16.70	9.71	26.41	46.00	-19.59	AVG	
9		4.9101	22.51	9.87	32.38	56.00	-23.62	QP	
10		4.9102	17.20	9.87	27.07	46.00	-18.93	AVG	
11		14.8790	27.39	10.23	37.62	60.00	-22.38	QP	
12	*	14.8790	21.30	10.23	31.53	50.00	-18.47	AVG	



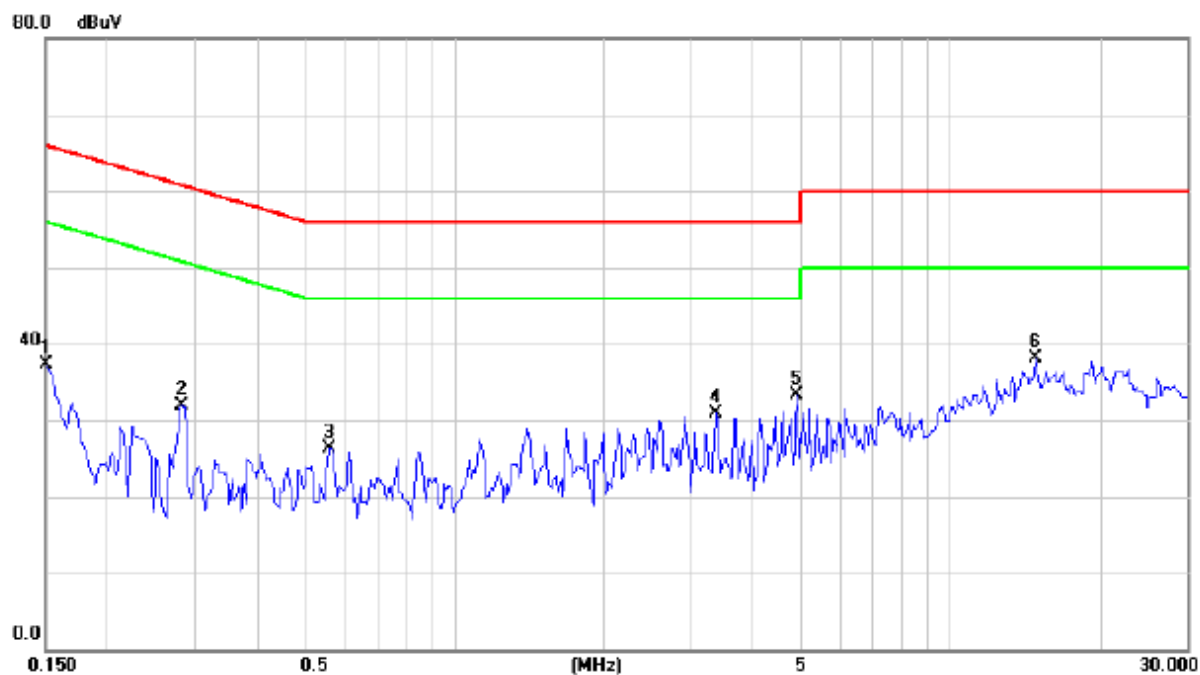
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Neutral
Test Engineer :	Lucky Mao		



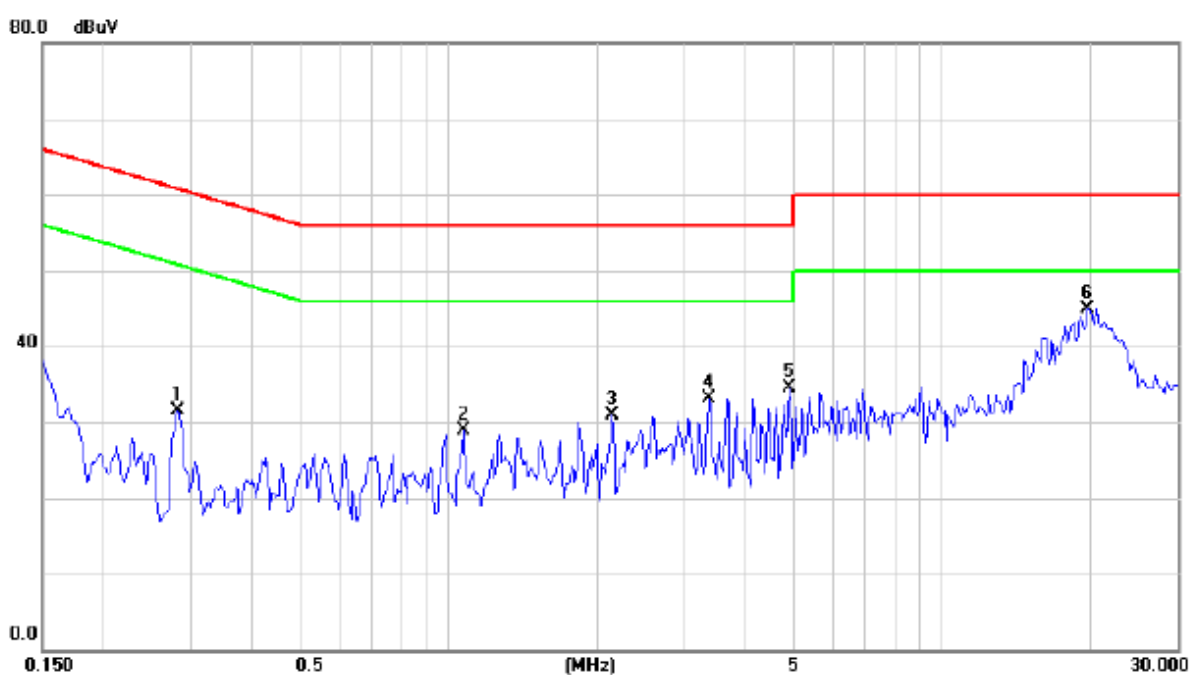
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	28.91	9.63	38.54	66.00	-27.46	QP	
2		0.1500	19.20	9.63	28.83	56.00	-27.17	AVG	
3		0.2828	21.96	9.62	31.58	60.73	-29.15	QP	
4		0.2828	19.60	9.62	29.22	50.73	-21.51	AVG	
5		2.1500	21.24	9.75	30.99	56.00	-25.01	QP	
6		2.1500	15.30	9.75	25.05	46.00	-20.95	AVG	
7		3.3750	23.34	9.80	33.14	56.00	-22.86	QP	
8		3.3750	20.50	9.80	30.30	46.00	-15.70	AVG	
9		4.9102	24.65	9.88	34.53	56.00	-21.47	QP	
10		4.9102	21.70	9.88	31.58	46.00	-14.42	AVG	
11		20.5586	34.41	10.48	44.89	60.00	-15.11	QP	
12	*	20.5586	28.90	10.48	39.38	50.00	-10.62	AVG	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 1920*1080/60Hz1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Line

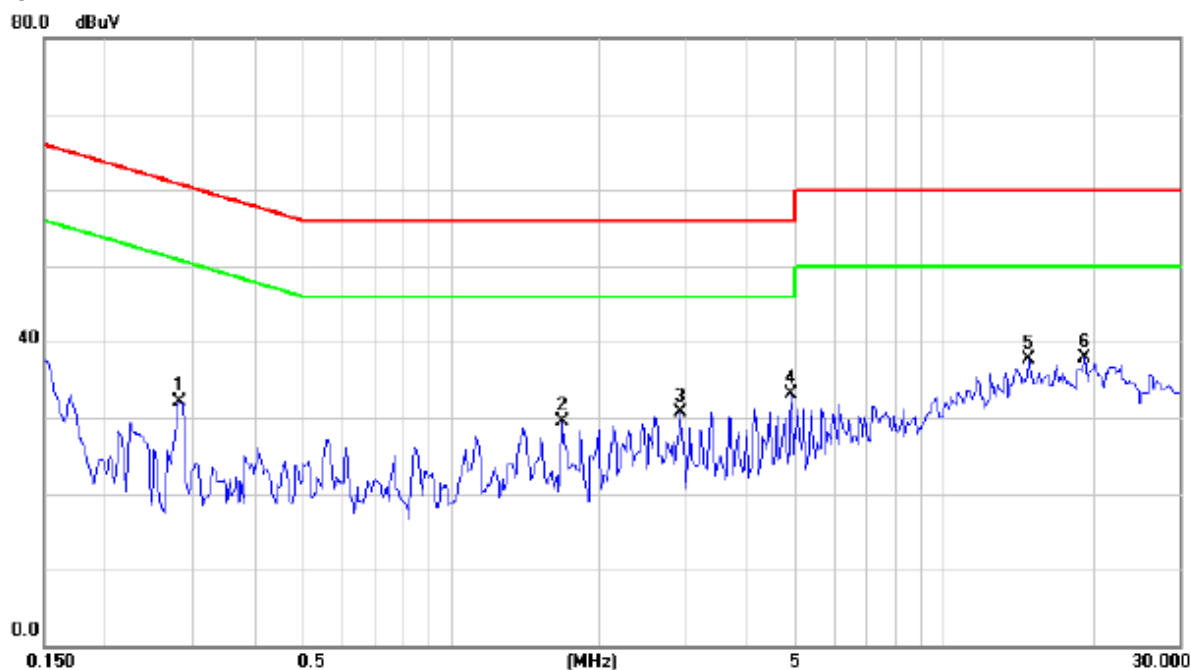


### Neutral

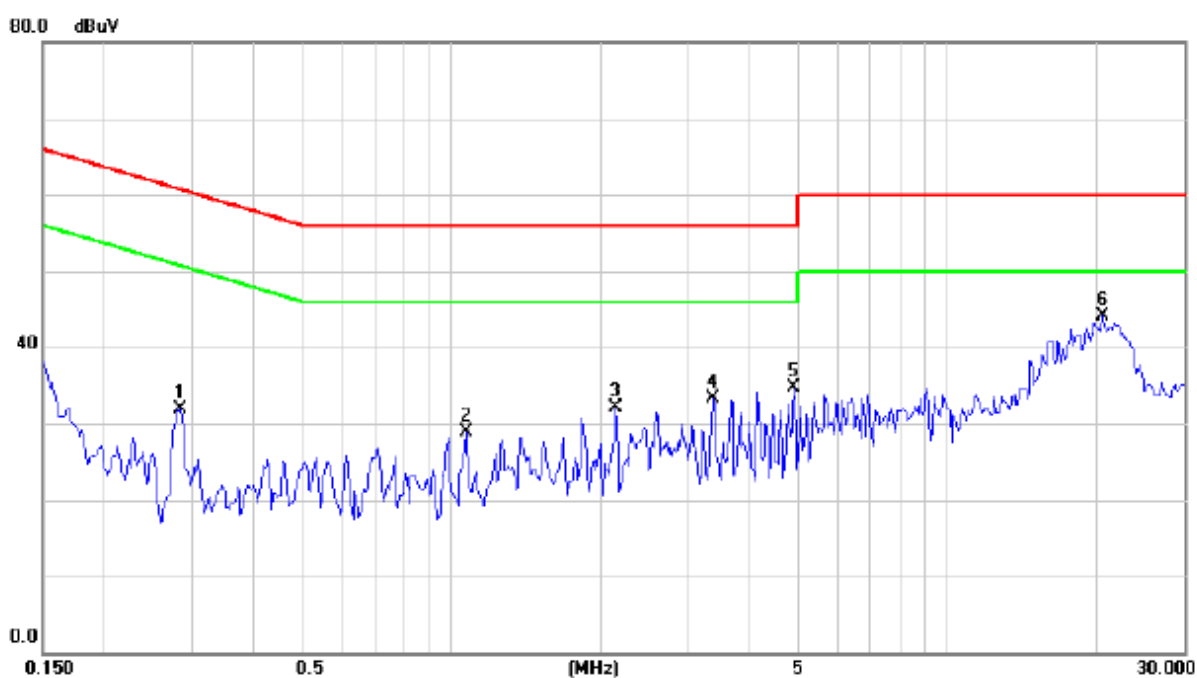


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 640*480 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

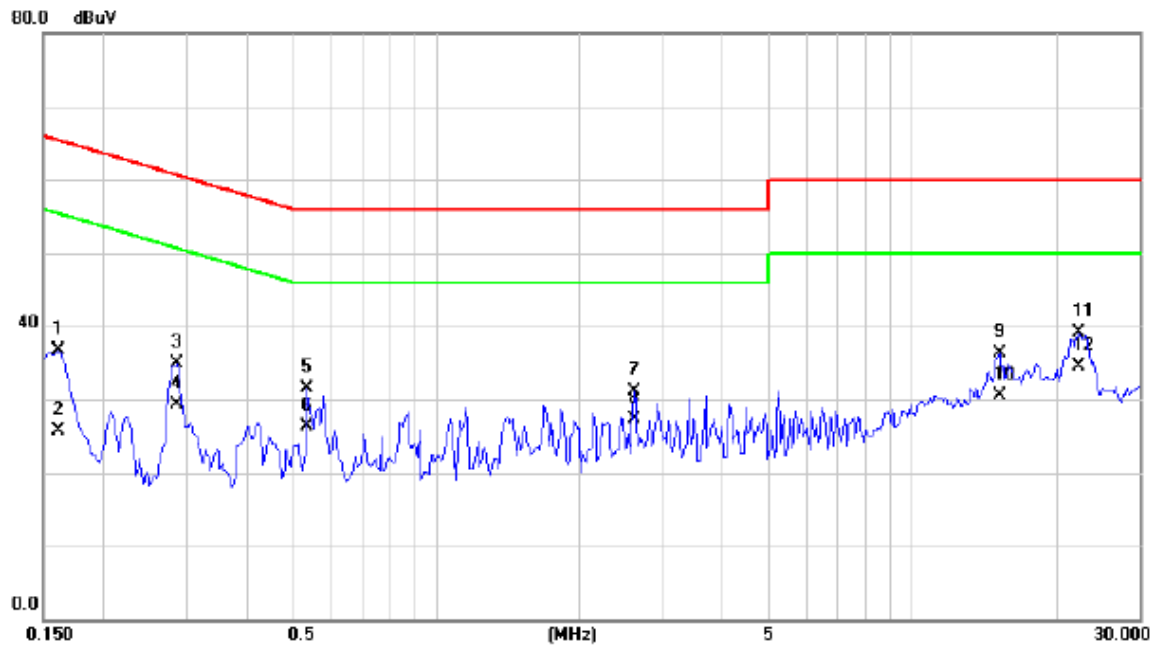
**Line**



**Neutral**

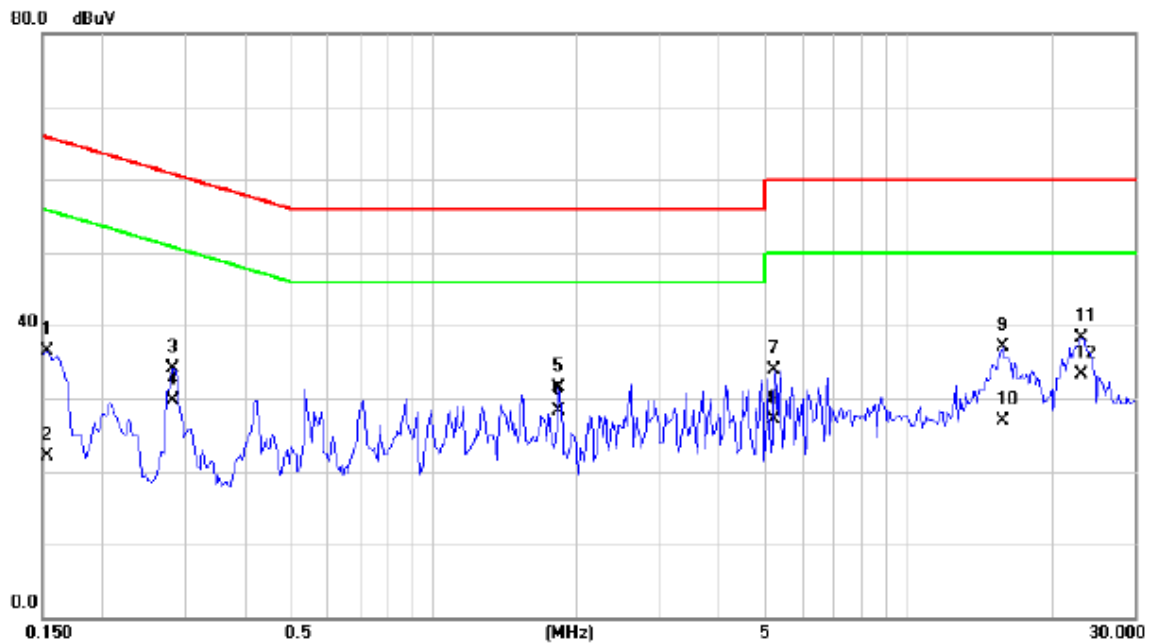


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Line
Test Engineer :	Lucky Mao		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1617	27.14	9.52	36.66	65.38	-28.72	QP	
2	0.1617	16.10	9.52	25.62	55.38	-29.76	AVG	
3	0.2867	25.28	9.56	34.84	60.62	-25.78	QP	
4	0.2867	19.80	9.56	29.36	50.62	-21.26	AVG	
5	0.5367	21.94	9.59	31.53	56.00	-24.47	QP	
6	0.5367	16.70	9.59	26.29	46.00	-19.71	AVG	
7	2.6148	21.34	9.76	31.10	56.00	-24.90	QP	
8	2.6148	17.50	9.76	27.26	46.00	-18.74	AVG	
9	15.2266	26.06	10.33	36.39	60.00	-23.61	QP	
10	15.2266	20.10	10.33	30.43	50.00	-19.57	AVG	
11	22.4570	28.62	10.46	39.08	60.00	-20.92	QP	
12 *	22.4570	24.10	10.46	34.56	50.00	-15.44	AVG	

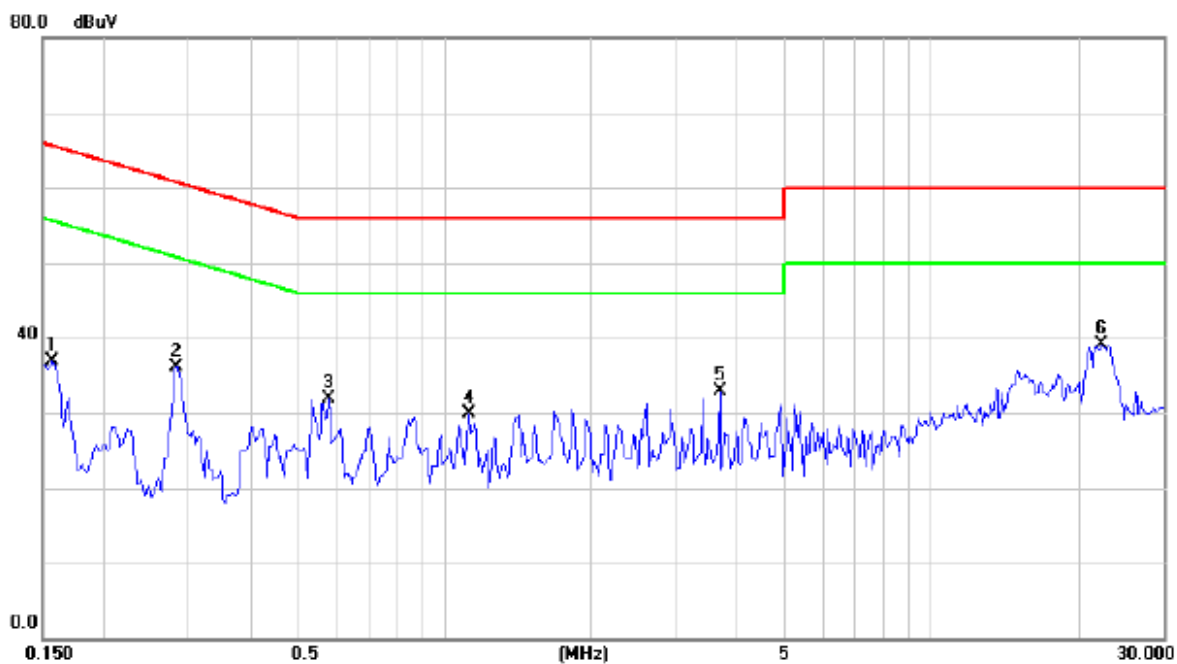
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Neutral
Test Engineer :	Lucky Mao		



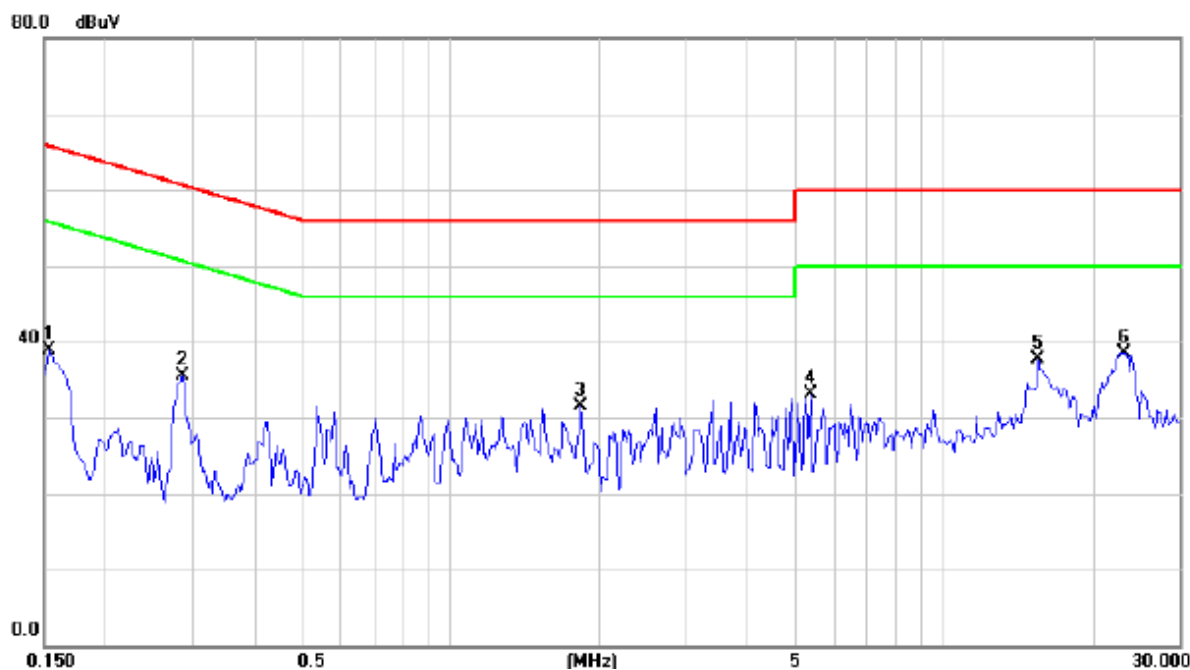
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1540	26.92	9.52	36.44	65.78	-29.34	QP	
2		0.1540	12.60	9.52	22.12	55.78	-33.66	AVG	
3		0.2828	24.56	9.55	34.11	60.73	-26.62	QP	
4		0.2828	20.10	9.55	29.65	50.73	-21.08	AVG	
5		1.8453	21.78	9.69	31.47	56.00	-24.53	QP	
6		1.8453	18.60	9.69	28.29	46.00	-17.71	AVG	
7		5.2305	24.08	9.89	33.97	60.00	-26.03	QP	
8		5.2305	17.30	9.89	27.19	50.00	-22.81	AVG	
9		15.8398	26.64	10.50	37.14	60.00	-22.86	QP	
10		15.8398	16.40	10.50	26.90	50.00	-23.10	AVG	
11		23.2266	27.56	10.75	38.31	60.00	-21.69	QP	
12	*	23.2266	22.50	10.75	33.25	50.00	-16.75	AVG	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 1920*1080/60Hz1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Line**

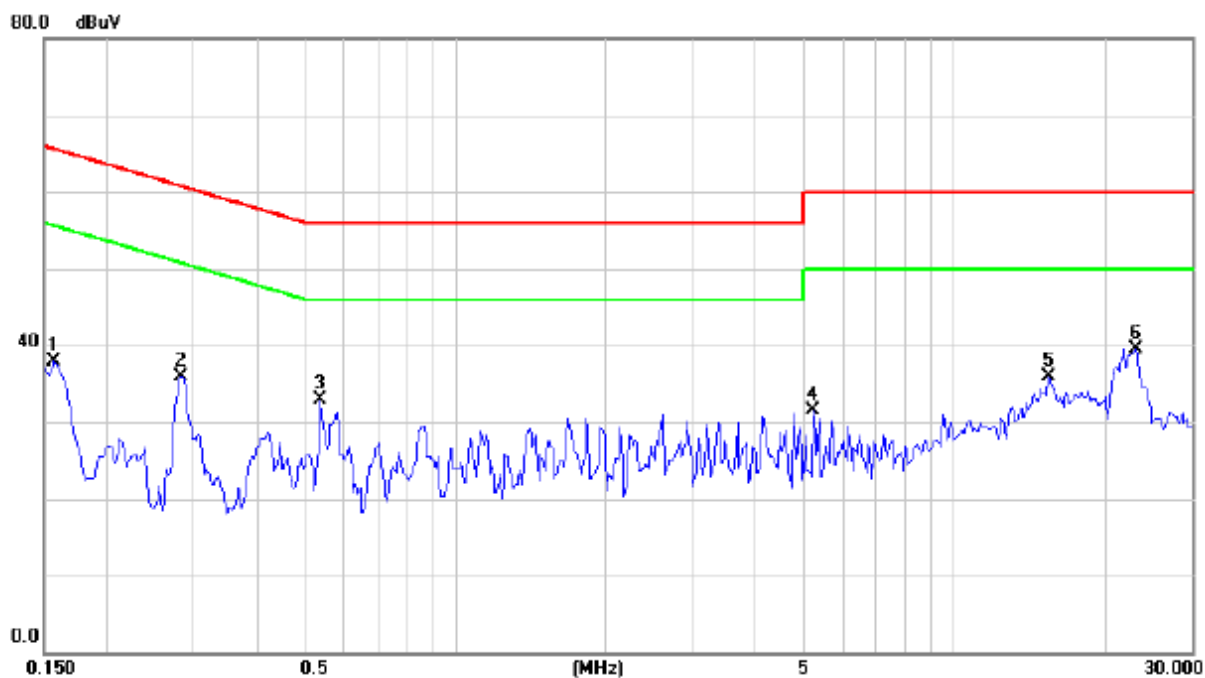


**Neutral**

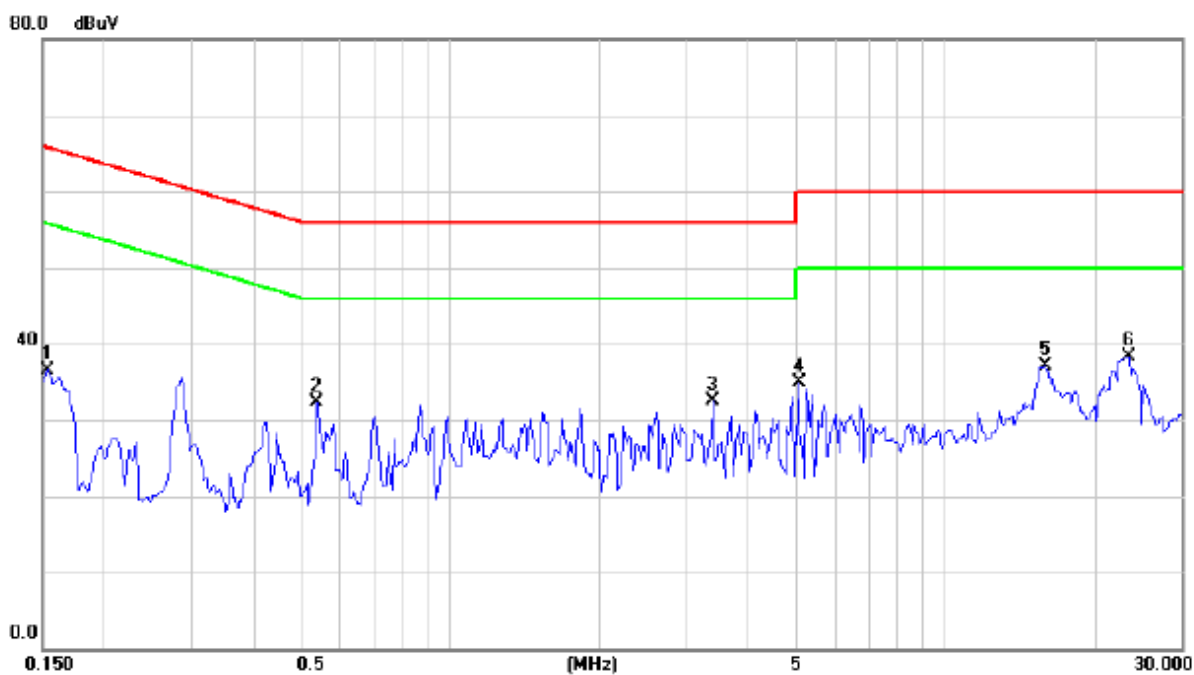


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 640*480 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

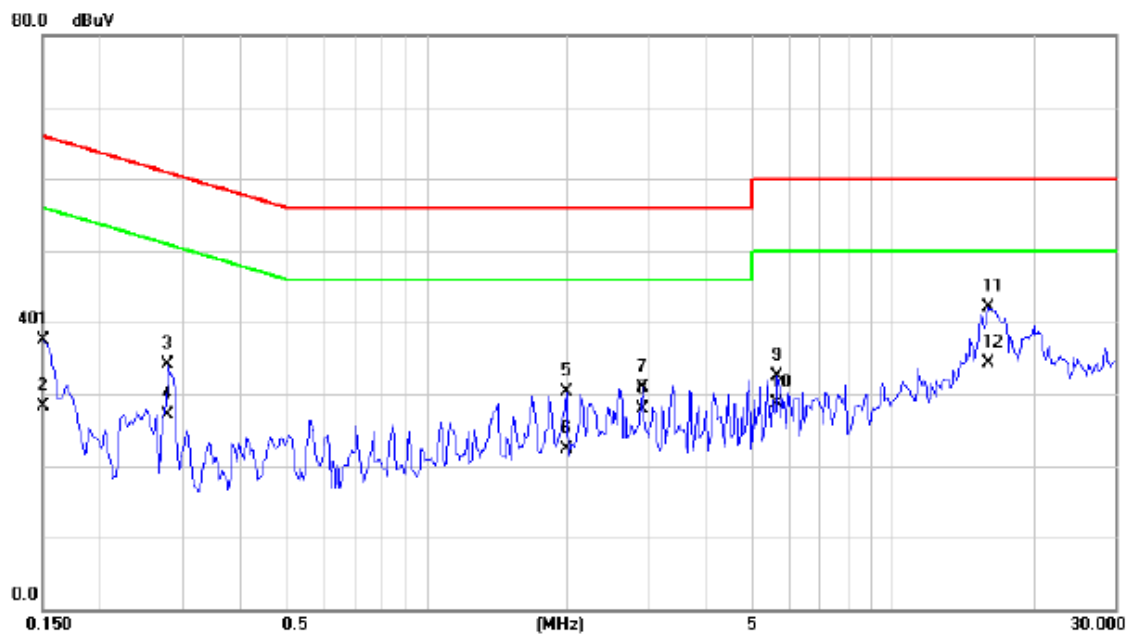
### Line



### Neutral



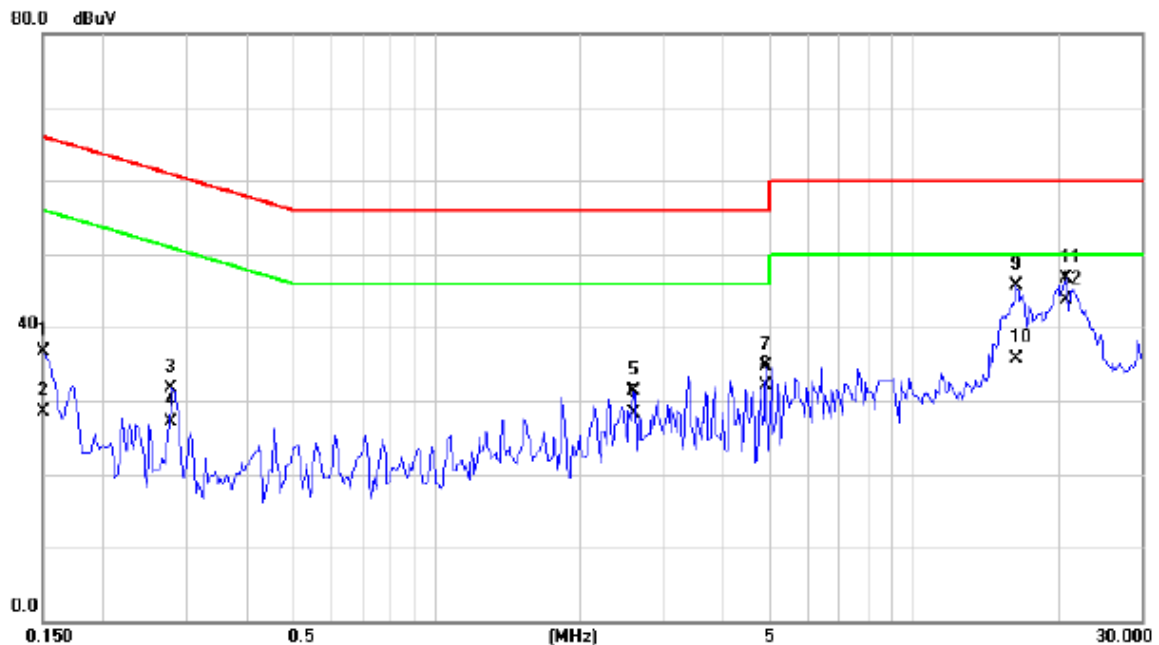
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Line
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	28.02	9.52	37.54	66.00	-28.46	QP	
2		0.1500	18.70	9.52	28.22	56.00	-27.78	AVG	
3		0.2790	24.57	9.58	34.15	60.85	-26.70	QP	
4		0.2790	17.60	9.58	27.18	50.85	-23.67	AVG	
5		1.9937	20.50	9.71	30.21	56.00	-25.79	QP	
6		1.9937	12.50	9.71	22.21	46.00	-23.79	AVG	
7		2.9117	21.09	9.76	30.85	56.00	-25.15	QP	
8		2.9117	18.10	9.76	27.86	46.00	-18.14	AVG	
9		5.6720	22.58	9.91	32.49	60.00	-27.51	QP	
10		5.6720	18.70	9.91	28.61	50.00	-21.39	AVG	
11		16.0977	31.74	10.28	42.02	60.00	-17.98	QP	
12	*	16.0977	24.10	10.28	34.38	50.00	-15.62	AVG	



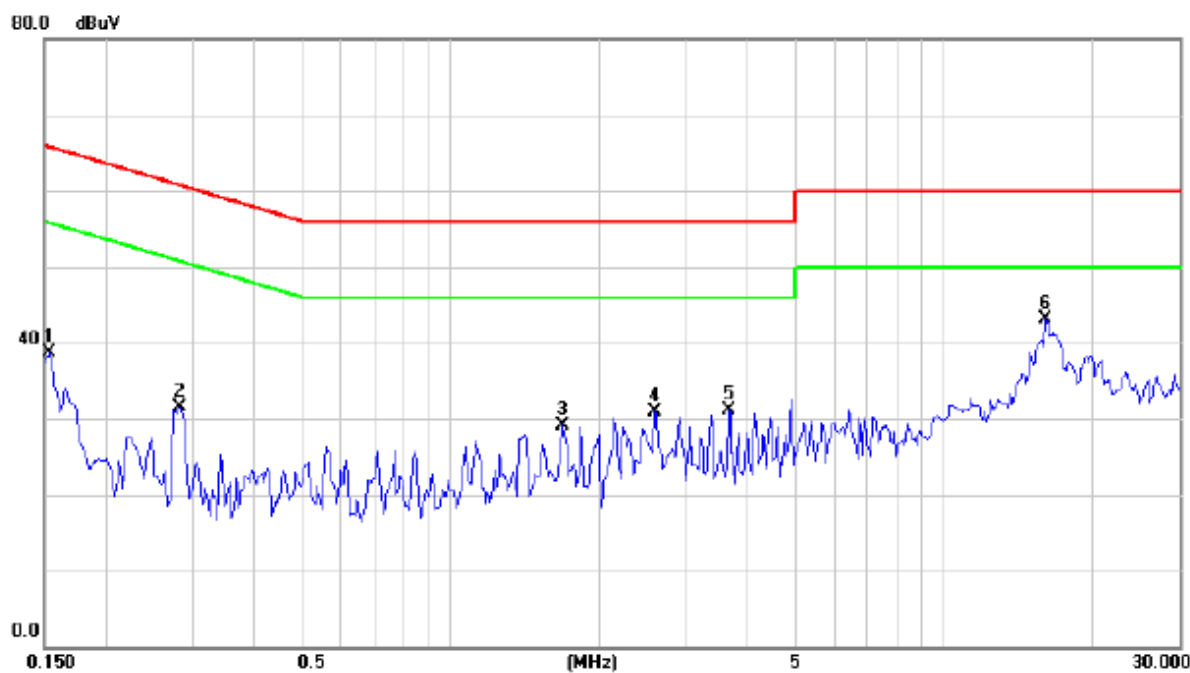
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Neutral
Test Engineer :	Lucky Mao		



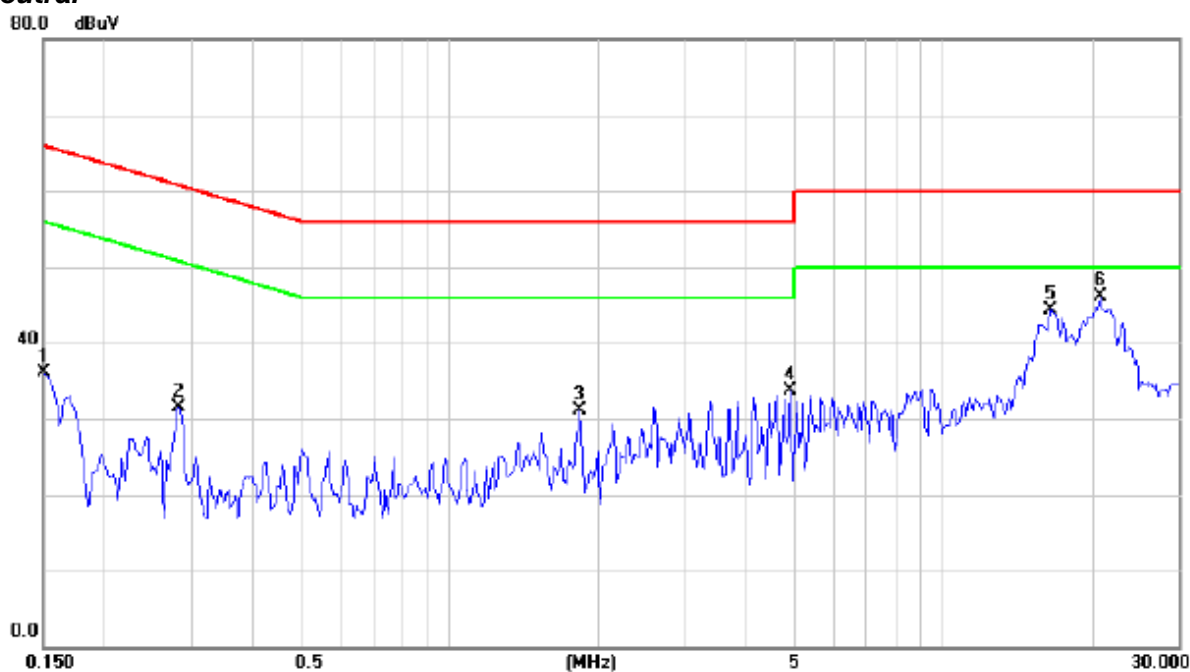
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	27.14	9.63	36.77	66.00	-29.23	QP	
2		0.1500	18.90	9.63	28.53	56.00	-27.47	AVG	
3		0.2790	22.14	9.62	31.76	60.85	-29.09	QP	
4		0.2790	17.50	9.62	27.12	50.85	-23.73	AVG	
5		2.6070	21.63	9.77	31.40	56.00	-24.60	QP	
6		2.6070	18.60	9.77	28.37	46.00	-17.63	AVG	
7		4.9063	24.73	9.88	34.61	56.00	-21.39	QP	
8		4.9063	22.30	9.88	32.18	46.00	-13.82	AVG	
9		16.4063	35.37	10.33	45.70	60.00	-14.30	QP	
10		16.4063	25.40	10.33	35.73	50.00	-14.27	AVG	
11		20.8555	36.17	10.50	46.67	60.00	-13.33	QP	
12	*	20.8555	33.20	10.50	43.70	50.00	-6.30	AVG	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 1920*1080/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Line

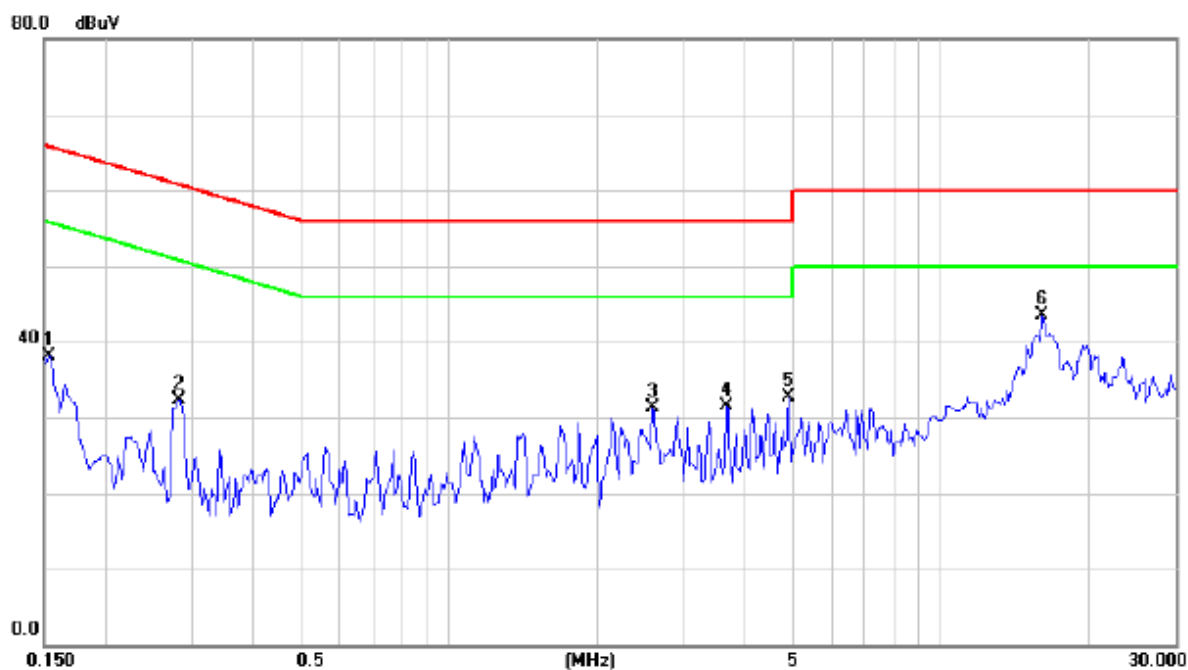


### Neutral

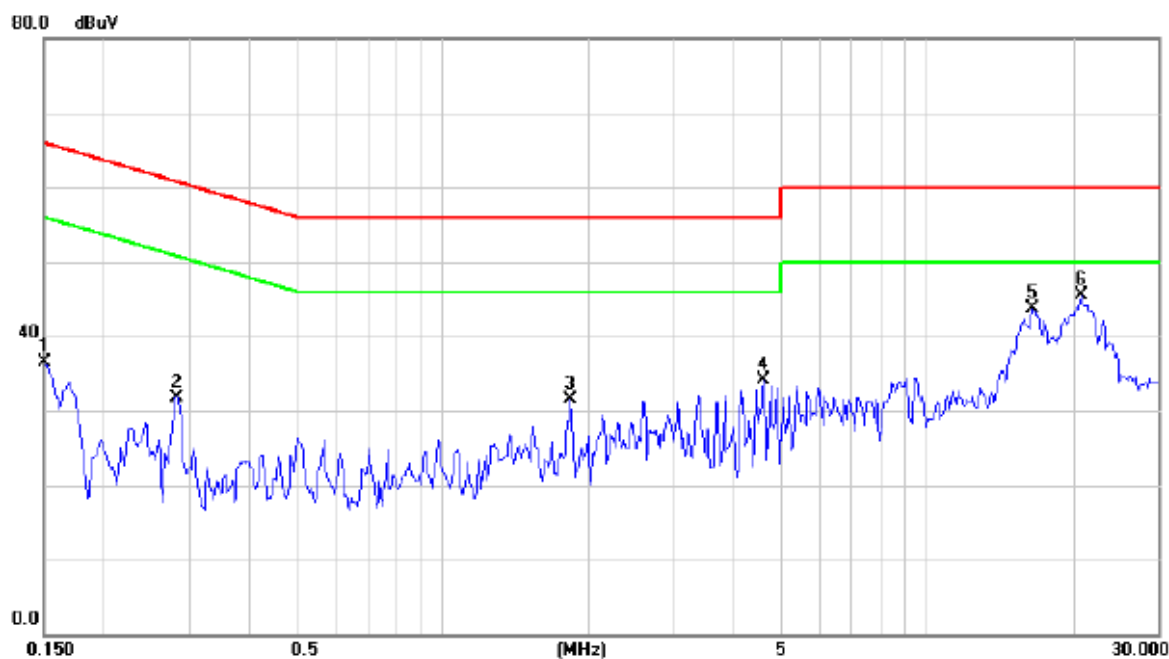


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 640*480 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

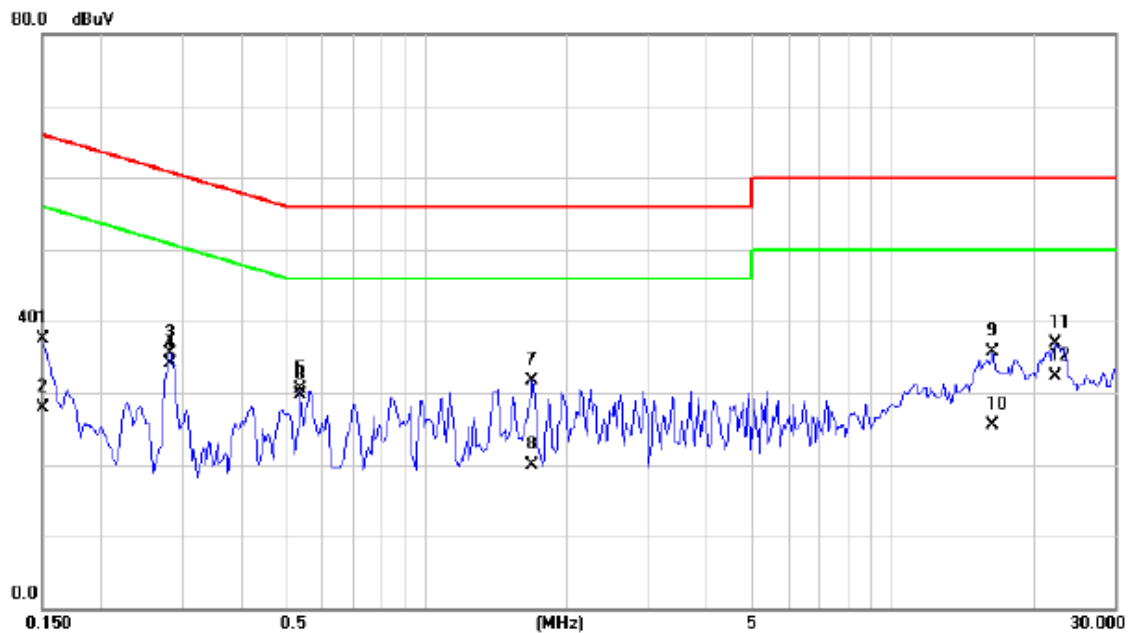
**Line**



**Neutral**

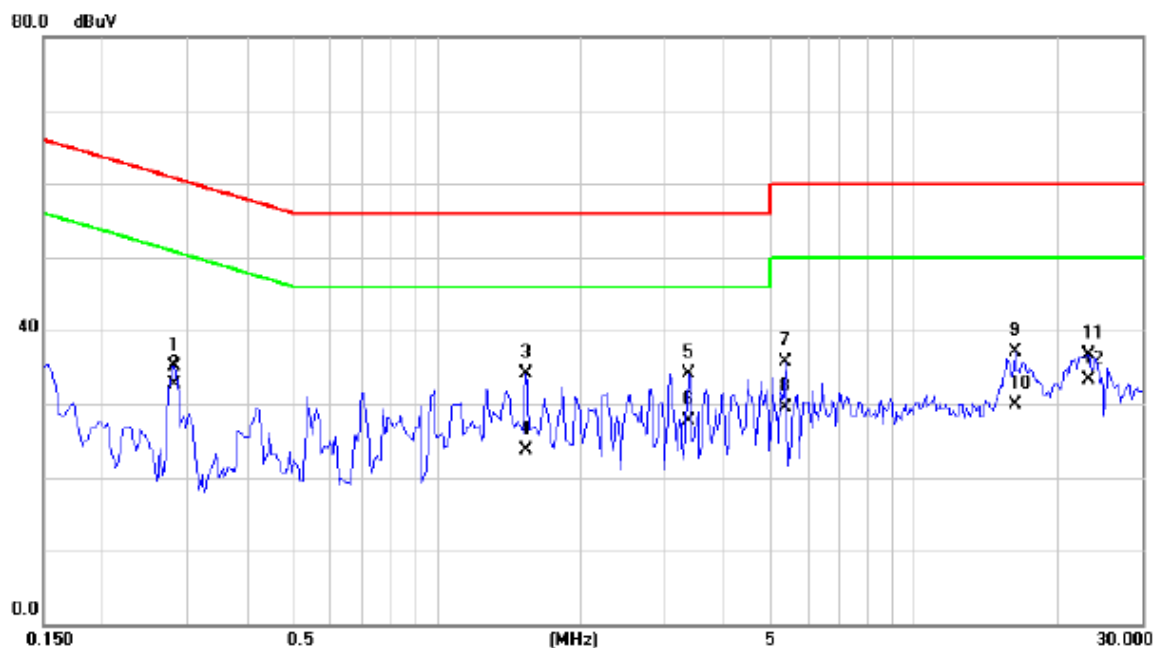


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	MHL 1080P 30Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Line
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	28.04	9.52	37.56	66.00	-28.44	QP	
2		0.1500	18.30	9.52	27.82	56.00	-28.18	AVG	
3		0.2828	25.90	9.56	35.46	60.73	-25.27	QP	
4		0.2828	24.50	9.56	34.06	50.73	-16.67	AVG	
5		0.5367	21.00	9.59	30.59	56.00	-25.41	QP	
6	*	0.5367	20.10	9.59	29.69	46.00	-16.31	AVG	
7		1.6970	21.96	9.70	31.66	56.00	-24.34	QP	
8		1.6970	10.30	9.70	20.00	46.00	-26.00	AVG	
9		16.4530	25.32	10.35	35.67	60.00	-24.33	QP	
10		16.4530	15.10	10.35	25.45	50.00	-24.55	AVG	
11		22.4453	26.42	10.46	36.88	60.00	-23.12	QP	
12		22.4453	21.90	10.46	32.36	50.00	-17.64	AVG	

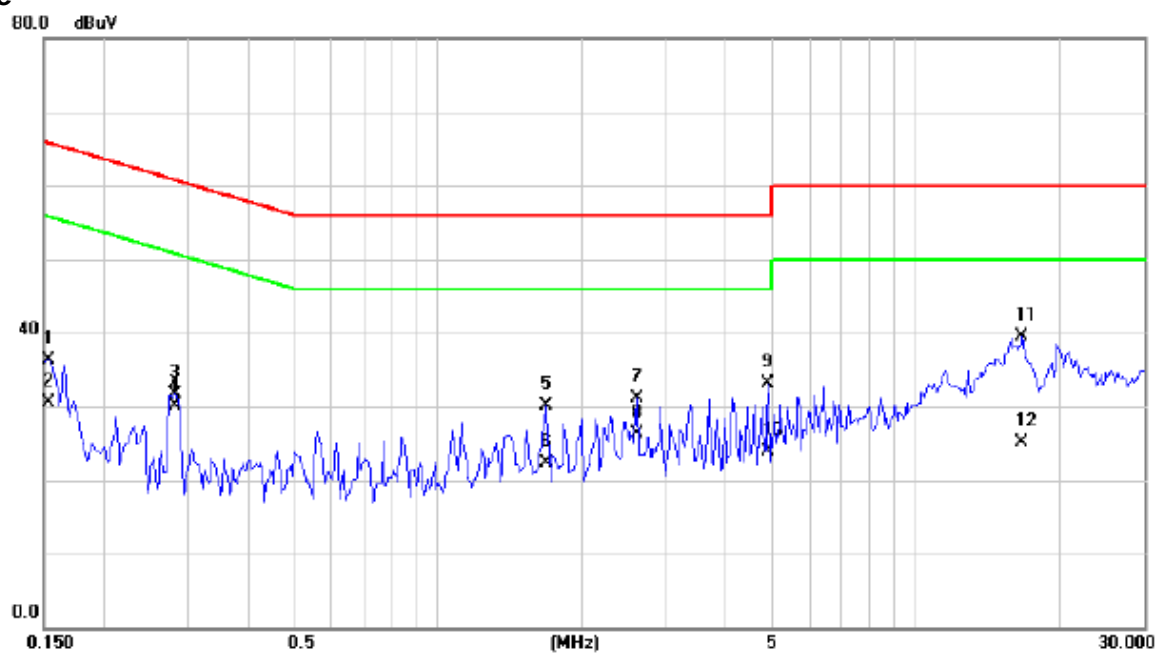
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	MHL 1080P 30Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Phase:	Neutral
Test Engineer :	Lucky Mao		



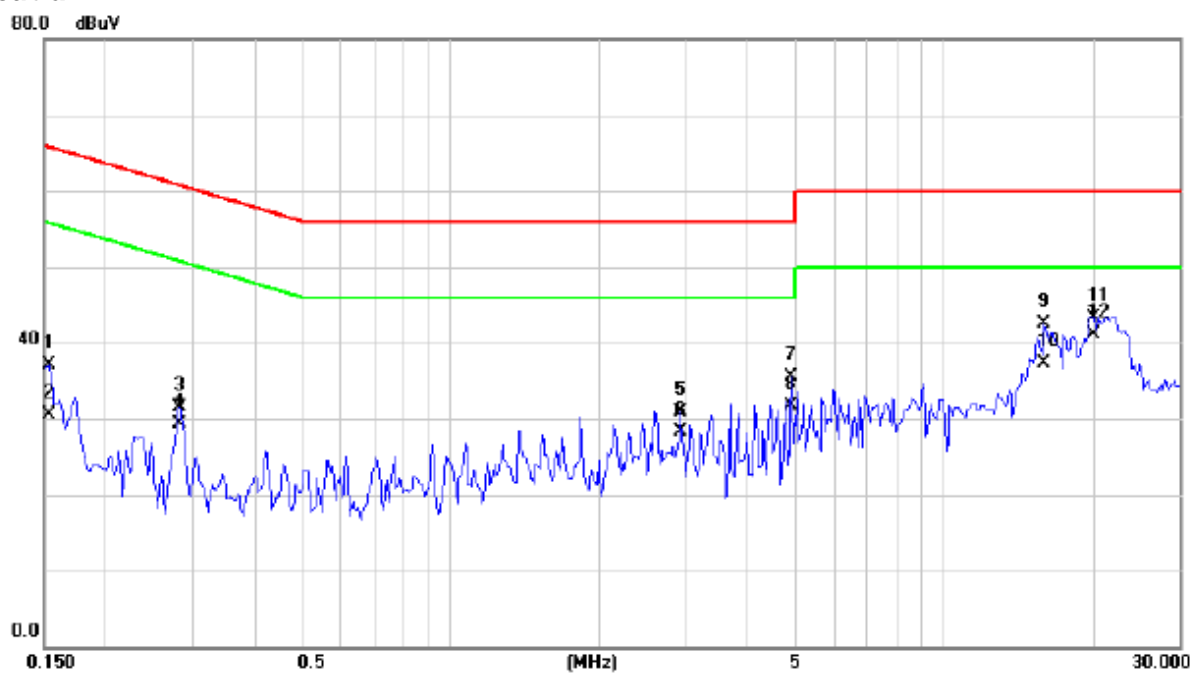
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2828	25.50	9.55	35.05	60.73	-25.68	QP	
2		0.2828	23.10	9.55	32.65	50.73	-18.08	AVG	
3		1.5367	24.34	9.67	34.01	56.00	-21.99	QP	
4		1.5367	14.10	9.67	23.77	46.00	-22.23	AVG	
5		3.3790	24.26	9.77	34.03	56.00	-21.97	QP	
6		3.3790	17.90	9.77	27.67	46.00	-18.33	AVG	
7		5.3788	25.72	9.89	35.61	60.00	-24.39	QP	
8		5.3788	19.70	9.89	29.59	50.00	-20.41	AVG	
9		16.2891	26.52	10.52	37.04	60.00	-22.96	QP	
10		16.2891	19.40	10.52	29.92	50.00	-20.08	AVG	
11		23.2070	25.98	10.74	36.72	60.00	-23.28	QP	
12	*	23.2070	22.60	10.74	33.34	50.00	-16.66	AVG	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	65 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.5m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Line**



**Neutral**



## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1 GHz

Frequency Range (MHz)	Class A (at 10m) (dBuV/m)	Class B (at 10m) (dBuV/m)
	Quasi-peak	Quasi-peak
30 – 230	40	30
230 – 1000	47	37

Above 1 GHz

Frequency Range (MHz)	Class A (at 3m) (dBuV/m)		Class B (at 3m) (dBuV/m)	
	Peak	Average	Peak	Average
1000-3000	76	56	70	50
3000-6000	80	60	74	54

Notes:

- (1) The limit for radiated test was performed according to as following: CISPR 22.
- (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

### FREQUENCY RANGE OF RADIATED MEASUREMENT

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 6 GHz, whichever is less (For CISPR)

#### 4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EMCO	3142C	00066462	Mar. 29, 2015
2	Antenna	EMCO	3142C	00066464	Mar. 29, 2015
3	Amplifier	Agilent	8447D	2944A11203	Nov. 11, 2014
4	Amplifier	Agilent	8447D	2944A11204	Nov. 11, 2014
5	Spectrum Analyzer	Agilent	E4443A	MY48250370	Nov. 11, 2014
6	RF Pre-selector	Agilent	N9039A	MY46520201	Nov. 11, 2014
7	Test Cable	N/A	Cable_5m_8 m_15m	N/A	Jan. 14, 2015
8	Test Cable	N/A	Cable_5m_1 1m_15m	N/A	Jan. 14, 2015
9	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
10	RF Pre-selector	Agilent	N9039A	MY46520214	Nov. 11, 2014
11	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
12	Measurement Software	Fara	EZ-EMC Ver.BTL-2AN T-1	N/A	N/A
13	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
14	Amplifier	Agilent	8449B	3008A02584	Nov. 11, 2014
15	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
16	Test Cable	Huber+Suhner	SUCOFLEX_ 15m_4m	N/A	Jan. 14, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.



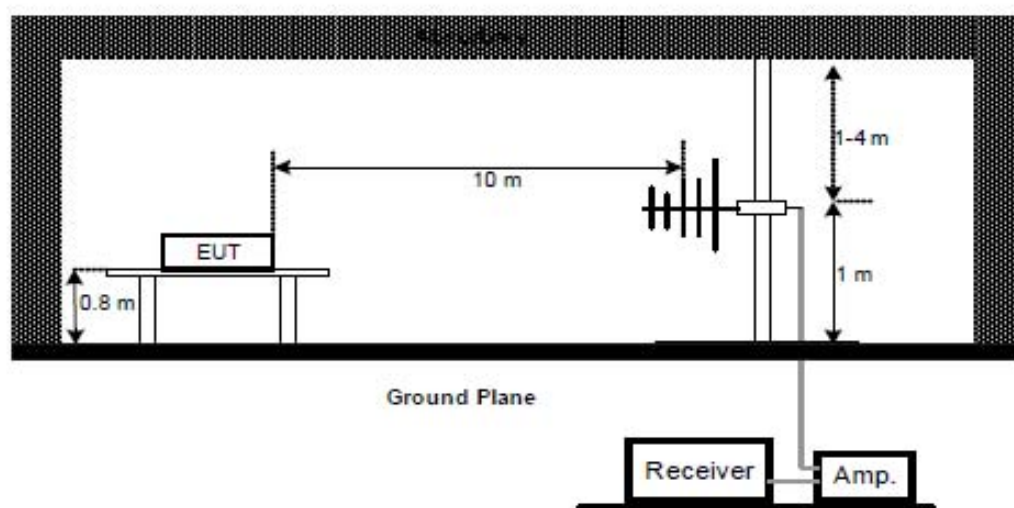
#### 4.2.3 TEST PROCEDURE

- a. The measuring distance of at 10 m shall be used for measurements at frequency below 1GHz. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters 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 1G)
- c. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1G)
- d. 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.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

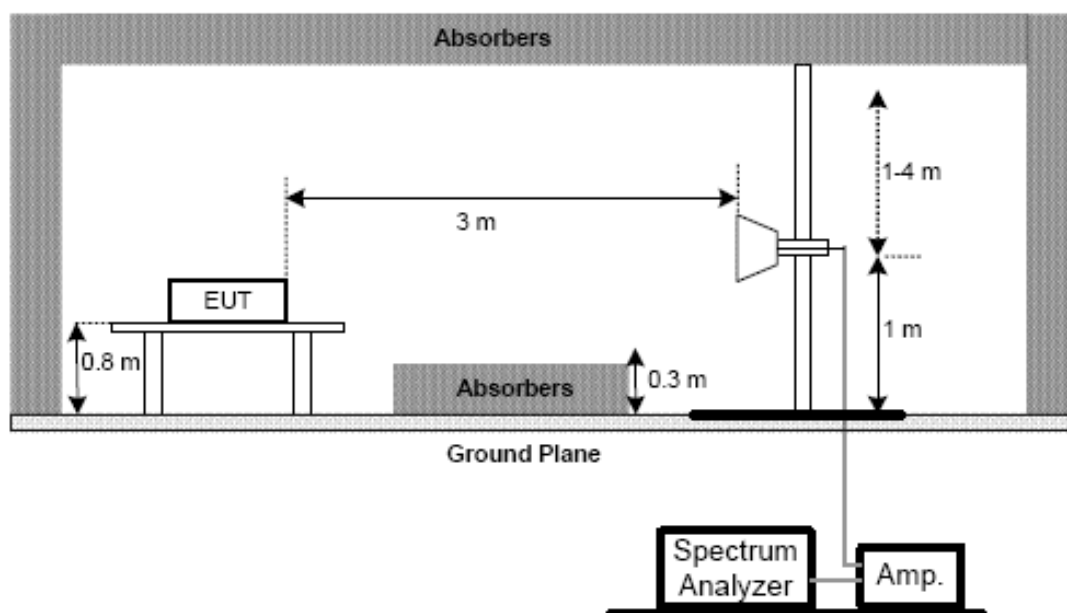
#### 4.2.4 DEVIATION FROM TEST STANDARD

No deviation

#### 4.2.5 TEST SETUP (Below 1000MHz)



#### 4.2.6 TEST SETUP (Above 1000MHz)



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

#### 4.2.7 EUT OPERATING CONDITIONS

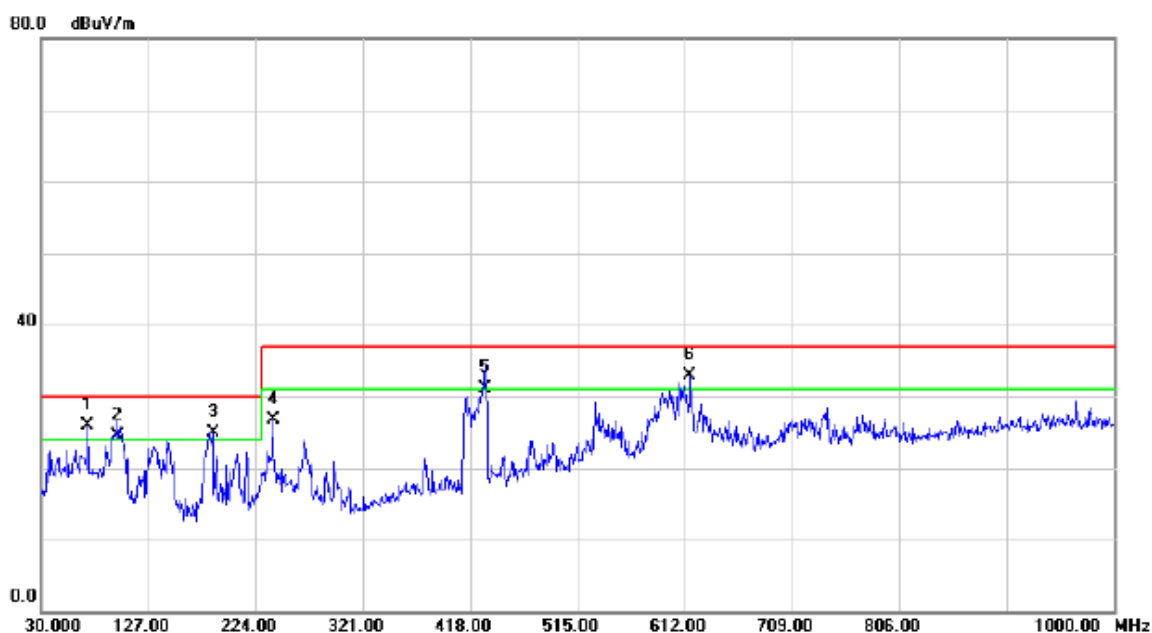
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

#### 4.2.8 TEST RESULTS-BETWEEN 30MHZ AND 1000MHZ

Remark :

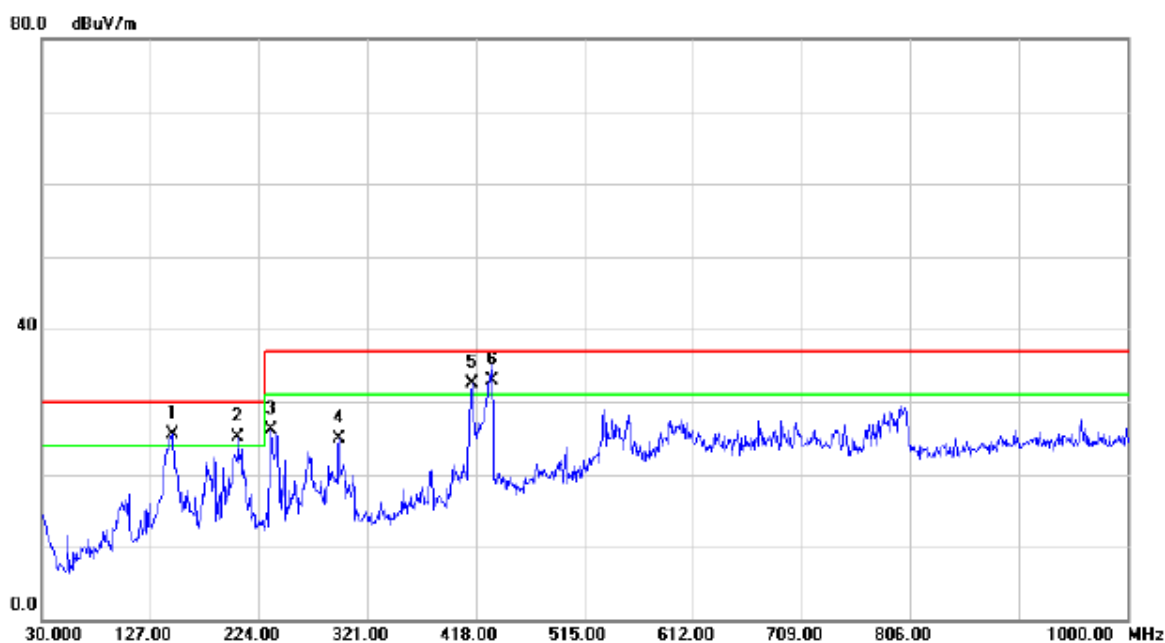
- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1920*1080 60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+ MHL+Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	72.1950	47.17	-21.19	25.98	30.00	-4.02	QP		
2	!	98.8700	43.45	-19.02	24.43	30.00	-5.57	QP		
3	!	185.2000	41.12	-16.16	24.96	30.00	-5.04	QP		
4		240.0050	40.34	-13.64	26.70	37.00	-10.30	QP		
5	!	432.0650	39.20	-8.13	31.07	37.00	-5.93	QP		
6	!	616.8500	36.78	-3.82	32.96	37.00	-4.04	QP		

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1920*1080 60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+ MHL+Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		

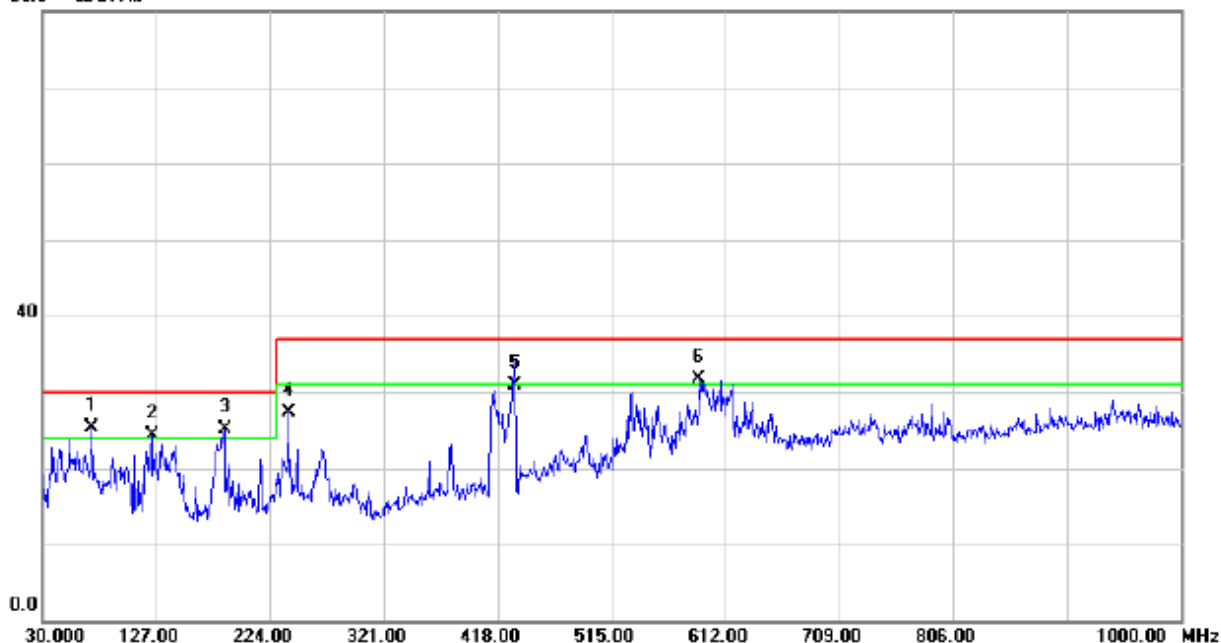


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	!	147.3700	44.31	-18.86	25.45	30.00	-4.55	QP		
2	!	205.5700	41.56	-16.37	25.19	30.00	-4.81	QP		
3		234.6700	40.55	-14.48	26.07	37.00	-10.93	QP		
4		295.7800	37.51	-12.65	24.86	37.00	-12.14	QP		
5	!	414.1200	40.84	-8.28	32.56	37.00	-4.44	QP		
6	*	432.5500	40.80	-7.94	32.86	37.00	-4.14	QP		

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1280*1024 75Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

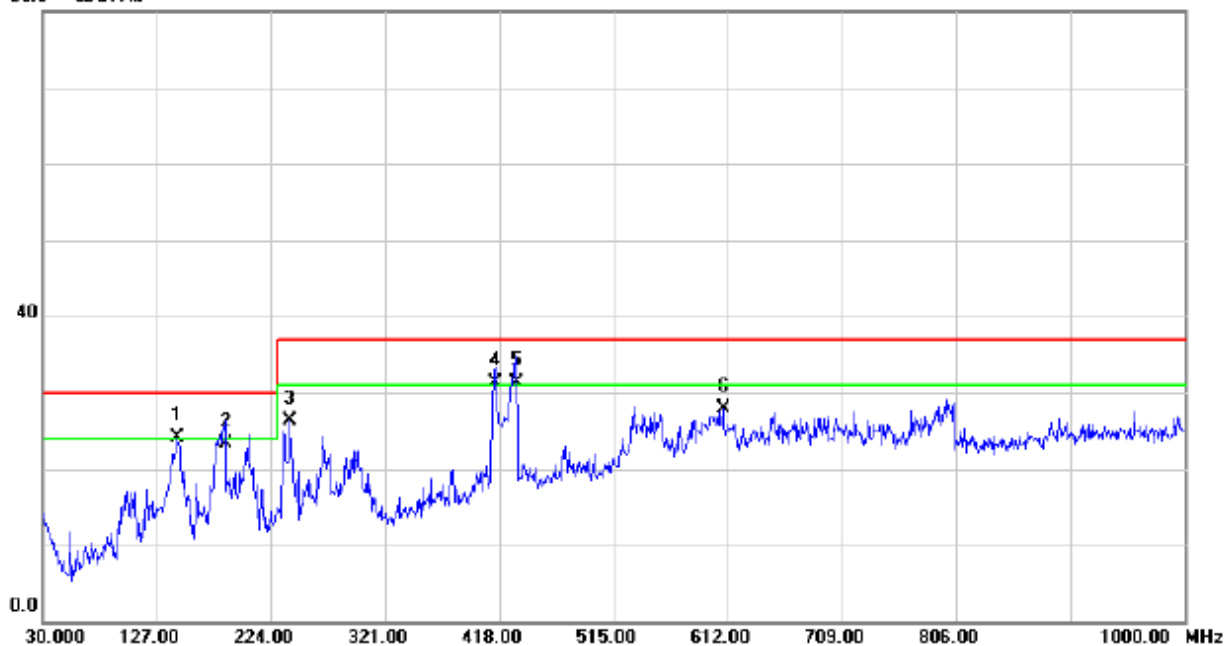
### Vertical

80.0 dBuV/m



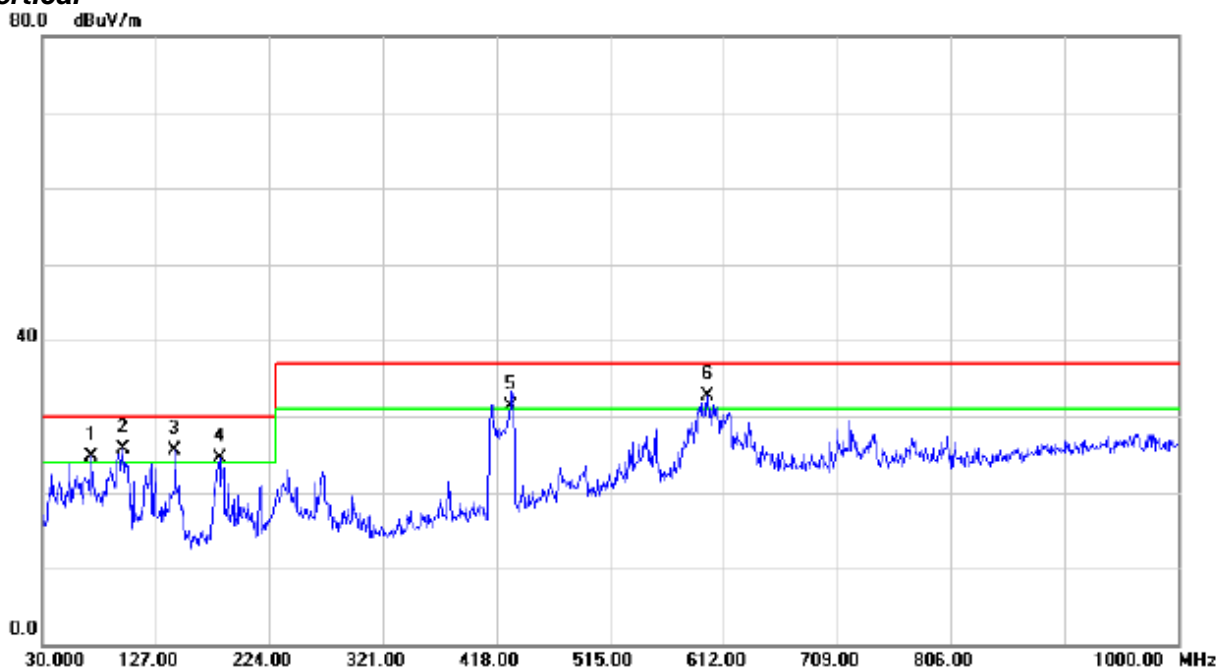
### Horizontal

80.0 dBuV/m

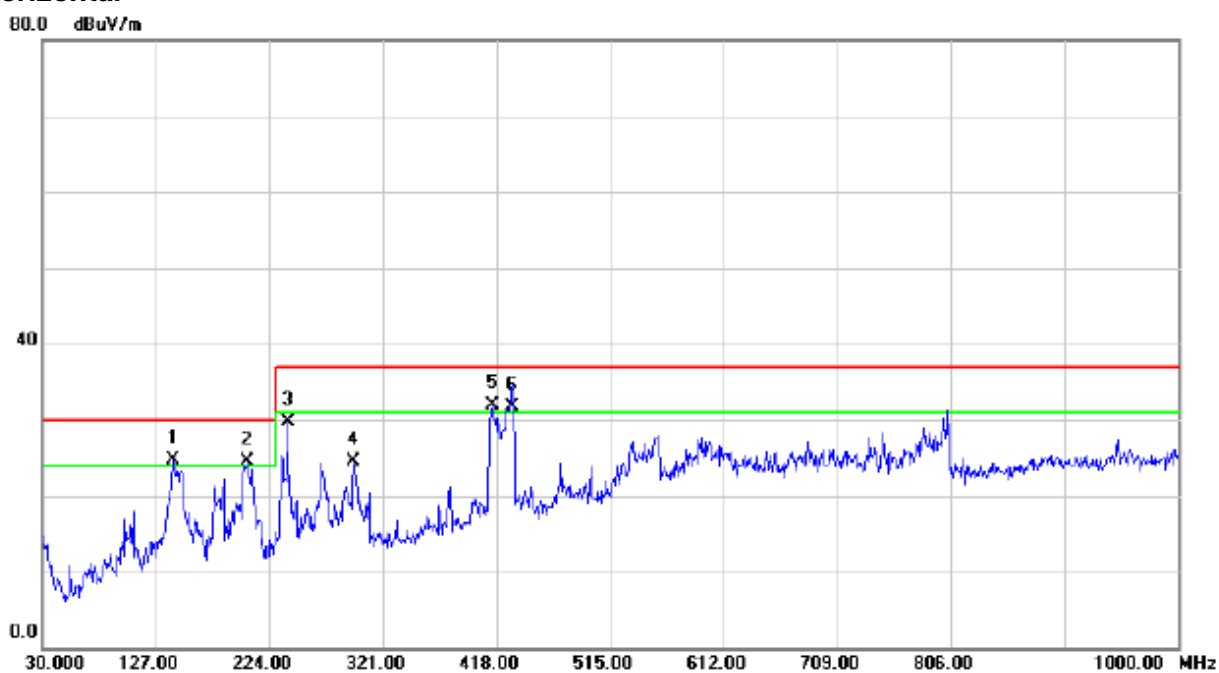


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 640*480 60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Vertical

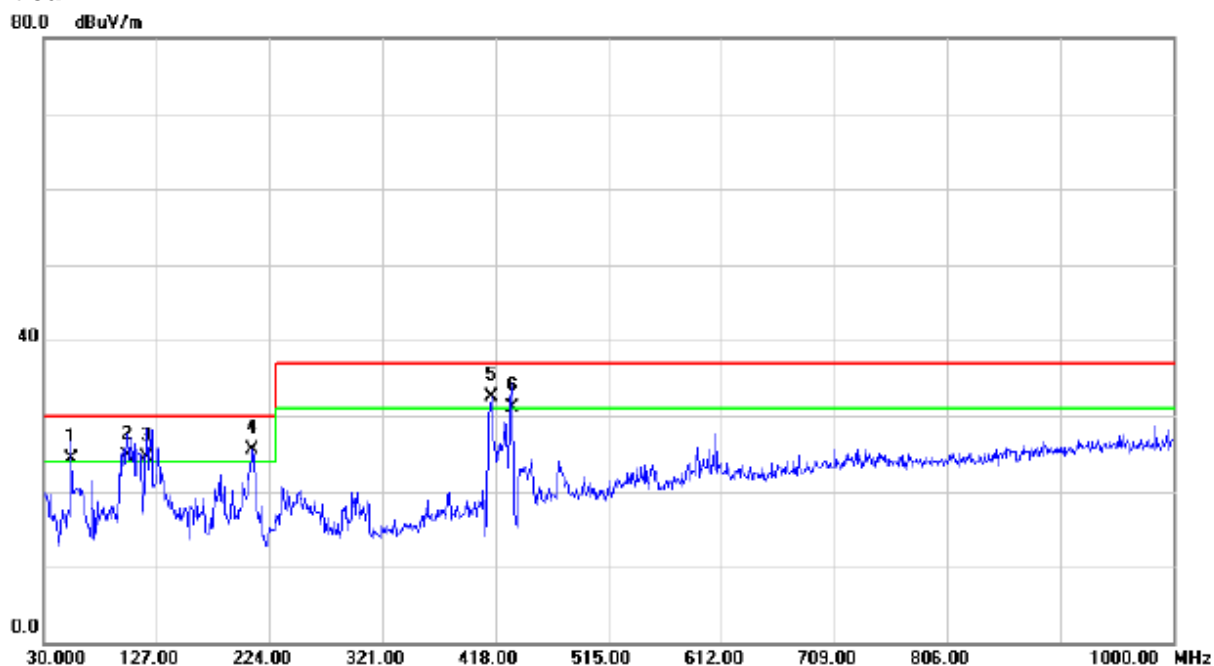


### Horizontal

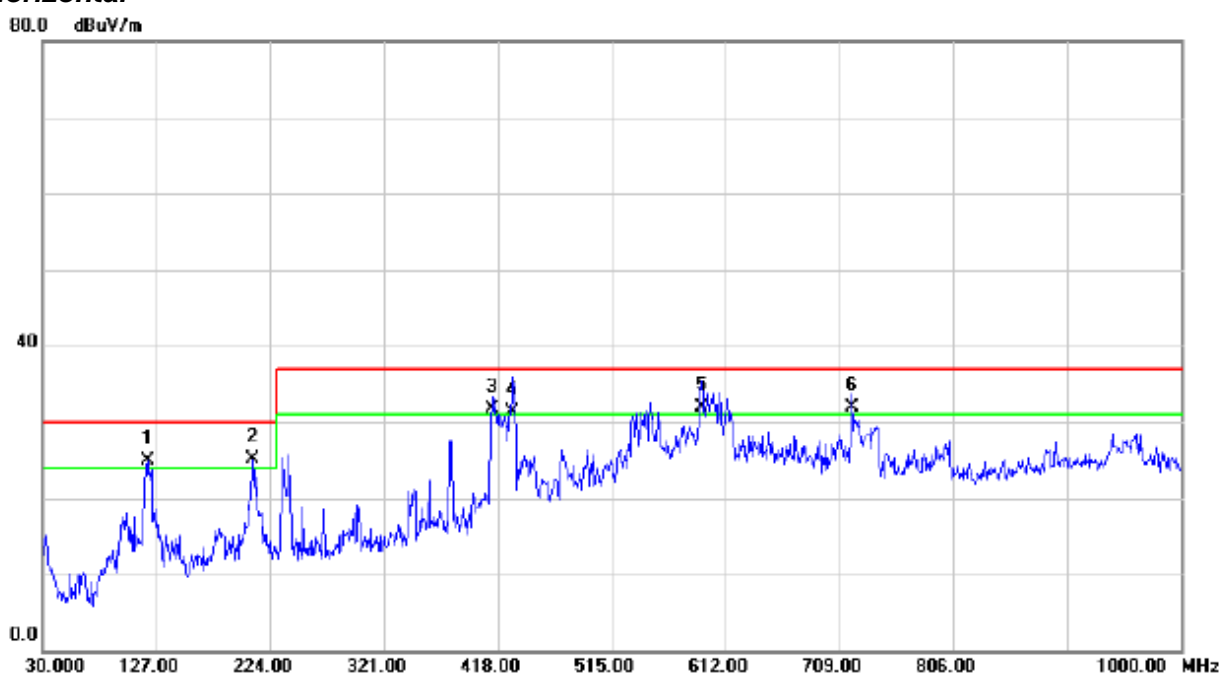


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1920*1080 60Hz Vertical Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Vertical

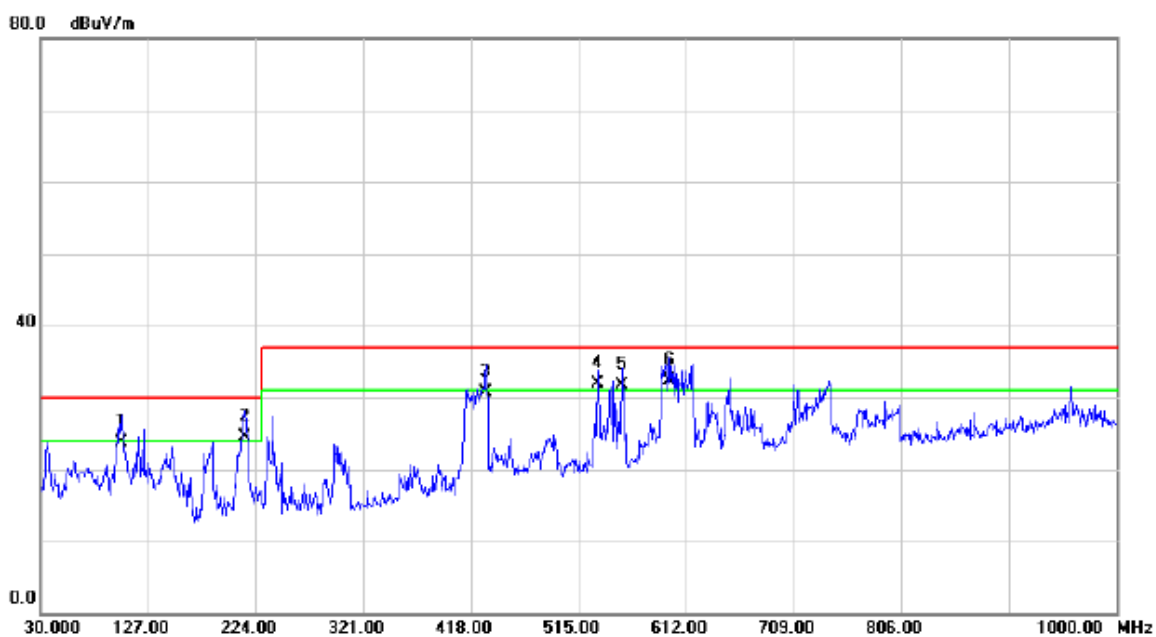


### Horizontal



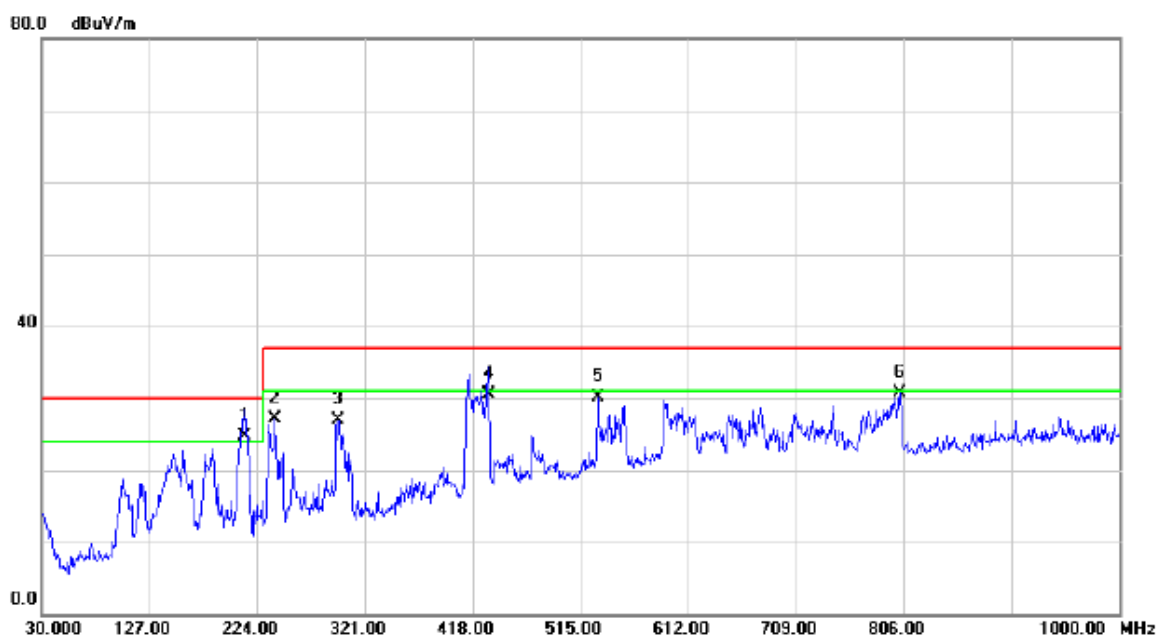


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI +MHL+Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Detector	Comment
1		102.7500	42.84	-19.04	23.80	30.00	-6.20			QP	
2	!	214.3000	39.60	-15.18	24.42	30.00	-5.58			QP	
3		431.5800	38.90	-8.15	30.75	37.00	-6.25			QP	
4	!	532.9450	37.30	-5.47	31.83	37.00	-5.17			QP	
5	!	554.2850	37.10	-5.30	31.80	37.00	-5.20			QP	
6	*	597.4500	36.80	-4.44	32.36	37.00	-4.64			QP	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display +HDMI+MHL+Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		

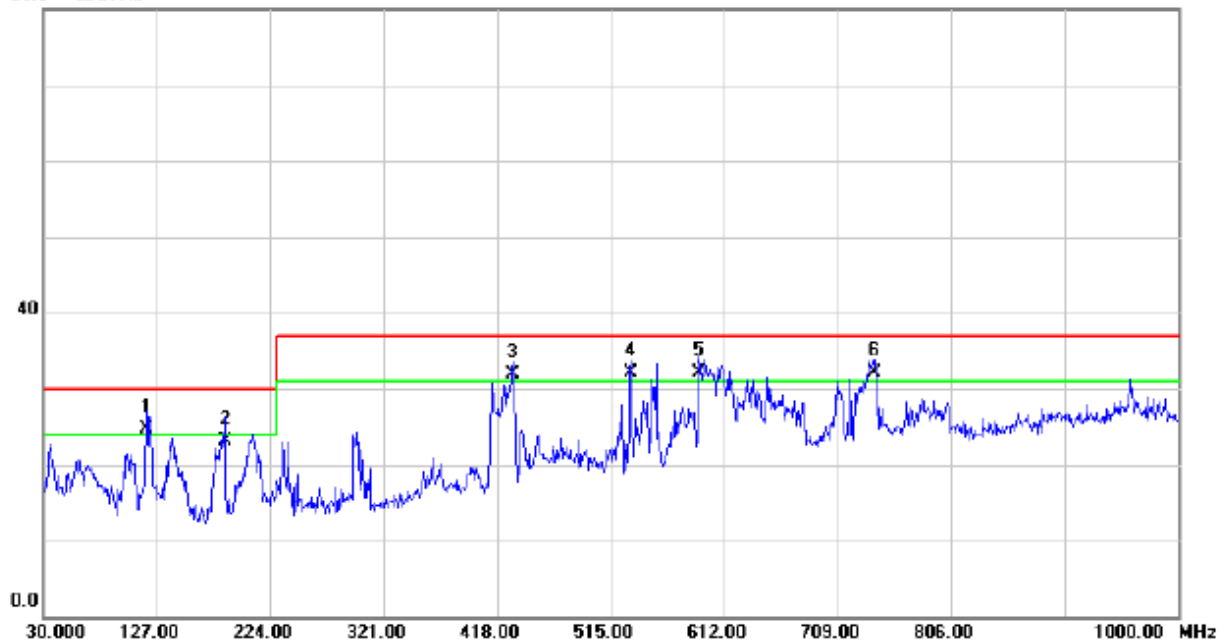


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1 *	213.3300	40.60	-15.82	24.78	30.00	-5.22	QP			
2	239.5200	41.24	-14.21	27.03	37.00	-9.97	QP			
3	296.7500	39.61	-12.65	26.96	37.00	-10.04	QP			
4	432.5500	38.53	-7.94	30.59	37.00	-6.41	QP			
5	530.5200	34.50	-4.46	30.04	37.00	-6.96	QP			
6	802.1200	32.13	-1.36	30.77	37.00	-6.23	QP			

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 1920*1080/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

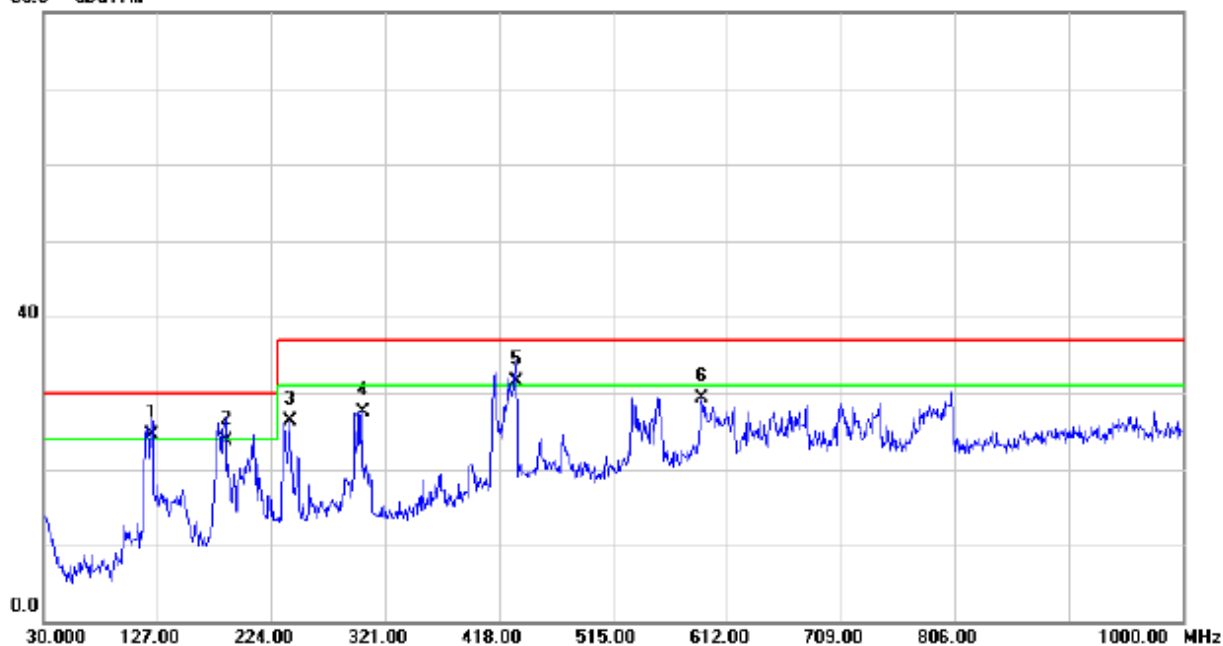
### Vertical

80.0 dBuV/m



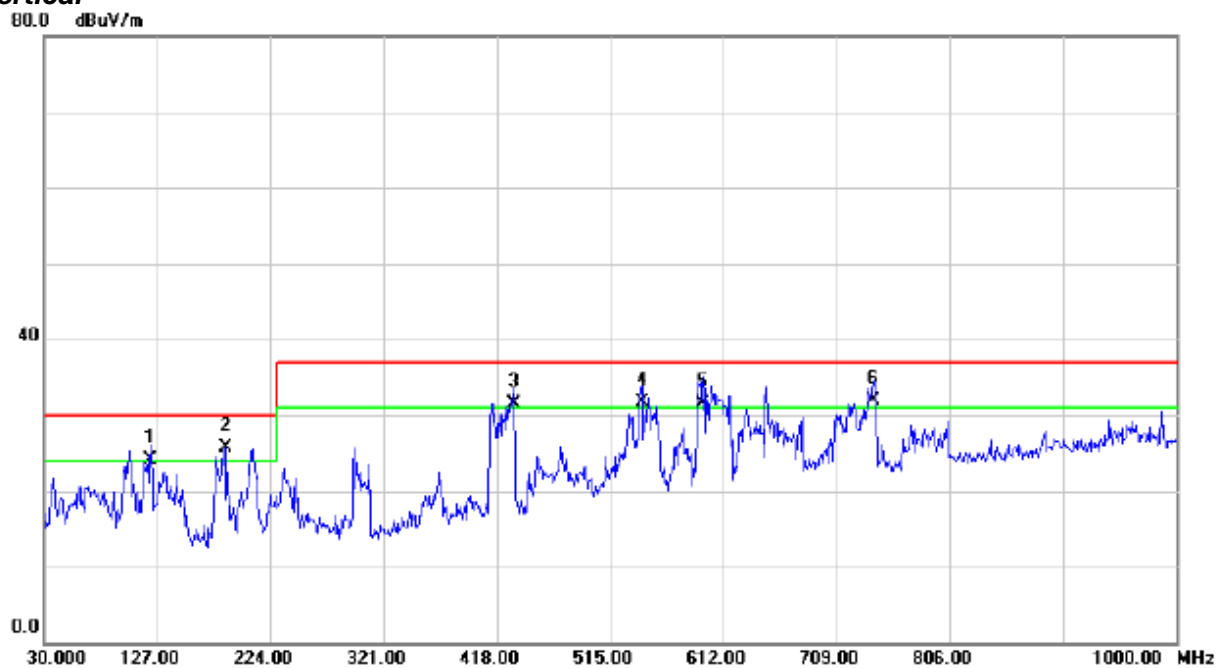
### Horizontal

80.0 dBuV/m

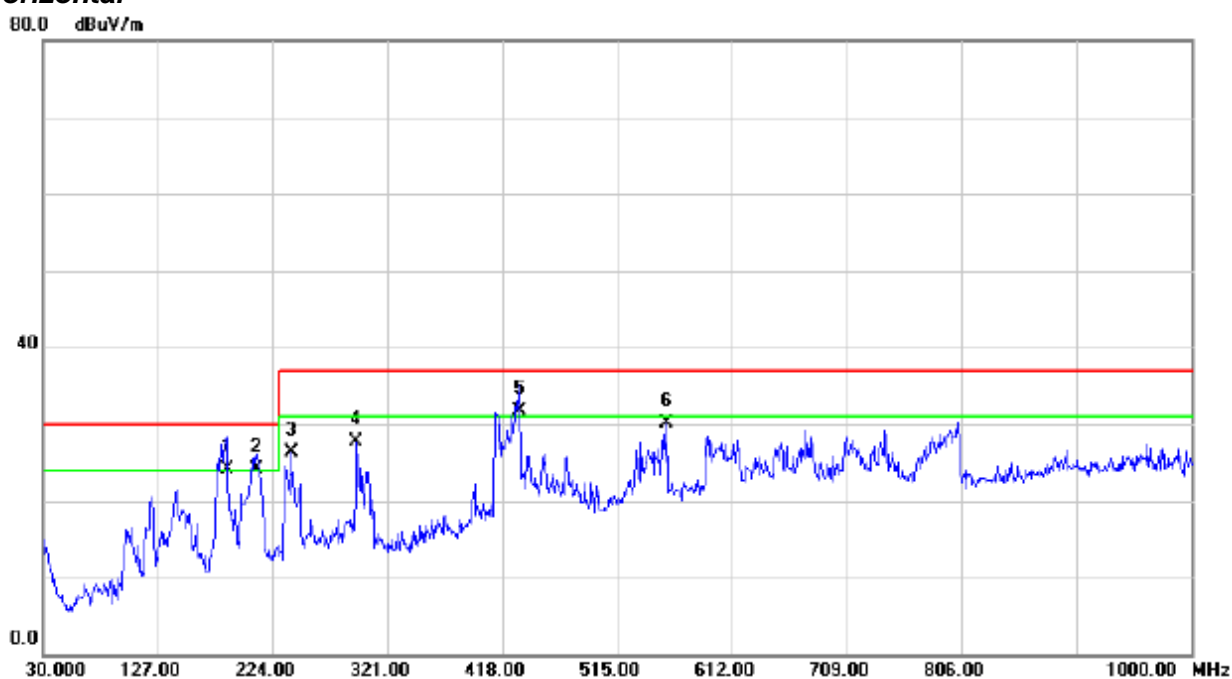


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 640*480 60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Vertical



### Horizontal



E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz Vertical Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

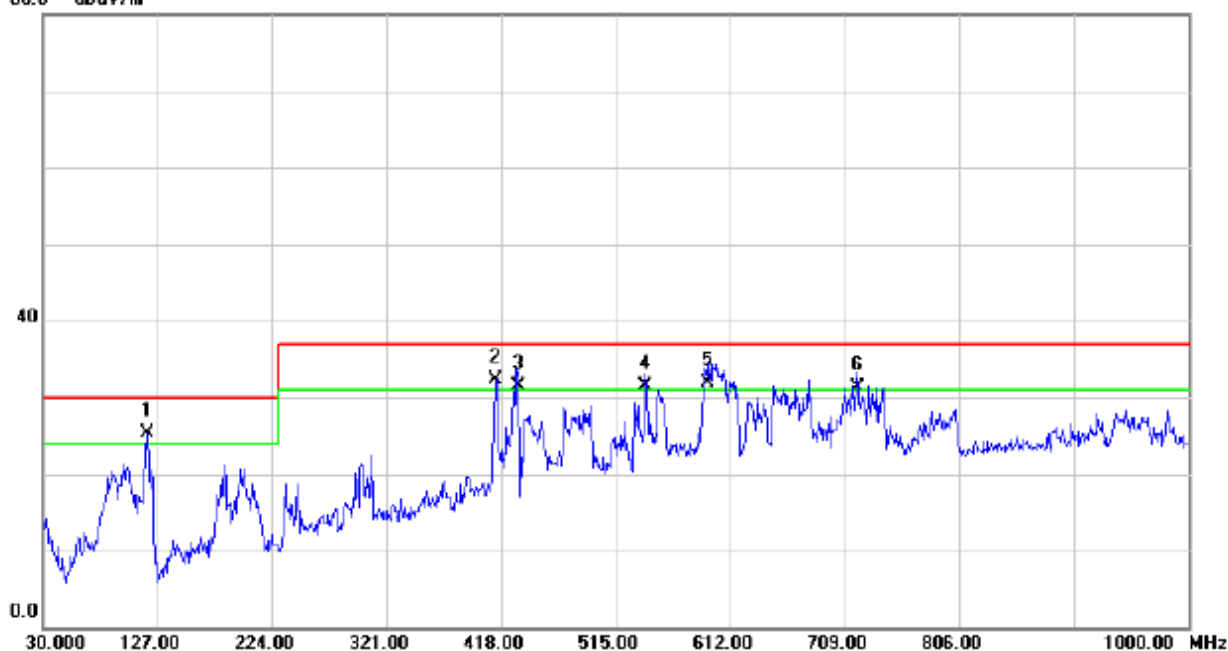
### Vertical

80.0 dBuV/m

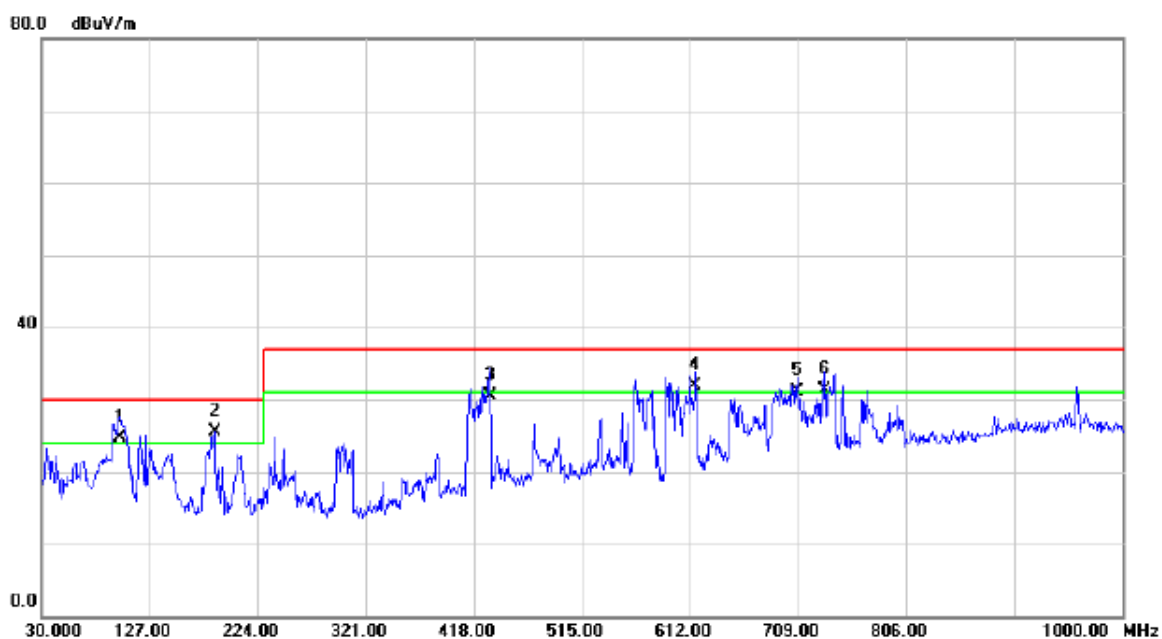


### Horizontal

80.0 dBuV/m

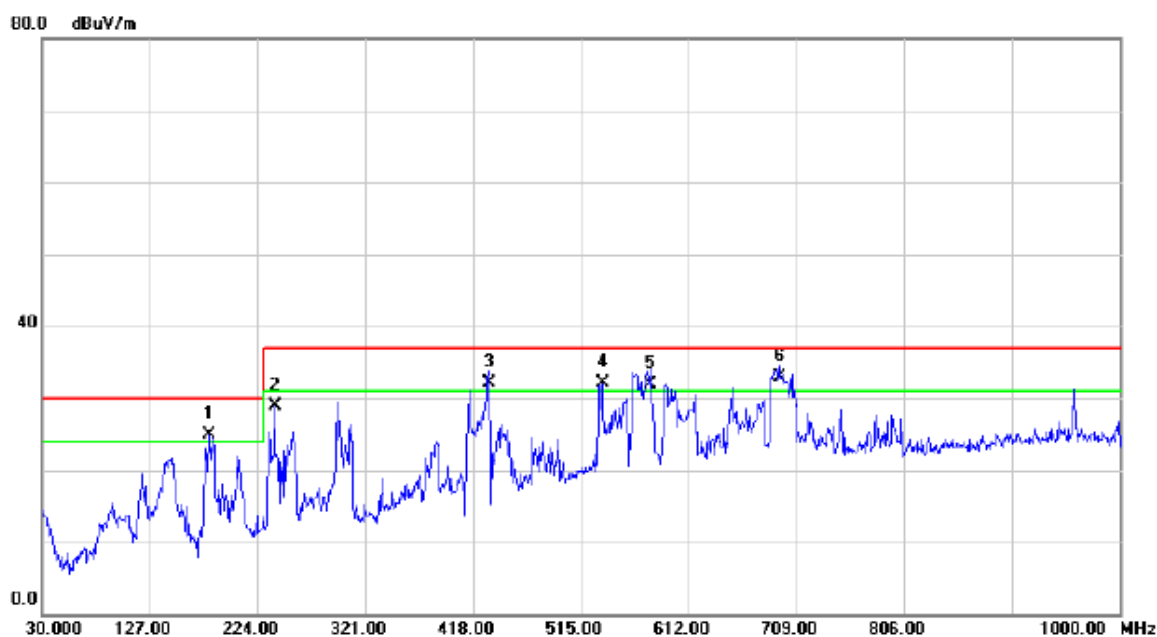


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 2560*1440/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI +MHL+Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1	!	100.8100	43.60	-18.93	24.67	30.00	-5.33	QP		
2	*	185.6850	41.58	-16.14	25.44	30.00	-4.56	QP		
3		433.0350	38.61	-8.10	30.51	37.00	-6.49	QP		
4	!	617.3350	35.60	-3.78	31.82	37.00	-5.18	QP		
5	!	708.0300	33.10	-2.04	31.06	37.00	-5.94	QP		
6	!	733.2500	32.96	-1.70	31.26	37.00	-5.74	QP		

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 2560*1440/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display +HDMI+MHL+Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



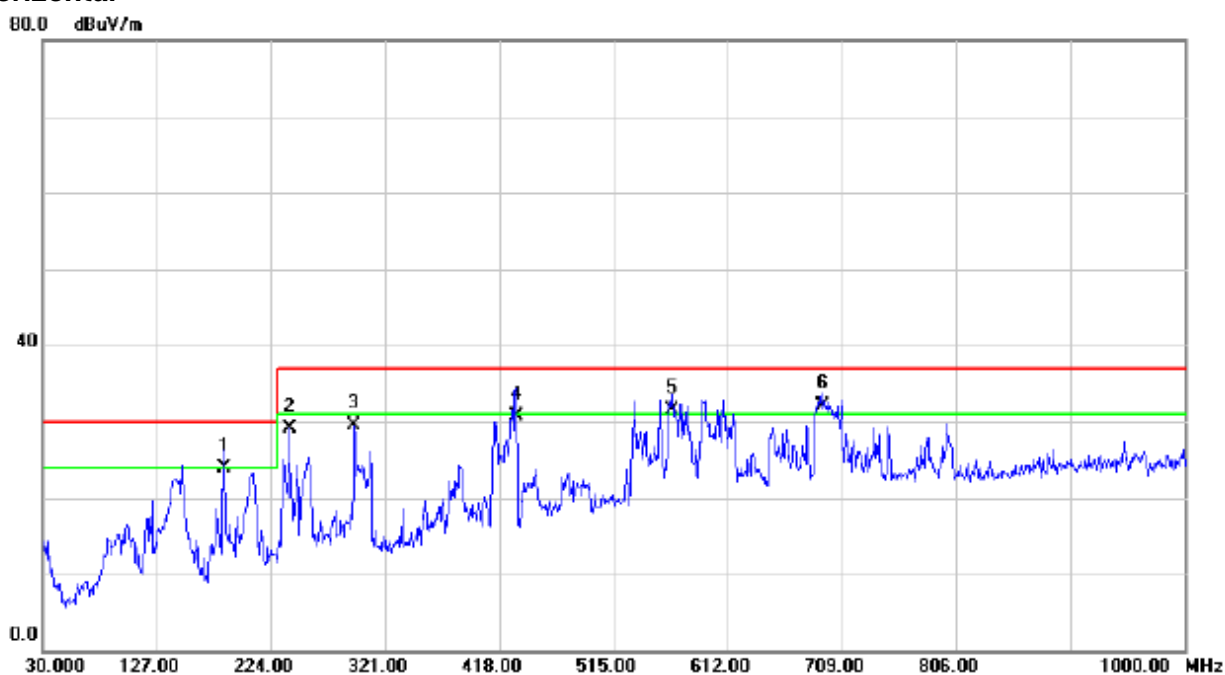
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	!	180.3500	41.74	-16.86	24.88	30.00	-5.12	QP		
2		239.5200	43.06	-14.21	28.85	37.00	-8.15	QP		
3	!	432.5500	40.02	-7.94	32.08	37.00	-4.92	QP		
4	!	534.4000	36.54	-4.39	32.15	37.00	-4.85	QP		
5	!	578.0500	35.90	-4.08	31.82	37.00	-5.18	QP		
6	*	693.4800	34.60	-1.72	32.88	37.00	-4.12	QP		

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 1920*1080/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Vertical**



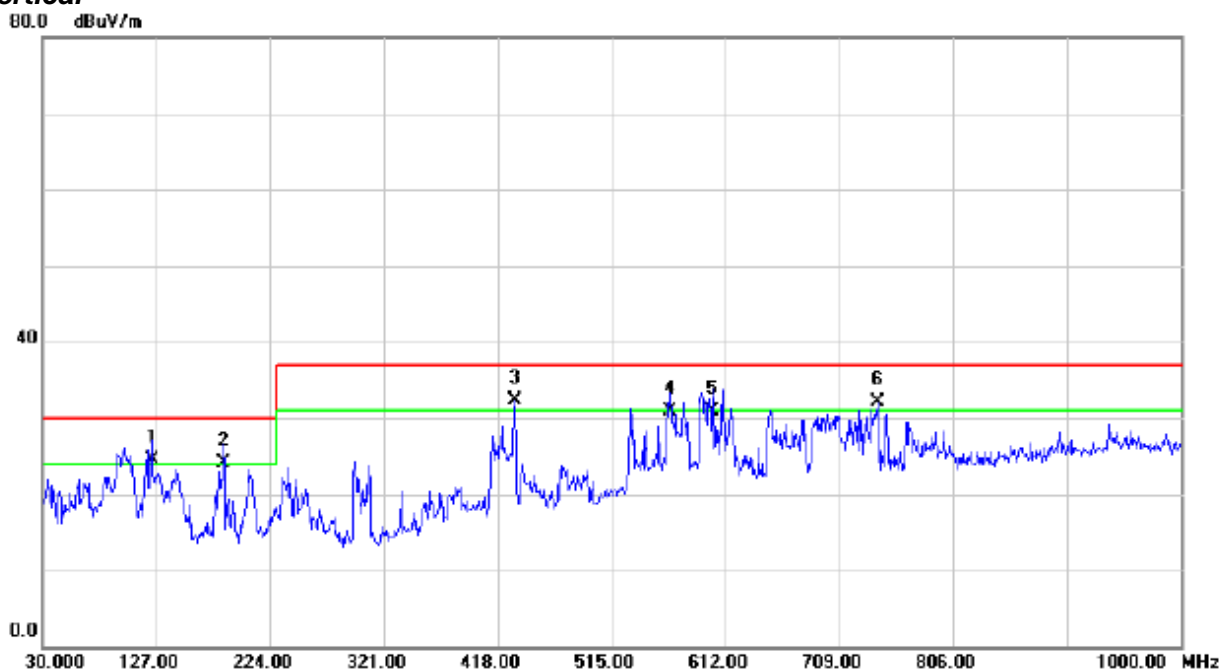
**Horizontal**



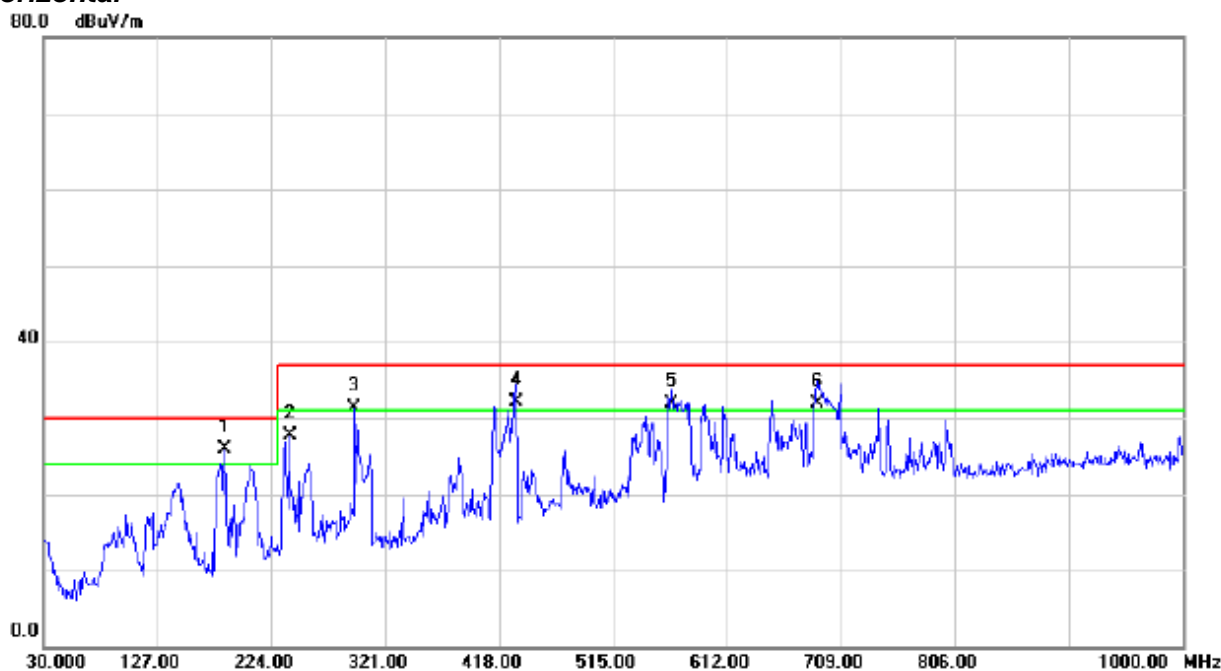


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 640*480 60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Vertical**

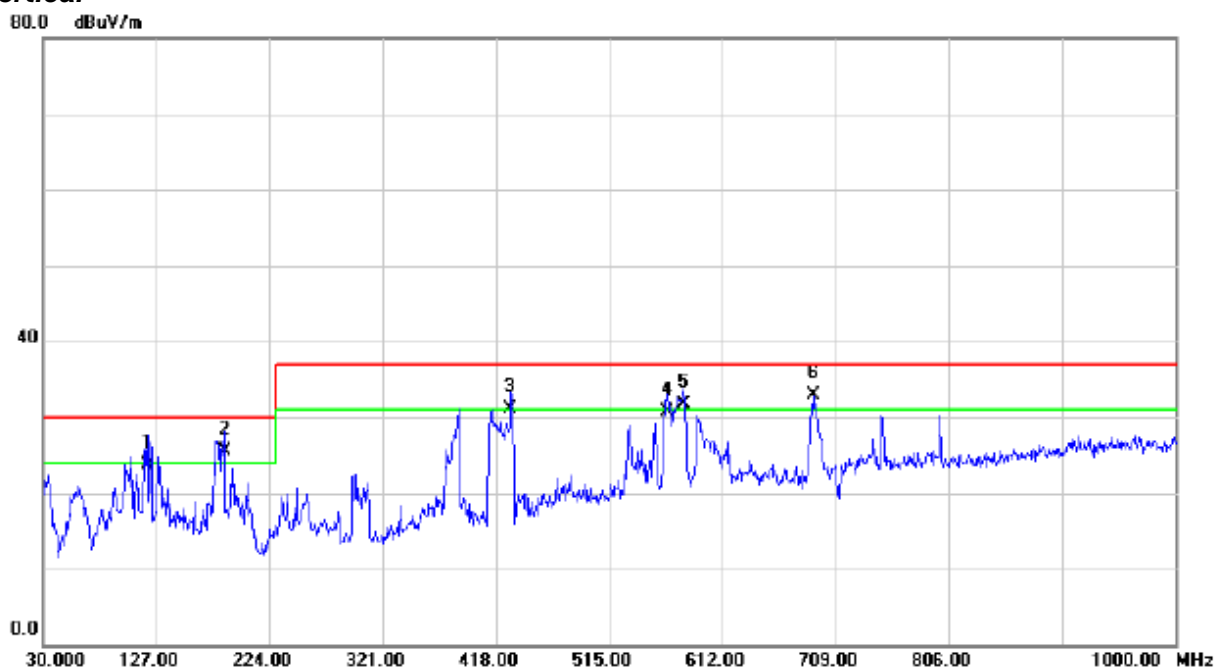


**Horizontal**



E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 2560*1440/60Hz Vertical Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Vertical



### Horizontal

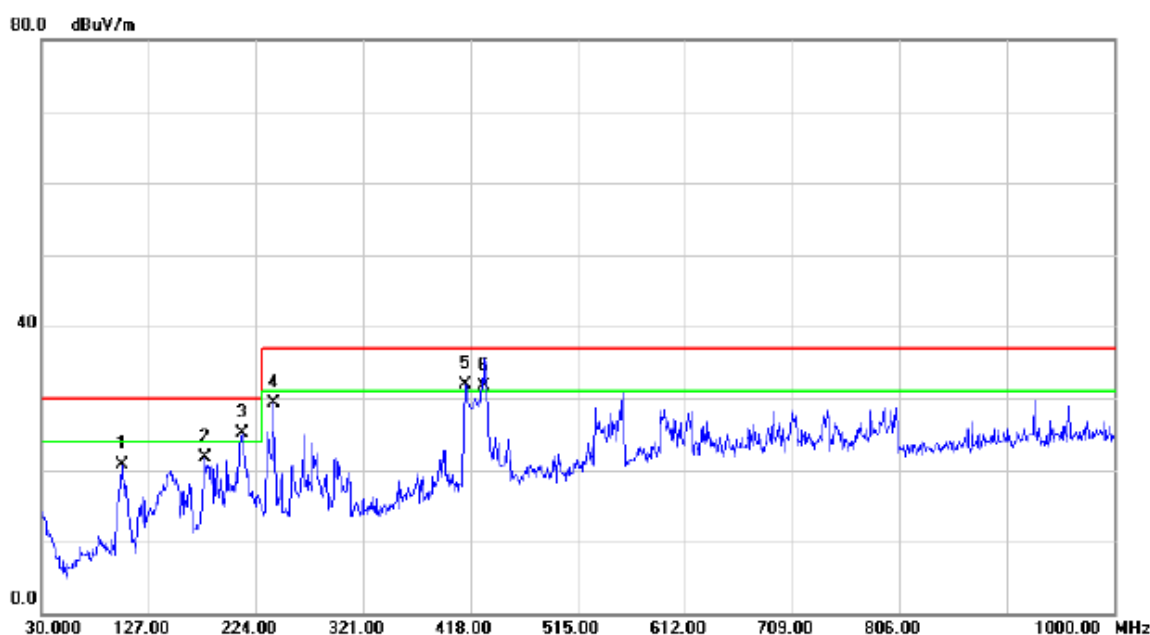


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 2560*1440/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI +MHL+Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1	*	102.7500	43.88	-19.04	24.84	30.00	-5.16	QP	
2	!	123.6050	44.10	-20.05	24.05	30.00	-5.95	QP	
3		185.2000	40.02	-16.16	23.86	30.00	-6.14	QP	
4	!	210.9050	39.80	-15.43	24.37	30.00	-5.63	QP	
5	!	431.5800	39.62	-8.15	31.47	37.00	-5.53	QP	
6	!	544.1000	36.54	-5.33	31.21	37.00	-5.79	QP	

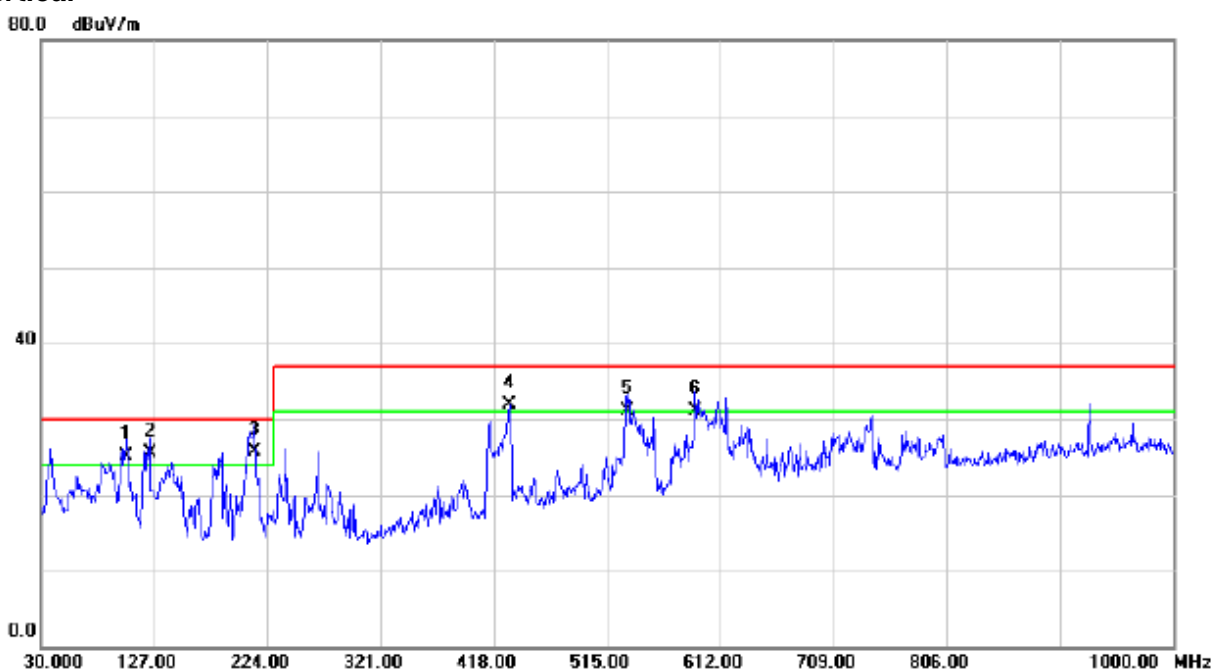
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 2560*1440/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+ HDMI+MHL+Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



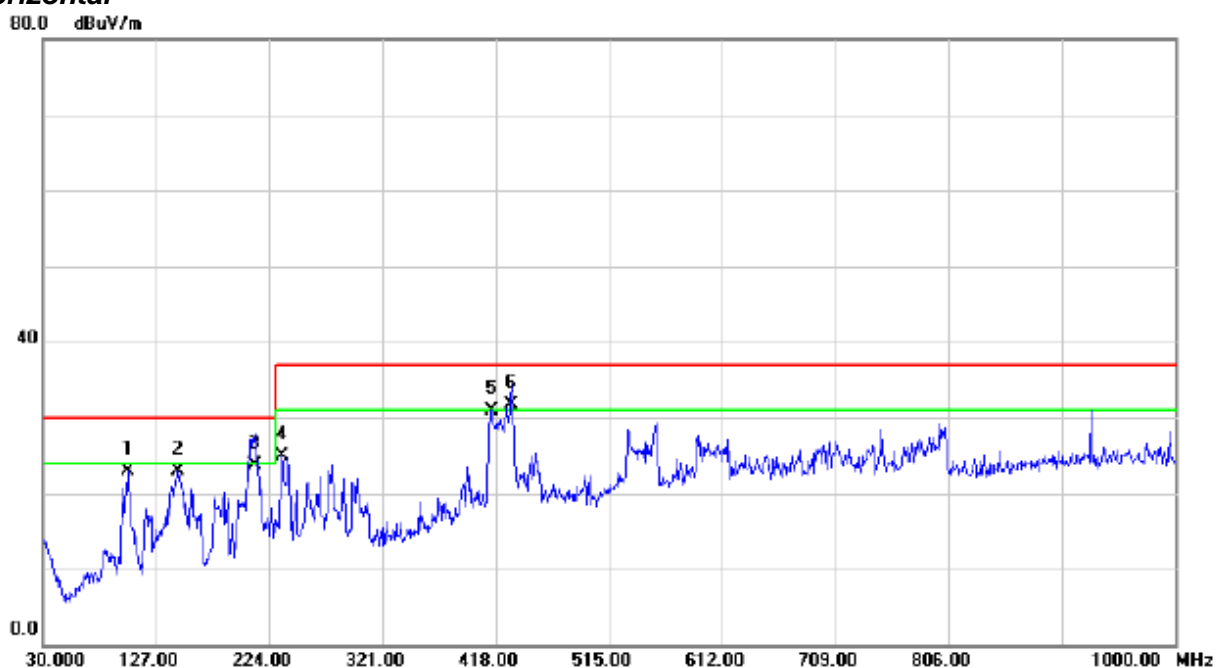
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		102.7500	40.26	-19.57	20.69	30.00	-9.31			QP
2		178.4100	38.62	-16.98	21.64	30.00	-8.36			QP
3	*	211.3900	41.06	-15.96	25.10	30.00	-4.90			QP
4		239.5200	43.45	-14.21	29.24	37.00	-7.76			QP
5	!	413.1500	40.11	-8.29	31.82	37.00	-5.18			QP
6	!	430.6100	39.60	-7.99	31.61	37.00	-5.39			QP

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 1920*1080/60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Vertical**



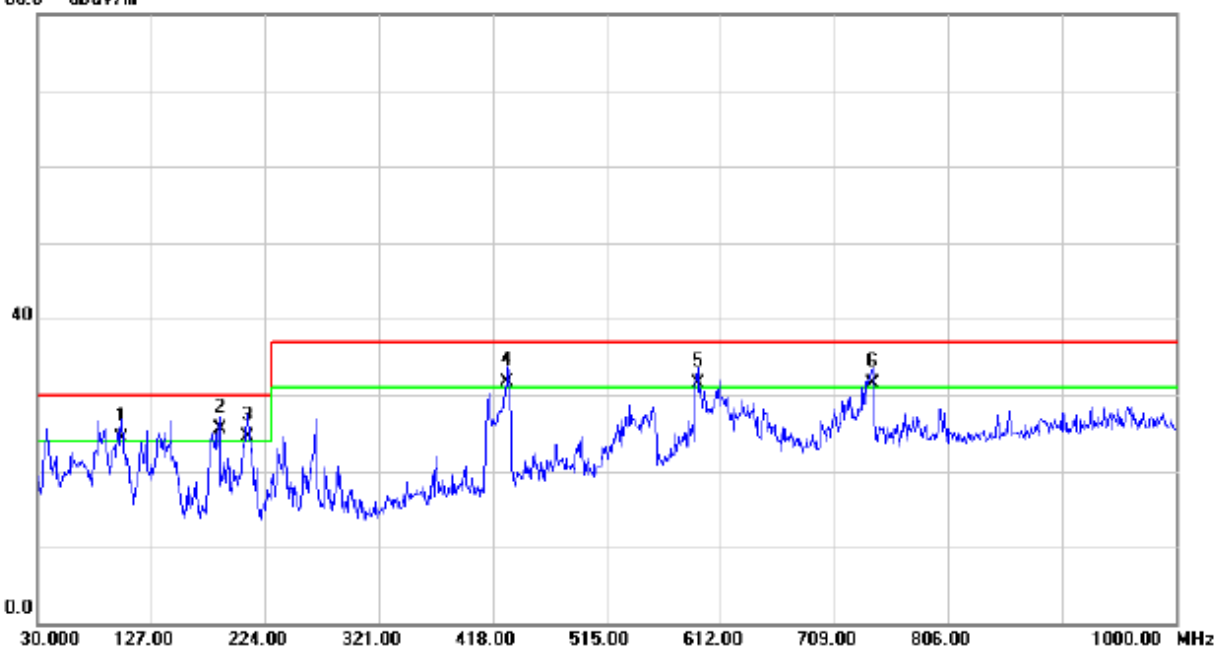
**Horizontal**



E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 640*480 60Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

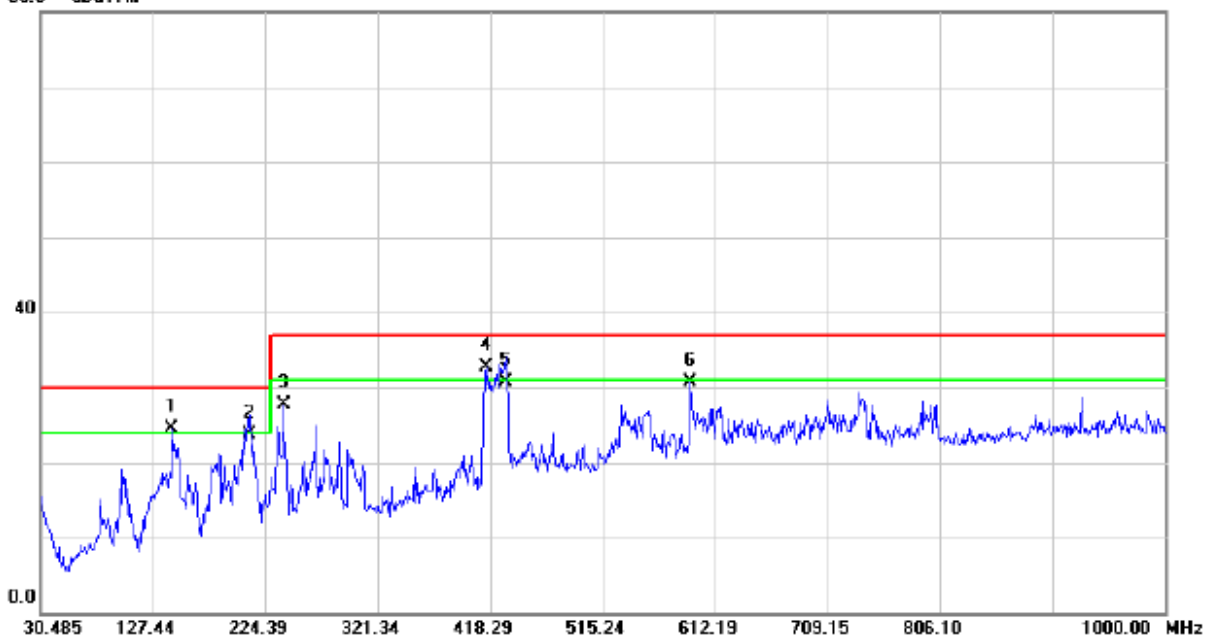
### Vertical

80.0 dBuV/m



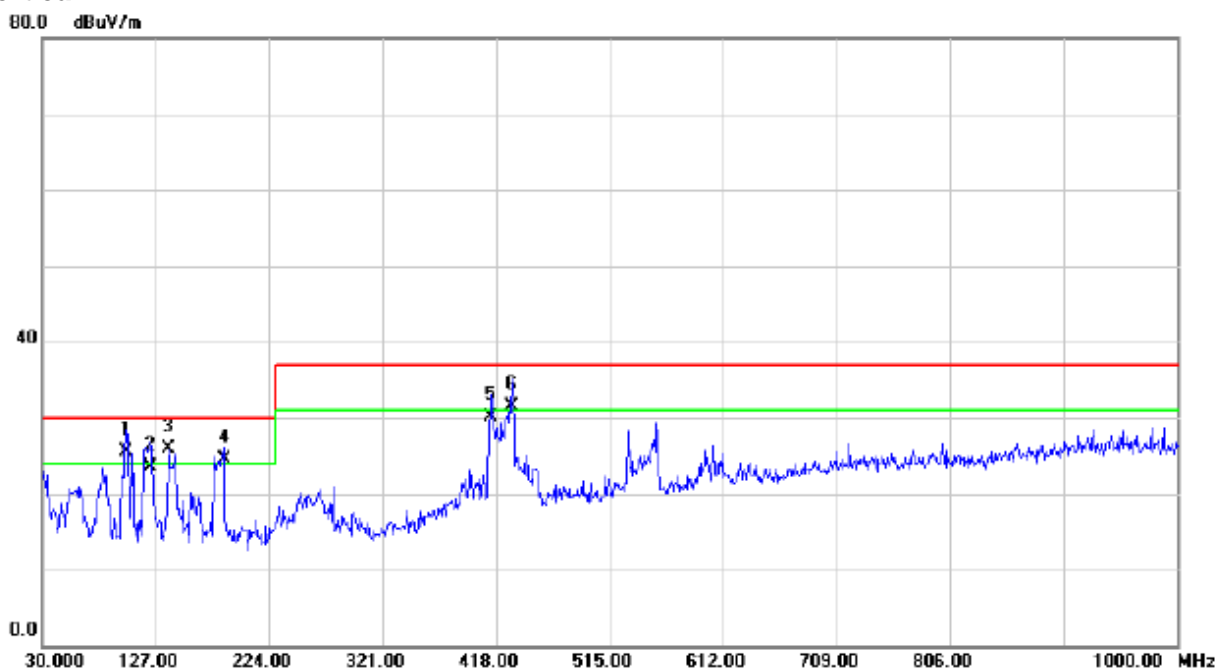
### Horizontal

80.0 dBuV/m



E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 2560*1440/60Hz Vertical Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

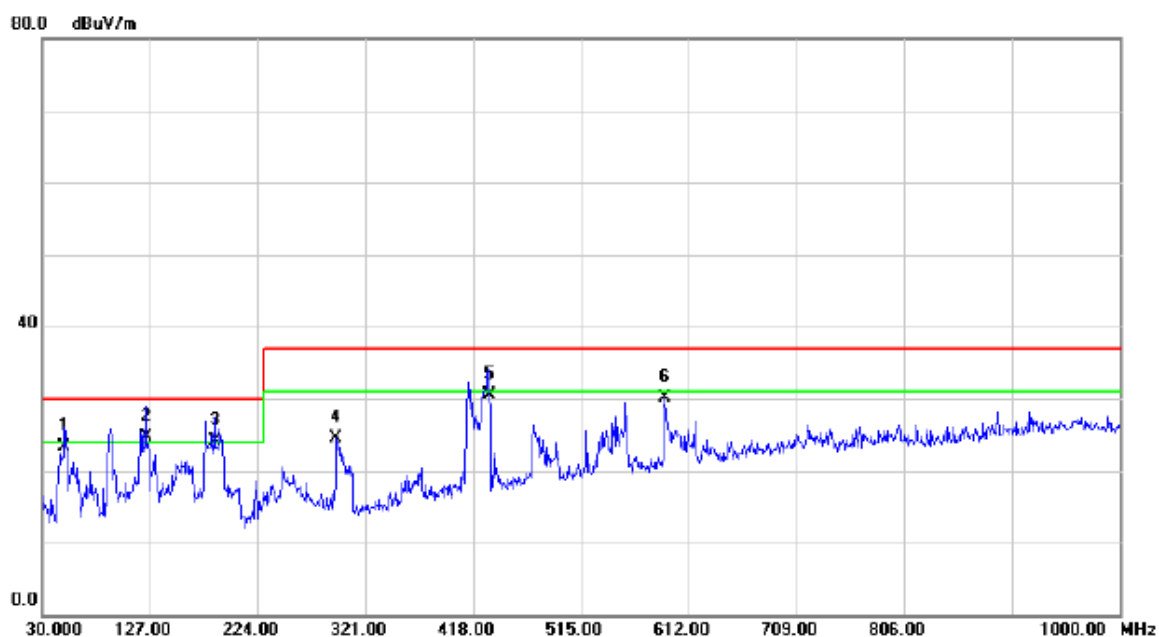
### Vertical



### Horizontal



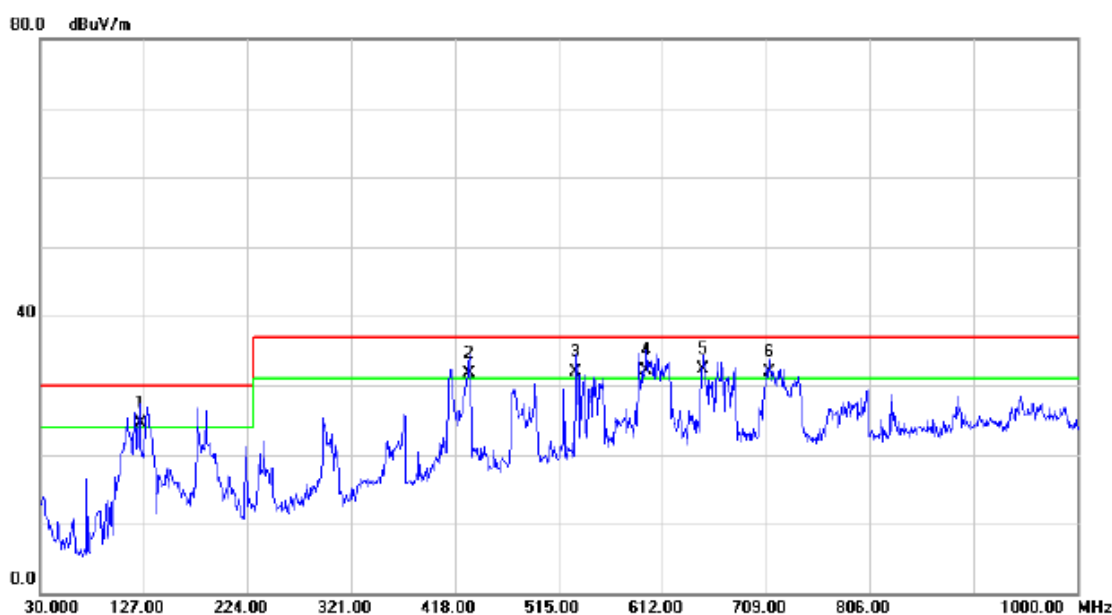
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	MHL 1080P 30Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+HDMI +MHL+Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	50.8550	42.85	-19.46	23.39	30.00	-6.61	QP			
2 *	123.1200	44.80	-20.06	24.74	30.00	-5.26	QP			
3 !	185.2000	40.30	-16.16	24.14	30.00	-5.86	QP			
4	295.2950	36.68	-12.13	24.55	37.00	-12.45	QP			
5	432.5500	38.62	-8.12	30.50	37.00	-6.50	QP			
6	591.1450	34.78	-4.76	30.02	37.00	-6.98	QP			



E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	MHL 1080P 30Hz Horizontal Rotation 1.8m D-SUB+DVI+Display+ HDMI+MHL+Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



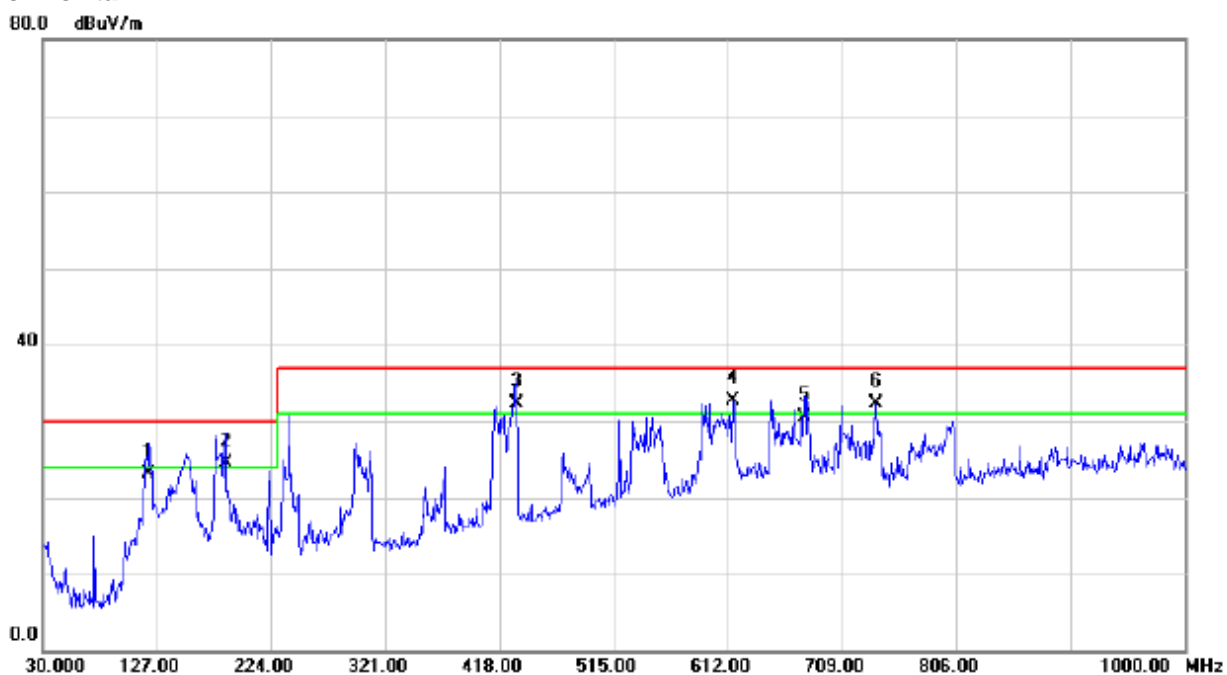
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	!	123.1200	45.20	-20.60	24.60	30.00	-5.40	QP		
2	!	431.5800	39.61	-7.95	31.66	37.00	-5.34	QP		
3	!	531.4900	36.40	-4.45	31.95	37.00	-5.05	QP		
4	!	597.4500	35.20	-3.09	32.11	37.00	-4.89	QP		
5	*	649.8300	35.10	-2.79	32.31	37.00	-4.69	QP		
6	!	711.9100	33.34	-1.52	31.82	37.00	-5.18	QP		

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	MHL 1080P 30Hz Vertical Rotation 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Vertical



### Horizontal

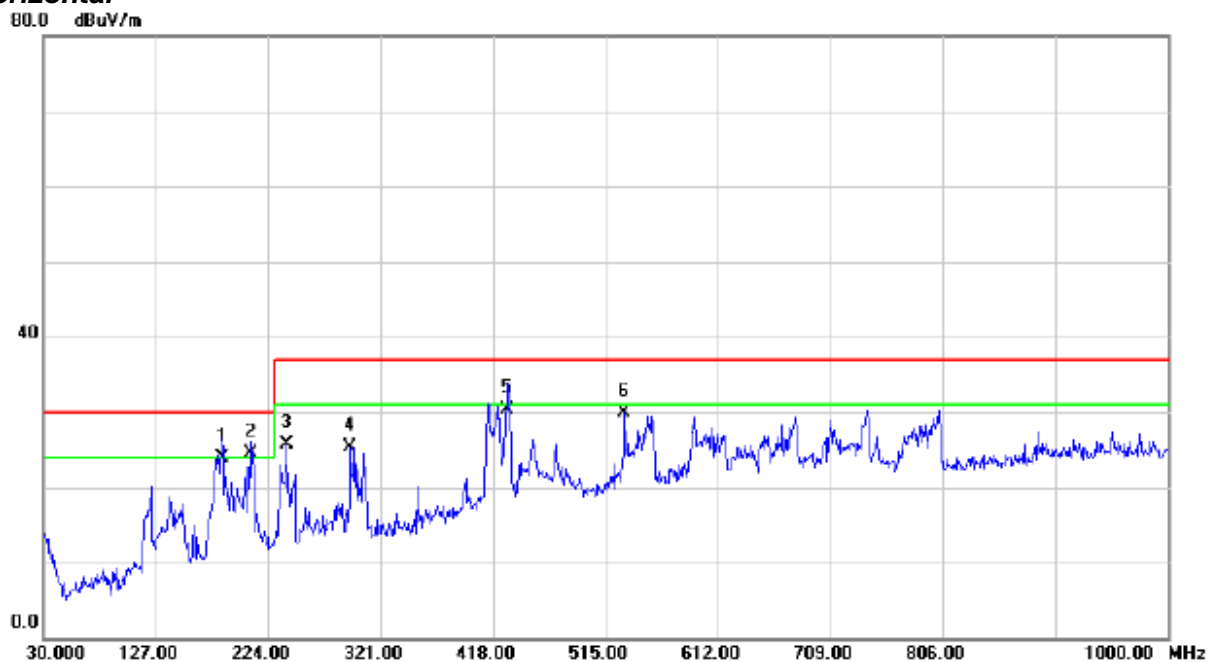


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz Horizontal Rotation 1.5m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Vertical**



**Horizontal**



E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	26° C	Relative Humidity :	60%
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz Vertical Rotation 1.5m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

### Vertical

80.0 dBuV/m



### Horizontal

80.0 dBuV/m

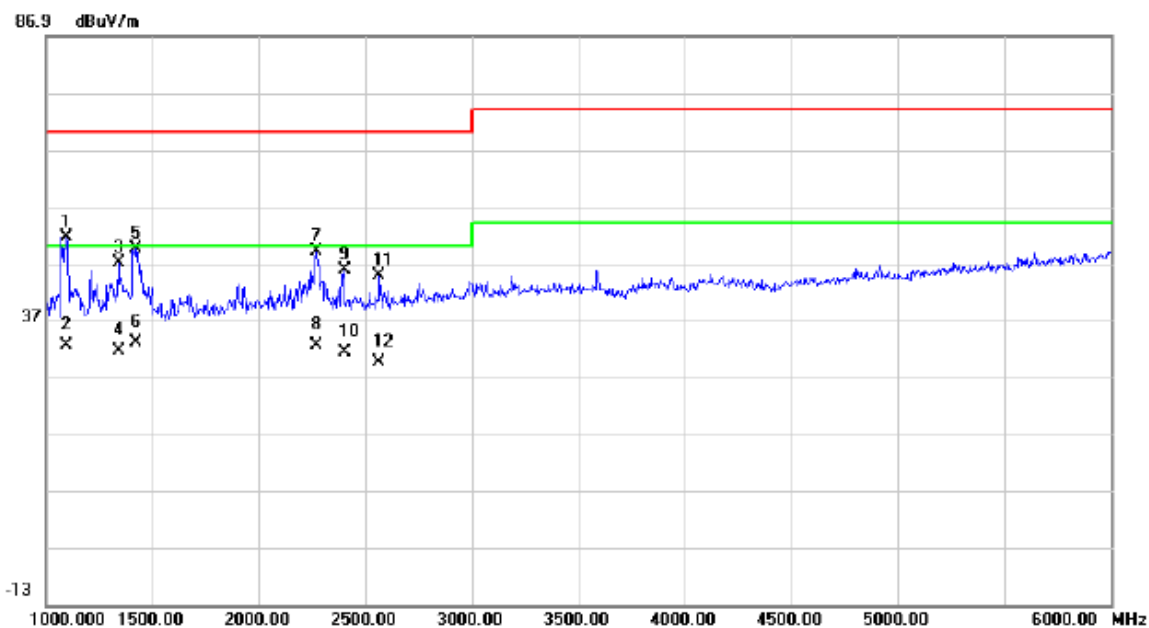


#### 4.2.9 TEST RESULTS-ABOVE 1000MHZ

Remark :

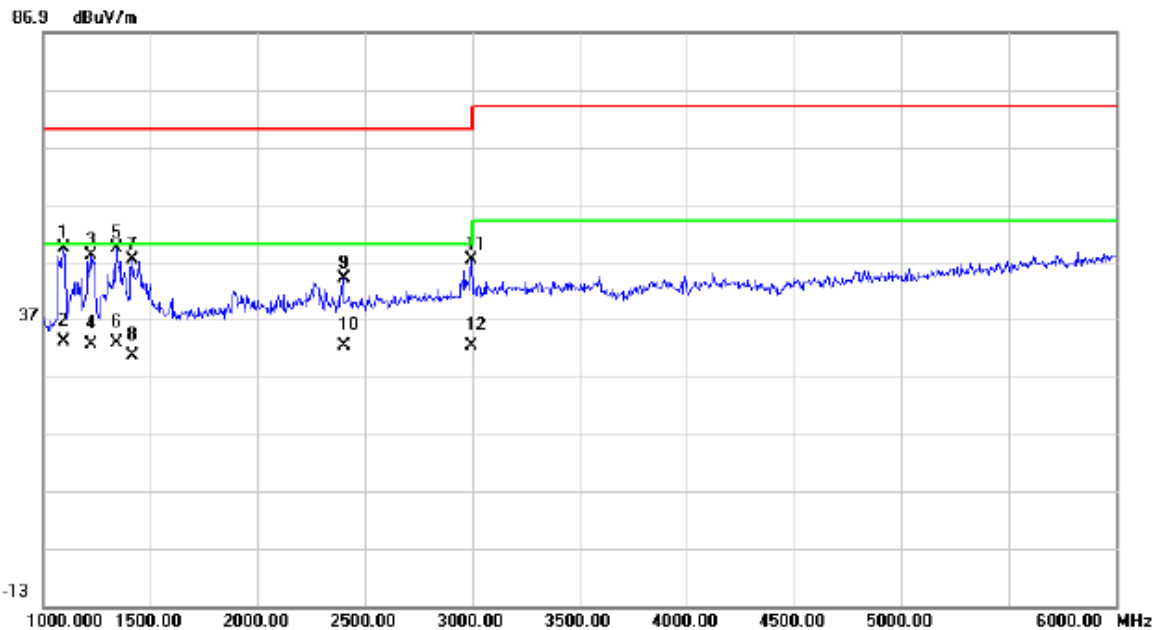
- (1) Reading in which marked as Peak or AVG means measurements by using are Peak Mode or AVG with Detector BW=1MHz ; SPA setting in RBW=1MHz, VBW =1MHz, Swp. Time = 0.3 sec./MHz, AVG Mode with detector BW=1MHz ; SPA setting in RBW=1MHz, VBW =10Hz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak 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 ◦
- (3) Measuring frequency range from 1GHz to 6GHz ◦
- (4) For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also Complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1920*1080 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



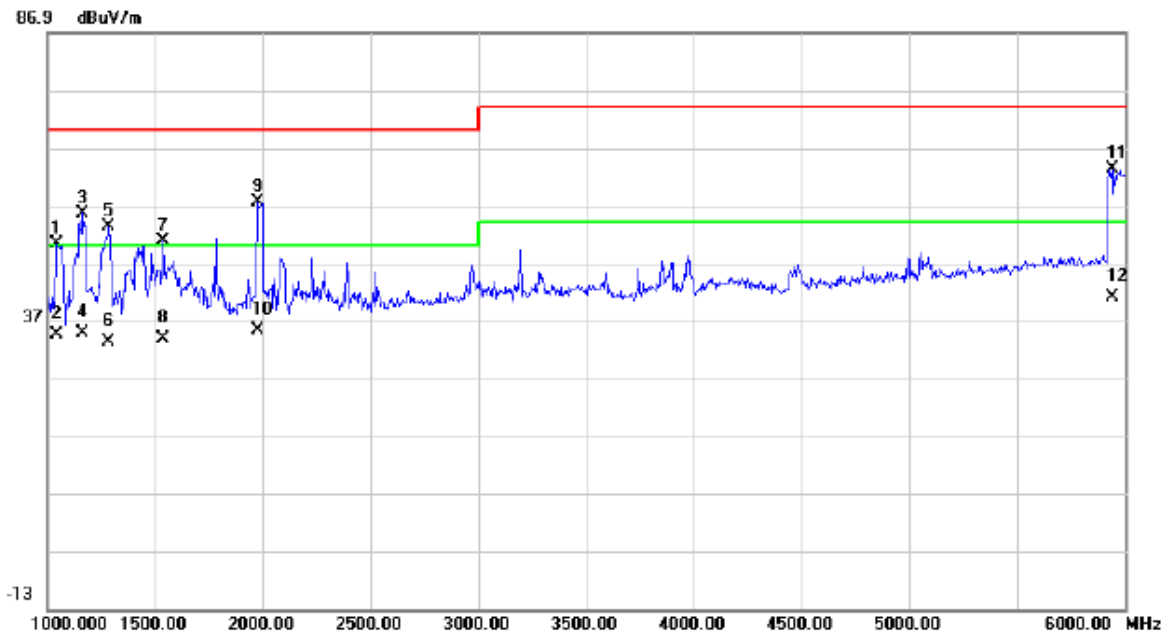
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	1095.000	61.73	-10.22	51.51	70.00	-18.49	peak	100	185	
2	1095.000	42.82	-10.22	32.60	50.00	-17.40	AVG	100	185	
3	1340.000	56.19	-9.24	46.95	70.00	-23.05	peak	100	200	
4	1340.000	40.71	-9.24	31.47	50.00	-18.53	AVG	100	200	
5	1420.000	58.48	-8.92	49.56	70.00	-20.44	peak	100	224	
6 *	1420.000	42.01	-8.92	33.09	50.00	-16.91	AVG	100	224	
7	2270.000	54.90	-5.83	49.07	70.00	-20.93	peak	100	2	
8	2270.000	38.32	-5.83	32.49	50.00	-17.51	AVG	100	2	
9	2400.000	51.35	-5.46	45.89	70.00	-24.11	peak	100	351	
10	2400.000	36.71	-5.46	31.25	50.00	-18.75	AVG	100	351	
11	2565.000	49.71	-4.85	44.86	70.00	-25.14	peak	100	305	
12	2565.000	34.50	-4.85	29.65	50.00	-20.35	AVG	100	305	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	D-SUB 1920*1080 60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		1095.000	59.45	-10.22	49.23	70.00	-20.77	peak	100	130
2	*	1095.000	43.15	-10.22	32.93	50.00	-17.07	AVG	100	130
3		1225.000	57.64	-9.69	47.95	70.00	-22.05	peak	100	146
4		1225.000	42.17	-9.69	32.48	50.00	-17.52	AVG	100	146
5		1340.000	58.59	-9.24	49.35	70.00	-20.65	peak	100	202
6		1340.000	41.99	-9.24	32.75	50.00	-17.25	AVG	100	202
7		1415.000	56.16	-8.94	47.22	70.00	-22.78	peak	100	130
8		1415.000	39.44	-8.94	30.50	50.00	-19.50	AVG	100	130
9		2400.000	49.43	-5.46	43.97	70.00	-26.03	peak	100	222
10		2400.000	37.63	-5.46	32.17	50.00	-17.83	AVG	100	222
11		2995.000	50.00	-2.67	47.33	70.00	-22.67	peak	100	210
12		2995.000	35.01	-2.67	32.34	50.00	-17.66	AVG	100	210

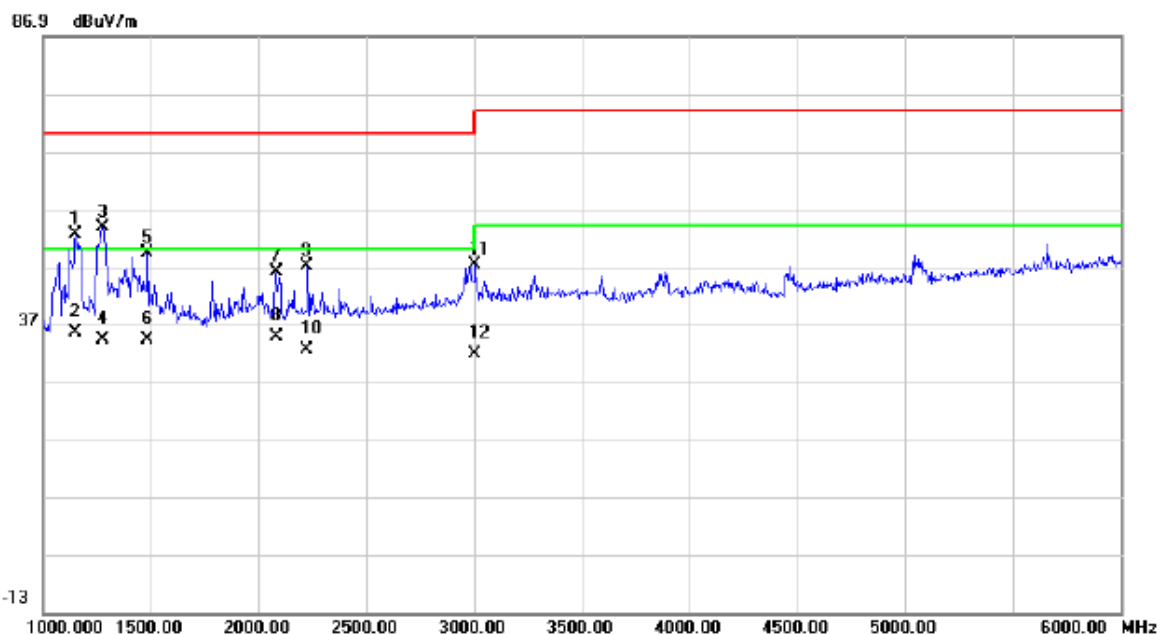
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	1040.000	60.71	-10.44	50.27	70.00	-19.73	peak	100	199	
2	1040.000	44.99	-10.44	34.55	50.00	-15.45	AVG	100	199	
3	1160.000	65.61	-9.96	55.65	70.00	-14.35	peak	100	203	
4	1160.000	44.62	-9.96	34.66	50.00	-15.34	AVG	100	203	
5	1285.000	62.76	-9.46	53.30	70.00	-16.70	peak	100	199	
6	1285.000	42.78	-9.46	33.32	50.00	-16.68	AVG	100	199	
7	1535.000	59.30	-8.46	50.84	70.00	-19.16	peak	100	199	
8	1535.000	42.12	-8.46	33.66	50.00	-16.34	AVG	100	199	
9	1975.000	64.31	-6.70	57.61	70.00	-12.39	peak	100	0	
10	1975.000	41.87	-6.70	35.17	50.00	-14.83	AVG	100	0	
11 *	5940.000	60.45	2.80	63.25	74.00	-10.75	peak	100	0	
12	5940.000	38.19	2.80	40.99	54.00	-13.01	AVG	100	0	

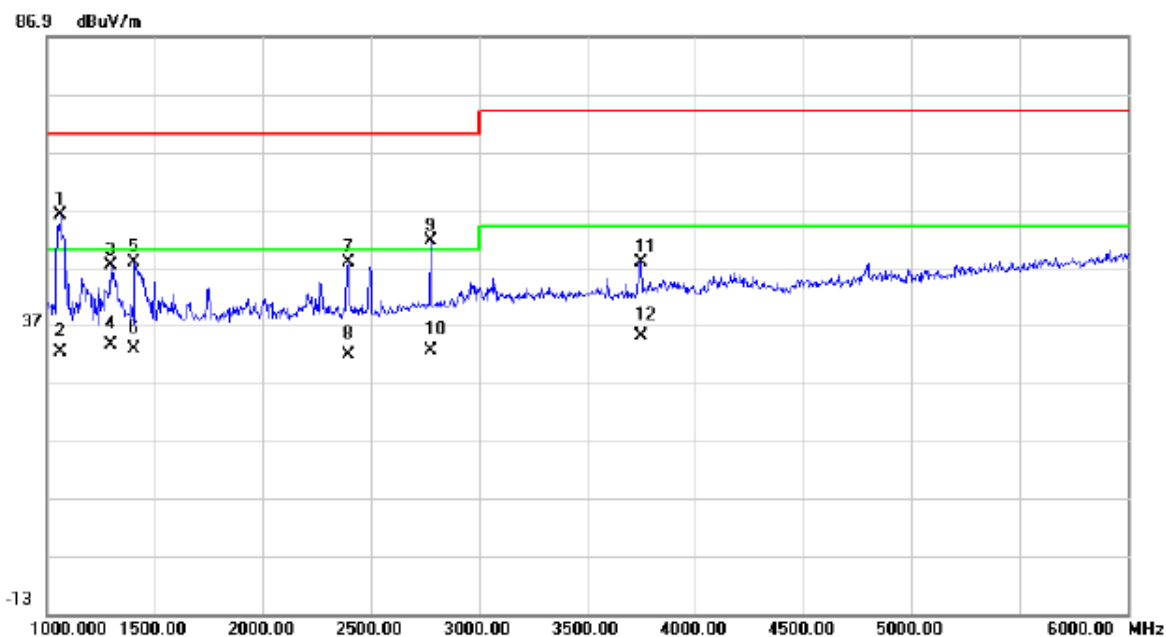


E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



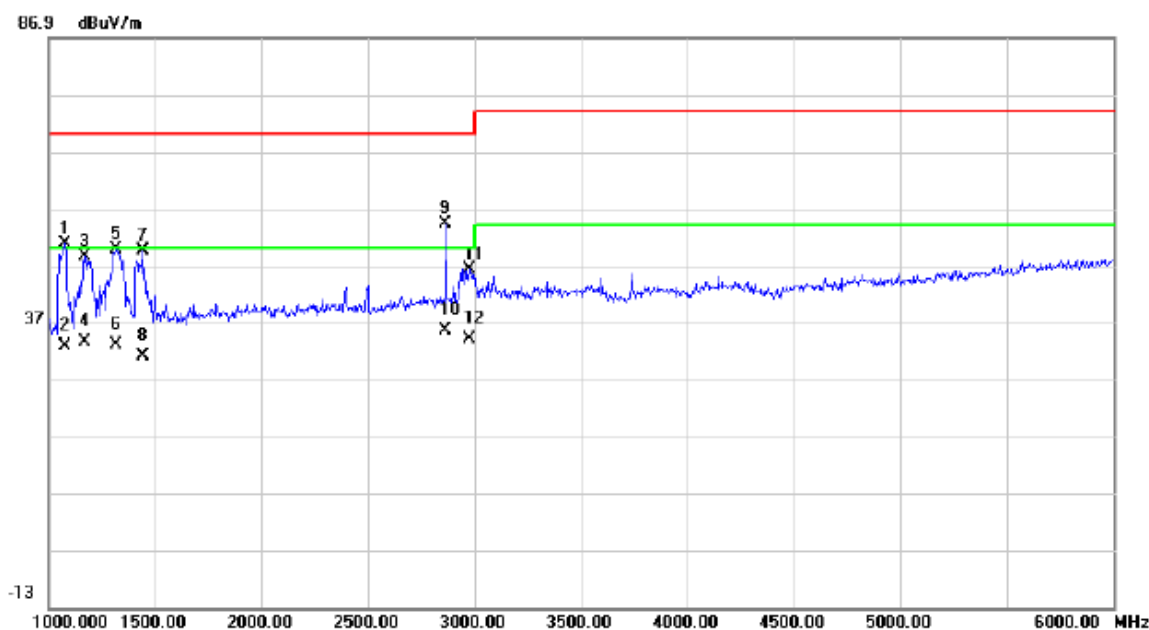
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1150.000	62.65	-10.00	52.65	70.00	-17.35	peak	100	190
2	*	1150.000	45.41	-10.00	35.41	50.00	-14.59	AVG	100	190
3		1275.000	63.30	-9.50	53.80	70.00	-16.20	peak	100	150
4		1275.000	43.73	-9.50	34.23	50.00	-15.77	AVG	100	150
5		1485.000	57.99	-8.66	49.33	70.00	-20.67	peak	100	183
6		1485.000	43.03	-8.66	34.37	50.00	-15.63	AVG	100	183
7		2080.000	52.48	-6.37	46.11	70.00	-23.89	peak	100	138
8		2080.000	41.12	-6.37	34.75	50.00	-15.25	AVG	100	138
9		2225.000	53.05	-5.96	47.09	70.00	-22.91	peak	100	118
10		2225.000	38.49	-5.96	32.53	50.00	-17.47	AVG	100	118
11		3005.000	49.81	-2.64	47.17	74.00	-26.83	peak	100	163
12		3005.000	34.36	-2.64	31.72	54.00	-22.28	AVG	100	163

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



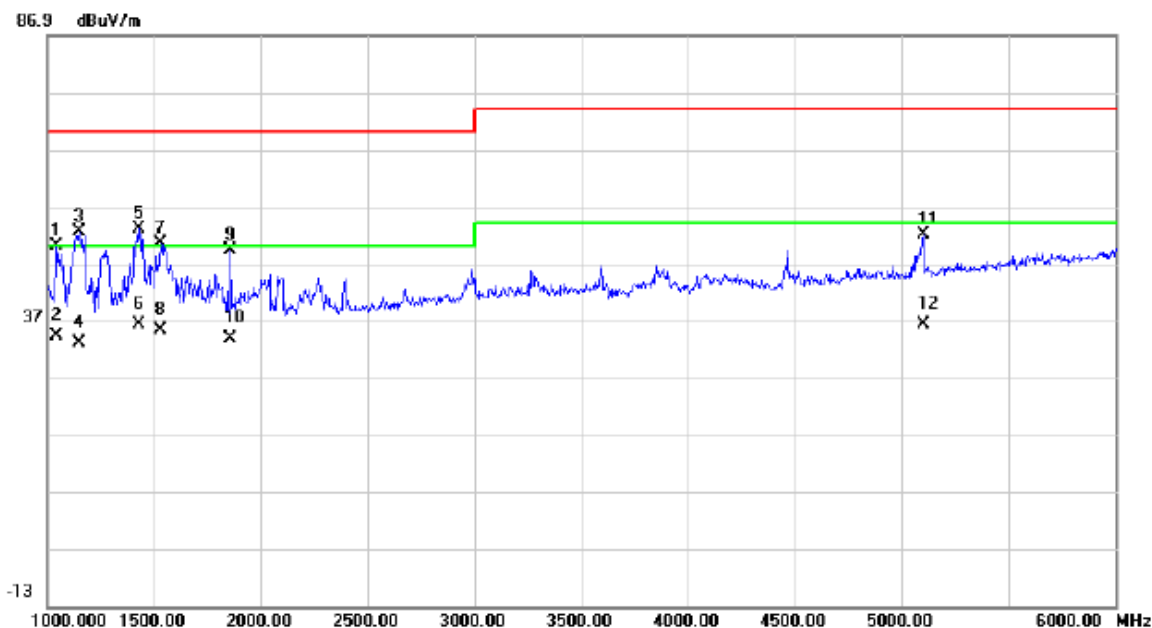
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	1060.000	66.28	-10.36	55.92	70.00	-14.08	peak	100	193
2		1060.000	42.70	-10.36	32.34	50.00	-17.66	AVG	100	193
3		1295.000	56.64	-9.42	47.22	70.00	-22.78	peak	100	228
4		1295.000	42.83	-9.42	33.41	50.00	-16.59	AVG	100	228
5		1405.000	56.65	-8.98	47.67	70.00	-22.33	peak	100	212
6		1405.000	41.75	-8.98	32.77	50.00	-17.23	AVG	100	212
7		2395.000	53.29	-5.47	47.82	70.00	-22.18	peak	100	359
8		2395.000	37.17	-5.47	31.70	50.00	-18.30	AVG	100	359
9		2775.000	55.36	-3.78	51.58	70.00	-18.42	peak	100	278
10		2775.000	36.27	-3.78	32.49	50.00	-17.51	AVG	100	278
11		3750.000	48.66	-0.76	47.90	74.00	-26.10	peak	100	329
12		3750.000	35.71	-0.76	34.95	54.00	-19.05	AVG	100	329

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	Display 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



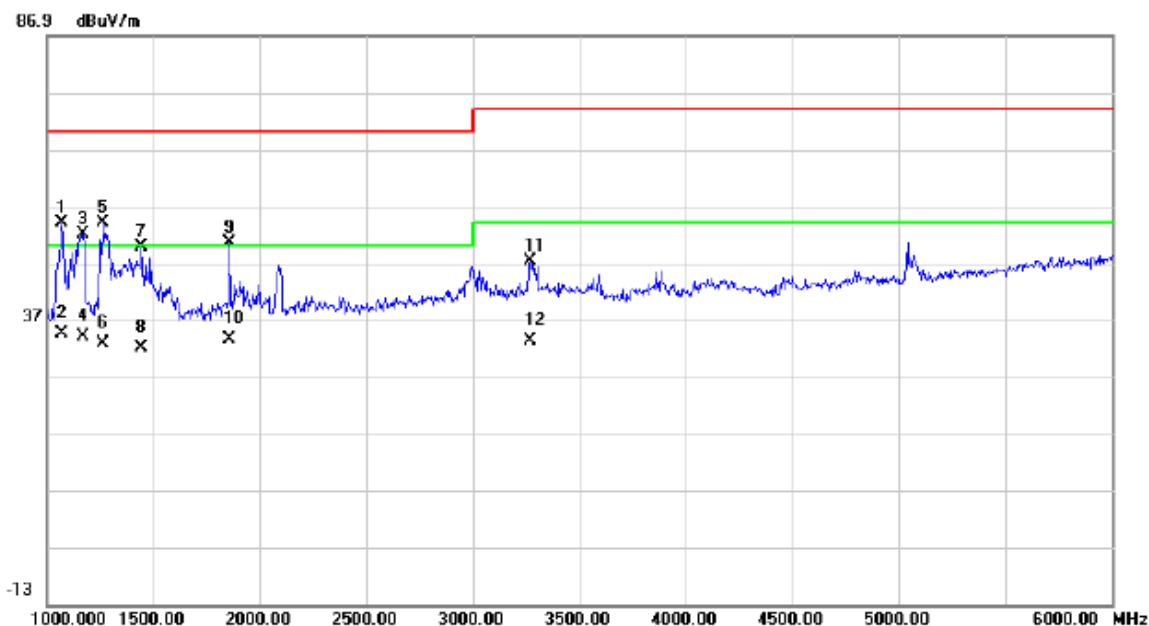
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	1075.000	61.19	-10.29	50.90	70.00	-19.10	peak	100	196	
2	1075.000	43.10	-10.29	32.81	50.00	-17.19	AVG	100	196	
3	1170.000	58.49	-9.92	48.57	70.00	-21.43	peak	100	196	
4	1170.000	43.42	-9.92	33.50	50.00	-16.50	AVG	100	196	
5	1315.000	59.17	-9.34	49.83	70.00	-20.17	peak	100	211	
6	1315.000	42.47	-9.34	33.13	50.00	-16.87	AVG	100	211	
7	1440.000	58.36	-8.84	49.52	70.00	-20.48	peak	100	2	
8	1440.000	39.94	-8.84	31.10	50.00	-18.90	AVG	100	2	
9	2865.000	57.59	-3.33	54.26	70.00	-15.74	peak	100	192	
10 *	2865.000	38.84	-3.33	35.51	50.00	-14.49	AVG	100	192	
11	2975.000	49.10	-2.77	46.33	70.00	-23.67	peak	100	112	
12	2975.000	36.71	-2.77	33.94	50.00	-16.06	AVG	100	112	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



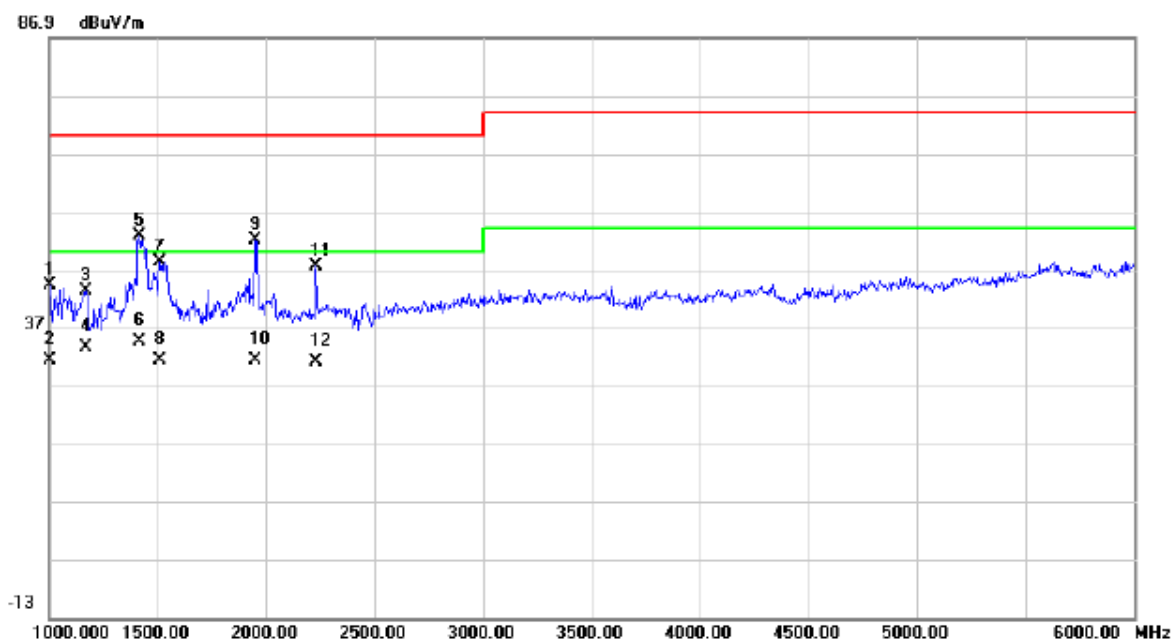
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	1045.000	60.57	-10.42	50.15	70.00	-19.85	peak	100	195	
2	1045.000	44.65	-10.42	34.23	50.00	-15.77	AVG	100	195	
3	1150.000	62.48	-10.00	52.48	70.00	-17.52	peak	100	199	
4	1150.000	42.94	-10.00	32.94	50.00	-17.06	AVG	100	199	
5	1430.000	62.00	-8.88	53.12	70.00	-16.88	peak	100	195	
6 *	1430.000	45.25	-8.88	36.37	50.00	-13.63	AVG	100	195	
7	1530.000	59.03	-8.48	50.55	70.00	-19.45	peak	100	199	
8	1530.000	43.77	-8.48	35.29	50.00	-14.71	AVG	100	199	
9	1855.000	56.36	-7.18	49.18	70.00	-20.82	peak	100	84	
10	1855.000	41.05	-7.18	33.87	50.00	-16.13	AVG	100	84	
11	5100.000	51.13	0.96	52.09	74.00	-21.91	peak	100	298	
12	5100.000	35.42	0.96	36.38	54.00	-17.62	AVG	100	298	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	HDMI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



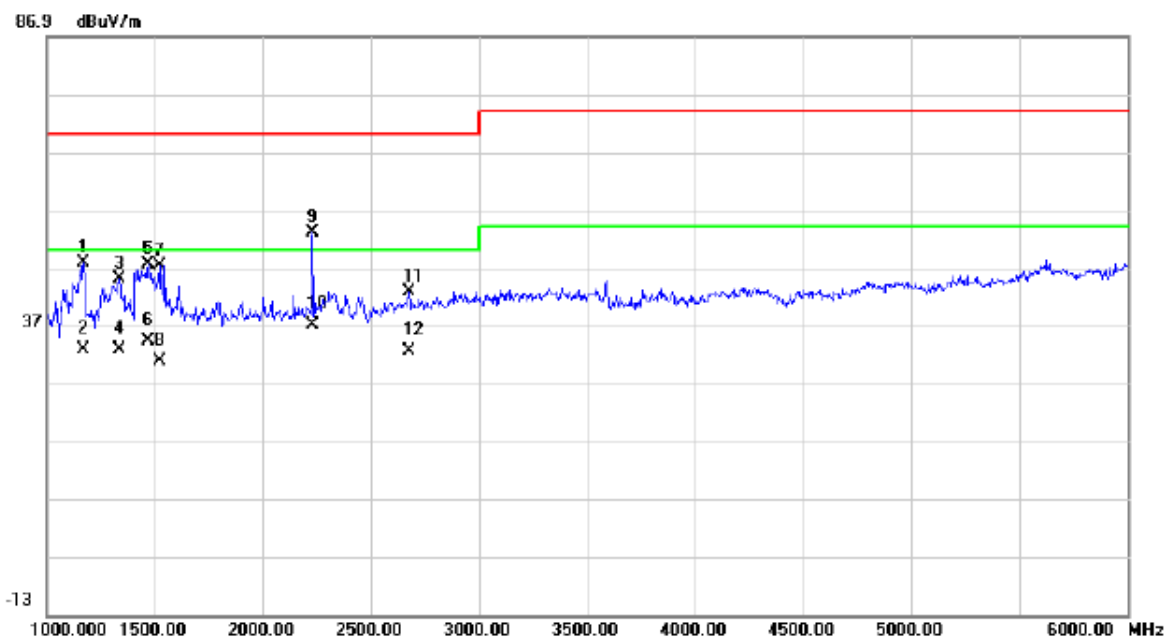
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	1070.000	64.26	-10.32	53.94	70.00	-16.06	peak	100	195	
2 *	1070.000	44.79	-10.32	34.47	50.00	-15.53	AVG	100	195	
3	1170.000	61.95	-9.92	52.03	70.00	-17.97	peak	100	190	
4	1170.000	43.90	-9.92	33.98	50.00	-16.02	AVG	100	190	
5	1265.000	63.69	-9.54	54.15	70.00	-15.85	peak	100	134	
6	1265.000	42.36	-9.54	32.82	50.00	-17.18	AVG	100	134	
7	1445.000	58.57	-8.82	49.75	70.00	-20.25	peak	100	219	
8	1445.000	40.86	-8.82	32.04	50.00	-17.96	AVG	100	219	
9	1855.000	57.83	-7.18	50.65	70.00	-19.35	peak	100	142	
10	1855.000	40.68	-7.18	33.50	50.00	-16.50	AVG	100	142	
11	3270.000	49.11	-1.88	47.23	74.00	-26.77	peak	100	195	
12	3270.000	35.17	-1.88	33.29	54.00	-20.71	AVG	100	195	

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	MHL 1080P 30Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



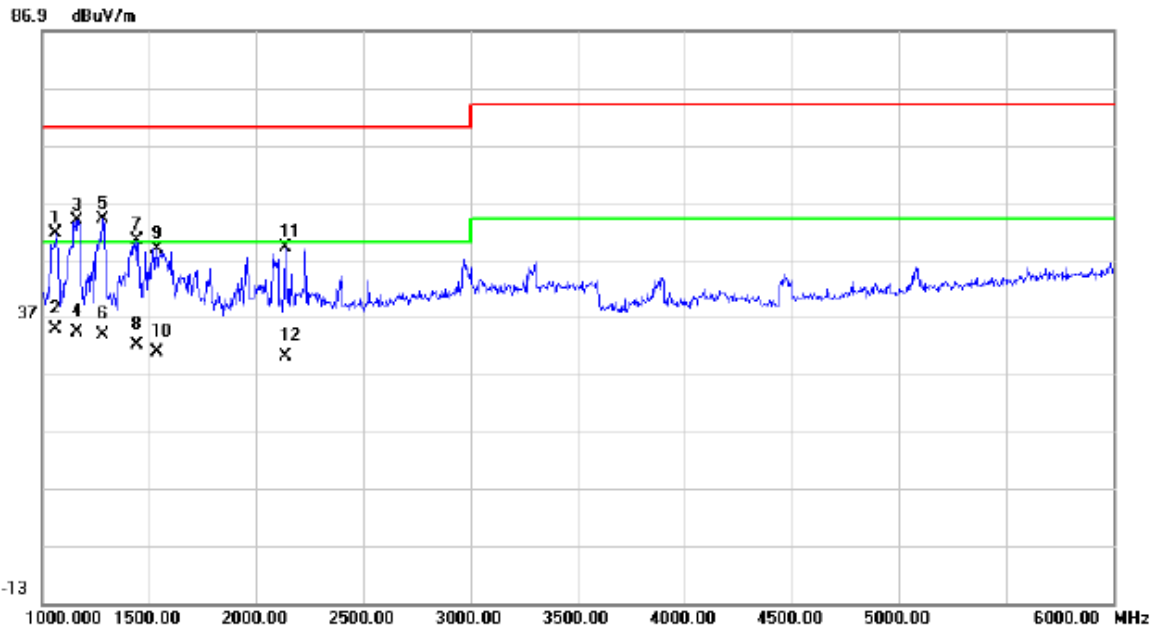
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	1005.000	54.94	-10.58	44.36	70.00	-25.64	peak	100	217
2	1005.000	41.82	-10.58	31.24	50.00	-18.76	AVG	100	217
3	1170.000	53.08	-9.92	43.16	70.00	-26.84	peak	100	220
4	1170.000	43.40	-9.92	33.48	50.00	-16.52	AVG	100	220
5	1415.000	61.73	-8.94	52.79	70.00	-17.21	peak	100	212
6 *	1415.000	43.50	-8.94	34.56	50.00	-15.44	AVG	100	212
7	1510.000	56.96	-8.56	48.40	70.00	-21.60	peak	100	188
8	1510.000	39.74	-8.56	31.18	50.00	-18.82	AVG	100	188
9	1950.000	58.82	-6.80	52.02	70.00	-17.98	peak	100	212
10	1950.000	38.19	-6.80	31.39	50.00	-18.61	AVG	100	212
11	2230.000	53.37	-5.95	47.42	70.00	-22.58	peak	100	85
12	2230.000	37.03	-5.95	31.08	50.00	-18.92	AVG	100	85

E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	MHL 1080P 30Hz 1.8m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	1170.000	57.71	-9.92	47.79	70.00	-22.21	peak	100	194
2	1170.000	42.75	-9.92	32.83	50.00	-17.17	AVG	100	194
3	1335.000	54.34	-9.26	45.08	70.00	-24.92	peak	100	222
4	1335.000	41.94	-9.26	32.68	50.00	-17.32	AVG	100	222
5	1470.000	56.34	-8.72	47.62	70.00	-22.38	peak	100	2
6	1470.000	42.97	-8.72	34.25	50.00	-15.75	AVG	100	2
7	1520.000	55.86	-8.52	47.34	70.00	-22.66	peak	100	227
8	1520.000	39.29	-8.52	30.77	50.00	-19.23	AVG	100	227
9	2230.000	58.89	-5.95	52.94	70.00	-17.06	peak	100	29
10 *	2230.000	42.86	-5.95	36.91	50.00	-13.09	AVG	100	29
11	2675.000	47.04	-4.29	42.75	70.00	-27.25	peak	100	2
12	2675.000	36.83	-4.29	32.54	50.00	-17.46	AVG	100	2

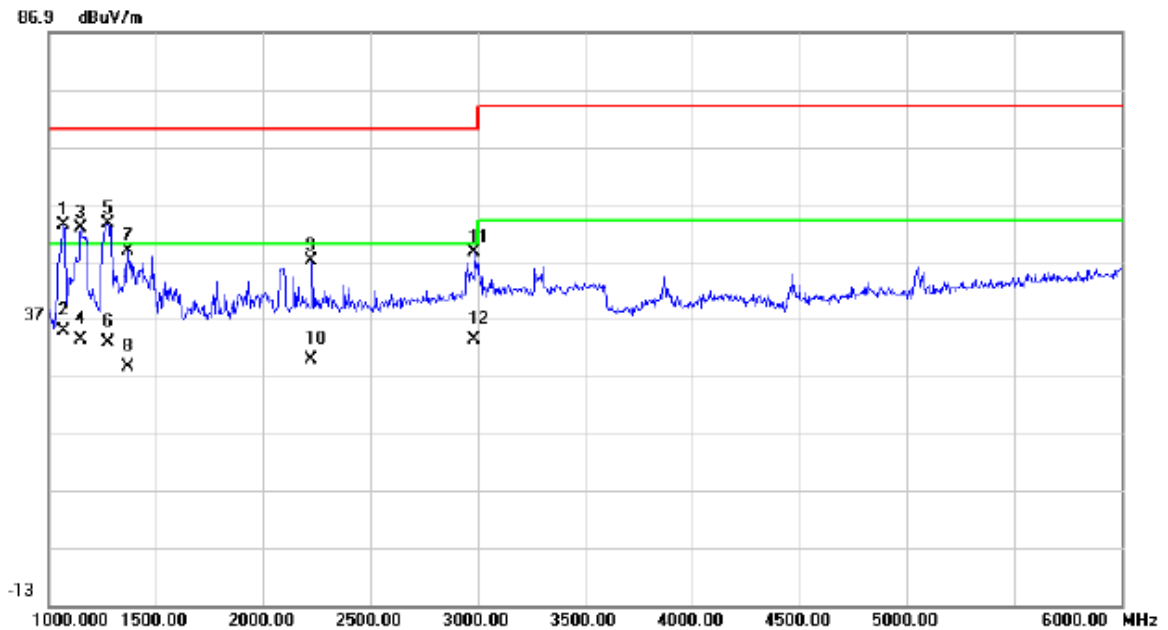
E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.5m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Vertical
Test Engineer :	Lucky Mao		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	1065.000	61.91	-10.34	51.57	70.00	-18.43	peak	100	196	
2 *	1065.000	45.12	-10.34	34.78	50.00	-15.22	AVG	100	196	
3	1160.000	63.84	-9.96	53.88	70.00	-16.12	peak	100	208	
4	1160.000	44.28	-9.96	34.32	50.00	-15.68	AVG	100	208	
5	1285.000	63.37	-9.46	53.91	70.00	-16.09	peak	100	196	
6	1285.000	43.33	-9.46	33.87	50.00	-16.13	AVG	100	196	
7	1440.000	59.21	-8.84	50.37	70.00	-19.63	peak	100	205	
8	1440.000	40.88	-8.84	32.04	50.00	-17.96	AVG	100	205	
9	1535.000	57.28	-8.46	48.82	70.00	-21.18	peak	100	0	
10	1535.000	39.12	-8.46	30.66	50.00	-19.34	AVG	100	0	
11	2135.000	55.24	-6.22	49.02	70.00	-20.98	peak	100	275	
12	2135.000	36.36	-6.22	30.14	50.00	-19.86	AVG	100	275	



E.U.T :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	55 %
Pressure :	1013 hPa	Test Voltage :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.5m D-SUB+DVI+Display+HDMI+MHL +Audio cable	Polarization:	Horizontal
Test Engineer :	Lucky Mao		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		1070.000	63.48	-10.32	53.16	70.00	-16.84	peak	100	244	
2	*	1070.000	45.09	-10.32	34.77	50.00	-15.23	AVG	100	244	
3		1150.000	62.66	-10.00	52.66	70.00	-17.34	peak	100	195	
4		1150.000	43.33	-10.00	33.33	50.00	-16.67	AVG	100	195	
5		1275.000	63.11	-9.50	53.61	70.00	-16.39	peak	100	146	
6		1275.000	42.39	-9.50	32.89	50.00	-17.11	AVG	100	146	
7		1370.000	57.83	-9.12	48.71	70.00	-21.29	peak	100	231	
8		1370.000	37.55	-9.12	28.43	50.00	-21.57	AVG	100	231	
9		2225.000	52.96	-5.96	47.00	70.00	-23.00	peak	100	117	
10		2225.000	35.69	-5.96	29.73	50.00	-20.27	AVG	100	117	
11		2985.000	51.16	-2.73	48.43	70.00	-21.57	peak	100	162	
12		2985.000	36.12	-2.73	33.39	50.00	-16.61	AVG	100	162	

### 4.3 HARMONICS CURRENT MEASUREMENT

#### 4.3.1 LIMITS OF HARMONICS CURRENT MEASUREMENT

EN 61000-3-2/IEC 61000-3-2						
Equipment Category	Harmonic Order n	Max. Permissible Harmonic Current A	Equipment Category	Harmonic Order n	Max. Permissible Harmonic Current A      mA/w	
Class A	Odd Harmonics		Class D	Odd Harmonics only		
	3	2.30		3	2.30	3.4
	5	1.14		5	1.14	1.9
	7	0.77		7	0.77	1.0
	9	0.40		9	0.40	0.5
	11	0.33		11	0.33	0.35
	13	0.21		13	0.21	0.30
	15 ≤ n ≤ 39	0.15 x 15/n		15 ≤ n ≤ 39	0.15 x 15/n	3.85/n
	Even Harmonics					
	2	1.08				
	4	0.43				
	6	0.30				
	8 ≤ n ≤ 40	0.23 x 8/n				

#### 4.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Harmonic & Flicker	California	PACS-1	72344	Jan. 16, 2015
2	Power Source	California	3001iX	56309	Jan. 16, 2015
3	Measurement Software	California	CTS3.0 Version 3.2.0.35	N/A	N/A

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

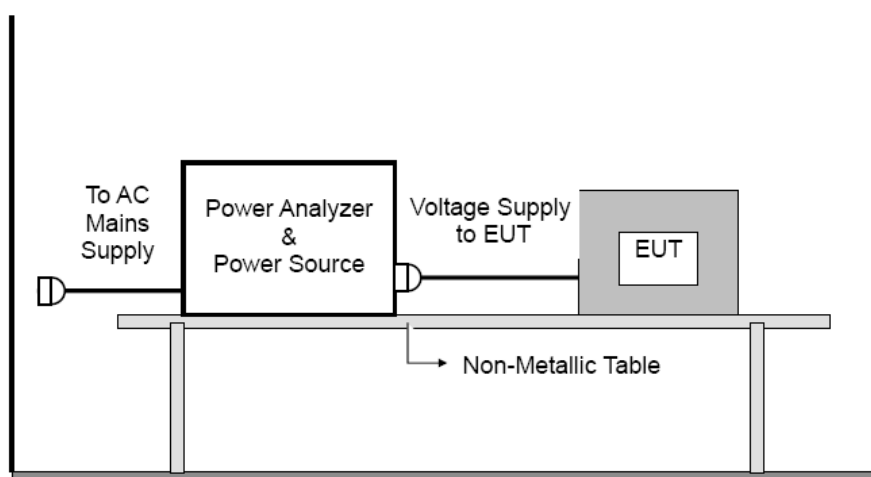
#### 4.3.3 TEST PROCEDURE

- 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 classification of EUT is according to section 5 of EN 61000-3-2: 2006+A1:2009+A2:2009. The EUT is classified as follows:
  - Class A: Balanced three-phase equipment, Household appliances excluding equipment as Class D, Tools excluding portable tools, Dimmers for incandescent lamps, audio equipment, equipment not specified in one of the three other classes.
  - Class B: Portable tools. Arc welding equipment which is not professional equipment.
  - Class C: Lighting equipment.
  - Class D: Equipment having a specified power less than or equal to 600W of the following types: Personal computers and personal computer monitors and television receivers.
- c. 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.
- d. 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



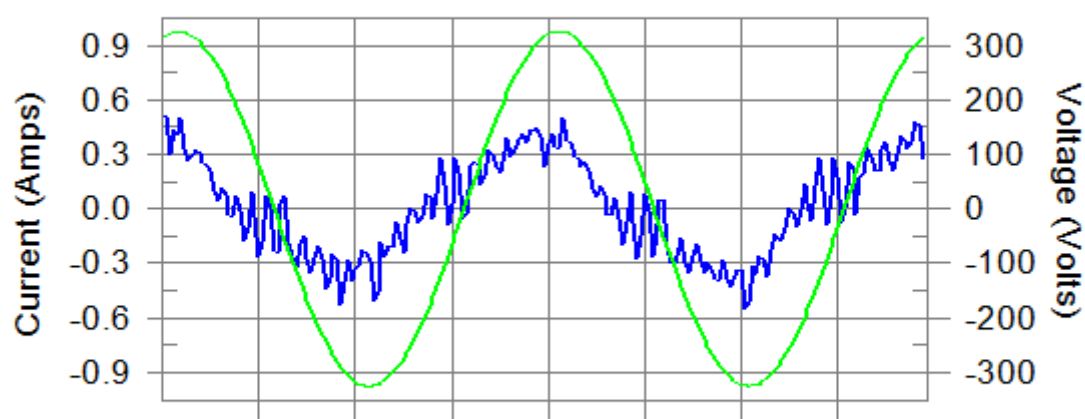
#### 4.3.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

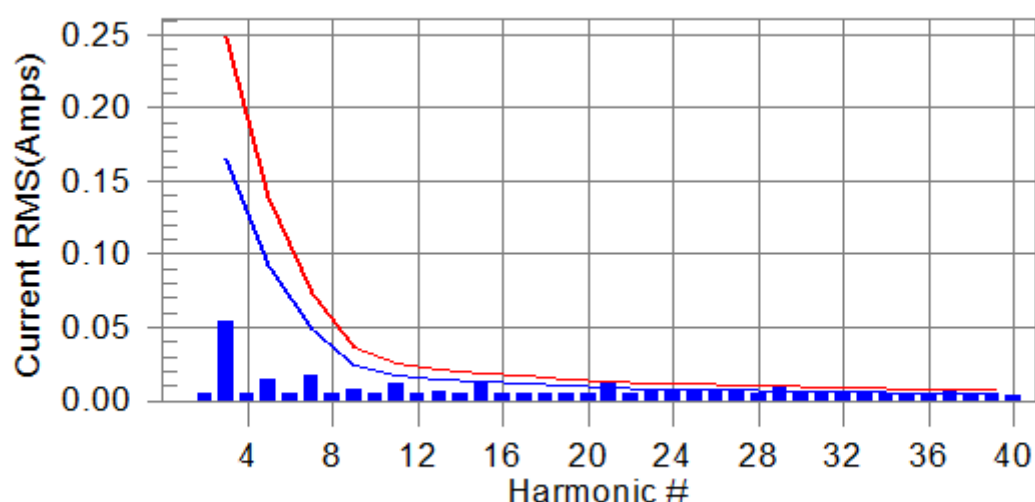
### 4.3.7 TEST RESULTS

Harmonics – Class-D per Ed. 3.2(Run time)			
EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	23° C	Relative Humidity :	50 %
Pressure :	1007 hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

#### Current & voltage waveforms



#### Harmonics and Class D limit line      European Limits



**Test result: N/L      Worst harmonic was #0 with 0.00% of the limit.**

### Current Test Result Summary (Run time)

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	23° C	Relative Humidity :	50 %
Pressure :	1007 hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Highest parameter values during test:**

V RMS (Volts):	230.12	Frequency(Hz):	50.00
I Peak (Amps):	0.692	I RMS (Amps):	0.268
I Fund (Amps):	0.243	Crest Factor:	2.623
Power (Watts):	48.7	Power Factor:	0.800

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.004						
3	0.052	0.166	0.0	0.054	0.248	0.00	N/L
4	0.005						
5	0.013	0.093	0.0	0.014	0.139	0.00	N/L
6	0.004						
7	0.016	0.049	0.0	0.017	0.073	0.00	N/L
8	0.005						
9	0.007	0.024	0.0	0.008	0.037	0.00	N/L
10	0.005						
11	0.011	0.017	0.0	0.012	0.026	0.00	N/L
12	0.005						
13	0.005	0.015	0.0	0.006	0.022	0.00	N/L
14	0.005						
15	0.011	0.013	0.0	0.012	0.019	0.00	N/L
16	0.005						
17	0.004	0.011	0.0	0.005	0.017	0.00	N/L
18	0.005						
19	0.004	0.010	0.0	0.005	0.015	0.00	N/L
20	0.005						
21	0.012	0.009	0.0	0.013	0.013	0.00	N/L
22	0.005						
23	0.007	0.008	0.0	0.008	0.012	0.00	N/L
24	0.006						
25	0.005	0.007	0.0	0.006	0.011	0.00	N/L
26	0.006						
27	0.007	0.007	0.0	0.008	0.010	0.00	N/L
28	0.005						
29	0.008	0.006	0.0	0.008	0.010	0.00	N/L
30	0.005						
31	0.005	0.006	0.0	0.005	0.009	0.00	N/L
32	0.005						
33	0.004	0.006	0.0	0.005	0.009	0.00	N/L
34	0.005						
35	0.005	0.005	0.0	0.005	0.008	0.00	N/L
36	0.005						
37	0.005	0.005	0.0	0.006	0.008	0.00	N/L
38	0.005						
39	0.005	0.005	0.0	0.005	0.007	0.00	N/L
40	0.004						

*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	Model Name :	320LM00001
Temperature :	23° C	Relative Humidity :	50 %
Pressure :	1007 hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Highest parameter values during test:**

Voltage (Vrms): 230.12	Frequency(Hz): 50.00
I <sub>Peak</sub> (Amps): 0.692	I <sub>RMS</sub> (Amps): 0.268
I <sub>Fund</sub> (Amps): 0.243	Crest Factor: 2.623
Power (Watts): 48.7	Power Factor: 0.800

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.113	0.460	24.53	OK
3	0.570	2.070	27.53	OK
4	0.063	0.460	13.65	OK
5	0.074	0.920	8.08	OK
6	0.028	0.460	6.13	OK
7	0.037	0.690	5.31	OK
8	0.017	0.460	3.73	OK
9	0.044	0.460	9.47	OK
10	0.020	0.460	4.36	OK
11	0.027	0.230	11.75	OK
12	0.020	0.230	8.59	OK
13	0.024	0.230	10.60	OK
14	0.011	0.230	4.88	OK
15	0.017	0.230	7.53	OK
16	0.014	0.230	6.17	OK
17	0.013	0.230	5.83	OK
18	0.019	0.230	8.07	OK
19	0.015	0.230	6.32	OK
20	0.021	0.230	9.07	OK
21	0.013	0.230	5.57	OK
22	0.015	0.230	6.40	OK
23	0.015	0.230	6.35	OK
24	0.008	0.230	3.53	OK
25	0.007	0.230	3.16	OK
26	0.012	0.230	5.24	OK
27	0.011	0.230	4.90	OK
28	0.010	0.230	4.29	OK
29	0.022	0.230	9.78	OK
30	0.009	0.230	3.89	OK
31	0.009	0.230	4.10	OK
32	0.010	0.230	4.28	OK
33	0.009	0.230	4.00	OK
34	0.007	0.230	3.12	OK
35	0.008	0.230	3.39	OK
36	0.008	0.230	3.59	OK
37	0.014	0.230	6.18	OK
38	0.008	0.230	3.37	OK
39	0.012	0.230	5.38	OK
40	0.009	0.230	3.99	OK

#### 4.4 VOLTAGE FLUCTUATION AND FLICKERS MEASUREMENT

##### 4.4.1 LIMITS OF VOLTAGE FLUCTUATION AND FLICKERS MEASUREMENT

Tests	Limits		Descriptions
	IEC555-3	IEC/EN 61000-3-3	
Pst	≤ 1.0, Tp= 10 min.	≤ 1.0, Tp= 10 min.	Short Term Flicker Indicator
Plt	N/A	≤ 0.65, Tp=2 hr.	Long Term Flicker Indicator
dc	≤ 3 %	≤ 3.3 %	Relative Steady-State V-Chang
dmax	≤ 4 %	≤ 4 %	Maximum Relative V-change
d (t)	N/A	≤ 3.3% for > 500 ms	Relative V-change characteristic

##### 4.4.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Harmonic & Flicker	California	PACS-1	72344	Jan. 16, 2015
2	Power Source	California	3001iX	56309	Jan. 16, 2015
3	Measurement Software	California	CTS3.0 Version 3.2.0.35	N/A	N/A

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

##### 4.4.3 TEST PROCEDURE

###### a. Harmonic Current Test:

Test was performed according to the procedures specified in Clause 5.0 of IEC555-2 and/or Sub-clause 6.2 of IEC/EN 61000-3-2 depend on which standard adopted for compliance measurement.

###### b. Fluctuation and Flickers Test:

Tests was performed according to the Test Conditions/Assessment of Voltage Fluctuations specified in Clause 5.0/6.0 of IEC555-3 and/or Clause 6.0/4.0 of IEC/EN 61000-3-3 depend on which standard adopted for compliance measurement.

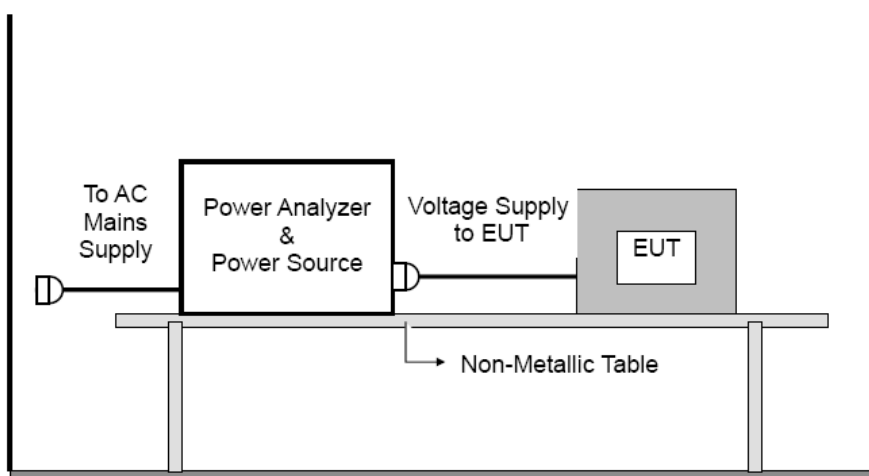
###### c. All types of harmonic current and/or voltage fluctuation in this report are assessed by direct measurement using flicker-meter.

###### d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

##### 4.4.4 DEVIATION FROM TEST STANDARD

No deviation

#### 4.4.5 TESTSETUP



#### 4.4.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

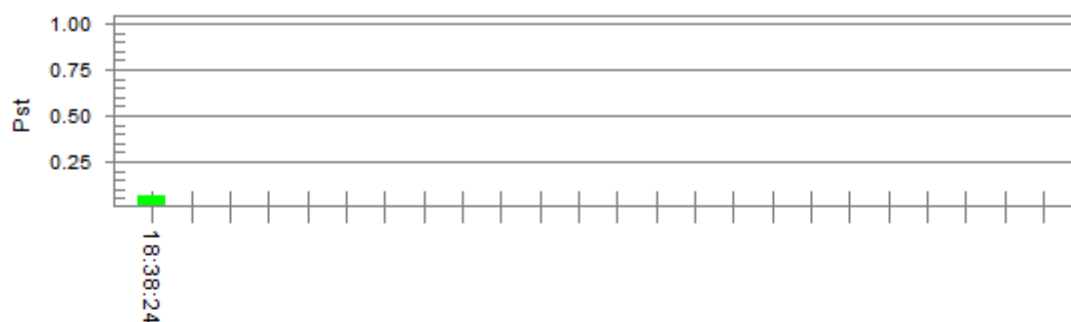


#### 4.4.7 TEST RESULTS

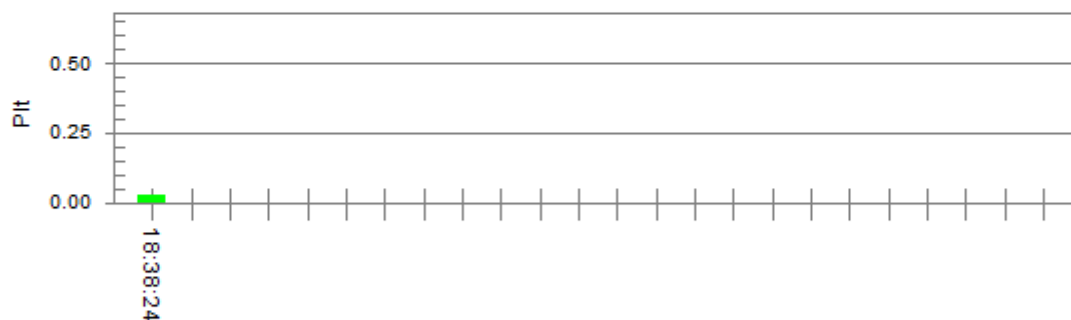
EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	23° C	Relative Humidity :	50 %
Pressure :	1007 hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

**Pst and limit line**

**European Limits**



**Plt and limit line**



**Parameter values recorded during the test:**

Vrms at the end of test (Volt):	229.98		
Highest dt (%):	0.00	Test limit (%):	3.30 Pass
Time(mS) > dt:	0.0	Test limit (m S):	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

## 5. EMC IMMUNITY TEST

### 5.1 STANDARD COMPLIANCE/SEVERITY LEVEL/CRITERIA

Tests Standard No.	TEST SPECIFICATION Level	Test Mode Test Ports	Criteria	Remark
1. ESD EN 61000-4-2	±8kV air discharge ±4kV contact discharge	Direct Mode	B	
	±4kV HCP discharge ±4kV VCP discharge	Indirect Mode	B	
2. RS EN 61000-4-3	80 MHz to 1000 MHz 3V/m(rms), 1 KHz, 80%, AM modulated	Enclosure	A	
3. EFT/Burst EN 61000-4-4	±1.0kV(peak) 5/50ns Tr/Th 5KHz Repetition Freq.	Power Supply Port	B	
	±0.5 kV(peak) 5/50ns Tr/Th 5KHz Repetition Freq.	CTL/Signal Data Line Port	B	N/A
4. Surges EN 61000-4-5	±1 kV(5P/5N) 1.2/50(8/20) Tr/Th us	L-N	B	
	±2 kV(5P/5N) 1.2/50(8/20) Tr/Th us	L-PE N-PE	B	
5 Injected Current EN 61000-4-6	0.15 MHz to 80 MHz 3V(rms), 1KHz 80%, AM Modulated 150Ω source impedance	CTL/Signal Port	A	N/A
	0.15 MHz to 80 MHz 3V(rms), 1KHz 80%, AM Modulated 150Ω source impedance	AC Power Port	A	
	0.15 MHz to 80 MHz 3V(rms), 1KHz 80%, AM Modulated 150Ω source impedance	DC Power Port	A	N/A
6. Power Frequency Magnetic Field EN 61000-4-8	50 Hz/60Hz, 1A/m	Enclosure	A	
7. Volt. Interruptions Volt. Dips IEC/EN 61000-4-11	Voltage dip > 95% Voltage dip 30% Interruption > 95%	AC Power Port	B C C	

\* Remark:

N/A : denotes test is not applicable in this Test Report

(1) : Applicable only to cables which according to the manufacturer's specification supports communication on cables lengths greater than 3 m.

## 5.2 GENERAL PERFORMANCE CRITERIA

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

<p><b>Criterion A</b></p>	<p>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.</p> <p>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.</p>
<p><b>Criterion B</b></p>	<p>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.</p> <p>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.</p>
<p><b>Criterion C</b></p>	<p>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.</p> <p>Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.</p>

## 5.3 GENERAL PERFORMANCE CRITERIA TEST SETUP

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

## 5.4 ESD TESTING

### 5.4.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-2
Discharge Impedance:	330 ohm / 150 pF
Required Performance	B
Discharge Voltage:	Air Discharge : $\pm 2\text{kV}/\pm 4\text{kV}/\pm 8\text{kV}$ (Direct) Contact Discharge : $\pm 2\text{kV}/\pm 4\text{kV}$ (Direct/Indirect)
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 minimum

### 5.4.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	ESD Generator	TESEQ AG	NSG 437	450	Jul. 10, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

#### 5.4.3 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 and coupling planes 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.

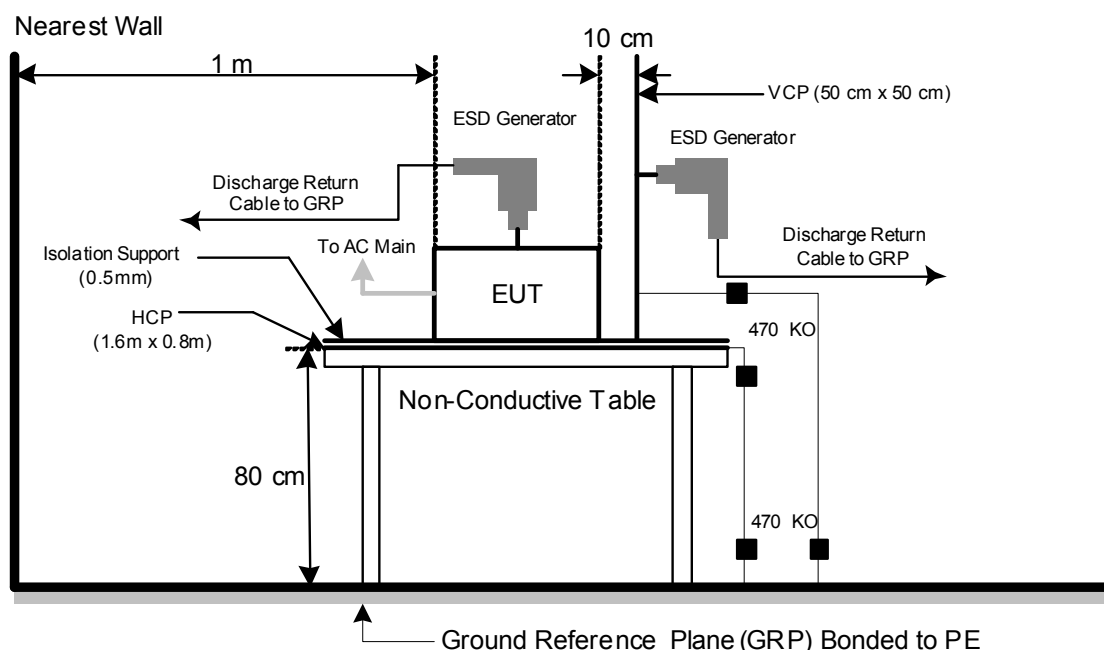
It was at least ten single discharges with positive and negative at the same selected point.

- c. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 5.4.4 DEVIATION FROM TEST STANDARD

No deviation

### 5.4.5 TEST SETUP



Note:

#### 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 section 7 of IEC /EN 61000-4-2, and its cables were placed on the HCP and isolated by an insulating support of 0.5mm thickness. A distance of 1-meter minimum was provided between the EUT and the walls of the laboratory and any other metallic structure.

#### FLOOR-STANDING EQUIPMENT

The equipment under test was installed in a representative system as described in section 7 of IEC/EN 61000-4-2, and its cables were isolated from the Ground Reference Plane by an insulating support of 0.1-meter thickness. The GRP consisted of a sheet of aluminum that is at least 0.25mm thick, and 2.5meters square connected to the protective grounding system and extended at least 0.5 meters from the EUT on all sides.

### 5.4.6 TEST RESULTS

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	23° C	Relative Humidity :	50 %
Pressure :	1010 hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

Discharge Voltage (kV)	Type of discharge	Dischargeable Points	Performance		Result (Pass/Fail)
			Required	Observation	
±2	Contact	5,6,7,8,9,10	B	A	Pass
±4	Contact	6,8,10	B	A	Pass
±4	Contact	5,7,9	B	B	Pass
±2	Air	1,2,3,4	B	A	Pass
±4	Air	1,2,3,4	B	A	Pass
±8	Air	1,4	B	A	Pass
±8	Air	2,3	B	B	Pass
±2	HCP-Bottom	Edge of the HCP	B	A	Pass
±2	VCP-Front	Center of the VCP	B	A	Pass
±2	VCP-Left	Center of the VCP	B	A	Pass
±2	VCP-Back	Center of the VCP	B	A	Pass
±2	VCP-Right	Center of the VCP	B	A	Pass
±4	HCP-Bottom	Edge of the HCP	B	A	Pass
±4	VCP-Front	Center of the VCP	B	A	Pass
±4	VCP-Left	Center of the VCP	B	A	Pass
±4	VCP-Back	Center of the VCP	B	A	Pass
±4	VCP-Right	Center of the VCP	B	A	Pass

#### Discharge Points Description

1	LCD&LED	6	D-SUB Port
2	Frame	7	Display Port
3	Audio Port	8	HDMI/MHL Port
4	AC Port	9	USB Port
5	DVI Port	10	Screw

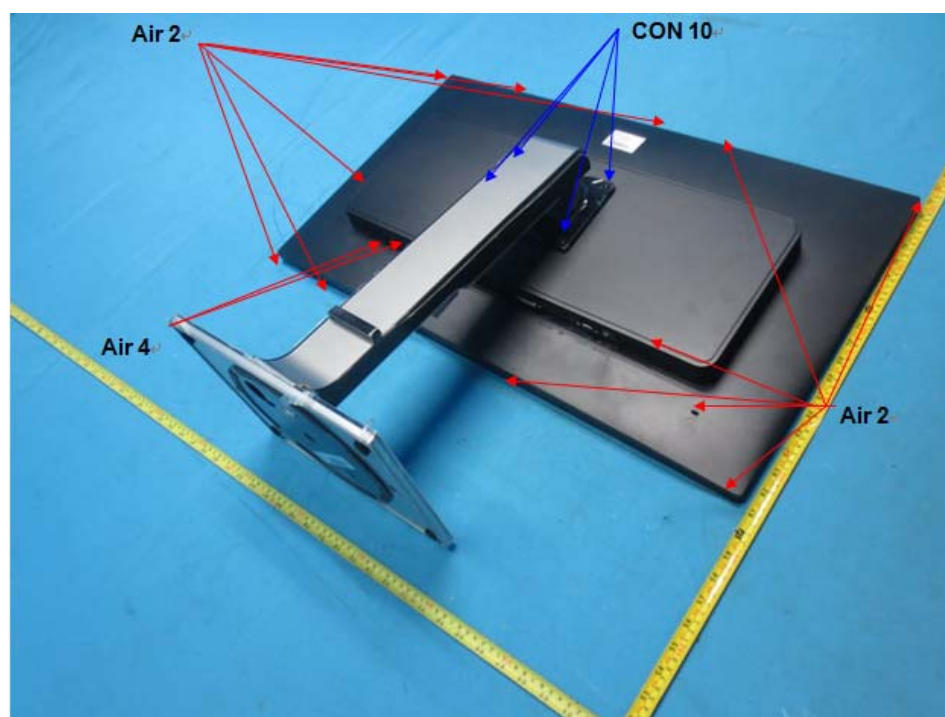
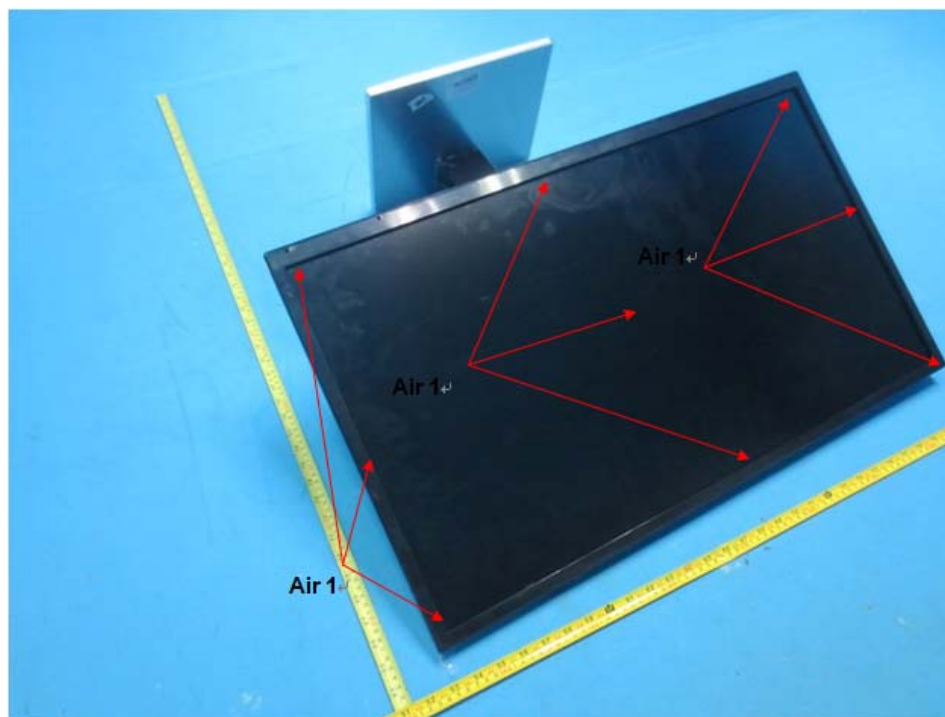
Air Discharge: ±2kV, ±4kV, ±8 kV # For Air Discharge each point positive 10 times and negative 10 times discharge.

Contact Discharge: ±2kV, ±4kV # For Contact Discharge each point positive 10 times and negative 10 times discharge.

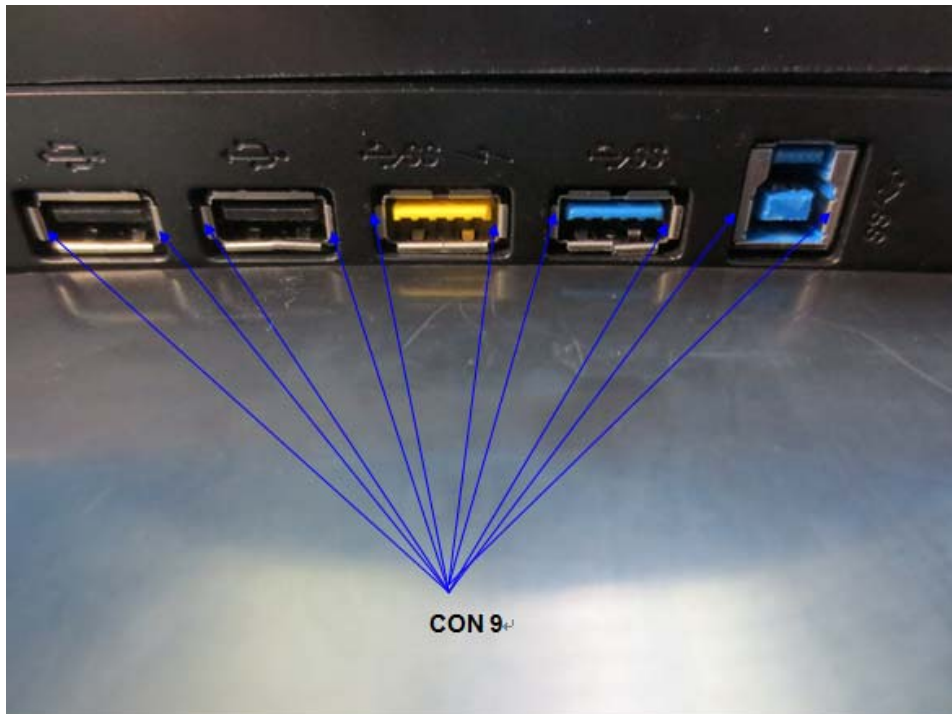
For the time interval between successive single discharge an initial value of one second.

Discharge should be considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).

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







## 5.5 RS TESTING

### 5.5.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-3
Required Performance	A
Frequency Range:	80 MHz - 1000 MHz
Field Strength:	3 V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5 m
Dwell Time:	at least 3 seconds

### 5.5.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Digital Signal Generator	HP	ESG-D3000 A	US36260188	Mar. 29, 2015
2	Antenna	ETS	3142C	00047662	Mar. 29, 2015
3	Amplifier	AR	250W1000A M1	326727	Mar. 29, 2015
4	Horn Antenna	ARA	DRG-118A	16554	Mar. 29, 2015
5	Amplifier	AR	50S1G4A	326720	Mar. 29, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

### 5.5.3 TEST PROCEDURE

The EUT and support equipment, which are placed on a table that is 0.8 meter above ground and the testing was performed in a fully-anechoic chamber.

The testing distance from antenna to the EUT was 3 meters.

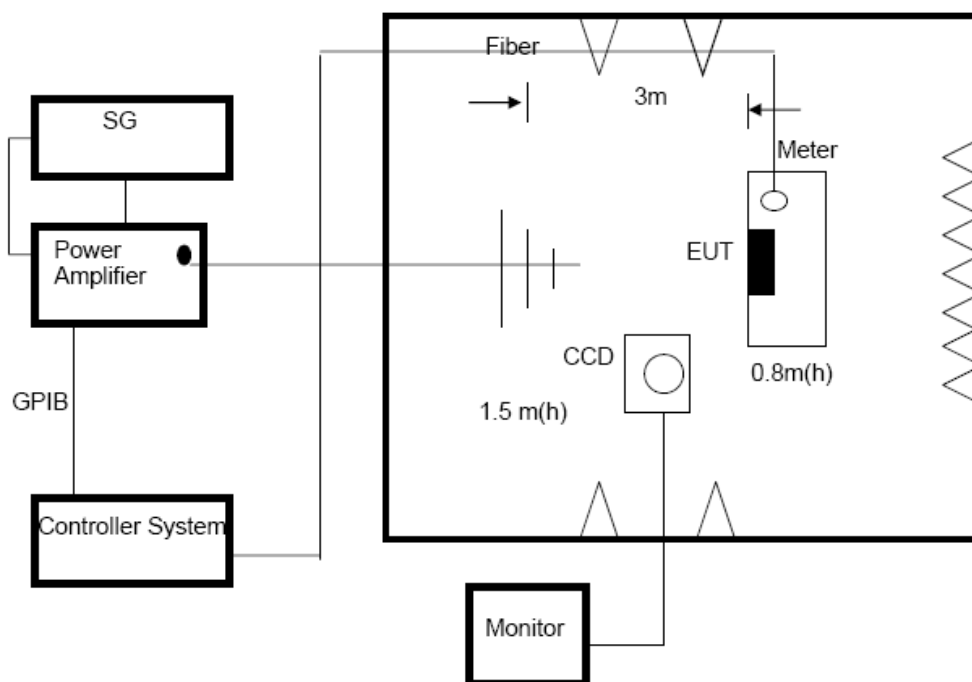
The other condition as following manner:

- a. The field strength level was 3V/m.
- b. The frequency range is swept from 80 MHz to 1000 MHz, with the signal 80% amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed  $1.5 \times 10^{-3}$  decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.
- c. Sweep Frequency 900 MHz, with the Duty Cycle:1/8 and Modulation: Pulse 217 Hz(if applicable)
- d. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.
- e. The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 5.5.4 DEVIATION FROM TEST STANDARD

No deviation

### 5.5.5 TEST SETUP



Note:

#### TABLE-TOP EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 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.

#### FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-3 was placed on a non-conductive wood support 0.1 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

### 5.5.6 TEST RESULTS

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	46 %
Pressure :	1020hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

Frequency Range (MHz)	RF Field Position	R.F. Field Strength	Azimuth	Criteria	Results	Judgment
80MHz - 1000MHz	H / V	3 V/m (rms) AM Modulated 1000Hz, 80%	0	<b>A</b>	<b>A</b>	<b>PASS</b>
			90			
			180			
			270			

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.
- 3) Criteria A: No observation of any performance degradation.
- 4) Criteria B: Some degradation of performance is observed but the equipment continues to operate as intended.
- 5) Criteria C: Loss of functionality, but self-recoverable by user, without loss of information or settings.

## 5.6 EFT/BURST TESTING

### 5.6.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-4
Required Performance	B
Test Voltage:	Power Line : $\pm 1$ kV Signal/Control Line : $\pm 0.5$ kV
Polarity:	Positive & Negative
Impulse Frequency:	5 kHz
Impulse Wave shape :	5/50 ns
Burst Duration:	15 ms
Burst Period:	300 ms
Test Duration:	Not less than 1 min.

### 5.6.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	THE MODULAR SOLUTION FOR 6 KV APPLICATIONS	Teseq	NSG 3060	1423	Aug. 29, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

### 5.6.3 TEST PROCEDURE

The EUT and support equipment(s) are placed on a table that is 0.8 meter high above a metal ground plane and should be located 0.1m $\pm$ 0.01m high above the Ground Reference Plane (1m\*1m min. and 0.65mm thick min).

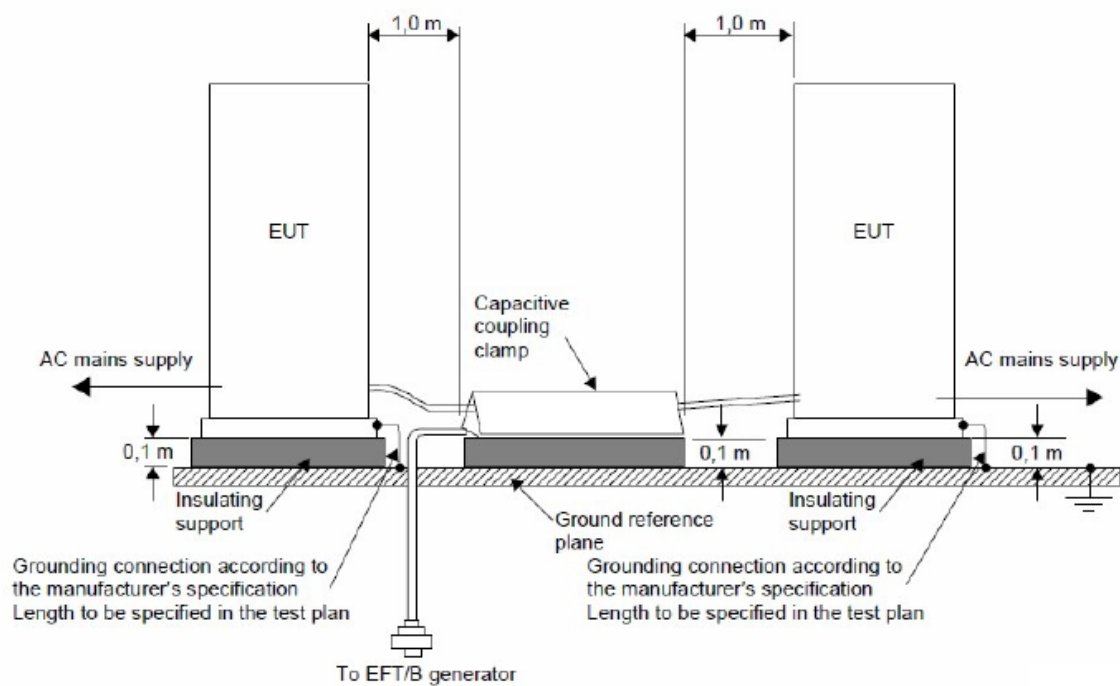
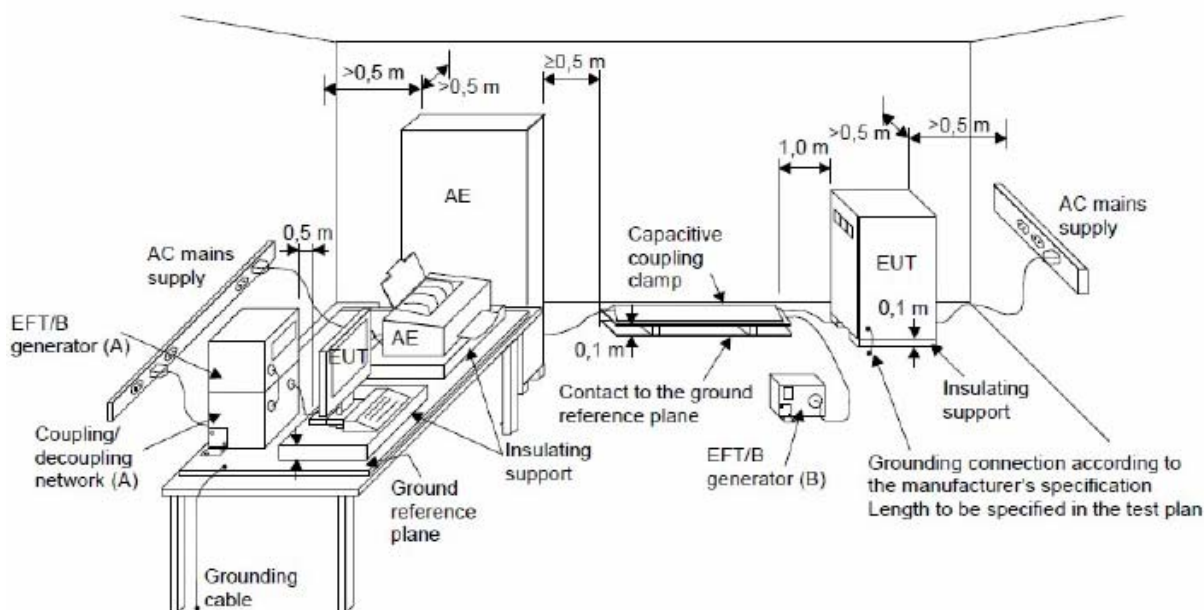
The other condition as following manner:

- a. The length of power cord between the coupling device and the EUT should not exceed 1 meter.
- b. Both positive and negative polarity discharges were applied.
- c. The duration time of each test sequential was 1 minute
- d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 5.6.4 DEVIATION FROM TEST STANDARD

No deviation

### 5.6.5 TEST SETUP



Note:

#### TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table (0.8m high) standing on 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.

#### FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-4 and its cables, were isolated from the Ground Reference Plane by an insulating support that is 0.1-meter thick. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system.

### 5.6.6 TEST RESULTS

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	23° C	Relative Humidity :	46 %
Pressure :	1010hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

Mode	( V ) AC Power Line		( ) DC Power Line		( ) Signal/Control Line	
Test Level	1kV		0.5kV		0.5kV	
Port(s)	Polarity	Results	Polarity	Results	Polarity	Results
Line (L)	P	A	P	-	P	-
	N	A	N	-	N	-
Neutral (N)	P	A	P	-	P	-
	N	A	N	-	N	-
Ground (PE)	P	A	P	-	P	-
	N	A	N	-	N	-
Signal/Control Line	P	-	P	-	P	-
	N	-	N	-	N	-
Criteria	<b>B</b>		<b>B</b>		<b>B</b>	
Result	<b>A</b>		<b>N/A</b>		<b>N/A</b>	
Judgment	<b>PASS</b>		<b>N/A</b>		<b>N/A</b>	

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
- 3) Criteria A: No observation of any performance degradation.
- 4) Criteria B: Some degradation of performance is observed but the equipment continues to operate as intended.
- 5) Criteria C: Loss of functionality, but self-recoverable by user, without loss of information or settings.



## 5.7 SURGE TESTING

### 5.7.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-5
Required Performance	B
Wave-Shape:	Combination Wave 1.2/50 us Open Circuit Voltage 8 /20 us Short Circuit Current
Test Voltage:	Power Line : $\pm 0.5$ kV, $\pm 1$ kV, $\pm 2$ kV
Surge Input/Output:	L1-L2, L1-PE, L2-PE
Generator Source:	2 ohm between networks
Impedance:	12 ohm between network and ground
Polarity:	Positive/Negative
Phase Angle:	0 /90/180/270
Pulse Repetition Rate:	1 time / min. (maximum)
Number of Tests:	5 positive and 5 negative at selected points

### 5.7.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	THE MODULAR SOLUTION FOR 6 KV APPLICATIONS	Teseq	NSG 3060	1423	Aug. 29, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

### 5.7.3 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:

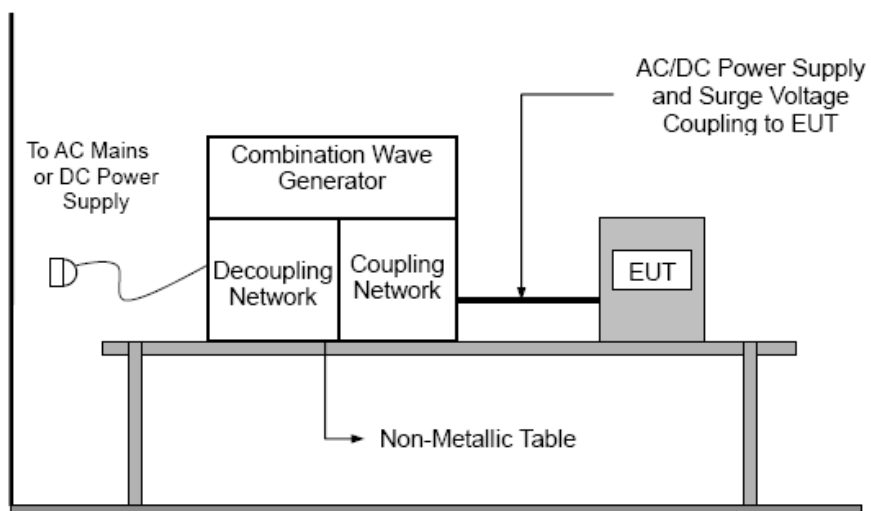
The surge is applied to the lines via gas arrestors coupling. Test levels below the ignition point of the coupling arrester cannot be specified. The interconnection line between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 5.7.4 DEVIATION FROM TEST STANDARD

No deviation

#### 5.7.5 TEST SETUP



### 5.7.6 TEST RESULTS

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	24° C	Relative Humidity :	47 %
Pressure :	1022hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

Wave Form EUT Ports Tested	1.2/50(8/20)Ti/Th us						Criteria	Judgment
	Polarity	Phase	Voltage					
			0.5kV	1kV	1.5kV	2kV		
L - N	+/-	0°	A	A	-	-	<b>B</b>	<b>PASS</b>
	+/-	90°	A	A	-	-		
	+/-	180°	A	A	-	-		
	+/-	270°	A	A	-	-		
L - PE	+/-	0°	A	A	A	A	<b>B</b>	<b>PASS</b>
	+/-	90°	A	A	A	A		
	+/-	180°	A	A	A	A		
	+/-	270°	A	A	A	A		
N - PE	+/-	0°	A	A	A	A	<b>B</b>	<b>PASS</b>
	+/-	90°	A	A	A	A		
	+/-	180°	A	A	A	A		
	+/-	270°	A	A	A	A		
Signal Line (N/A)	+/-	N/A	-	-	-	-	<b>B</b>	<b>N/A</b>

**Note:**

- 1) Polarity and Numbers of Impulses : 5 Pst / Ngt at each tested mode
- 2) N/A - denotes test is not applicable in this Test Report
- 3) Criteria A: No observation of any performance degradation.
- 4) Criteria B: Some degradation of performance is observed but the equipment continues to operate as intended.
- 5) Criteria C: Loss of functionality, but self-recoverable by user, without loss of information or settings.

## 5.8 INJECTION CURRENT TESTING

### 5.8.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-6
Required Performance	A
Frequency Range:	0.15 MHz - 80 MHz
Field Strength:	3 Vr.m.s.
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Dwell Time:	at least 3 seconds

### 5.8.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Signal Generator	HP	8648A	3636A02964	Mar. 29, 2015
2	Power Amplifier	Teseq	CBA230M-08 0	T43748	Mar. 29, 2015
3	CDN	MEB	M3	13389	Mar. 29, 2015
4	Power CDN	FCC	FCC-801-M2 /M3-16A	100270	Mar. 29, 2015
5	Power CDN	FCC	FCC-801-M2 /M3-16A	100271	Mar. 29, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

### 5.8.3 TEST PROCEDURE

The EUT and support equipment, are placed on a table that is 0.8 meter above a metal ground plane measured 1m\*1m min. and 0.65mm thick min.

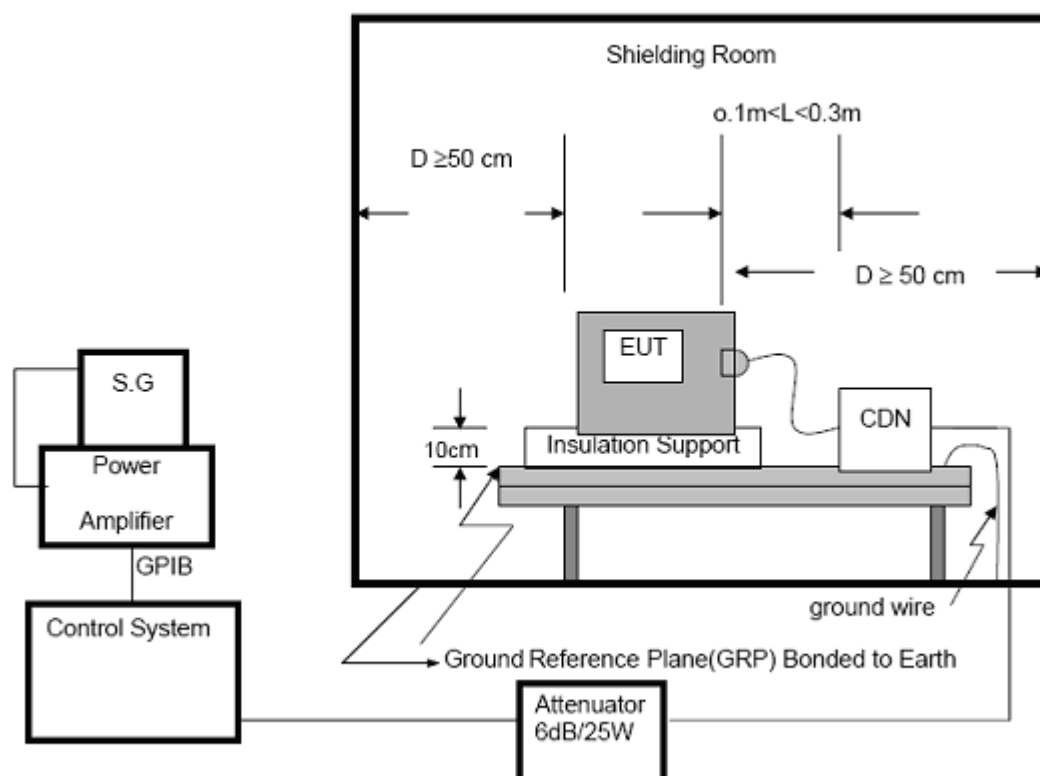
The other condition as following manner:

- a. The field strength level was 3V.
- b. The frequency range is swept from 150 KHz to 80 MHz, with the signal 80% amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed  $1.5 \times 10^{-3}$  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. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 5.8.4 DEVIATION FROM TEST STANDARD

No deviation

### 5.8.5 TEST SETUP



For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### NOTE:

##### FLOOR-STANDING EQUIPMENT

The equipment to be tested is placed on an insulating support of 0.1 meters height above a ground reference 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.

### 5.8.6 TEST RESULTS

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	27° C	Relative Humidity :	41 %
Pressure :	1015hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

Test Ports (Mode)	Freq. Range (MHz)	Field Strength	Criteria	Results	Judgment
Input/ Output AC. Power Port	0.15 ---80	3V(rms) AM Modulated 1000Hz, 80%	<b>A</b>	<b>A</b>	<b>PASS</b>
Input/ Output DC. Power Port	0.15 --- 80		<b>A</b>	<b>N/A</b>	<b>N/A</b>
Signal Line (N/A )	0.15 --- 80		<b>A</b>	<b>N/A</b>	<b>N/A</b>

Note:

- 1) N/A - denotes test is not applicable in this Test Report.
- 2) Criteria A: No observation of any performance degradation.
- 3) Criteria B: Some degradation of performance is observed but the equipment continues to operate as intended.
- 4) Criteria C: Loss of functionality, but self-recoverable by user, without loss of information or settings.

## 5.9 POWER FREQUENCY MAGNETIC FIELD TESTING

### 5.9.1 TEST SPECIFICATION

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

### 5.9.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Magnetic Field Test Generator	FCC	F-1000-4-8-G-125A	04032	Mar. 29, 2015
2	Magnetic Field immunity loop	Thermo KeyTek	F-1000-4-8/9/10-L-1M	04024	Mar. 29, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

### 5.9.3 TEST PROCEDURE

The EUT and support equipment, are placed on a table that is 0.8 meter above a metal ground plane measured 1m\*1m min. and 0.65mm thick min.

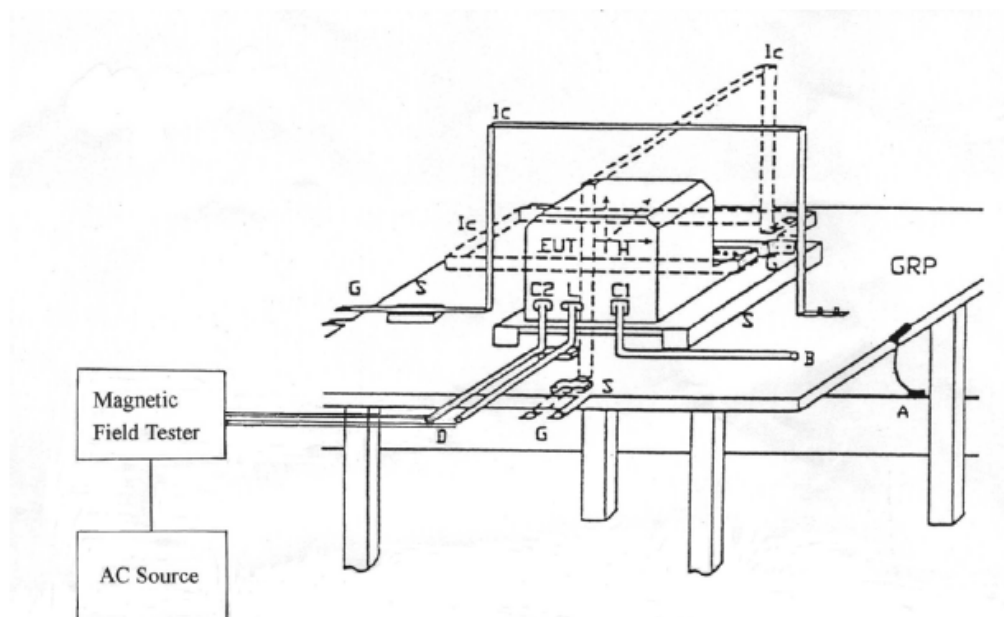
The other condition as following manner:

- 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.
- c. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 5.9.4 DEVIATION FROM TEST STANDARD

No deviation

## 5.9.5 TEST SETUP



Note:

### 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.

### FLOOR-STANDING EQUIPMENT

The equipment shall be subjected to the test magnetic field by using induction coils of suitable dimensions. The test shall be repeated by moving and shifting the induction coils, in order to test the whole volume of the EUT for each orthogonal direction. The test shall be repeated with the coil shifted to different positions along the side of the EUT, in steps corresponding to 50 % of the shortest side of the coil. The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.



### 5.9.6 TEST RESULTS

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	50 %
Pressure :	1011hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

#### 50Hz

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

#### 60Hz

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

Note:

- 1) N/A - denotes test is not applicable in this test report
- 2) Criteria A: No observation of any performance degradation.
- 3) Criteria B: Some degradation of performance is observed but the equipment continues to operate as intended.
- 4) Criteria C: Loss of functionality, but self-recoverable by user, without loss of information or settings.

## 5.10 VOLTAGE INTERRUPTION/DIPS TESTING

### 5.10.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-11
Required Performance	B (For >95% Voltage Dips) C (For 30% Voltage Dips) C (For >95% Voltage Interruptions)
Test Duration Time:	Minimum three test events in sequence
Interval between Event:	Minimum ten seconds
Phase Angle:	0°/45°/90°/135°/180°/225°/270°/315°/360°
Test Cycle:	3 times

### 5.10.2 MEASUREMENT INSTRUMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	THE MODULAR SOLUTION FOR 6 KV APPLICATIONS	Teseq	NSG 3060	1423	Aug. 29, 2015

Remark: "N/A" denotes no model name, serial No. or no calibration specified.

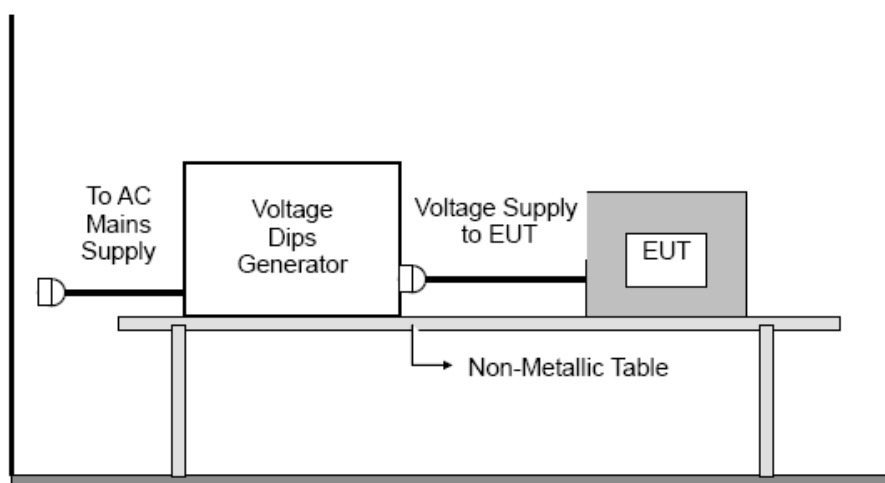
### 5.10.3 TEST PROCEDURE

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.

### 5.10.4 DEVIATION FROM TEST STANDARD

No deviation

### 5.10.5 TEST SETUP



For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 5.10.6 TEST RESULTS

EUT :	LCD Monitor	Model Name :	320LM00001
Temperature :	25° C	Relative Humidity :	42 %
Pressure :	1020hPa	Test Power :	AC 230V/50Hz
Test Mode :	DVI 2560*1440/60Hz 1.8m D-SUB+DVI+Display+HDMI+MHL+Audio cable		
Test Engineer :	Lucky Mao		

AC 230V/50Hz				
Voltage Reduction	Periods	Criteria	Results	Judgment
Voltage dip >95%	0.5	<b>B</b>	<b>A</b>	<b>PASS</b>
Voltage dip 30%	25	<b>C</b>	<b>A</b>	<b>PASS</b>
Interruption >95%	250	<b>C</b>	<b>C</b>	<b>PASS</b>

AC 100V/50Hz				
Voltage Reduction	Periods	Criteria	Results	Judgment
Voltage dip >95%	0.5	<b>B</b>	<b>A</b>	<b>PASS</b>
Voltage dip 30%	25	<b>C</b>	<b>C</b>	<b>PASS</b>
Interruption >95%	250	<b>C</b>	<b>C</b>	<b>PASS</b>

AC 240V/50Hz				
Voltage Reduction	Periods	Criteria	Results	Judgment
Voltage dip >95%	0.5	<b>B</b>	<b>A</b>	<b>PASS</b>
Voltage dip 30%	25	<b>C</b>	<b>A</b>	<b>PASS</b>
Interruption >95%	250	<b>C</b>	<b>C</b>	<b>PASS</b>

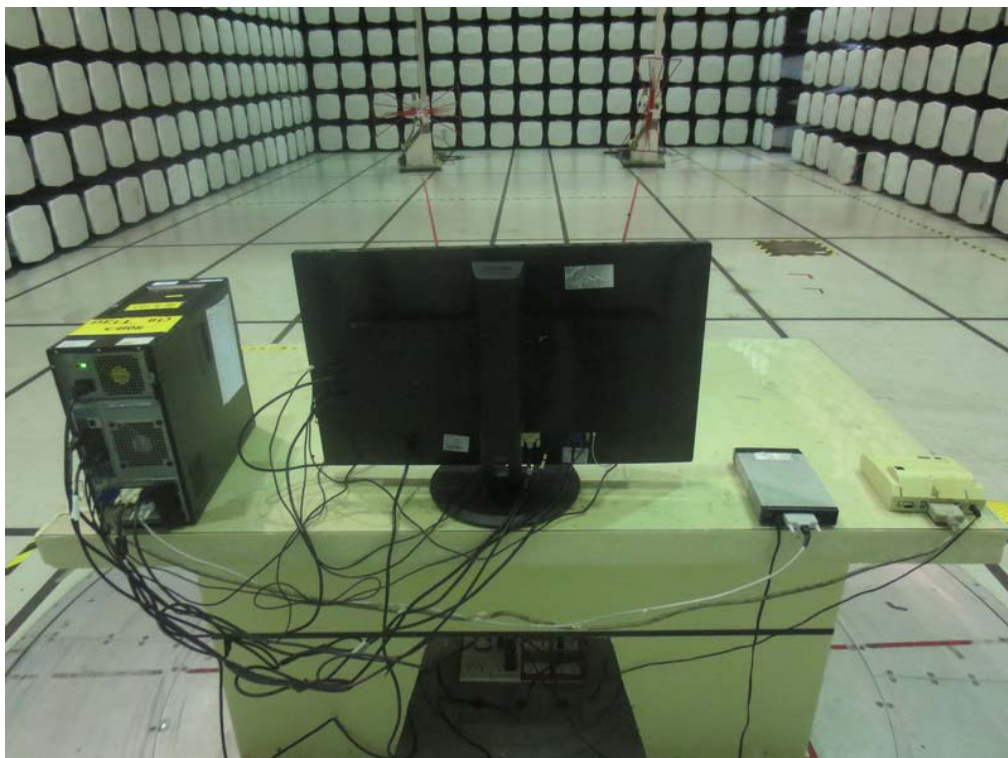
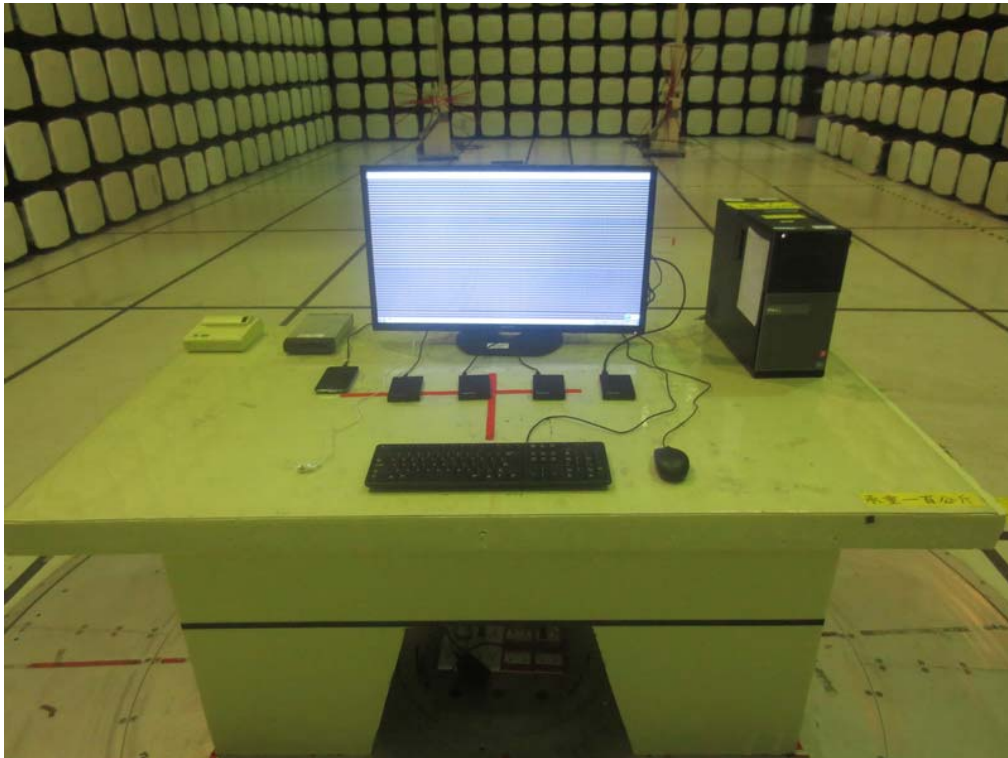
Note:

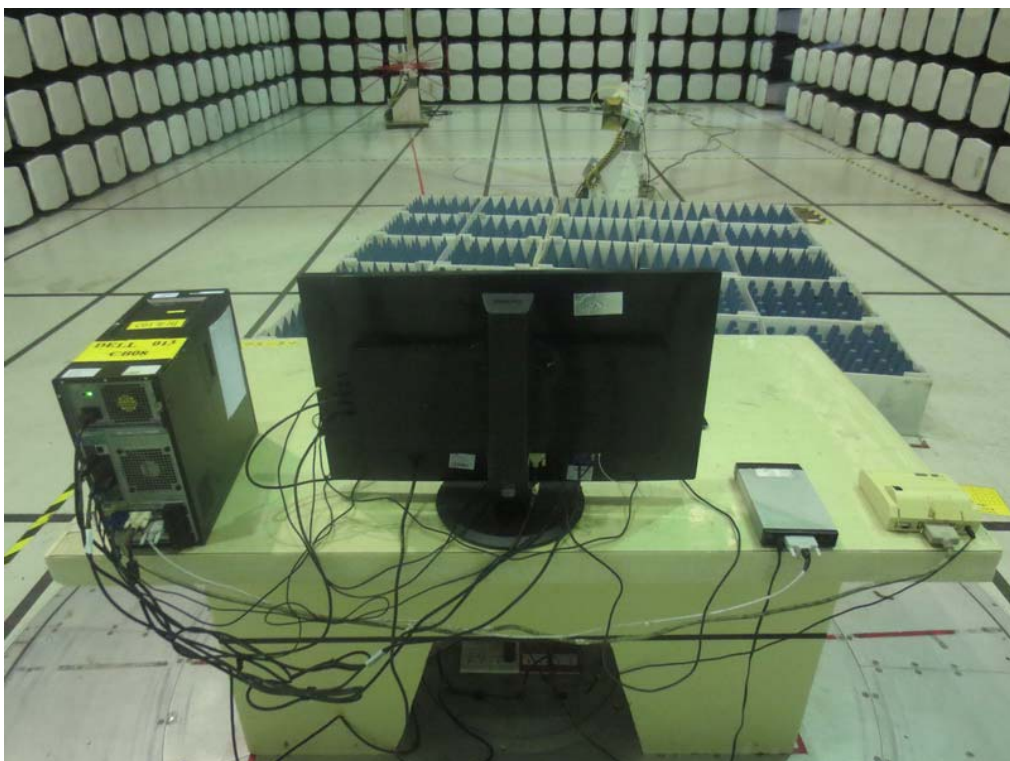
- 1) N/A - denotes test is not applicable in this test report.
- 2) Criteria A: No observation of any performance degradation.
- 3) Criteria B: Some degradation of performance is observed but the equipment continues to operate as intended.
- 4) Criteria C: Loss of functionality, but self-recoverable by user, without loss of information or settings.

## 6. EUT TEST PHOTO

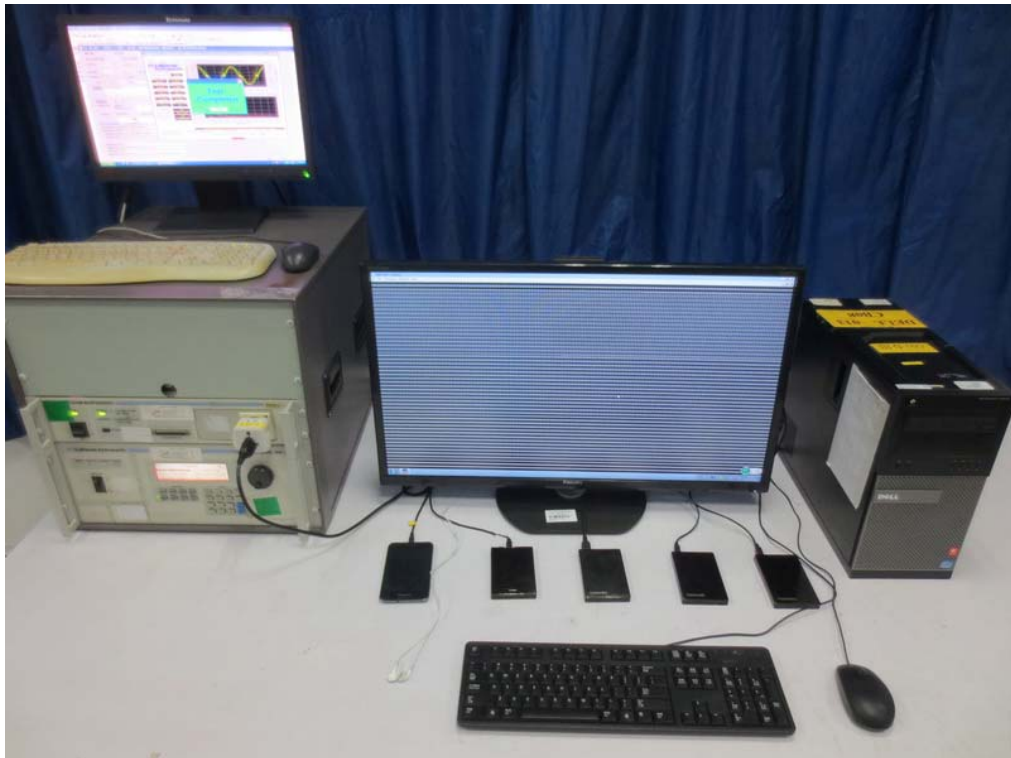
### Conducted Measurement Photos



**Radiated Measurement Photos(BETWEEN 30MHZ AND 1000MHZ)**

**Radiated Measurement Photos(ABOVE 1000MHZ)**

### Harmonic & Flicker Measurement Photos

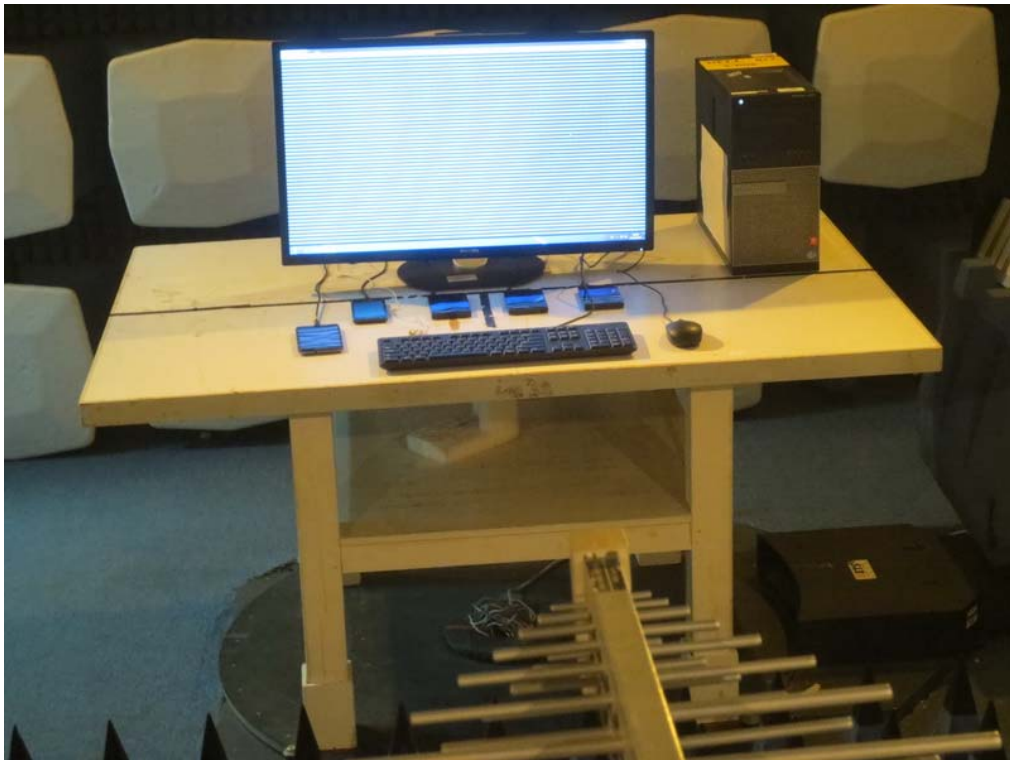


### EMS Measurement Photos ESD

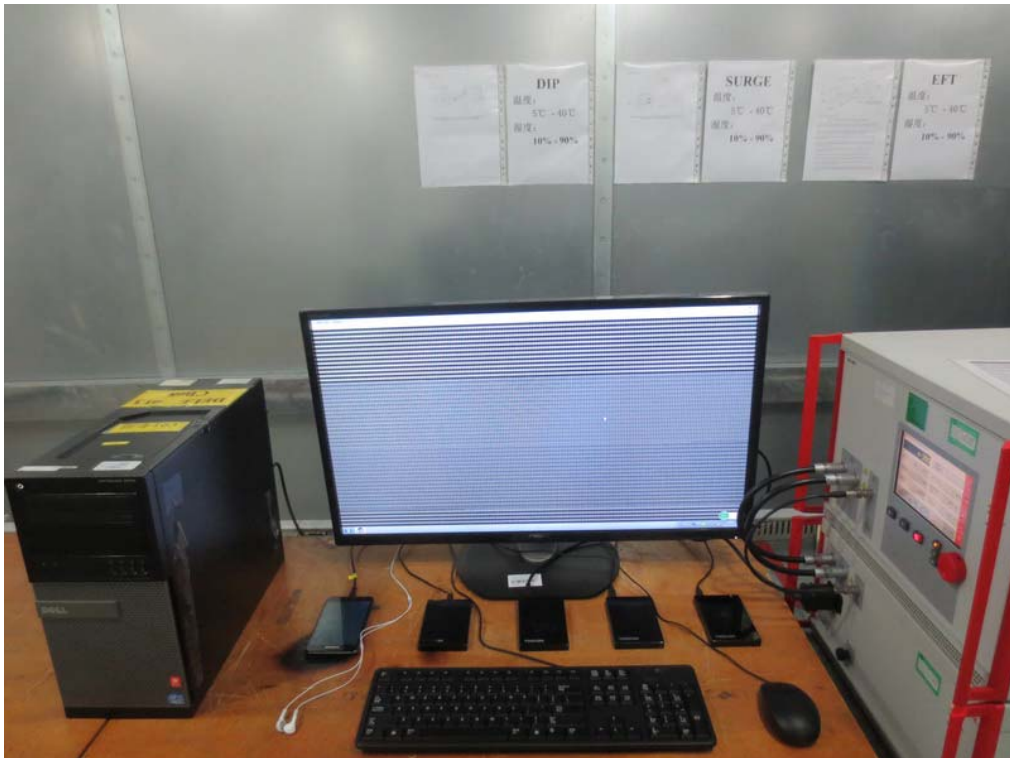




RS



EFT, Surge, DIP



CS



PMF

