FCC& ISED EMC Test Report

Project No.	:	1801C018
Equipment	:	LCD Monitor
Model Name	:	**27B1******** (* means 0~9, A-Z or Blank)
Series Model	:	N/A
Applicant	:	TPV Electronics (Fujian) Co., Ltd.
Address	:	Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China

Date of Receipt	:	Jan. 11, 2018
Date of Test	:	Jan. 11, 2018 ~ Apr. 08, 2018
Issued Date	:	Apr. 12, 2018
Tested by	:	BTL Inc.

Testing Engineer : (Kang Zhang)

Technical Manager : (Bill Zhang)

Authorized Signatory : (Kevin Li)

BTL INC.

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NVLAP TESTING NVLAP LAB CODE 200788-0

Declaration

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

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

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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-FICE-1-1801C018	Original Issue.	Apr. 12, 2018

1. CERIFICATION

Equipment	:	LCD Monitor
Brand Name	:	N/A
Model Name	:	**27B1******** (* means 0~9, A-Z or Blank)
Series Model	:	N/A
Applicant	:	TPV Electronics (Fujian) Co., Ltd.
Date of Test	:	Jan. 11, 2018 ~ Apr. 08, 2018
Test Sample	:	Engineering Sample No.D180302315
Standard(s)	:	FCC Part 15, Subpart B ICES-003 Issue 6: 2016 ANSI C63.4-2014

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FICE-1-1801C018) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

(2) The EUT’s max operating frequency is 148.5 MHz which does exceed 108 MHz, so the test will be performed.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's test firm number for FCC: 854385
BTL's test firm number for IC: 4428B-3
BTL's test designation number for FCC: CN5020

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement :

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

B. Radiated Measurement :

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

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	LCD Monitor
Brand Name	N/A
Model Name	**27B1******** (* means 0~9, A-Z or Blank)
Series Model	N/A
Model Difference	The market distribution is different only.
Power Source	DC voltage supplied from AC/DC adapter. Brand/ Model: TPV / ADPC1938EX
Power Rating	I/P: 100-240V~ 50-60Hz 1.3A O/P: 19V⎓ 2.0A
Connecting I/O ports	1* D-SUB port 1* HDMI port 1* Earphone port 1* DC port

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

Note:

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

3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	D-SUB 1920*1080/60Hz
Mode 2	D-SUB 1280*1024/75Hz
Mode 3	D-SUB 640*480/60Hz
Mode 4	HDMI 1920*1080/60Hz
Mode 5	HDMI 1280*1024/75Hz
Mode 6	HDMI 640*480/60Hz
Mode 7	HDMI 1080P
Mode 8	HDMI 576P
Mode 9	HDMI 480I

For Conducted Test	
Final Test Mode	Description
Mode 1	D-SUB 1920*1080/60Hz
Mode 4	HDMI 1920*1080/60Hz
Mode 7	HDMI 1080P

For Radiated Test	
Final Test Mode	Description
Mode 1	D-SUB 1920*1080/60Hz
Mode 4	HDMI 1920*1080/60Hz
Mode 7	HDMI 1080P

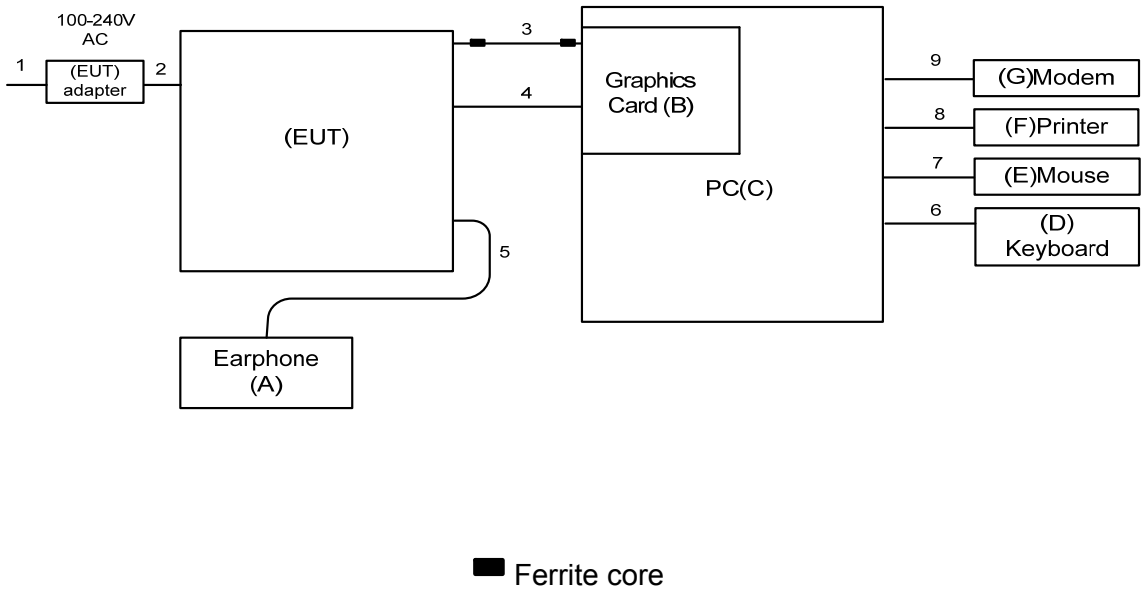
Note:
1. The worst case is evaluated and recorded in test report.

3.3 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The standard test signals and output signal as following:
1. EUT Connected to Earphone via Earphone cable.
2. EUT Connected to PC via D-SUB & HDMI cable.
3. Send "H" pattern to serial port device (Modem).
4. Read (write) from (to) mass storage device.

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.

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



■ Ferrite core

3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Earphone	APPLE	N/A	N/A	N/A
B	Graphics Card	LEADTEK	LR2A5F	DOC	ALF7100123952
C	PC	DELL	320	DOC	J4JQ52X
D	Keyboard	DELL	SK-8815(L)	DOC	00975811
E	Mouse	DELL	MO28UOL	DOC	23-122591
F	Printer	SII	DPU-414	DOC	3018507 B
G	Modem	ACEEX	DM-1414V	IFAXDM1414	0603002131

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.8m/1.5m/1.2m	AC Cable
2	NO	YES	1.0m	DC Cable
3	YES	YES	1.8m/1.5m/1.2m	D-SUB Cable
4	YES	NO	1.8m/1.5m/1.2m	HDMI Cable
5	NO	NO	1.2m	Earphone Cable
6	YES	NO	1.8m	USB Cable
7	YES	NO	1.8m	USB Cable
8	YES	NO	1.8m	Parallel Cable
9	YES	NO	1.8m	RS232 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Measurement Software	Farad	EZ-EMC Ver.NB-03A 1-01	N/A	N/A
2	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 11, 2019
3	TWO-LINE V-NETWORK	R&S	ENV216	100526	Mar. 11, 2019
4	EMI Test Receiver	R&S	ESR3	101862	Aug. 15, 2018
5	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Aug. 20, 2018
6	Cable	N/A	RG400 12m	N/A	Mar. 06, 2019

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

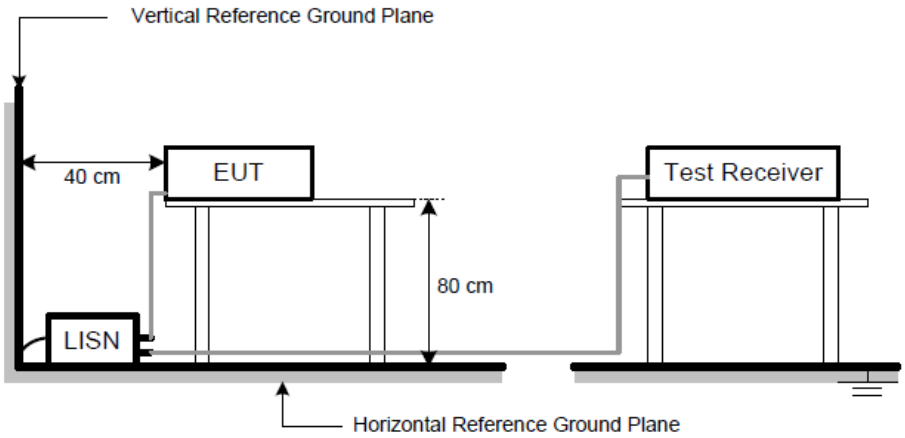
4.1.3 TEST PROCEDURE

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

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



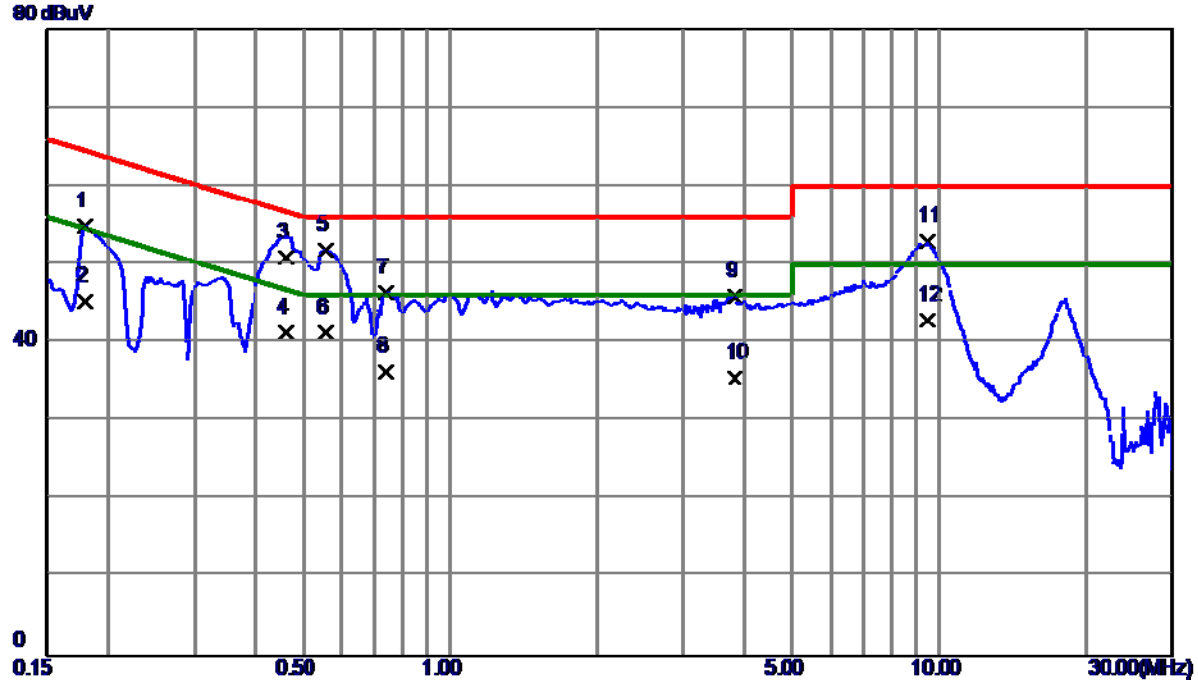
4.1.6 TEST RESULTS

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 sec./MHz.

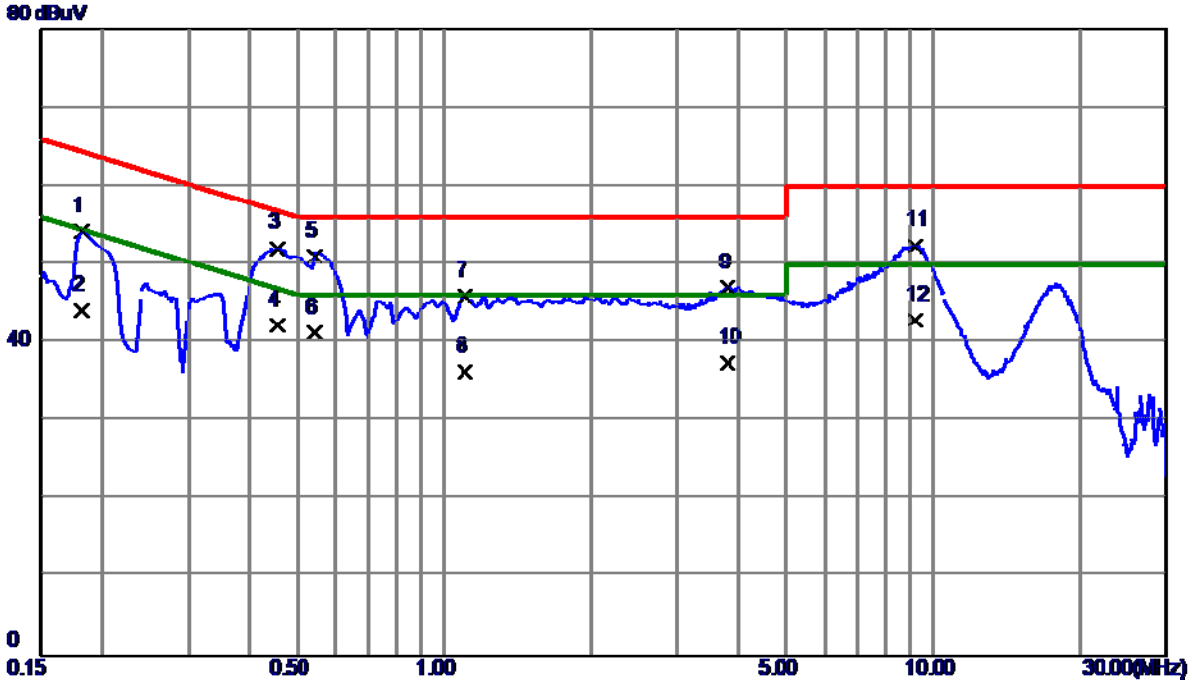
(2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform。In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	D-SUB 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



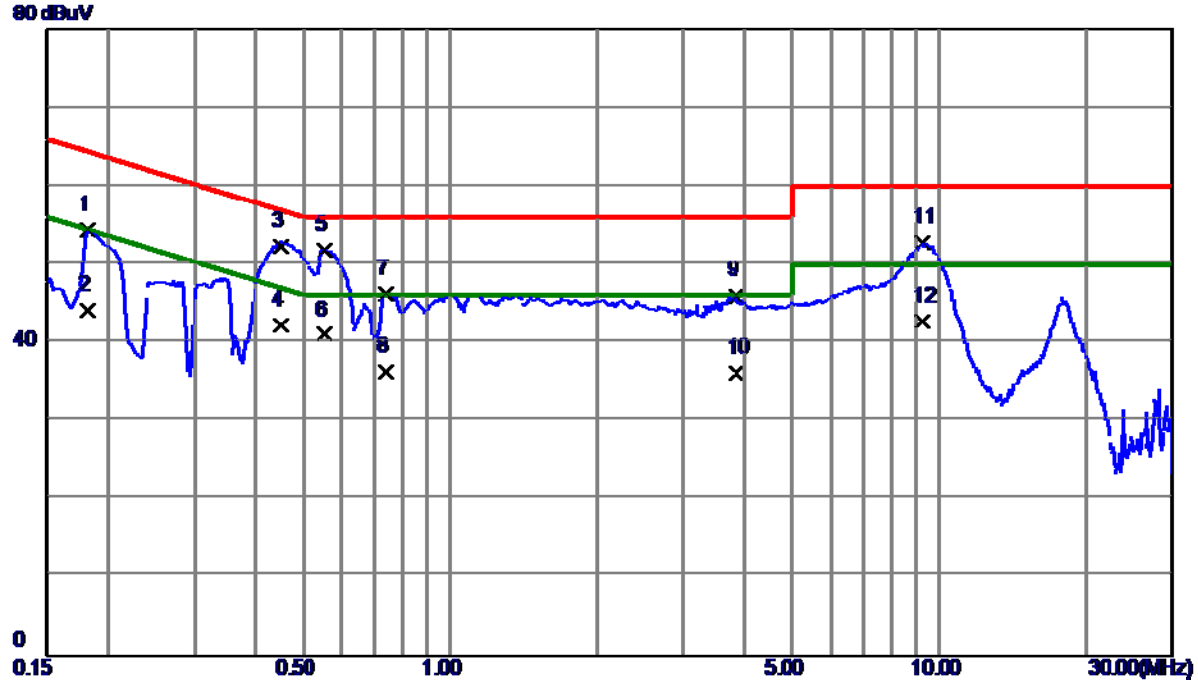
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1793	45.19	9.69	54.88	64.52	-9.64	QP
2	0.1793	35.60	9.69	45.29	54.52	-9.23	AVG
3	0.4605	41.20	9.73	50.93	56.68	-5.75	QP
4	0.4605	31.50	9.73	41.23	46.68	-5.45	AVG
5 *	0.5571	42.05	9.74	51.79	56.00	-4.21	QP
6	0.5571	31.50	9.74	41.24	46.00	-4.76	AVG
7	0.7417	36.65	9.75	46.40	56.00	-9.60	QP
8	0.7417	26.50	9.75	36.25	46.00	-9.75	AVG
9	3.8265	35.98	9.95	45.93	56.00	-10.07	QP
10	3.8265	25.61	9.95	35.56	46.00	-10.44	AVG
11	9.4875	42.67	10.29	52.96	60.00	-7.04	QP
12	9.4875	32.60	10.29	42.89	50.00	-7.11	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	D-SUB 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



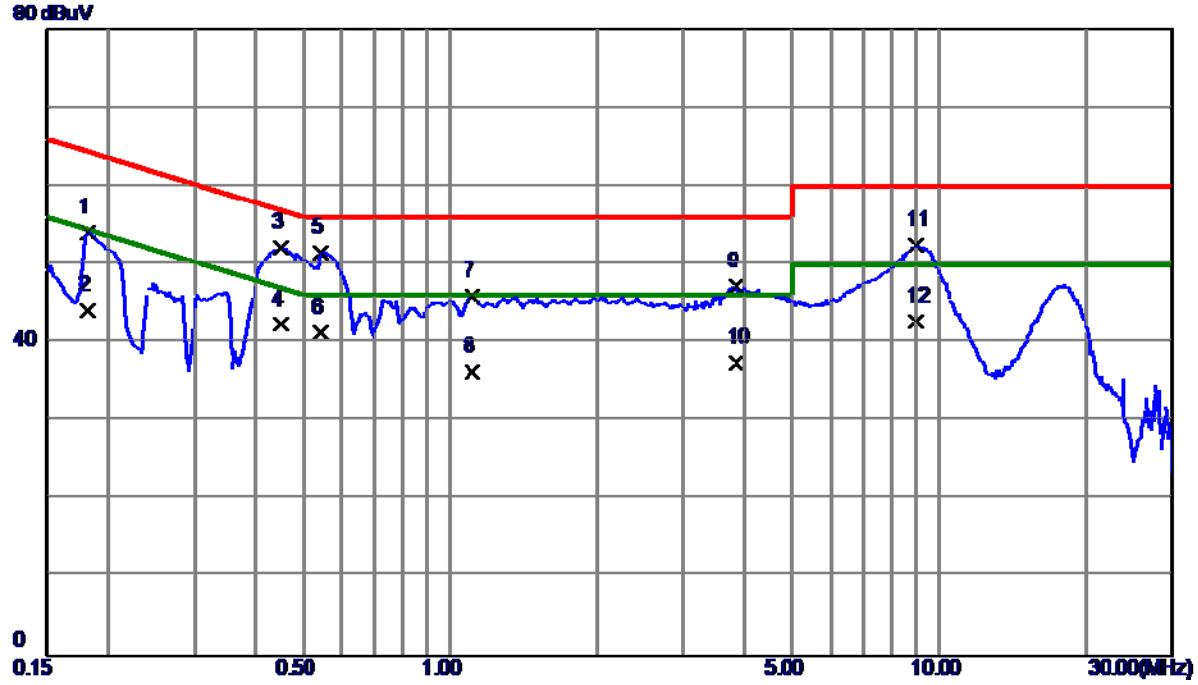
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.53	9.67	54.20	64.42	-10.22	QP
2	0.1815	34.50	9.67	44.17	54.42	-10.25	AVG
3	0.4560	42.37	9.71	52.08	56.77	-4.69	QP
4 *	0.4560	32.51	9.71	42.22	46.77	-4.55	AVG
5	0.5460	41.32	9.72	51.04	56.00	-4.96	QP
6	0.5460	31.50	9.72	41.22	46.00	-4.78	AVG
7	1.1017	36.18	9.78	45.96	56.00	-10.04	QP
8	1.1017	26.60	9.78	36.38	46.00	-9.62	AVG
9	3.7950	37.11	9.96	47.07	56.00	-8.93	QP
10	3.7950	27.49	9.96	37.45	46.00	-8.55	AVG
11	9.2084	42.10	10.30	52.40	60.00	-7.60	QP
12	9.2084	32.60	10.30	42.90	50.00	-7.10	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



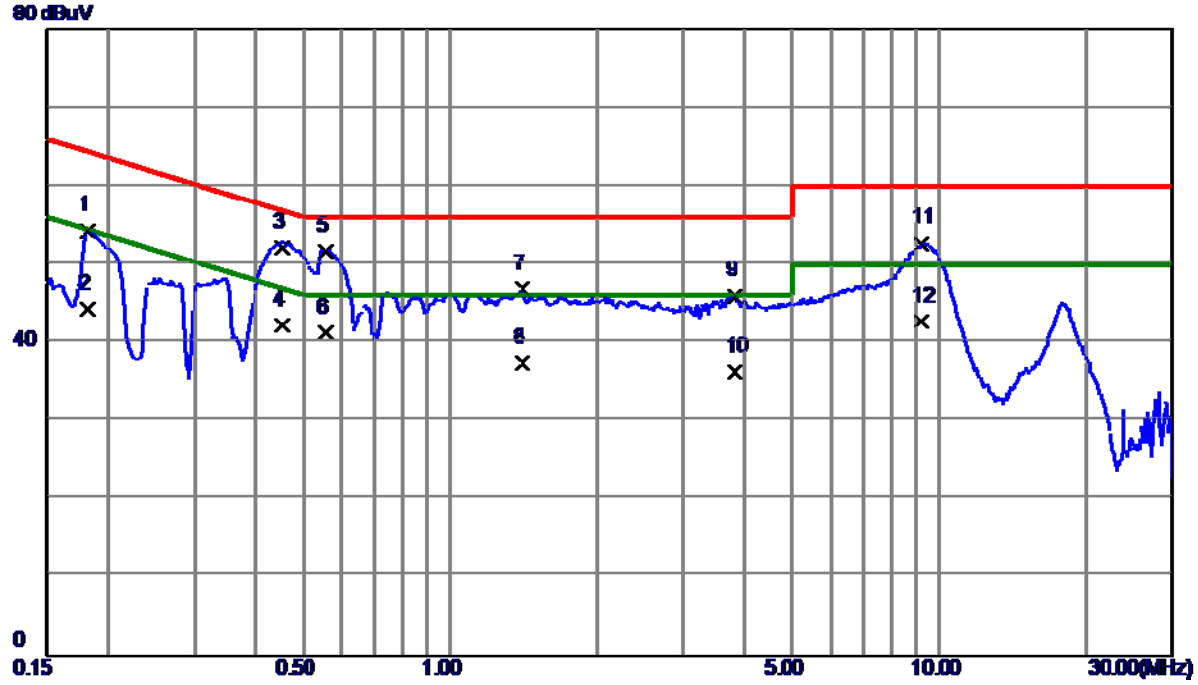
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.74	9.69	54.43	64.42	-9.99	QP
2	0.1815	34.50	9.69	44.19	54.42	-10.23	AVG
3	0.4515	42.60	9.73	52.33	56.85	-4.52	QP
4	0.4515	32.50	9.73	42.23	46.85	-4.62	AVG
5 *	0.5527	42.12	9.74	51.86	56.00	-4.14	QP
6	0.5527	31.30	9.74	41.04	46.00	-4.96	AVG
7	0.7417	36.54	9.75	46.29	56.00	-9.71	QP
8	0.7417	26.50	9.75	36.25	46.00	-9.75	AVG
9	3.8423	36.05	9.95	46.00	56.00	-10.00	QP
10	3.8423	26.21	9.95	36.16	46.00	-9.84	AVG
11	9.2175	42.56	10.27	52.83	60.00	-7.17	QP
12	9.2175	32.40	10.27	42.67	50.00	-7.33	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



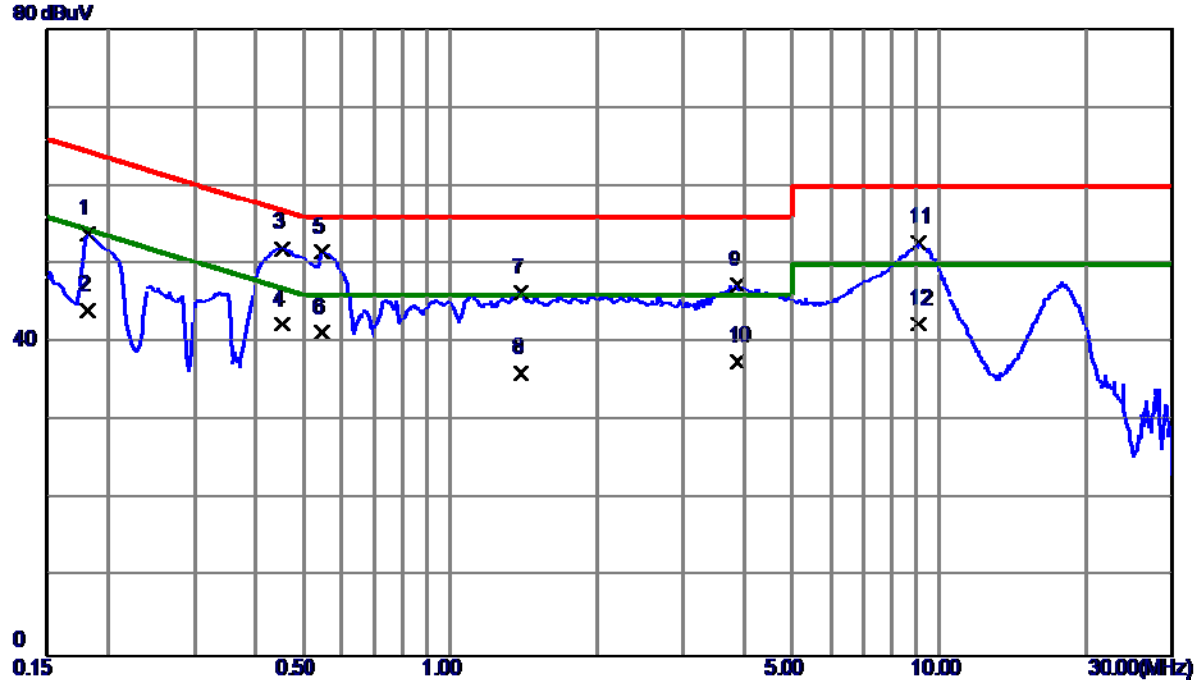
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.45	9.67	54.12	64.42	-10.30	QP
2	0.1815	34.50	9.67	44.17	54.42	-10.25	AVG
3	0.4515	42.44	9.71	52.15	56.85	-4.70	QP
4	0.4515	32.61	9.71	42.32	46.85	-4.53	AVG
5 *	0.5460	41.83	9.72	51.55	56.00	-4.45	QP
6	0.5460	31.50	9.72	41.22	46.00	-4.78	AVG
7	1.1107	36.06	9.78	45.84	56.00	-10.16	QP
8	1.1107	26.60	9.78	36.38	46.00	-9.62	AVG
9	3.8535	37.31	9.96	47.27	56.00	-8.73	QP
10	3.8535	27.51	9.96	37.47	46.00	-8.53	AVG
11	8.9858	42.21	10.29	52.50	60.00	-7.50	QP
12	8.9858	32.50	10.29	42.79	50.00	-7.21	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	1.5m		
Test Engineer	Kang Zhang		



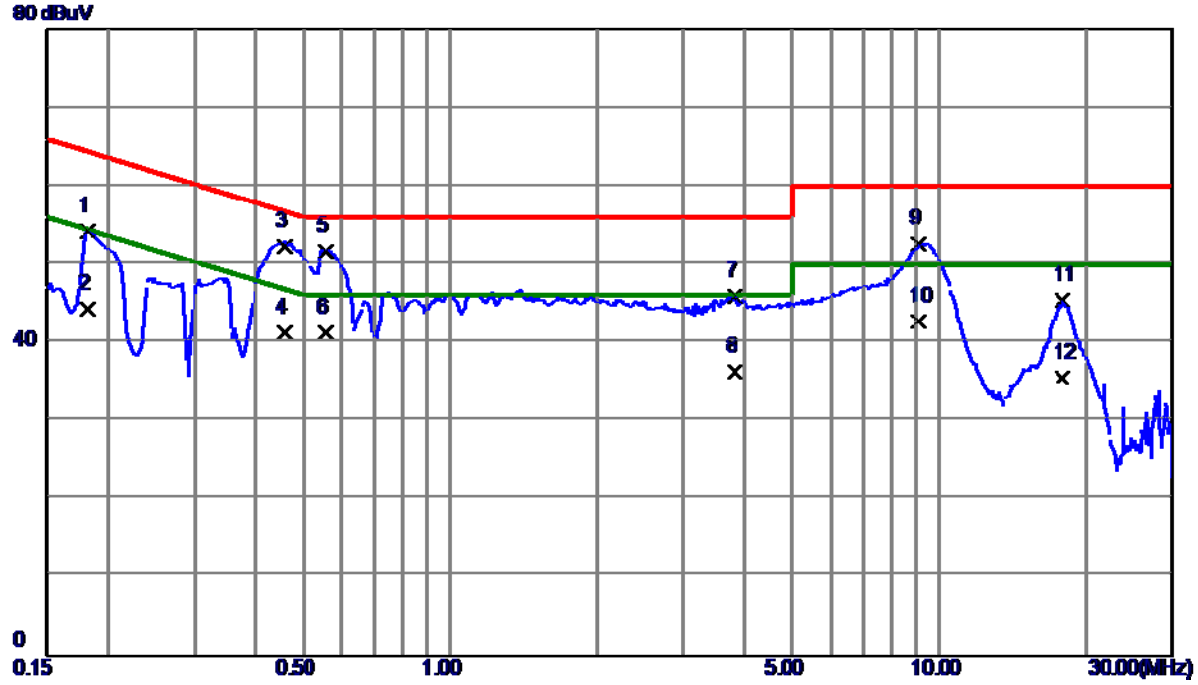
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.63	9.69	54.32	64.42	-10.10	QP
2	0.1815	34.60	9.69	44.29	54.42	-10.13	AVG
3	0.4537	42.50	9.73	52.23	56.81	-4.58	QP
4	0.4537	32.50	9.73	42.23	46.81	-4.58	AVG
5 *	0.5571	41.90	9.74	51.64	56.00	-4.36	QP
6	0.5571	31.50	9.74	41.24	46.00	-4.76	AVG
7	1.4055	37.03	9.80	46.83	56.00	-9.17	QP
8	1.4055	27.61	9.80	37.41	46.00	-8.59	AVG
9	3.8153	36.05	9.95	46.00	56.00	-10.00	QP
10	3.8153	26.40	9.95	36.35	46.00	-9.65	AVG
11	9.2084	42.45	10.27	52.72	60.00	-7.28	QP
12	9.2084	32.50	10.27	42.77	50.00	-7.23	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	1.5m		
Test Engineer	Kang Zhang		



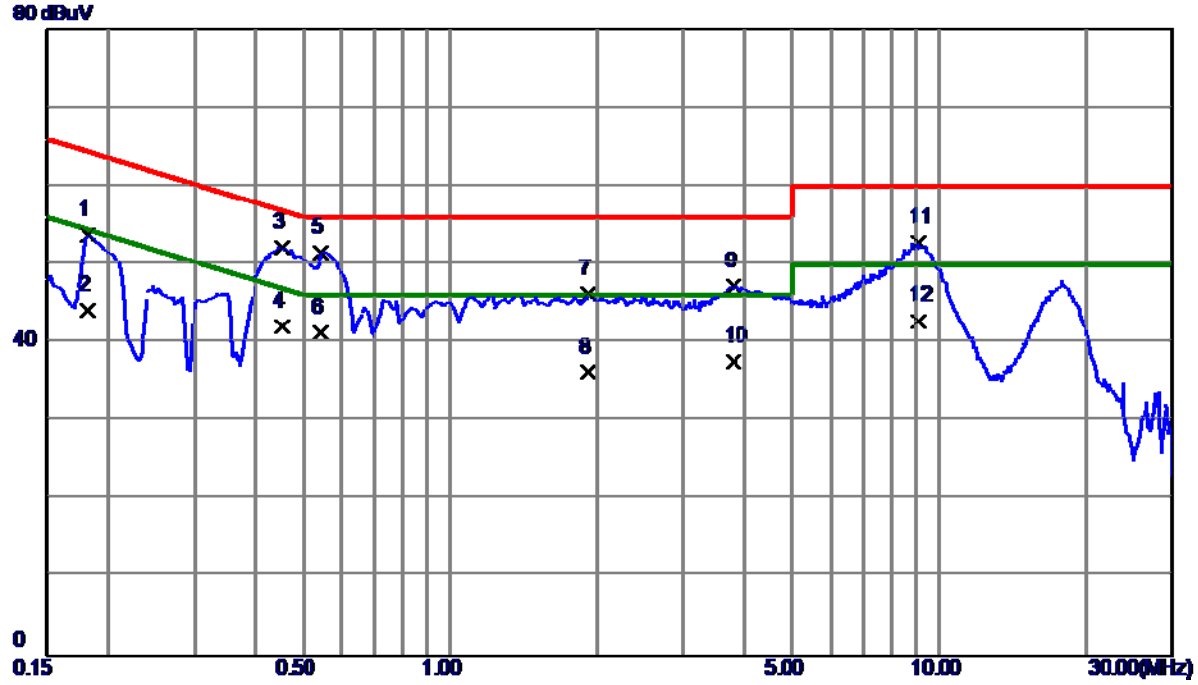
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.17	9.67	53.84	64.42	-10.58	QP
2	0.1815	34.50	9.67	44.17	54.42	-10.25	AVG
3	0.4537	42.37	9.71	52.08	56.81	-4.73	QP
4	0.4537	32.61	9.71	42.32	46.81	-4.49	AVG
5 *	0.5482	41.88	9.72	51.60	56.00	-4.40	QP
6	0.5482	31.50	9.72	41.22	46.00	-4.78	AVG
7	1.3943	36.58	9.80	46.38	56.00	-9.62	QP
8	1.3943	26.40	9.80	36.20	46.00	-9.80	AVG
9	3.8603	37.35	9.96	47.31	56.00	-8.69	QP
10	3.8603	27.61	9.96	37.57	46.00	-8.43	AVG
11	9.0825	42.49	10.30	52.79	60.00	-7.21	QP
12	9.0825	32.10	10.30	42.40	50.00	-7.60	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	1.2m		
Test Engineer	Kang Zhang		



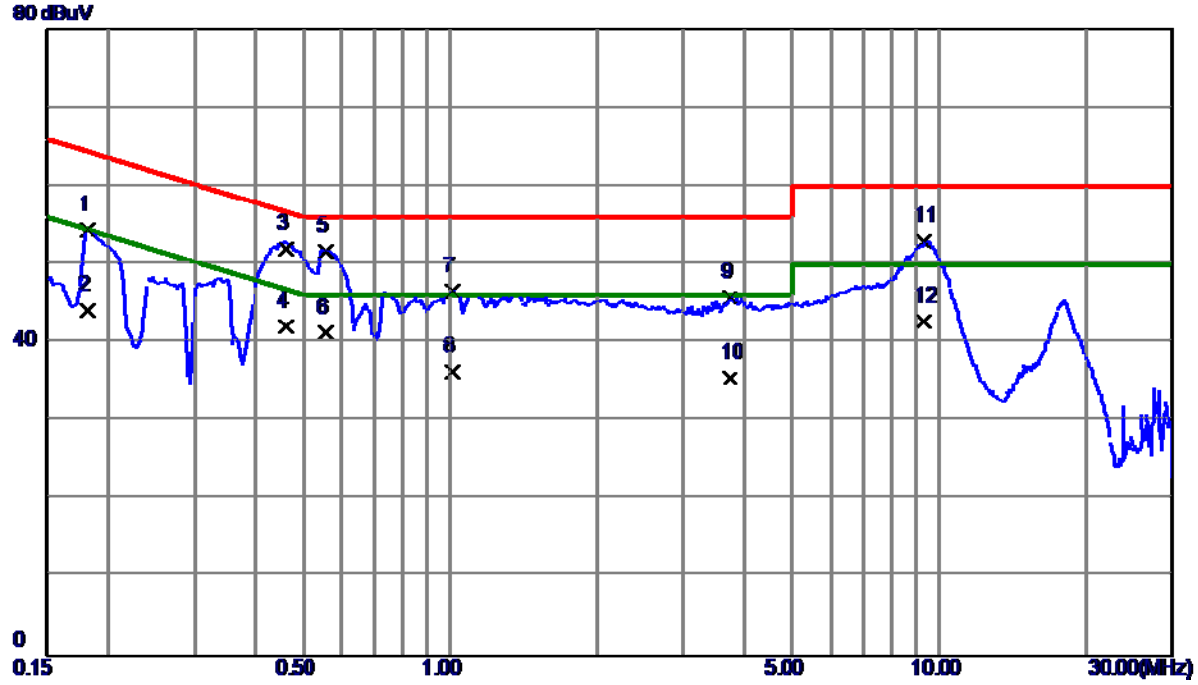
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.49	9.69	54.18	64.42	-10.24	QP
2	0.1815	34.60	9.69	44.29	54.42	-10.13	AVG
3	0.4582	42.60	9.73	52.33	56.73	-4.40	QP
4	0.4582	31.50	9.73	41.23	46.73	-5.50	AVG
5 *	0.5571	42.00	9.74	51.74	56.00	-4.26	QP
6	0.5571	31.60	9.74	41.34	46.00	-4.66	AVG
7	3.8220	36.04	9.95	45.99	56.00	-10.01	QP
8	3.8220	26.41	9.95	36.36	46.00	-9.64	AVG
9	9.0893	42.35	10.27	52.62	60.00	-7.38	QP
10	9.0893	32.50	10.27	42.77	50.00	-7.23	AVG
11	17.8980	34.84	10.58	45.42	60.00	-14.58	QP
12	17.8980	24.90	10.58	35.48	50.00	-14.52	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	1.2m		
Test Engineer	Kang Zhang		



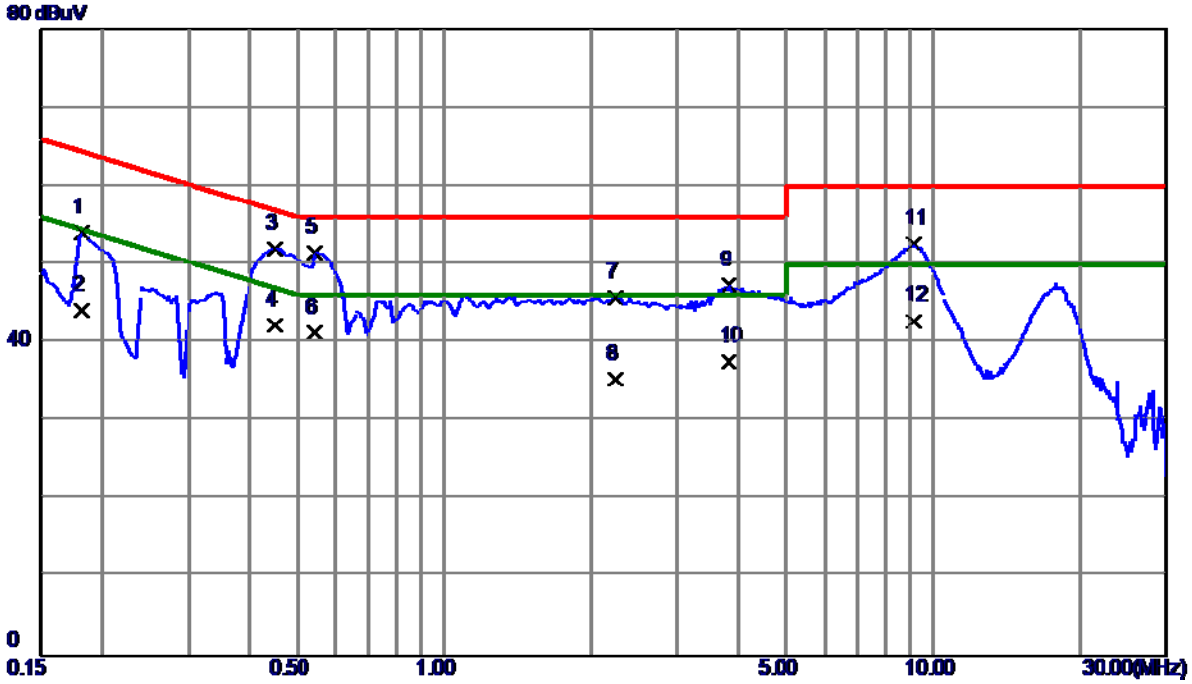
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.10	9.67	53.77	64.42	-10.65	QP
2	0.1815	34.50	9.67	44.17	54.42	-10.25	AVG
3	0.4537	42.41	9.71	52.12	56.81	-4.69	QP
4	0.4537	32.41	9.71	42.12	46.81	-4.69	AVG
5 *	0.5460	41.87	9.72	51.59	56.00	-4.41	QP
6	0.5460	31.50	9.72	41.22	46.00	-4.78	AVG
7	1.9185	36.40	9.84	46.24	56.00	-9.76	QP
8	1.9185	26.40	9.84	36.24	46.00	-9.76	AVG
9	3.7928	37.19	9.96	47.15	56.00	-8.85	QP
10	3.7928	27.59	9.96	37.55	46.00	-8.45	AVG
11	9.0600	42.43	10.30	52.73	60.00	-7.27	QP
12	9.0600	32.50	10.30	42.80	50.00	-7.20	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1080P		
Note	1.8m		
Test Engineer	Kang Zhang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.77	9.69	54.46	64.42	-9.96	QP
2	0.1815	34.50	9.69	44.19	54.42	-10.23	AVG
3	0.4605	42.30	9.73	52.03	56.68	-4.65	QP
4	0.4605	32.30	9.73	42.03	46.68	-4.65	AVG
5 *	0.5571	41.90	9.74	51.64	56.00	-4.36	QP
6	0.5571	31.50	9.74	41.24	46.00	-4.76	AVG
7	1.0117	36.84	9.78	46.62	56.00	-9.38	QP
8	1.0117	26.50	9.78	36.28	46.00	-9.72	AVG
9	3.7365	35.82	9.95	45.77	56.00	-10.23	QP
10	3.7365	25.60	9.95	35.55	46.00	-10.45	AVG
11	9.2985	42.64	10.28	52.92	60.00	-7.08	QP
12	9.2985	32.40	10.28	42.68	50.00	-7.32	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1080P		
Note	1.8m		
Test Engineer	Kang Zhang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1815	44.35	9.67	54.02	64.42	-10.40	QP
2	0.1815	34.50	9.67	44.17	54.42	-10.25	AVG
3	0.4515	42.33	9.71	52.04	56.85	-4.81	QP
4	0.4515	32.51	9.71	42.22	46.85	-4.63	AVG
5 *	0.5460	41.82	9.72	51.54	56.00	-4.46	QP
6	0.5460	31.60	9.72	41.32	46.00	-4.68	AVG
7	2.2358	35.96	9.86	45.82	56.00	-10.18	QP
8	2.2358	25.50	9.86	35.36	46.00	-10.64	AVG
9	3.8198	37.36	9.96	47.32	56.00	-8.68	QP
10	3.8198	27.59	9.96	37.55	46.00	-8.45	AVG
11	9.1095	42.28	10.30	52.58	60.00	-7.42	QP
12	9.1095	32.50	10.30	42.80	50.00	-7.20	AVG

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1 GHz
Measurement Method and Applied Limits:
ANSI C63.4:

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

Above 1 GHz
Measurement Method and Applied Limits:
ANSI C63.4:

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

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

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

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

4.2.2 MEASUREMENT INSTRUMENTS LIST

Below 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Pre-Amplifier	Mini-Circuits	EMC 9135	980284	Mar. 11, 2019
2	Pre-Amplifier	Mini-Circuits	EMC 9135	980283	Mar. 11, 2019
3	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	586	Nov. 09, 2018
4	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	587	Jan. 04, 2019
5	Cable	emci	LMR-400(5m +11m+15m)	N/A	Jan. 11, 2019
6	Cable	emci	LMR-400(5m +8m+15m)	N/A	Jan. 11, 2019
7	Measurement Software	Farad	EZ-EMC Ver.BTL-2AN T-1	N/A	N/A
8	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
9	Attenuator	N/A	SA18N-06	6dB	Apr. 14, 2018
10	Attenuator	N/A	SA18N-06	6dB	Apr. 14, 2018
11	Receiver	Keysight	N9038A	MY54450004	Aug. 15, 2018
12	MXE EMI Receiver	Agilent	N9038A	MY53220133	Mar. 11, 2019

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

Above 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Measurement Software	Farad	EZ-EMC Ver.BTL-2AN T-1	N/A	N/A
2	Cable	emci	SUCOFLEX_ 15m_5m(0.01 GHz－ 26.5GHz)	N/A	Dec. 26, 2018
3	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
4	Controller	MF	MF-7802	MF780208159	N/A
5	Horn Antenna	EMCO	3115	9605-4803	Mar. 11, 2019
6	Amplifier	Agilent	8449B	3008A02584	Aug. 20, 2018
7	MXE EMI Receiver	Agilent	N9038A	MY53220133	Mar. 11, 2019

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

4.2.3 TEST PROCEDURE

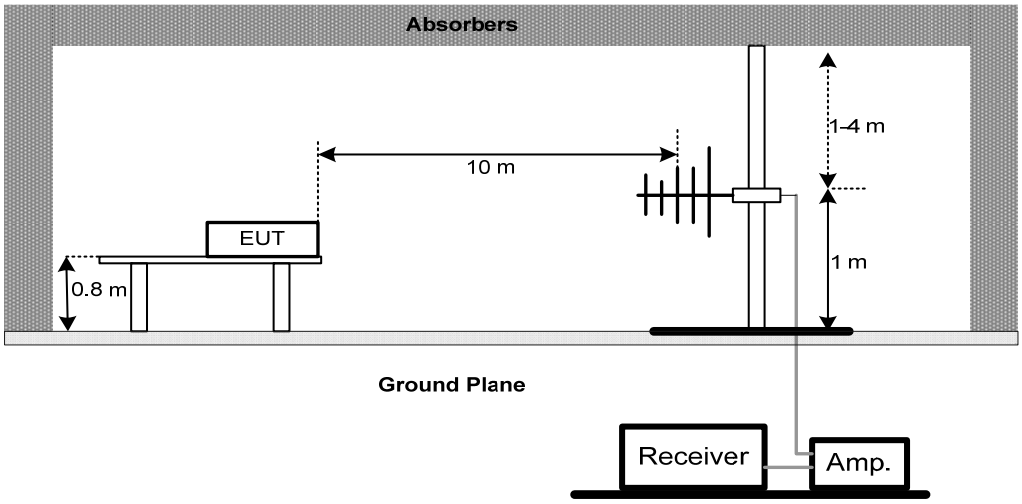
a. The measuring distance of 10 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1GHz)
i. For the actual test configuration, please refer to the related Item - Block Diagram of system tested (please refer to 3.3).

4.2.4 DEVIATION FROM TEST STANDARD

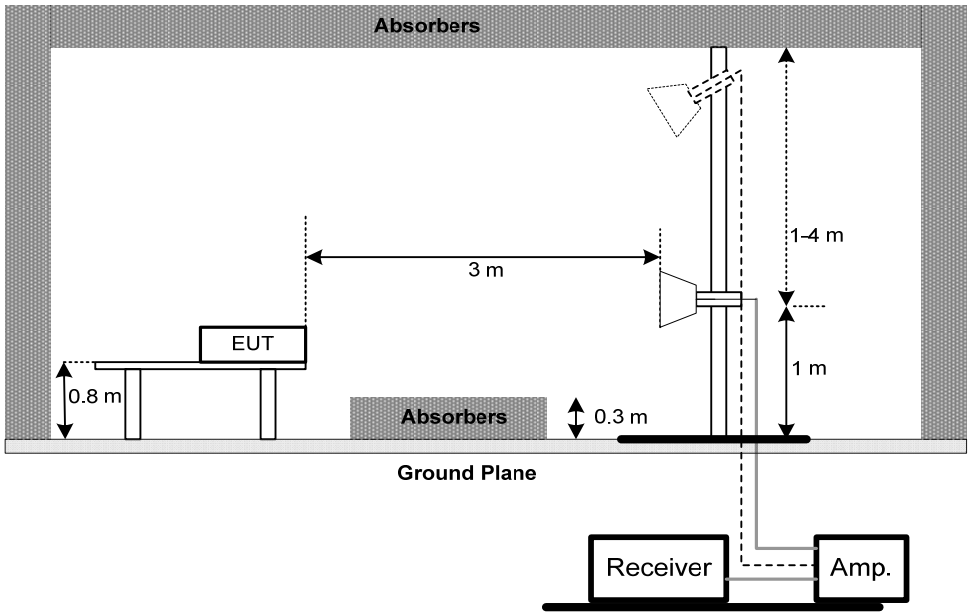
No deviation

4.2.5 TEST SETUP

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



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



4.2.6 TEST RESULTS-BELOW 1GHZ

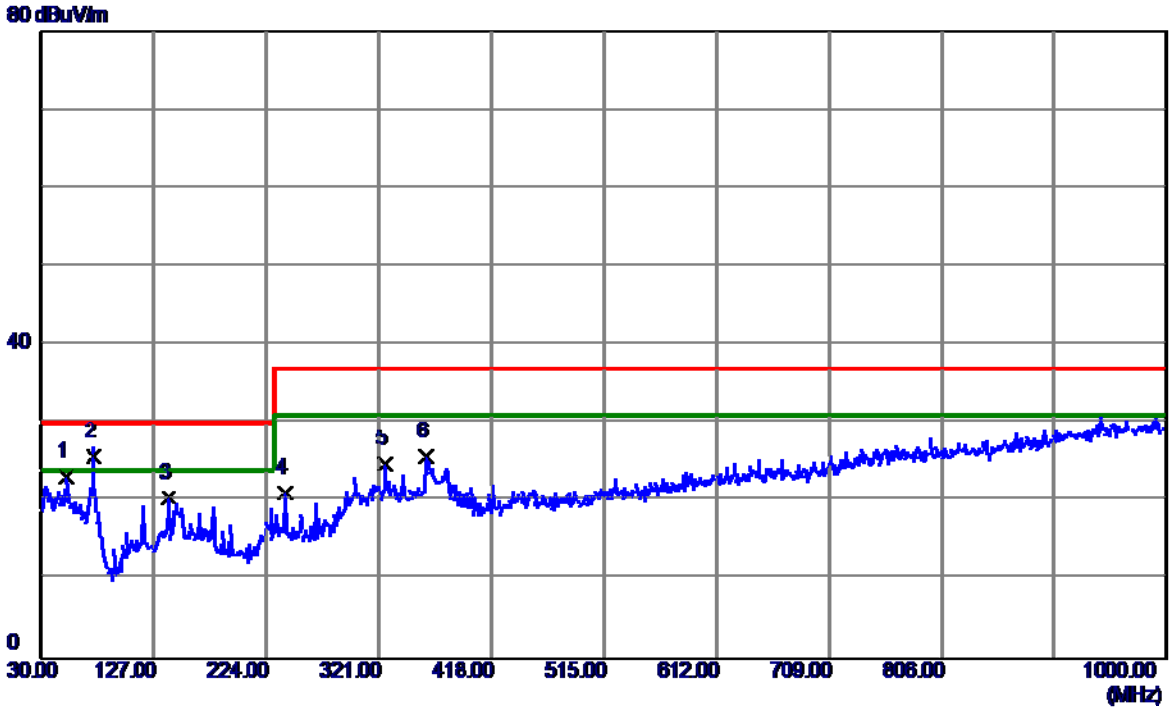
Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform ◦

(2) Measuring frequency range from 30MHz to 1000MHz ◦

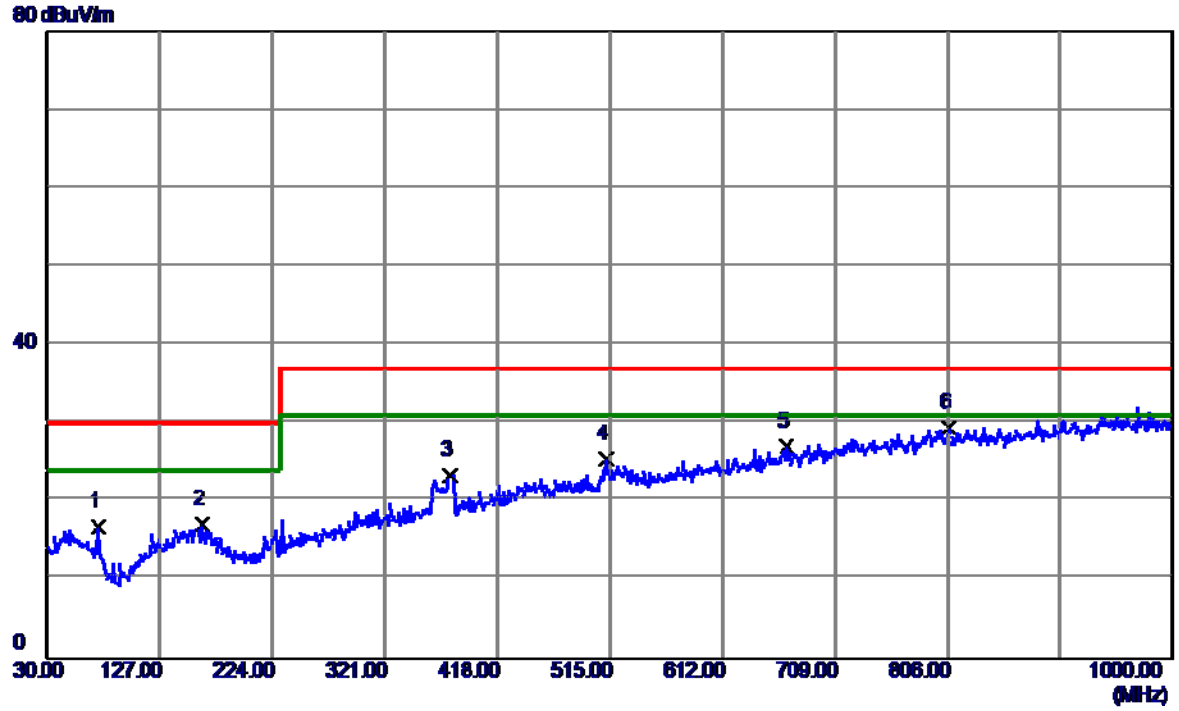
(3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



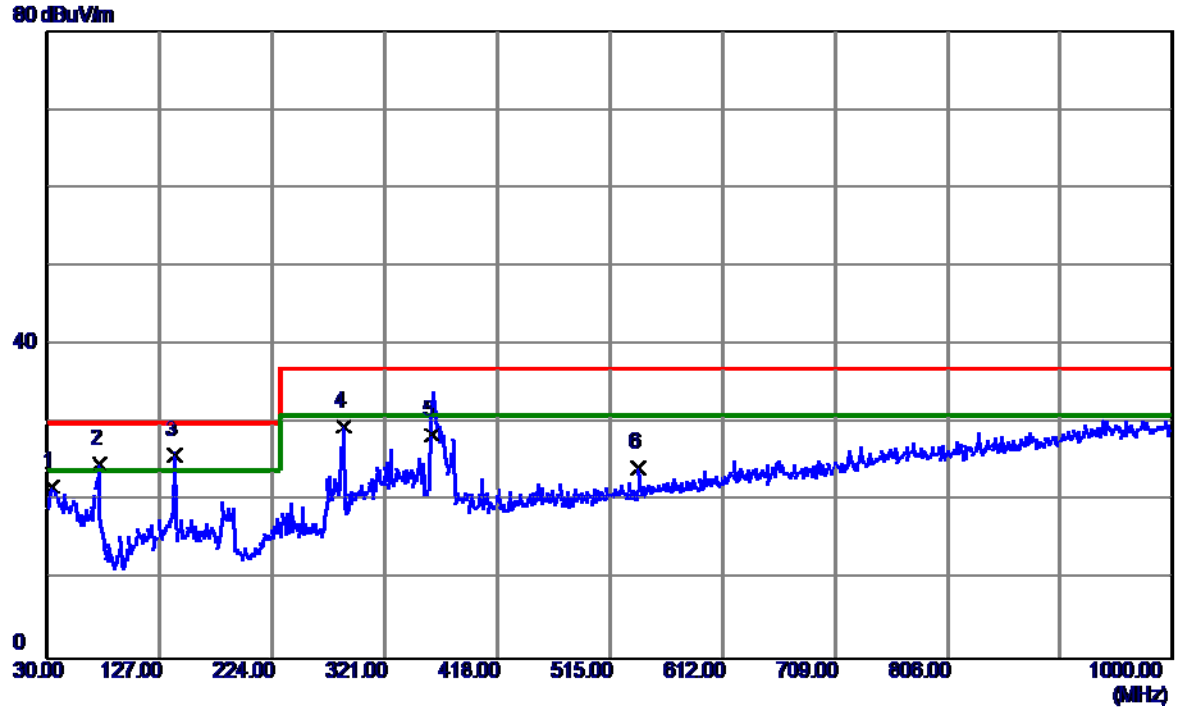
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	51.3400	45.42	-22.28	23.14	30.00	-6.86	QP
2 *	75.1050	50.98	-25.22	25.76	30.00	-4.24	QP
3	139.6100	42.62	-22.17	20.45	30.00	-9.55	QP
4	240.0050	44.12	-22.94	21.18	37.00	-15.82	QP
5	325.8500	44.87	-20.14	24.73	37.00	-12.27	QP
6	362.2250	45.11	-19.29	25.82	37.00	-11.18	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



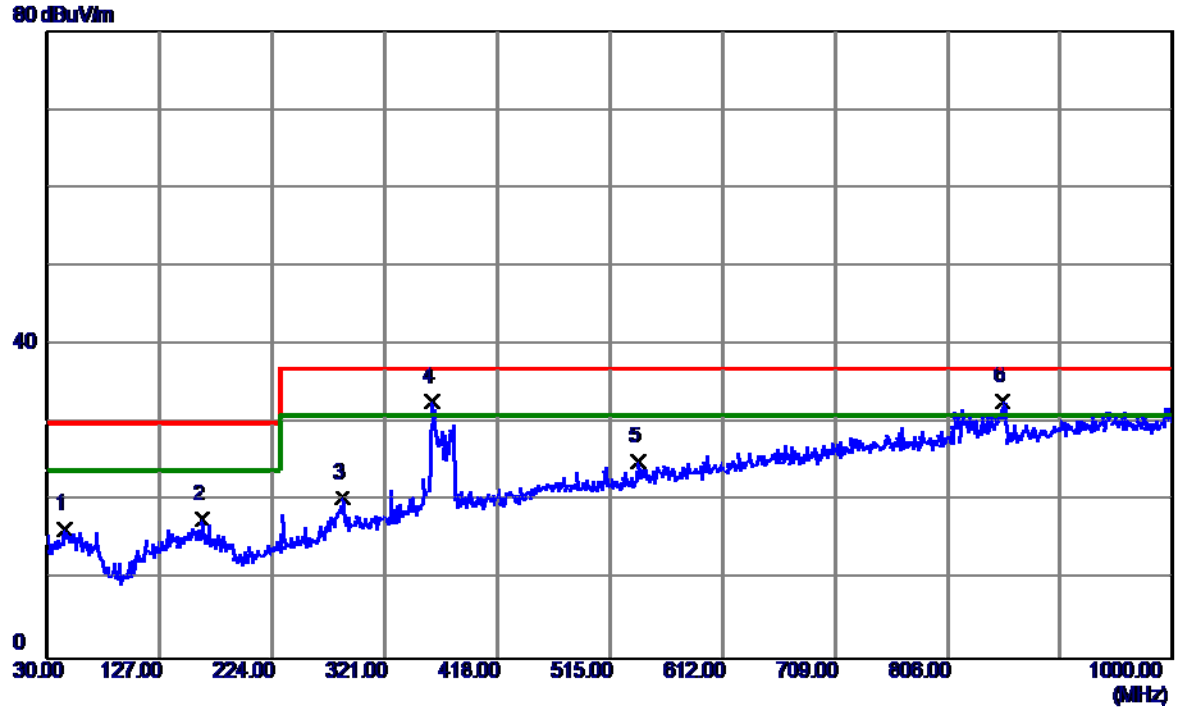
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	74.6200	35.69	-18.85	16.84	30.00	-13.16	QP
2	163.8600	31.77	-14.71	17.06	30.00	-12.94	QP
3	377.2600	34.91	-11.53	23.38	37.00	-13.62	QP
4	512.0900	33.95	-8.47	25.48	37.00	-11.52	QP
5	667.2900	32.26	-5.20	27.06	37.00	-9.94	QP
6 *	806.9699	32.61	-3.18	29.43	37.00	-7.57	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



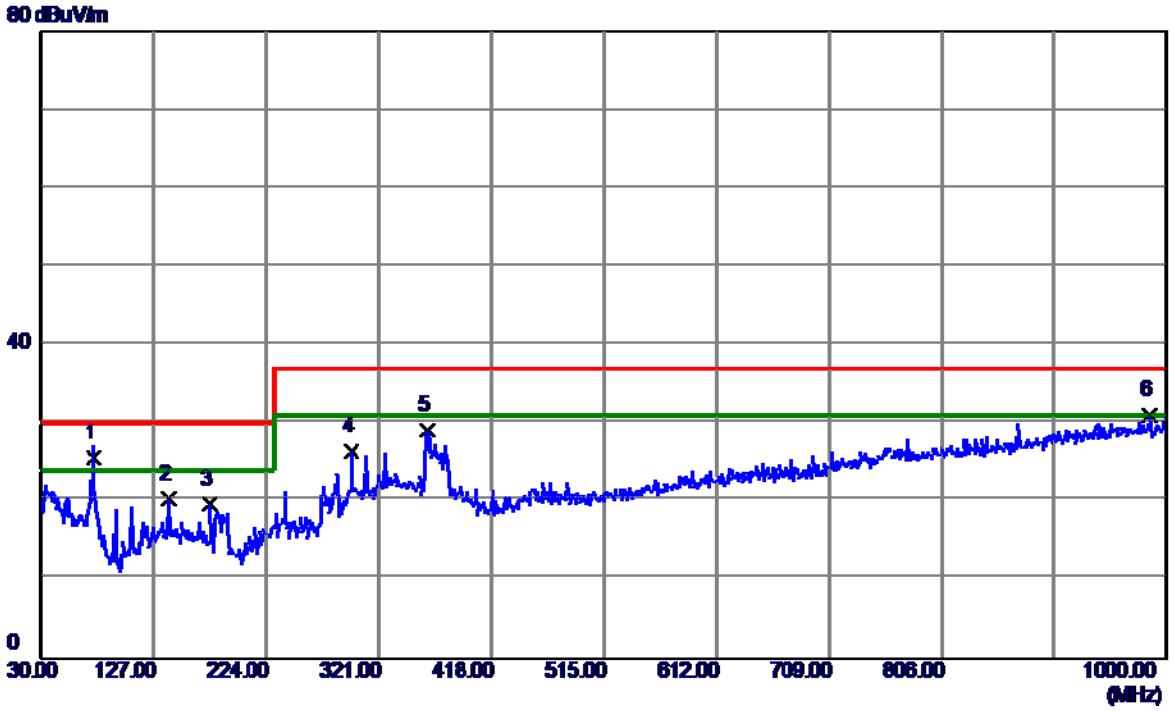
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	34.3650	45.80	-23.90	21.90	30.00	-8.10	QP
2	75.1050	50.05	-25.22	24.83	30.00	-5.17	QP
3 *	139.6100	48.12	-22.17	25.95	30.00	-4.05	QP
4	285.1099	50.66	-21.06	29.60	37.00	-7.40	QP
5	361.7400	47.80	-19.31	28.49	37.00	-8.51	QP
6	540.2199	39.99	-15.62	24.37	37.00	-12.63	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



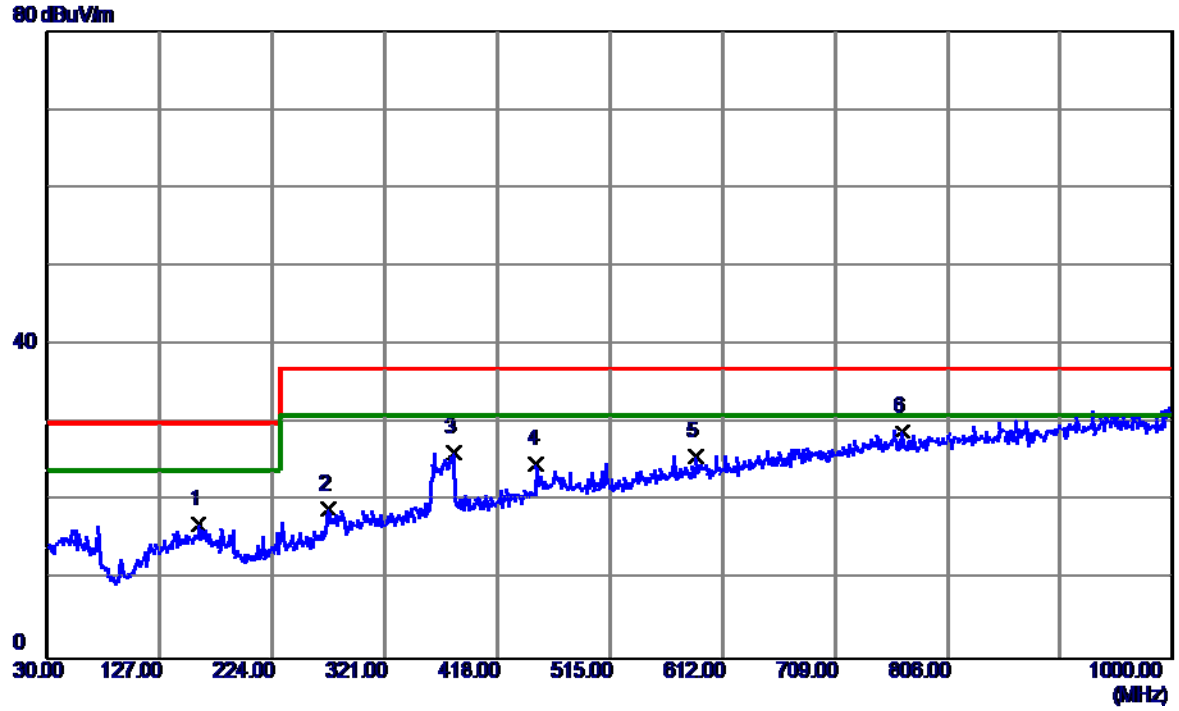
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	45.5200	32.71	-16.20	16.51	30.00	-13.49	QP
2	163.8600	32.49	-14.71	17.78	30.00	-12.22	QP
3	284.1400	34.53	-14.03	20.50	37.00	-16.50	QP
4	361.7400	44.75	-12.03	32.72	37.00	-4.28	QP
5	540.2199	33.09	-8.00	25.09	37.00	-11.91	QP
6 *	853.5300	35.50	-2.66	32.84	37.00	-4.16	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	1.5m		
Test Engineer	Kang Zhang		



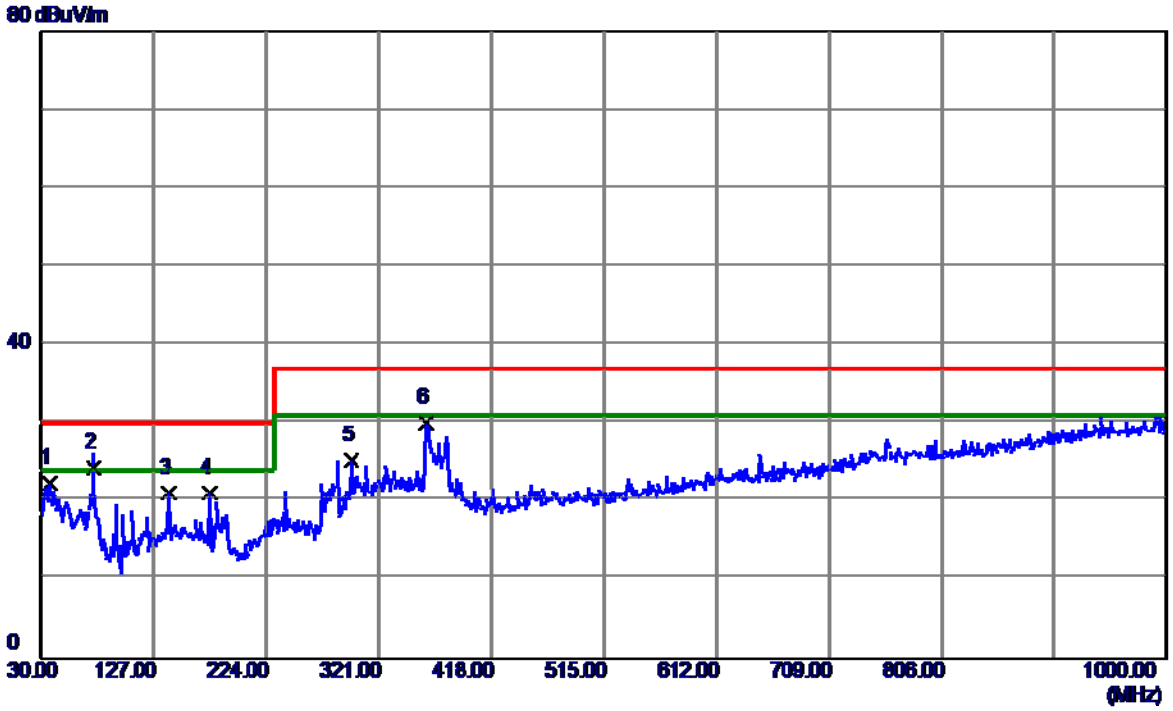
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	75.1050	50.86	-25.22	25.64	30.00	-4.36	QP
2	139.6100	42.47	-22.17	20.30	30.00	-9.70	QP
3	175.5000	42.32	-22.67	19.65	30.00	-10.35	QP
4	297.2349	47.21	-20.77	26.44	37.00	-10.56	QP
5	363.1950	48.42	-19.27	29.15	37.00	-7.85	QP
6	984.9650	38.64	-7.60	31.04	37.00	-5.96	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	1.5m		
Test Engineer	Kang Zhang		



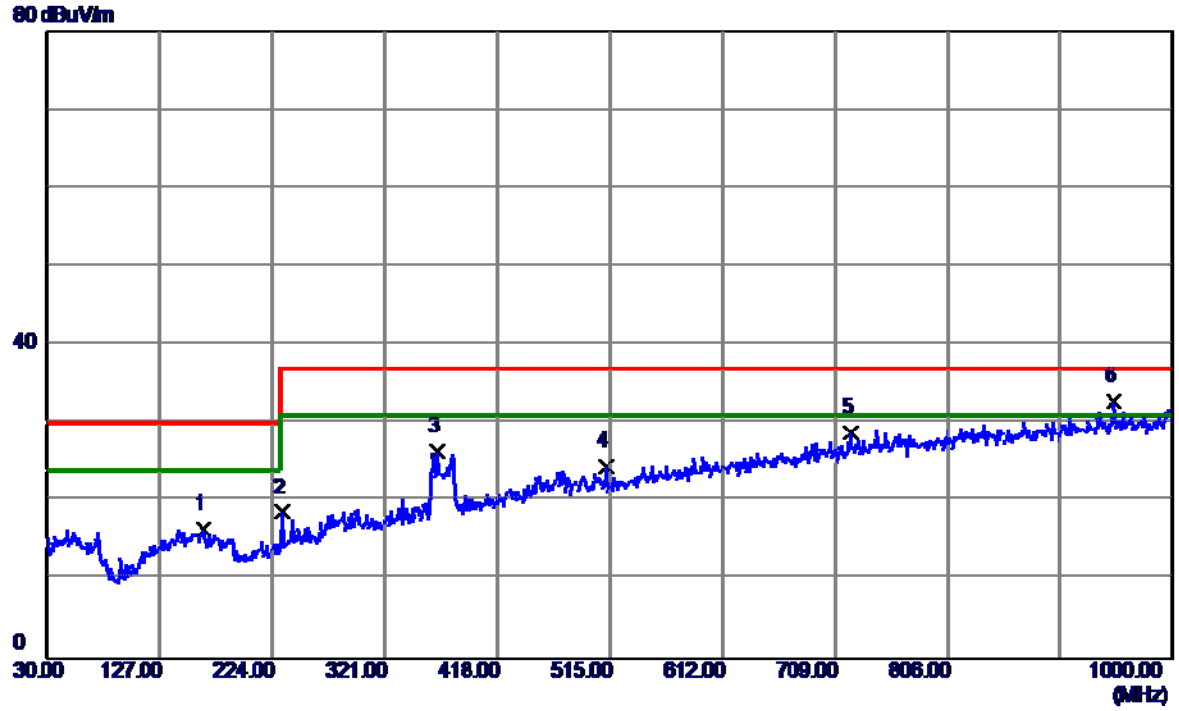
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	159.9800	31.73	-14.57	17.16	30.00	-12.84	QP
2	272.5000	33.56	-14.59	18.97	37.00	-18.03	QP
3	380.1700	37.74	-11.44	26.30	37.00	-10.70	QP
4	451.9500	34.25	-9.50	24.75	37.00	-12.25	QP
5	589.6900	32.26	-6.49	25.77	37.00	-11.23	QP
6 *	767.2000	32.57	-3.54	29.03	37.00	-7.97	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	1.2m		
Test Engineer	Kang Zhang		



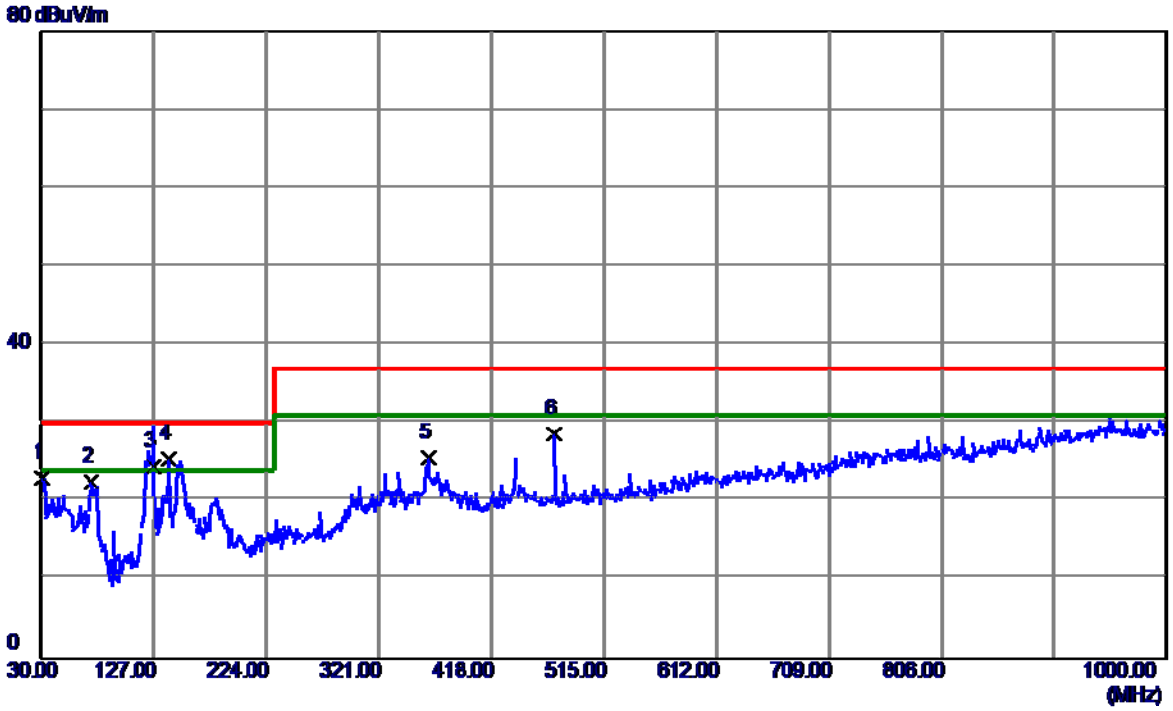
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	37.2750	45.89	-23.55	22.34	30.00	-7.66	QP
2 *	75.1050	49.58	-25.22	24.36	30.00	-5.64	QP
3	139.6100	43.31	-22.17	21.14	30.00	-8.86	QP
4	175.5000	43.85	-22.67	21.18	30.00	-8.82	QP
5	297.2349	46.05	-20.77	25.28	37.00	-11.72	QP
6	362.2250	49.34	-19.29	30.05	37.00	-6.95	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	1.2m		
Test Engineer	Kang Zhang		



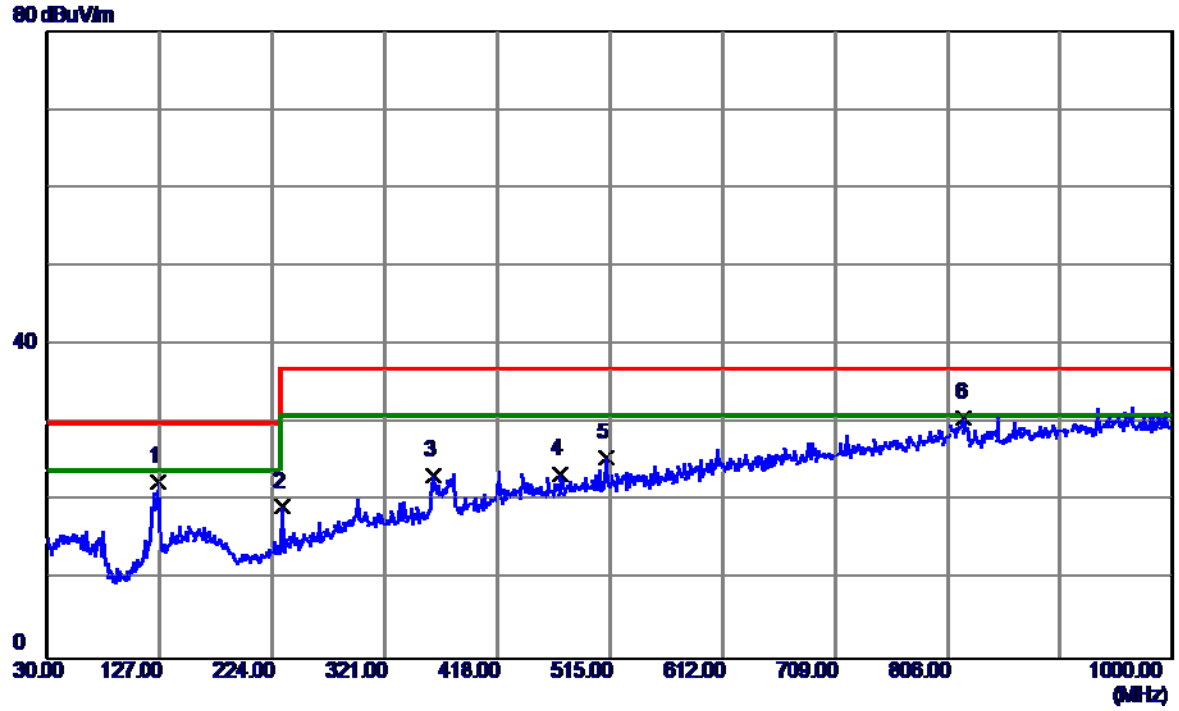
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	164.8300	31.27	-14.74	16.53	30.00	-13.47	QP
2	232.7300	35.53	-16.89	18.64	37.00	-18.36	QP
3	366.5900	38.22	-11.87	26.35	37.00	-10.65	QP
4	512.0900	32.97	-8.47	24.50	37.00	-12.50	QP
5	722.5800	33.03	-4.19	28.84	37.00	-8.16	QP
6 *	949.5600	33.80	-1.04	32.76	37.00	-4.24	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1080P		
Note	1.8m		
Test Engineer	Kang Zhang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	30.9700	47.11	-24.06	23.05	30.00	-6.95	QP
2	73.1650	47.43	-24.82	22.61	30.00	-7.39	QP
3	126.5150	47.88	-23.43	24.45	30.00	-5.55	QP
4 *	139.6100	47.57	-22.17	25.40	30.00	-4.60	QP
5	364.1650	44.91	-19.24	25.67	37.00	-11.33	QP
6	472.3200	45.29	-16.59	28.70	37.00	-8.30	QP

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1080P		
Note	1.8m		
Test Engineer	Kang Zhang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	126.0300	39.23	-16.68	22.55	30.00	-7.45	QP
2	232.7300	36.22	-16.89	19.33	37.00	-17.67	QP
3	362.7100	35.37	-12.00	23.37	37.00	-13.63	QP
4	472.3200	32.66	-9.15	23.51	37.00	-13.49	QP
5	512.0900	34.06	-8.47	25.59	37.00	-11.41	QP
6 *	820.5500	33.73	-3.04	30.69	37.00	-6.31	QP

4.2.7 TEST RESULTS-ABOVE 1GHZ

Remark：

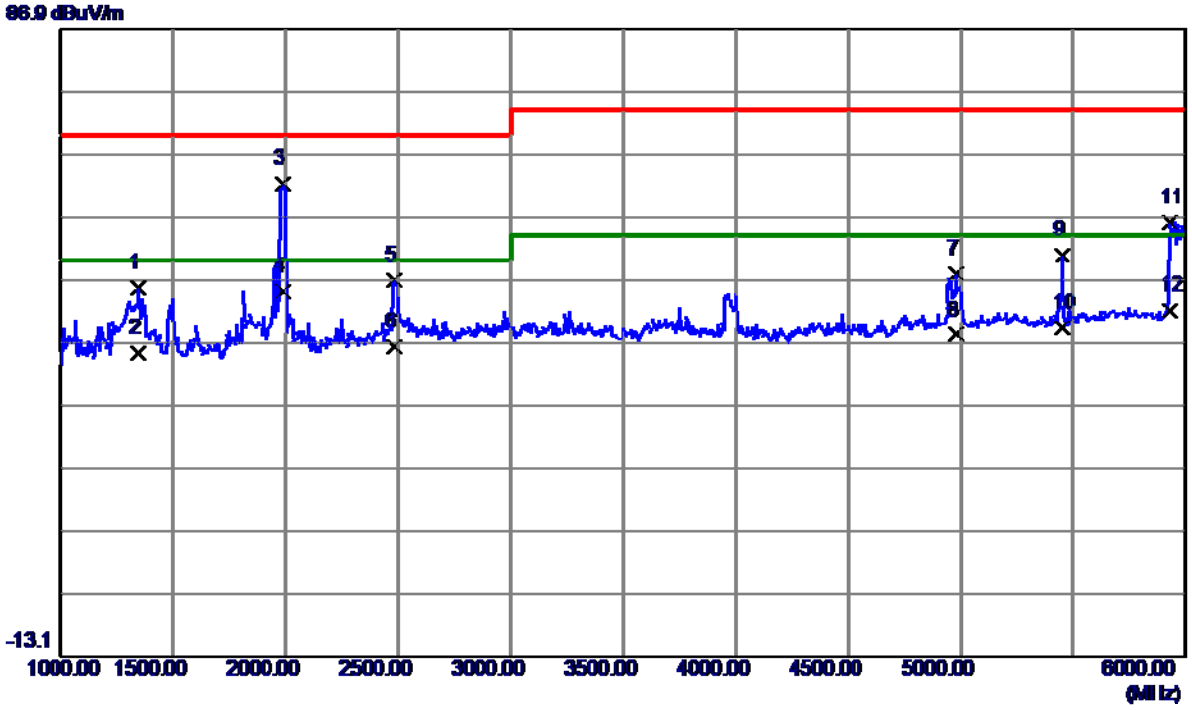
(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.

(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.

(3) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

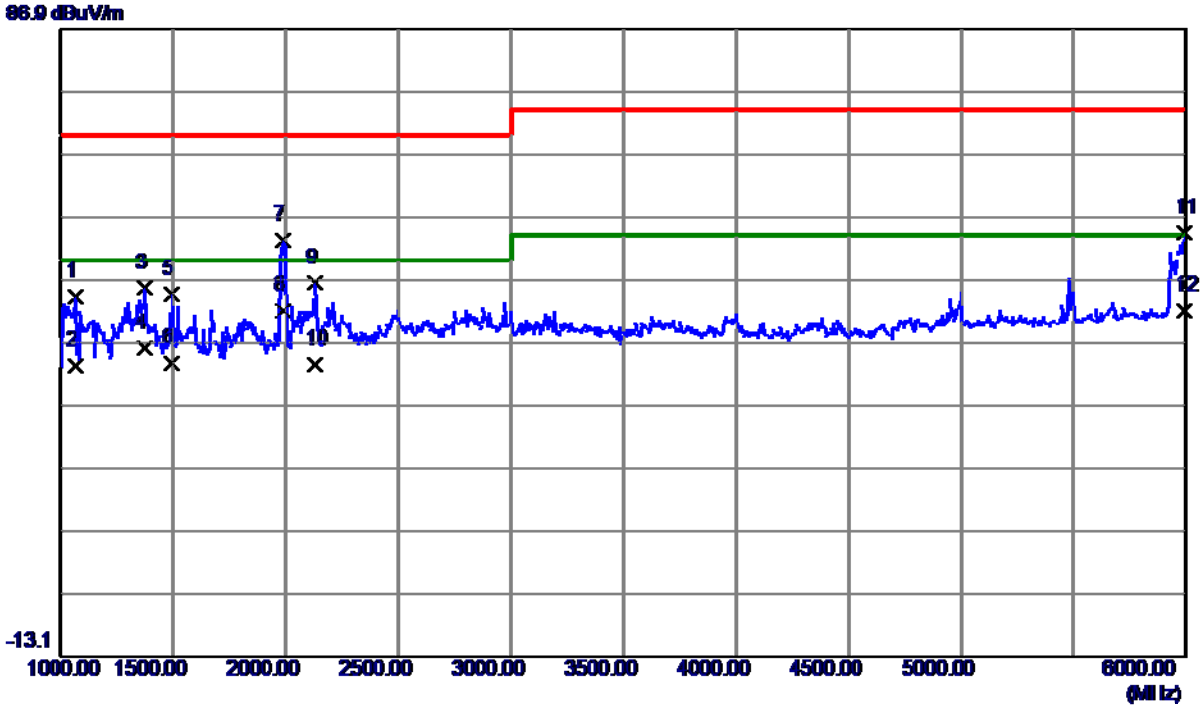
(4) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



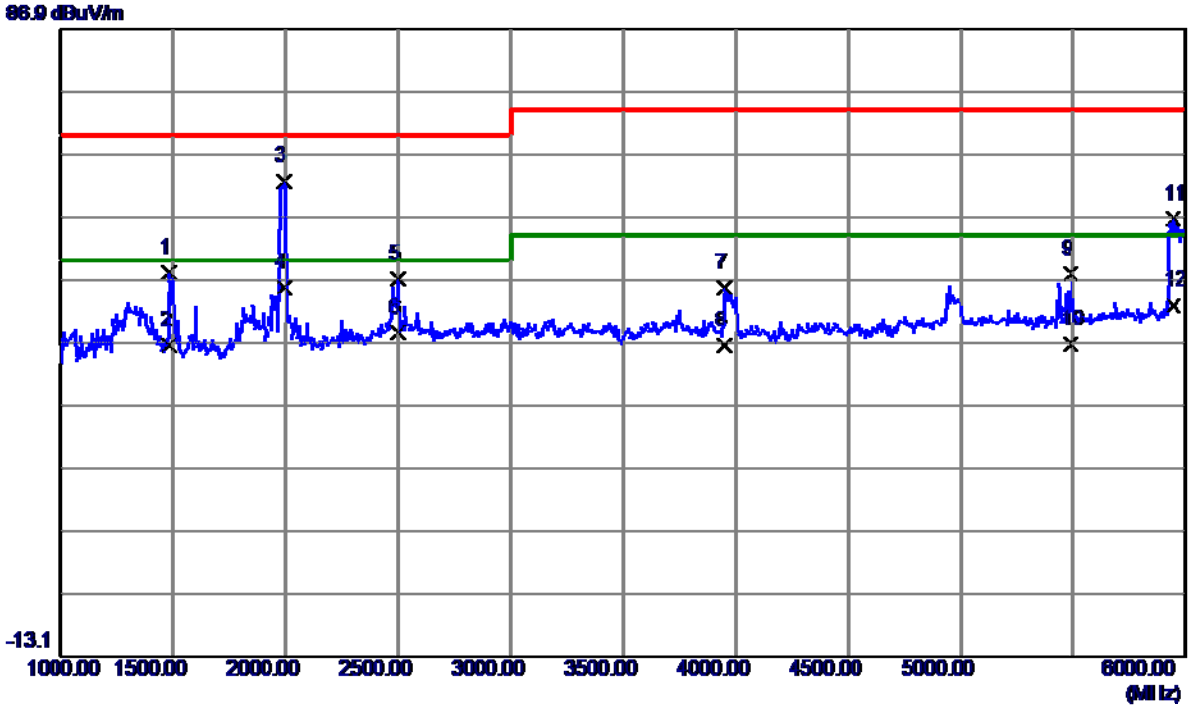
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1345.0000	49.14	-3.35	45.79	70.00	-24.21	Peak
2	1345.0000	38.61	-3.35	35.26	50.00	-14.74	AVG
3	1990.0000	63.74	-1.51	62.23	70.00	-7.77	Peak
4 *	1990.0000	46.69	-1.51	45.18	50.00	-4.82	AVG
5	2485.0000	44.85	2.03	46.88	70.00	-23.12	Peak
6	2485.0000	34.32	2.03	36.35	50.00	-13.65	AVG
7	4977.5000	39.76	8.22	47.98	74.00	-26.02	Peak
8	4977.5000	29.98	8.22	38.20	54.00	-15.80	AVG
9	5447.5000	40.98	9.93	50.91	74.00	-23.09	Peak
10	5447.5000	29.29	9.93	39.22	54.00	-14.78	AVG
11	5927.5000	45.12	10.97	56.09	74.00	-17.91	Peak
12	5927.5000	31.04	10.97	42.01	54.00	-11.99	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



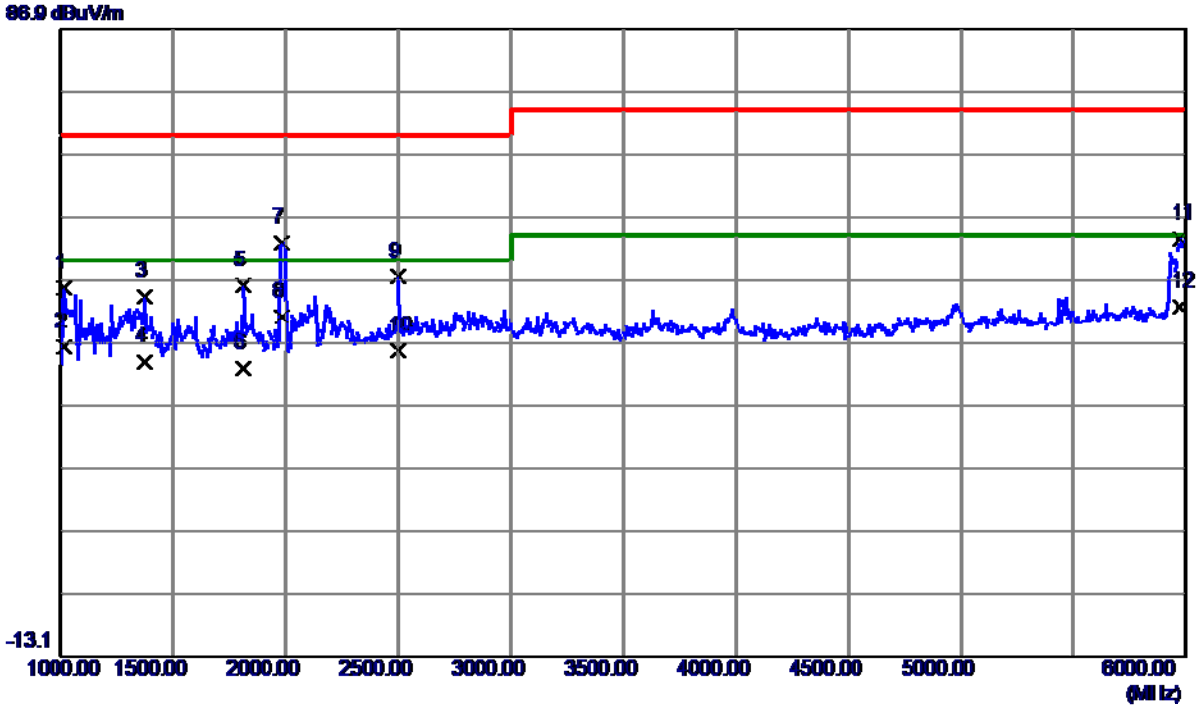
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1065.0000	49.13	-4.89	44.24	70.00	-25.76	Peak
2	1065.0000	38.14	-4.89	33.25	50.00	-16.75	AVG
3	1370.0000	48.83	-3.22	45.61	70.00	-24.39	Peak
4	1370.0000	39.38	-3.22	36.16	50.00	-13.84	AVG
5	1495.0000	47.21	-2.53	44.68	70.00	-25.32	Peak
6	1495.0000	36.27	-2.53	33.74	50.00	-16.26	AVG
7	1987.5000	54.82	-1.52	53.30	70.00	-16.70	Peak
8 *	1987.5000	43.57	-1.52	42.05	50.00	-7.95	AVG
9	2130.0000	47.14	-0.55	46.59	70.00	-23.41	Peak
10	2130.0000	34.04	-0.55	33.49	50.00	-16.51	AVG
11	5995.0000	43.42	11.10	54.52	74.00	-19.48	Peak
12	5995.0000	30.95	11.10	42.05	54.00	-11.95	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



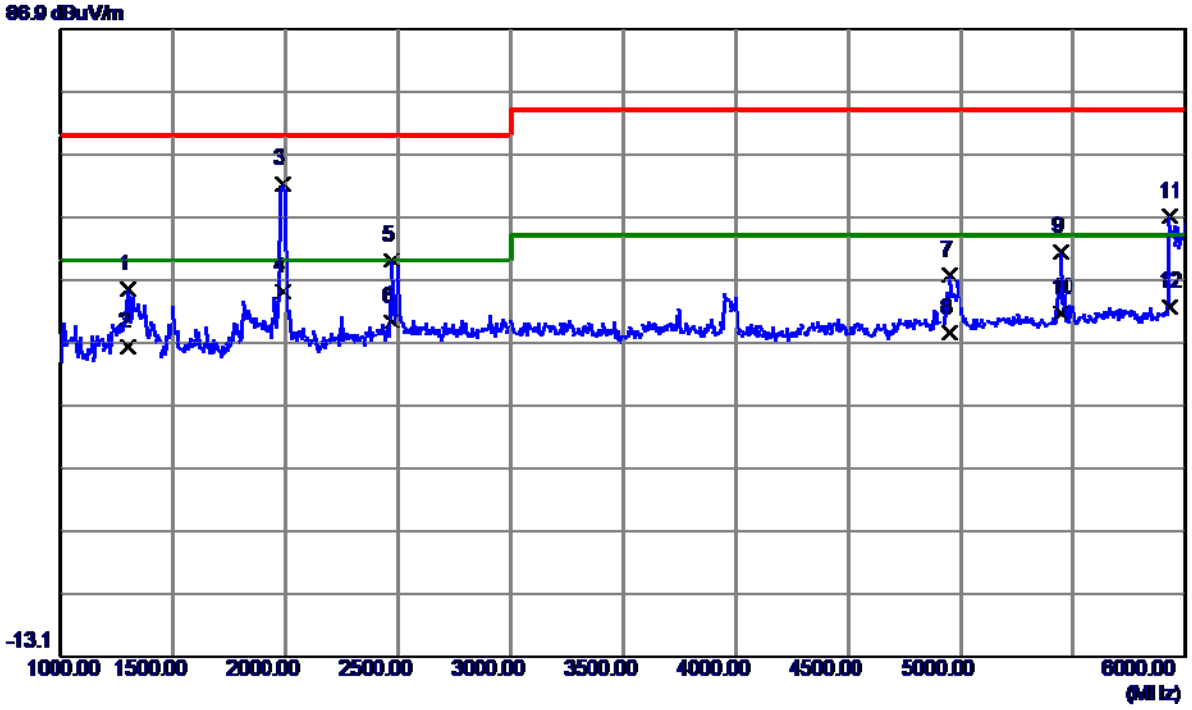
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1485.0000	50.70	-2.58	48.12	70.00	-21.88	Peak
2	1485.0000	39.16	-2.58	36.58	50.00	-13.42	AVG
3	1992.5000	64.20	-1.51	62.69	70.00	-7.31	Peak
4 *	1992.5000	47.27	-1.51	45.76	50.00	-4.24	AVG
5	2497.5000	44.95	2.12	47.07	70.00	-22.93	Peak
6	2497.5000	36.39	2.12	38.51	50.00	-11.49	AVG
7	3952.5000	40.07	5.65	45.72	74.00	-28.28	Peak
8	3952.5000	30.89	5.65	36.54	54.00	-17.46	AVG
9	5490.0000	37.79	10.08	47.87	74.00	-26.13	Peak
10	5490.0000	26.54	10.08	36.62	54.00	-17.38	AVG
11	5945.0000	45.72	11.00	56.72	74.00	-17.28	Peak
12	5945.0000	31.97	11.00	42.97	54.00	-11.03	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	1.8m		
Test Engineer	Kang Zhang		



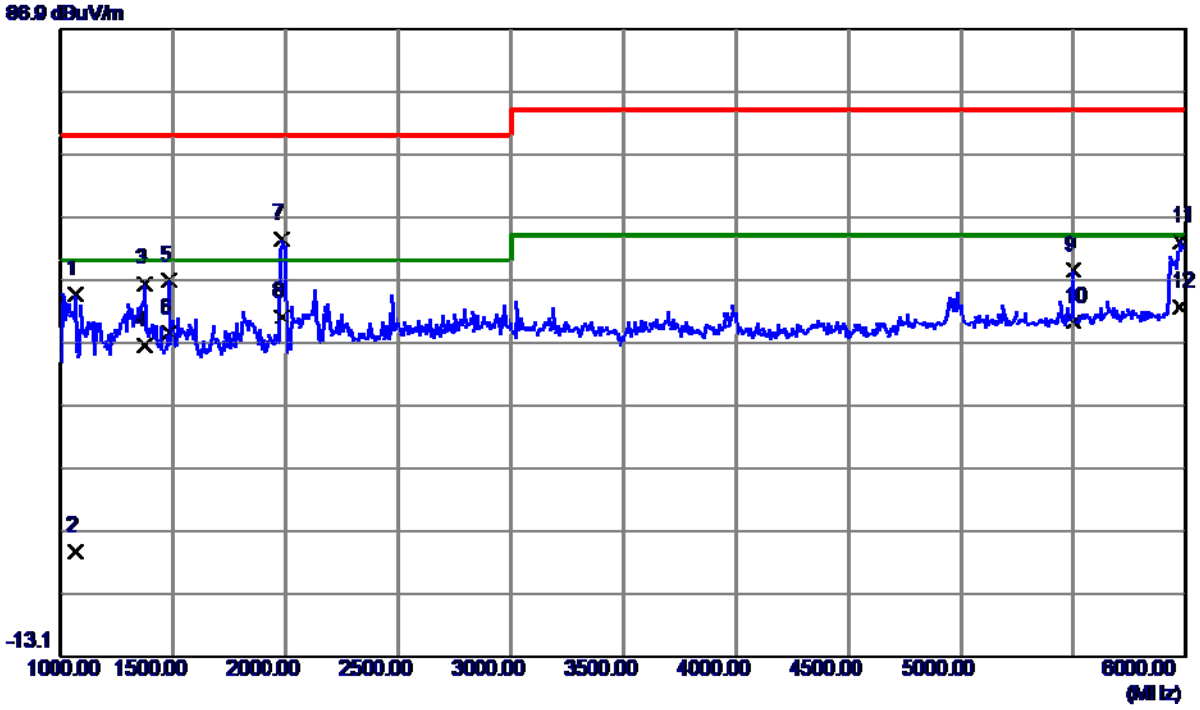
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1015.0000	50.94	-5.17	45.77	70.00	-24.23	Peak
2	1015.0000	41.52	-5.17	36.35	50.00	-13.65	AVG
3	1370.0000	47.60	-3.22	44.38	70.00	-25.62	Peak
4	1370.0000	37.06	-3.22	33.84	50.00	-16.16	AVG
5	1810.0000	48.06	-1.87	46.19	70.00	-23.81	Peak
6	1810.0000	34.76	-1.87	32.89	50.00	-17.11	AVG
7	1982.5000	54.34	-1.53	52.81	70.00	-17.19	Peak
8 *	1982.5000	42.58	-1.53	41.05	50.00	-8.95	AVG
9	2500.0000	45.43	2.13	47.56	70.00	-22.44	Peak
10	2500.0000	33.54	2.13	35.67	50.00	-14.33	AVG
11	5975.0000	42.41	11.06	53.47	74.00	-20.53	Peak
12	5975.0000	31.58	11.06	42.64	54.00	-11.36	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	1.5m		
Test Engineer	Kang Zhang		



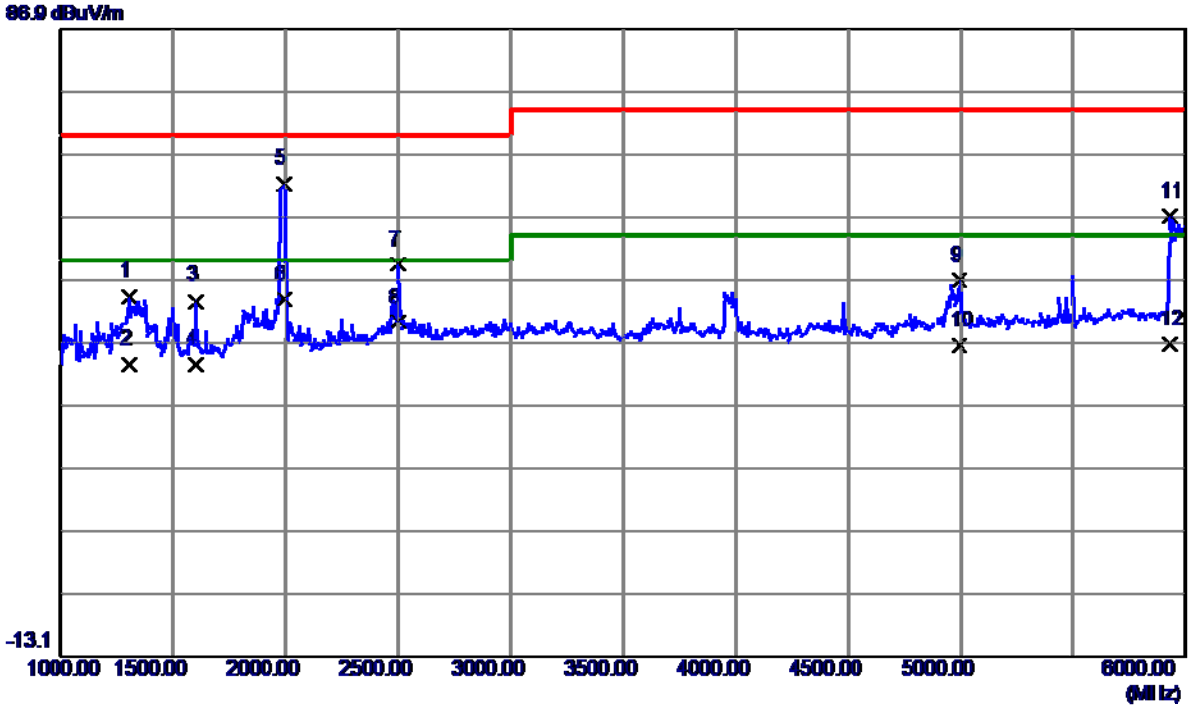
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1302.5000	49.12	-3.59	45.53	70.00	-24.47	Peak
2	1302.5000	39.94	-3.59	36.35	50.00	-13.65	AVG
3	1987.5000	63.77	-1.52	62.25	70.00	-7.75	Peak
4 *	1987.5000	46.53	-1.52	45.01	50.00	-4.99	AVG
5	2470.0000	48.23	1.92	50.15	70.00	-19.85	Peak
6	2470.0000	38.40	1.92	40.32	50.00	-9.68	AVG
7	4950.0000	39.56	8.13	47.69	74.00	-26.31	Peak
8	4950.0000	30.36	8.13	38.49	54.00	-15.51	AVG
9	5445.0000	41.54	9.92	51.46	74.00	-22.54	Peak
10	5445.0000	31.83	9.92	41.75	54.00	-12.25	AVG
11	5925.0000	46.17	10.96	57.13	74.00	-16.87	Peak
12	5925.0000	31.72	10.96	42.68	54.00	-11.32	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	1.5m		
Test Engineer	Kang Zhang		



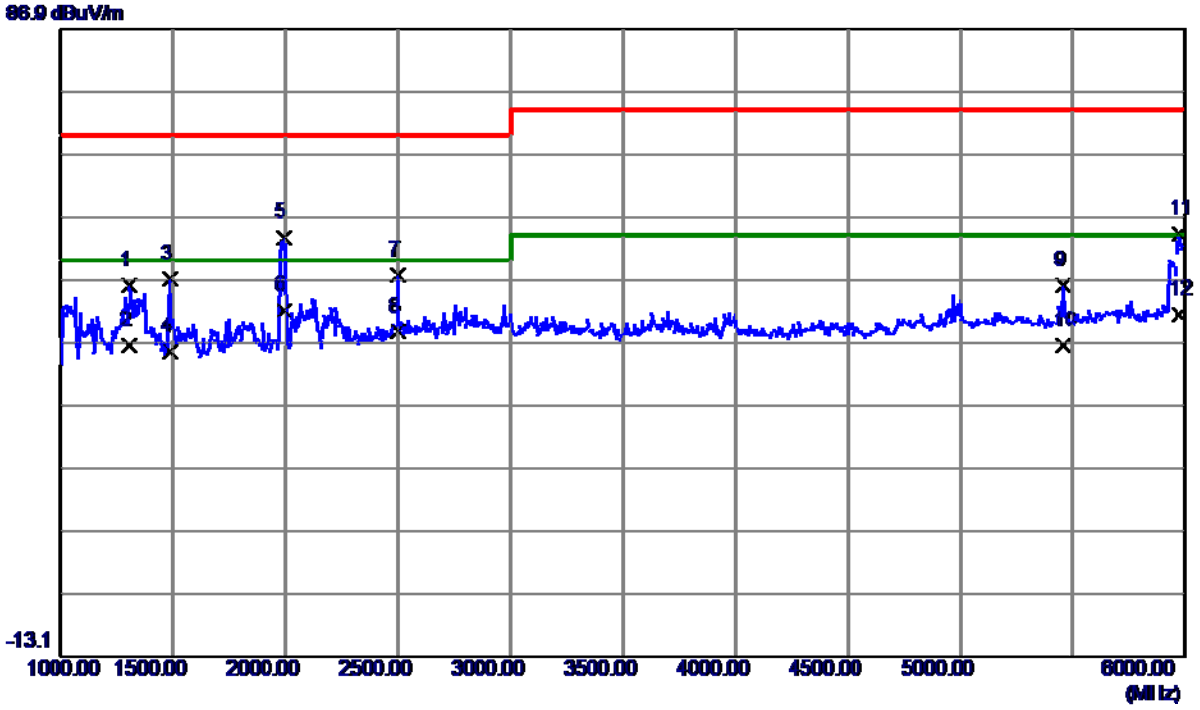
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1065.0000	49.50	-4.89	44.61	70.00	-25.39	Peak
2	1065.0000	8.54	-4.89	3.65	50.00	-46.35	AVG
3	1370.0000	49.62	-3.22	46.40	70.00	-23.60	Peak
4	1370.0000	39.71	-3.22	36.49	50.00	-13.51	AVG
5	1485.0000	49.43	-2.58	46.85	70.00	-23.15	Peak
6	1485.0000	41.15	-2.58	38.57	50.00	-11.43	AVG
7	1985.0000	54.93	-1.52	53.41	70.00	-16.59	Peak
8 *	1985.0000	42.57	-1.52	41.05	50.00	-8.95	AVG
9	5497.5000	38.41	10.11	48.52	74.00	-25.48	Peak
10	5497.5000	30.20	10.11	40.31	54.00	-13.69	AVG
11	5975.0000	42.04	11.06	53.10	74.00	-20.90	Peak
12	5975.0000	31.73	11.06	42.79	54.00	-11.21	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	1.2m		
Test Engineer	Kang Zhang		



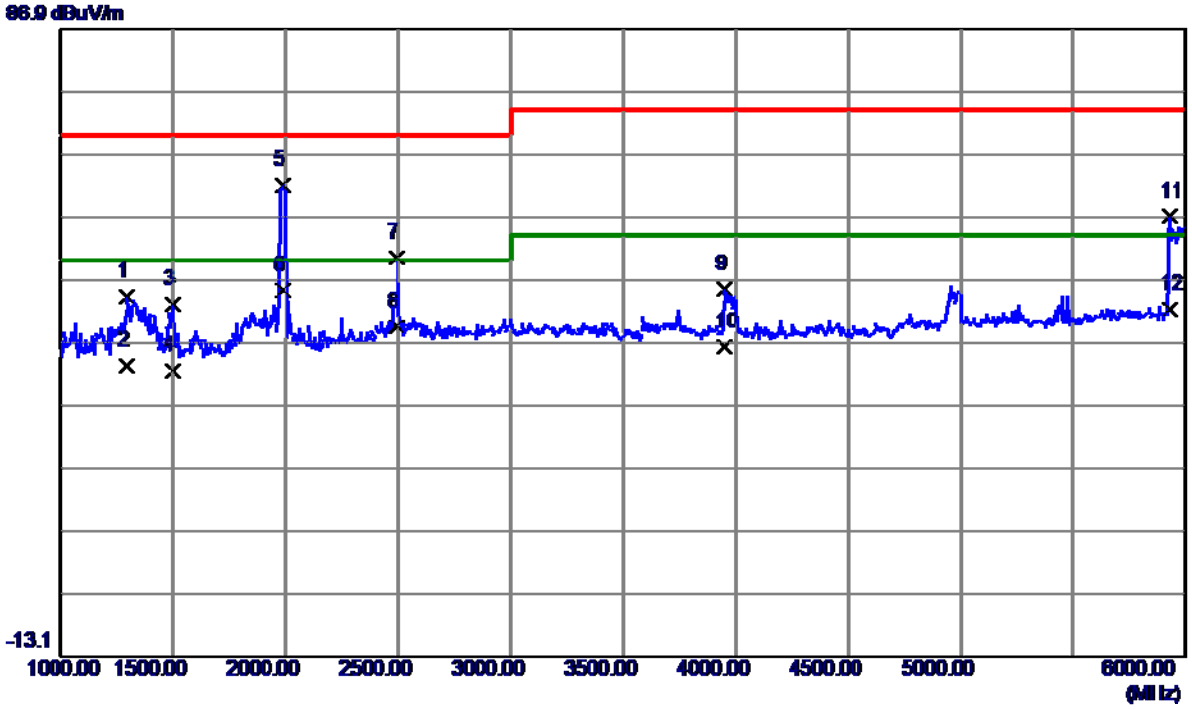
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1305.0000	47.83	-3.57	44.26	70.00	-25.74	Peak
2	1305.0000	37.09	-3.57	33.52	50.00	-16.48	AVG
3	1597.5000	45.90	-2.30	43.60	70.00	-26.40	Peak
4	1597.5000	35.79	-2.30	33.49	50.00	-16.51	AVG
5	1992.5000	63.75	-1.51	62.24	70.00	-7.76	Peak
6 *	1992.5000	45.31	-1.51	43.80	50.00	-6.20	AVG
7	2500.0000	47.27	2.13	49.40	70.00	-20.60	Peak
8	2500.0000	38.07	2.13	40.20	50.00	-9.80	AVG
9	4995.0000	38.72	8.27	46.99	74.00	-27.01	Peak
10	4995.0000	28.22	8.27	36.49	54.00	-17.51	AVG
11	5927.5000	46.13	10.97	57.10	74.00	-16.90	Peak
12	5927.5000	25.78	10.97	36.75	54.00	-17.25	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	1.2m		
Test Engineer	Kang Zhang		



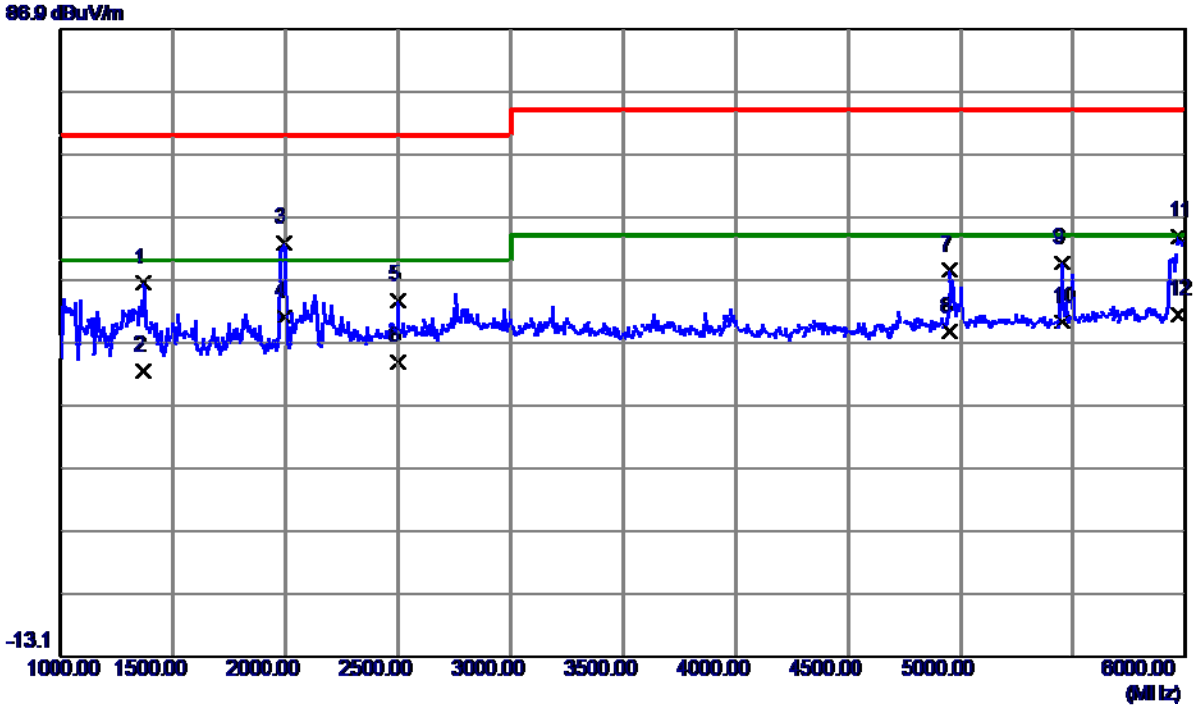
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1305.0000	49.62	-3.57	46.05	70.00	-23.95	Peak
2	1305.0000	40.16	-3.57	36.59	50.00	-13.41	AVG
3	1487.5000	49.67	-2.57	47.10	70.00	-22.90	Peak
4	1487.5000	38.05	-2.57	35.48	50.00	-14.52	AVG
5	1992.5000	55.13	-1.51	53.62	70.00	-16.38	Peak
6 *	1992.5000	43.52	-1.51	42.01	50.00	-7.99	AVG
7	2497.5000	45.51	2.12	47.63	70.00	-22.37	Peak
8	2497.5000	36.63	2.12	38.75	50.00	-11.25	AVG
9	5455.0000	36.10	9.96	46.06	74.00	-27.94	Peak
10	5455.0000	26.53	9.96	36.49	54.00	-17.51	AVG
11	5972.5000	43.33	11.06	54.39	74.00	-19.61	Peak
12	5972.5000	30.52	11.06	41.58	54.00	-12.42	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1080P		
Note	1.8m		
Test Engineer	Kang Zhang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1292.5000	48.00	-3.64	44.36	70.00	-25.64	Peak
2	1292.5000	36.89	-3.64	33.25	50.00	-16.75	AVG
3	1500.0000	45.56	-2.50	43.06	70.00	-26.94	Peak
4	1500.0000	34.99	-2.50	32.49	50.00	-17.51	AVG
5	1990.0000	63.69	-1.51	62.18	70.00	-7.82	Peak
6 *	1990.0000	46.79	-1.51	45.28	50.00	-4.72	AVG
7	2495.0000	48.42	2.10	50.52	70.00	-19.48	Peak
8	2495.0000	37.37	2.10	39.47	50.00	-10.53	AVG
9	3950.0000	39.89	5.64	45.53	74.00	-28.47	Peak
10	3950.0000	30.70	5.64	36.34	54.00	-17.66	AVG
11	5930.0000	46.12	10.97	57.09	74.00	-16.91	Peak
12	5930.0000	31.33	10.97	42.30	54.00	-11.70	AVG

EUT	LCD Monitor	Model Name	**27B1********
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1080P		
Note	1.8m		
Test Engineer	Kang Zhang		

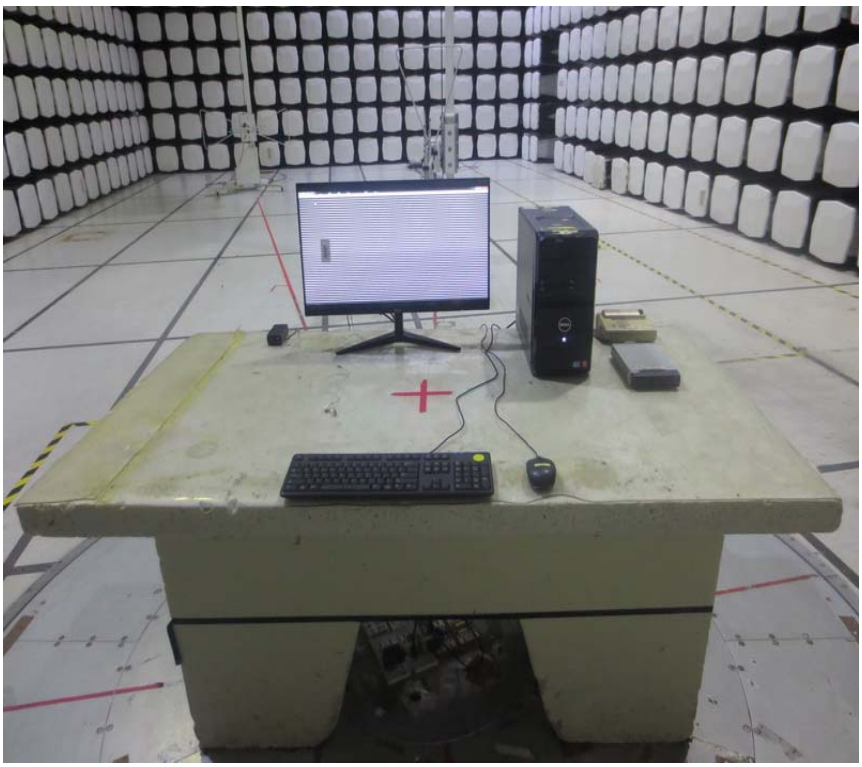


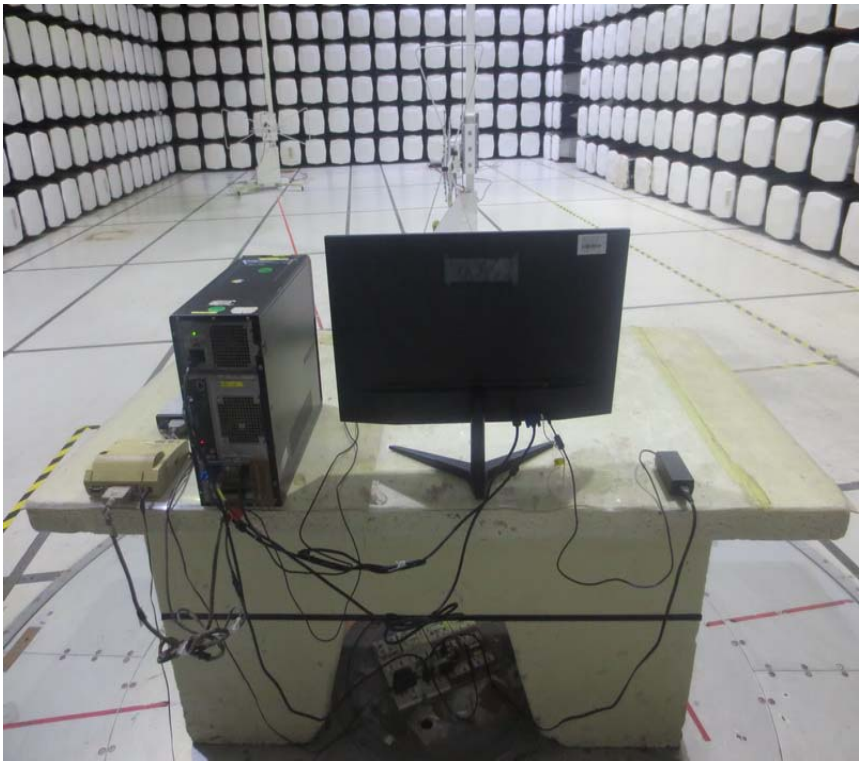
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1367.5000	49.80	-3.23	46.57	70.00	-23.43	Peak
2	1367.5000	35.81	-3.23	32.58	50.00	-17.42	AVG
3	1992.5000	54.49	-1.51	52.98	70.00	-17.02	Peak
4 *	1992.5000	42.56	-1.51	41.05	50.00	-8.95	AVG
5	2497.5000	41.62	2.12	43.74	70.00	-26.26	Peak
6	2497.5000	31.82	2.12	33.94	50.00	-16.06	AVG
7	4952.5000	40.30	8.14	48.44	74.00	-25.56	Peak
8	4952.5000	30.62	8.14	38.76	54.00	-15.24	AVG
9	5447.5000	39.78	9.93	49.71	74.00	-24.29	Peak
10	5447.5000	30.30	9.93	40.23	54.00	-13.77	AVG
11	5967.5000	42.79	11.05	53.84	74.00	-20.16	Peak
12	5967.5000	30.52	11.05	41.57	54.00	-12.43	AVG

5. EUT TEST PHOTO

Conducted Emission

Radiated emission below 1 GHz





Radiated emission above 1 GHz