FCC& ISED EMC Test Report

Project No.	:	1801C141
Equipment	:	LCD Monitor
Test Model	:	24B1
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. 18, 2018
Date of Test	:	Jan. 18, 2018 ~ Jan. 29, 2018
Issued Date	:	Jan. 30, 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-1-1801C141	Original Issue.	Jan. 30, 2018

1. CERIFICATION

Equipment	:	LCD Monitor
Brand Name	:	N/A
Test Model	:	24B1
Series Model	:	N/A
Applicant	:	TPV Electronics (Fujian) Co., Ltd.
Date of Test	:	Jan. 18, 2018 ~ Jan. 29, 2018
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part 15, Subpart B ICES-003 Issue 6: 2016 ANSI C63.4-2014 IEC 61000-4-11

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-1-1801C141) 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)**
IEC 61000-4-11:2004	Voltage dips, short interruptions and voltage variations immunity	B / C / C	PASS	**NOTE (3)**

NOTE:

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

(2) The EUT’s max operating frequency exceeds 108 MHz, so the test will be performed.

(3) Voltage Dips: ＞95% reduction – Performance Criterion B
Voltage Dips: 30% reduction – Performance Criterion C
Voltage Interruptions: ＞95% reduction – Performance Criterion C

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
Test Model	24B1
Series Model	N/A
Model Difference	N/A
Power Source	AC Mains
Power Rating	AC 100-240V~50-60Hz 1.3A
Connecting I/O ports	1* HDMI port 1* D-SUB port 1* Audio port 1* DC port

Cable Type	Shielded Type	Ferrite Core	Length(m)	Note
D-SUB	Shielded	YES	1.8m/1.5m/1.2m	Bonded two Ferrite Cores
HDMI	Shielded	NO	1.8m/1.5m/1.2m	
AC Power Cord	Non-shielded	NO	1.8m/1.5m/1.2m	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 D-SUB+HDMI+Display+Audio 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

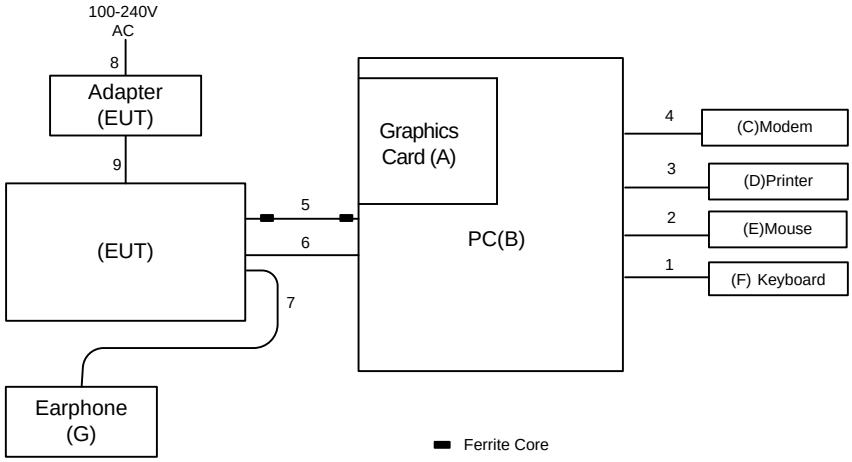
For Radiated Test	
Final Test Mode	Description
Mode 1	D-SUB 1920*1080/60Hz
Mode 4	HDMI 1920*1080/60Hz
Mode 7	HDMI 1080P

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. Send "H" pattern to serial port device (Modem).
2. Read (write) from (to) mass storage device.
3. EUT Connected to earphone via Audio cable.
4. EUT Connected to PC via D-SUB & HDMI cable.

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



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	Graphics Card	LEADTEK	LR2A5F	DOC	ALF7100123952
B	PC	DELL	320	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	Earphone	APPLE	N/A	N/A	N/A

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

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

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

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
2	TWO-LINE V-NETWORK	R&S	ENV216	100526	Mar. 26, 2018
3	EMI Test Receiver	R&S	ESR3	101862	Aug. 15, 2018
4	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Aug. 20, 2018
5	Cable	N/A	RG400 12m	N/A	Mar. 07, 2018
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A 1-01	N/A	N/A

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

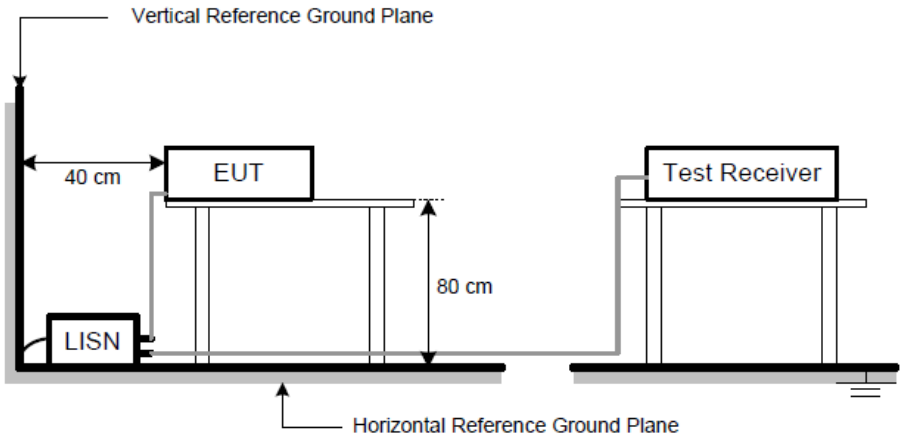
4.1.3 TEST PROCEDURE

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

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP

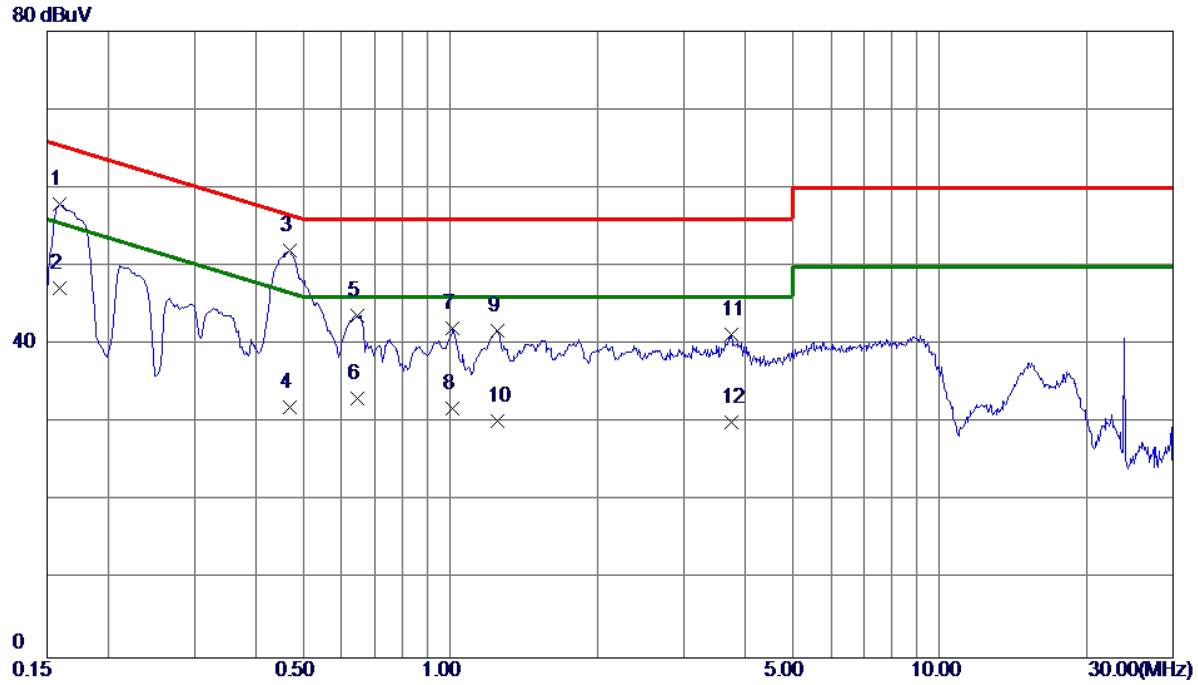


4.1.6 TEST RESULTS

Remark

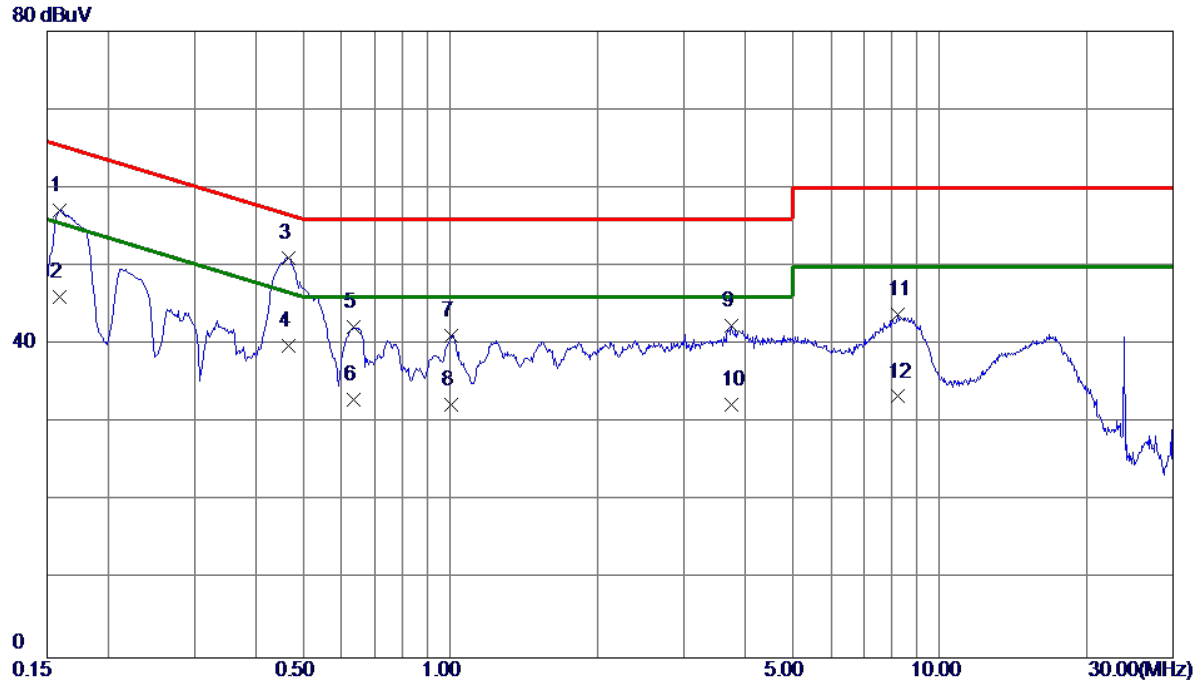
(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 sec./MHz.
(2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn‘t perform。In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured.

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



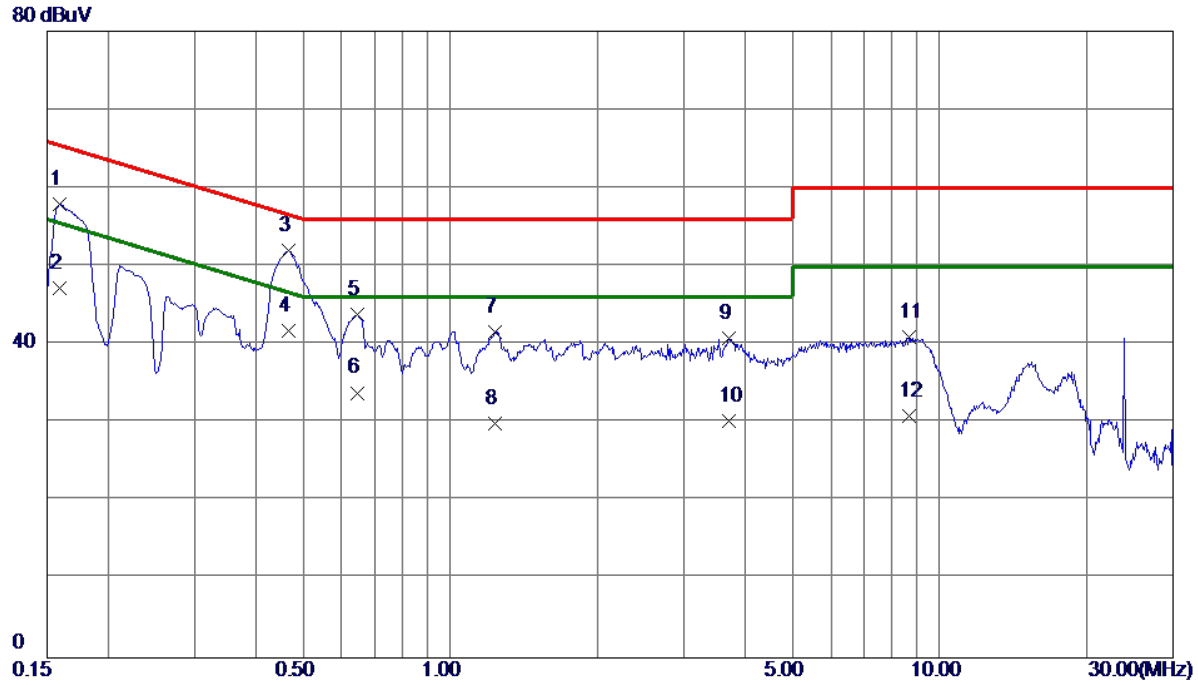
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	48.17	9.68	57.85	65.52	-7.67	QP
2	0.1590	37.59	9.68	47.27	55.52	-8.25	AVG
3 *	0.4694	42.20	9.73	51.93	56.52	-4.59	QP
4	0.4694	22.30	9.73	32.03	46.52	-14.49	AVG
5	0.6472	33.95	9.74	43.69	56.00	-12.31	QP
6	0.6472	23.40	9.74	33.14	46.00	-12.86	AVG
7	1.0117	32.24	9.78	42.02	56.00	-13.98	QP
8	1.0117	22.10	9.78	31.88	46.00	-14.12	AVG
9	1.2480	31.99	9.80	41.79	56.00	-14.21	QP
10	1.2480	20.51	9.80	30.31	46.00	-15.69	AVG
11	3.7455	31.32	9.95	41.27	56.00	-14.73	QP
12	3.7455	20.10	9.95	30.05	46.00	-15.95	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



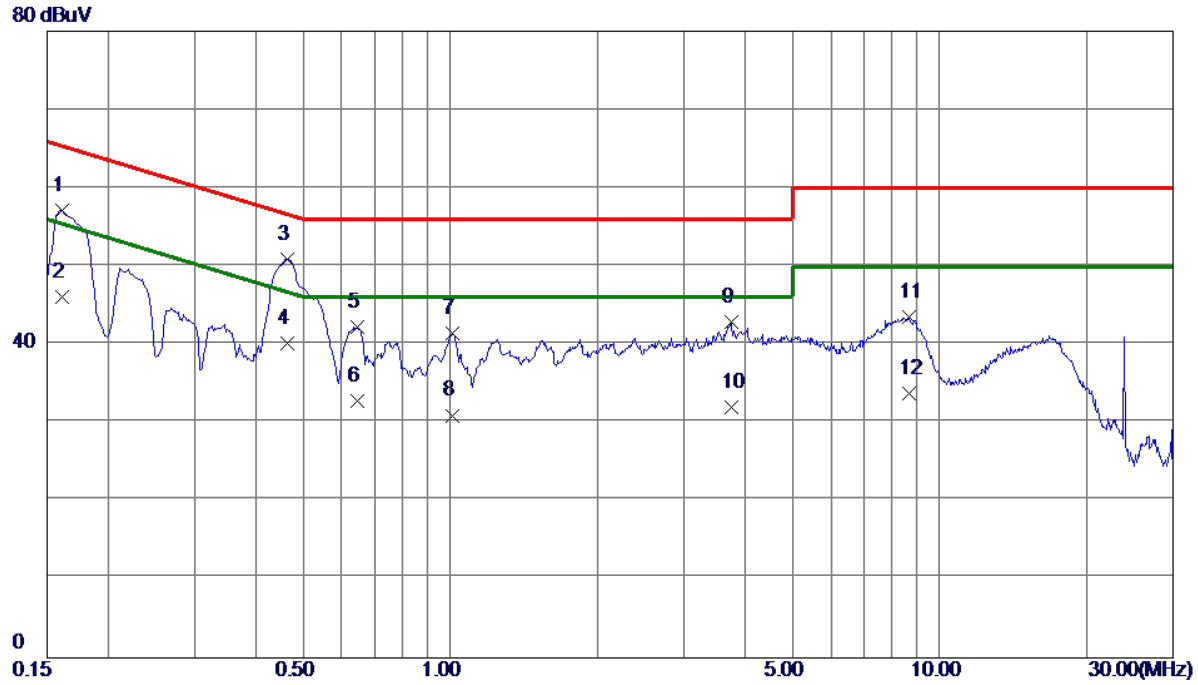
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1590	47.48	9.66	57.14	65.52	-8.38	QP	
2		0.1590	36.40	9.66	46.06	55.52	-9.46	AVG	
3	*	0.4672	41.29	9.72	51.01	56.56	-5.55	QP	
4		0.4672	30.10	9.72	39.82	46.56	-6.74	AVG	
5		0.6337	32.50	9.73	42.23	56.00	-13.77	QP	
6		0.6337	23.20	9.73	32.93	46.00	-13.07	AVG	
7		1.0050	31.39	9.76	41.15	56.00	-14.85	QP	
8		1.0050	22.60	9.76	32.36	46.00	-13.64	AVG	
9		3.7612	32.46	9.95	42.41	56.00	-13.59	QP	
10		3.7612	22.30	9.95	32.25	46.00	-13.75	AVG	
11		8.2252	33.51	10.26	43.77	60.00	-16.23	QP	
12		8.2252	23.10	10.26	33.36	50.00	-16.64	AVG	

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



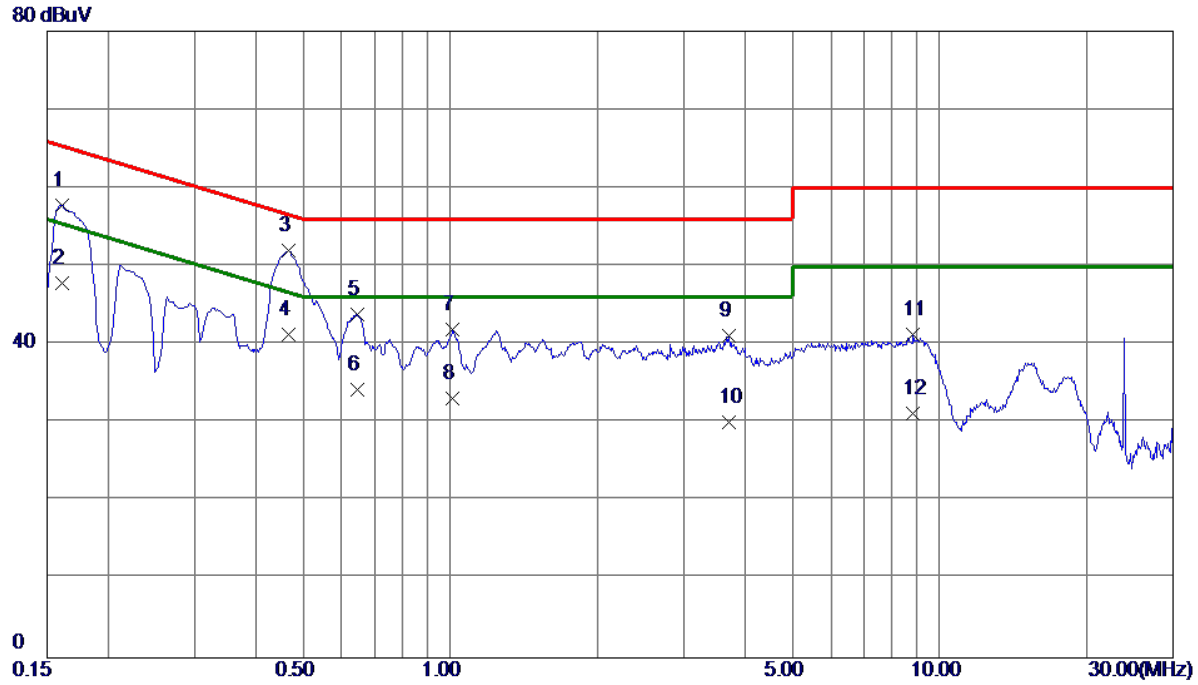
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	48.19	9.68	57.87	65.52	-7.65	QP
2	0.1590	37.59	9.68	47.27	55.52	-8.25	AVG
3 *	0.4672	42.29	9.73	52.02	56.56	-4.54	QP
4	0.4672	32.10	9.73	41.83	46.56	-4.73	AVG
5	0.6472	34.14	9.74	43.88	56.00	-12.12	QP
6	0.6472	24.10	9.74	33.84	46.00	-12.16	AVG
7	1.2367	31.80	9.80	41.60	56.00	-14.40	QP
8	1.2367	20.11	9.80	29.91	46.00	-16.09	AVG
9	3.7117	30.84	9.95	40.79	56.00	-15.21	QP
10	3.7117	20.30	9.95	30.25	46.00	-15.75	AVG
11	8.6797	30.67	10.25	40.92	60.00	-19.08	QP
12	8.6797	20.60	10.25	30.85	50.00	-19.15	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



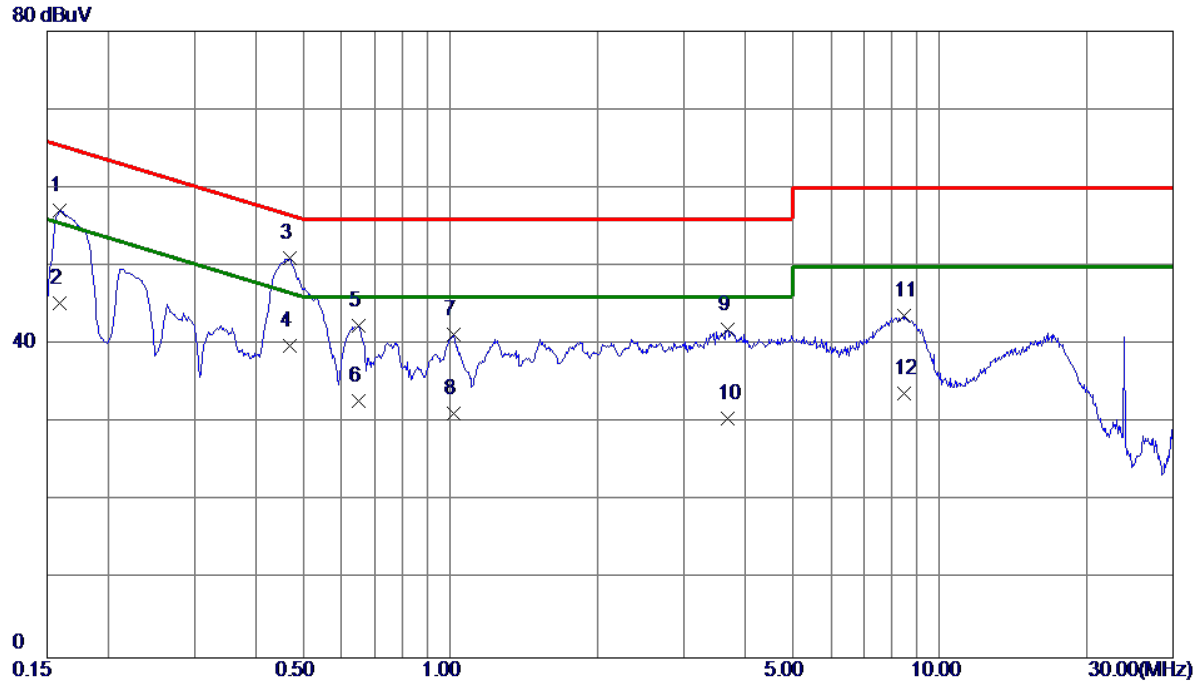
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1612	47.46	9.66	57.12	65.40	-8.28	QP
2	0.1612	36.39	9.66	46.05	55.40	-9.35	AVG
3 *	0.4650	41.23	9.71	50.94	56.60	-5.66	QP
4	0.4650	30.51	9.71	40.22	46.60	-6.38	AVG
5	0.6450	32.47	9.73	42.20	56.00	-13.80	QP
6	0.6450	23.10	9.73	32.83	46.00	-13.17	AVG
7	1.0094	31.68	9.76	41.44	56.00	-14.56	QP
8	1.0094	21.20	9.76	30.96	46.00	-15.04	AVG
9	3.7500	32.94	9.95	42.89	56.00	-13.11	QP
10	3.7500	22.10	9.95	32.05	46.00	-13.95	AVG
11	8.6550	33.23	10.28	43.51	60.00	-16.49	QP
12	8.6550	23.50	10.28	33.78	50.00	-16.22	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1612	48.11	9.68	57.79	65.40	-7.61	QP
2	0.1612	38.10	9.68	47.78	55.40	-7.62	AVG
3 *	0.4672	42.20	9.73	51.93	56.56	-4.63	QP
4	0.4672	31.50	9.73	41.23	46.56	-5.33	AVG
5	0.6472	34.17	9.74	43.91	56.00	-12.09	QP
6	0.6472	24.50	9.74	34.24	46.00	-11.76	AVG
7	1.0117	32.07	9.78	41.85	56.00	-14.15	QP
8	1.0117	23.40	9.78	33.18	46.00	-12.82	AVG
9	3.7072	31.23	9.95	41.18	56.00	-14.82	QP
10	3.7072	20.10	9.95	30.05	46.00	-15.95	AVG
11	8.8350	31.06	10.26	41.32	60.00	-18.68	QP
12	8.8350	20.90	10.26	31.16	50.00	-18.84	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	47.42	9.66	57.08	65.52	-8.44	QP
2	0.1590	35.60	9.66	45.26	55.52	-10.26	AVG
3 *	0.4694	41.35	9.71	51.06	56.52	-5.46	QP
4	0.4694	30.11	9.71	39.82	46.52	-6.70	AVG
5	0.6493	32.69	9.73	42.42	56.00	-13.58	QP
6	0.6493	23.10	9.73	32.83	46.00	-13.17	AVG
7	1.0140	31.45	9.76	41.21	56.00	-14.79	QP
8	1.0140	21.50	9.76	31.26	46.00	-14.74	AVG
9	3.6960	31.95	9.95	41.90	56.00	-14.10	QP
10	3.6960	20.60	9.95	30.55	46.00	-15.45	AVG
11	8.4727	33.34	10.27	43.61	60.00	-16.39	QP
12	8.4727	23.50	10.27	33.77	50.00	-16.23	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
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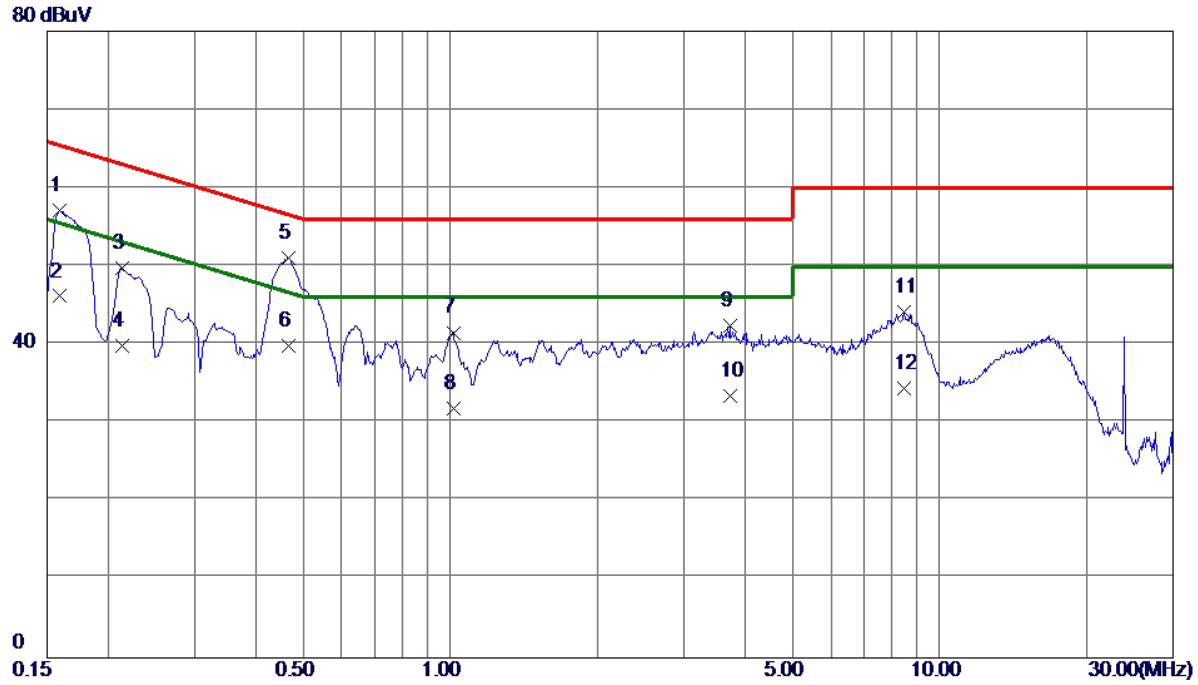
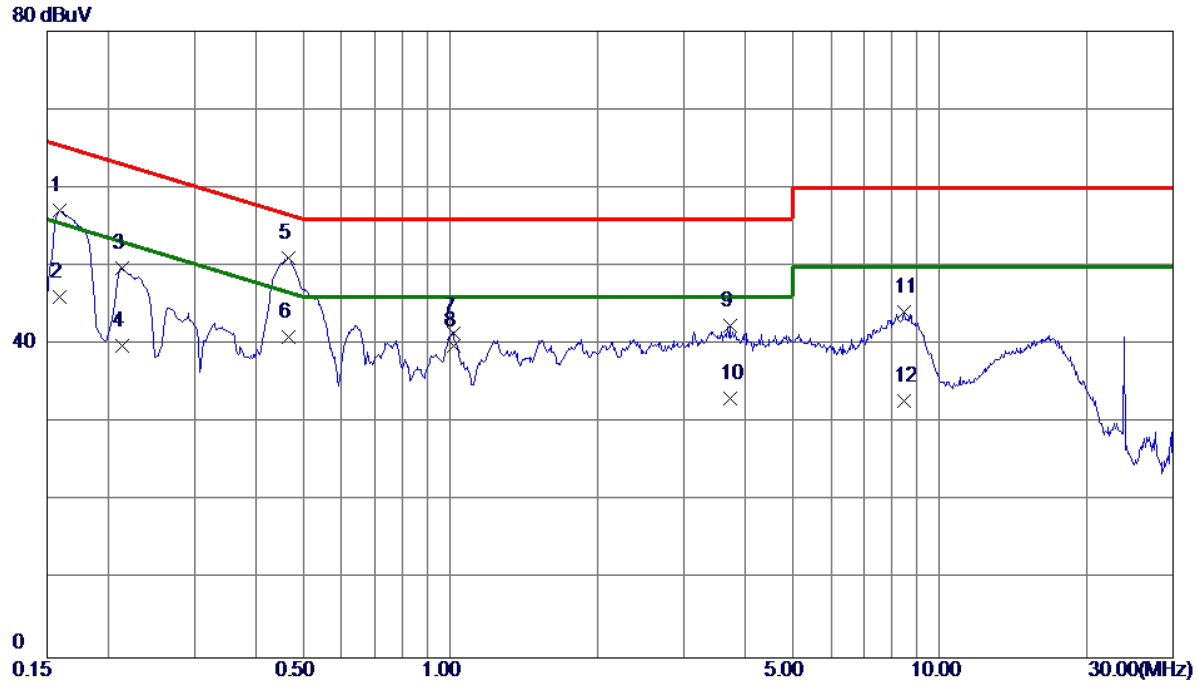
Test Engineer	Jason Yang		



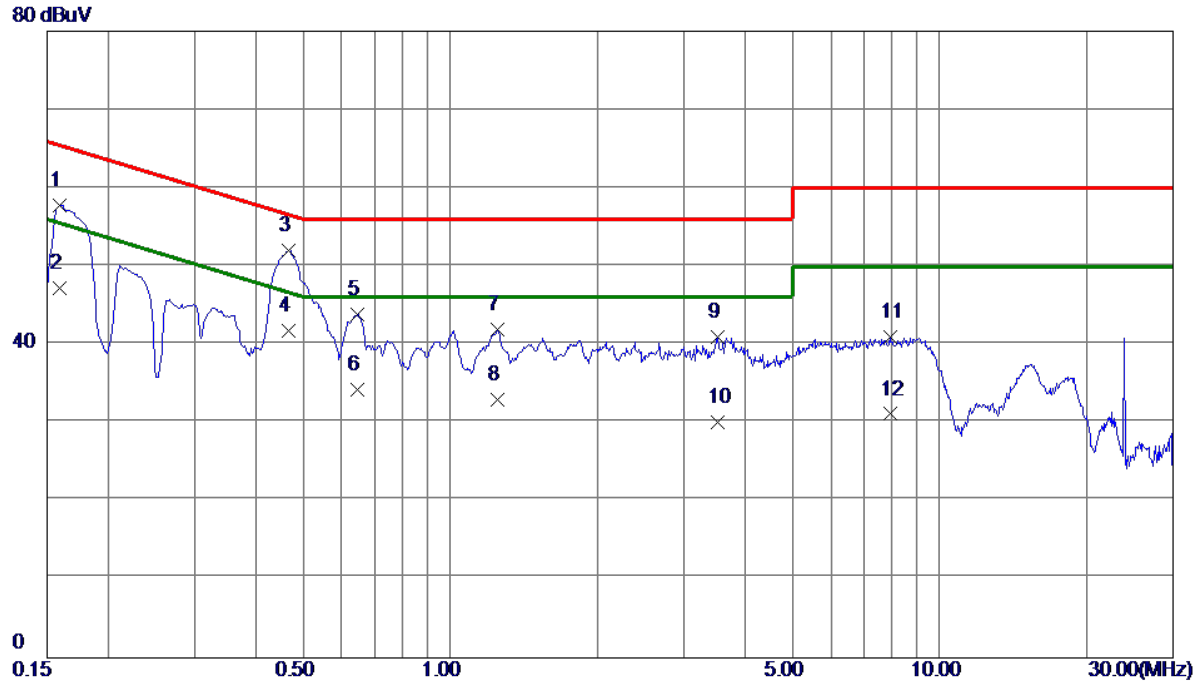
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	47.39	9.66	57.05	65.52	-8.47	QP
2	0.1590	36.50	9.66	46.16	55.52	-9.36	AVG
3	0.2130	40.01	9.69	49.70	63.09	-13.39	QP
4	0.2130	30.09	9.69	39.78	53.09	-13.31	AVG
5 *	0.4672	41.30	9.71	51.01	56.56	-5.55	QP
6	0.4672	30.21	9.71	39.92	46.56	-6.64	AVG
7	1.0140	31.76	9.76	41.52	56.00	-14.48	QP
8	1.0140	22.10	9.76	31.86	46.00	-14.14	AVG
9	3.7275	32.46	9.95	42.41	56.00	-13.59	QP
10	3.7275	23.50	9.95	33.45	46.00	-12.55	AVG
11	8.4614	33.82	10.27	44.09	60.00	-15.91	QP
12	8.4614	24.10	10.27	34.37	50.00	-15.63	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



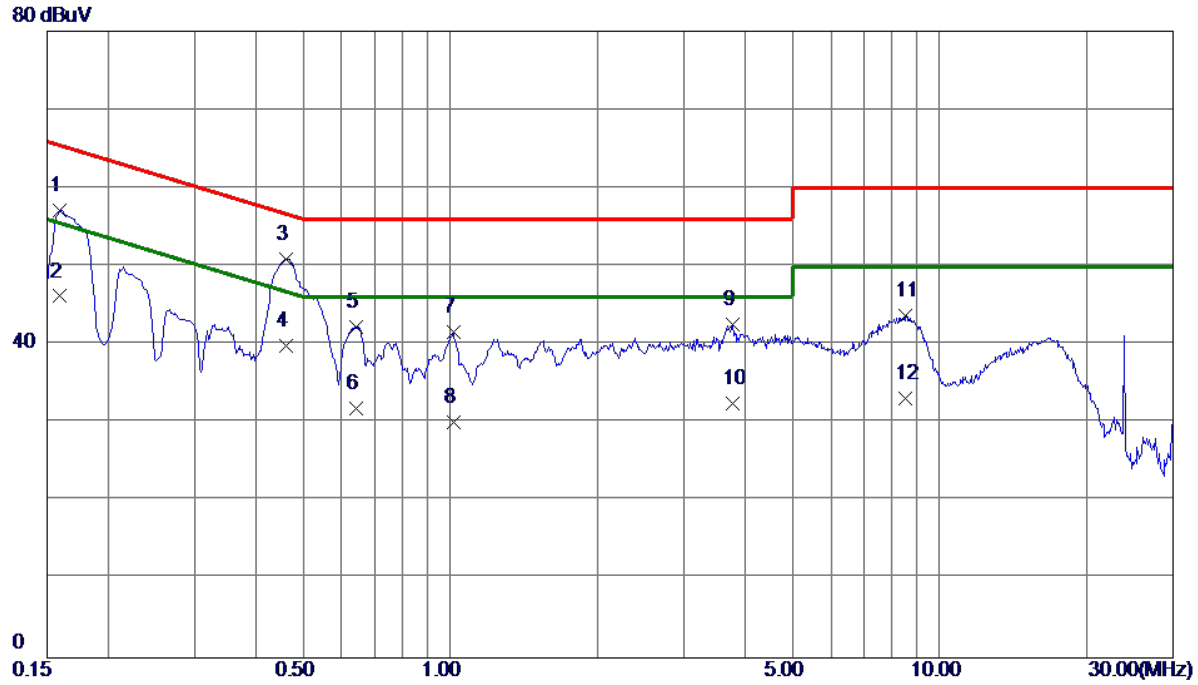
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	47.39	9.66	57.05	65.52	-8.47	QP
2	0.1590	36.40	9.66	46.06	55.52	-9.46	AVG
3	0.2130	40.01	9.69	49.70	63.09	-13.39	QP
4	0.2130	30.19	9.69	39.88	53.09	-13.21	AVG
5 *	0.4672	41.30	9.71	51.01	56.56	-5.55	QP
6	0.4672	31.21	9.71	40.92	46.56	-5.64	AVG
7	1.0140	31.76	9.76	41.52	56.00	-14.48	QP
8	1.0140	30.10	9.76	39.86	46.00	-6.14	AVG
9	3.7275	32.46	9.95	42.41	56.00	-13.59	QP
10	3.7275	23.10	9.95	33.05	46.00	-12.95	AVG
11	8.4614	33.82	10.27	44.09	60.00	-15.91	QP
12	8.4614	22.60	10.27	32.87	50.00	-17.13	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



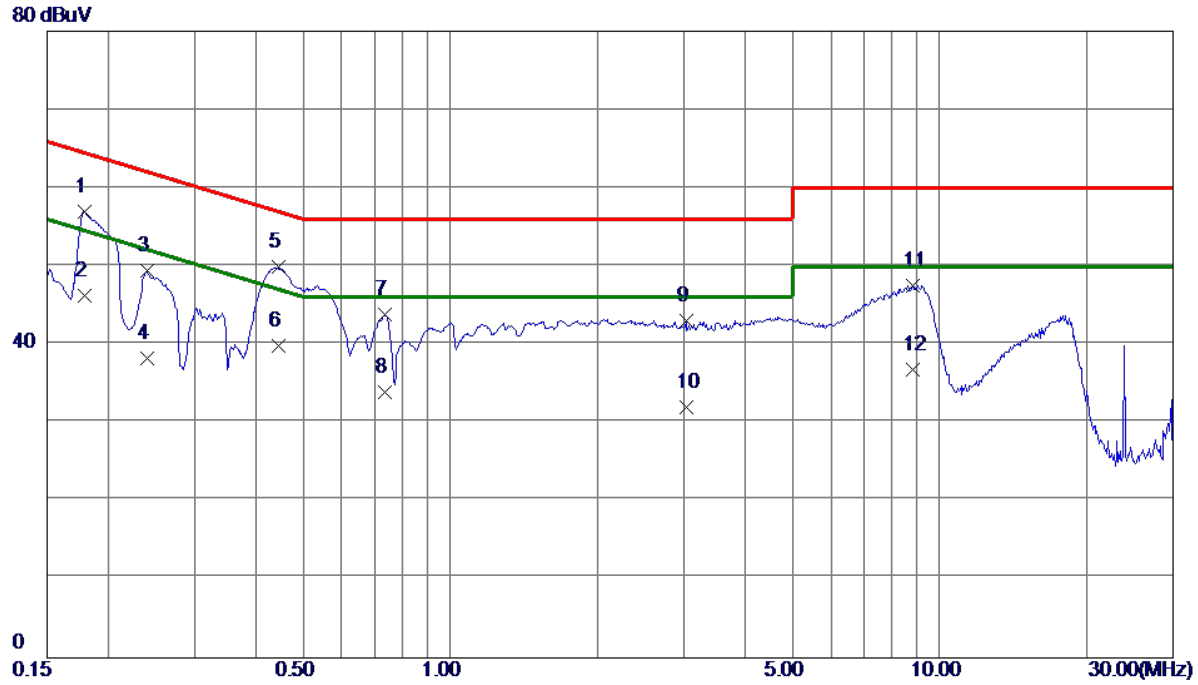
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	48.14	9.68	57.82	65.52	-7.70	QP
2	0.1590	37.59	9.68	47.27	55.52	-8.25	AVG
3 *	0.4672	42.23	9.73	51.96	56.56	-4.60	QP
4	0.4672	32.10	9.73	41.83	46.56	-4.73	AVG
5	0.6450	34.11	9.74	43.85	56.00	-12.15	QP
6	0.6450	24.50	9.74	34.24	46.00	-11.76	AVG
7	1.2480	32.08	9.80	41.88	56.00	-14.12	QP
8	1.2480	23.11	9.80	32.91	46.00	-13.09	AVG
9	3.5115	31.06	9.94	41.00	56.00	-15.00	QP
10	3.5115	20.10	9.94	30.04	46.00	-15.96	AVG
11	7.9147	30.79	10.21	41.00	60.00	-19.00	QP
12	7.9147	20.91	10.21	31.12	50.00	-18.88	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



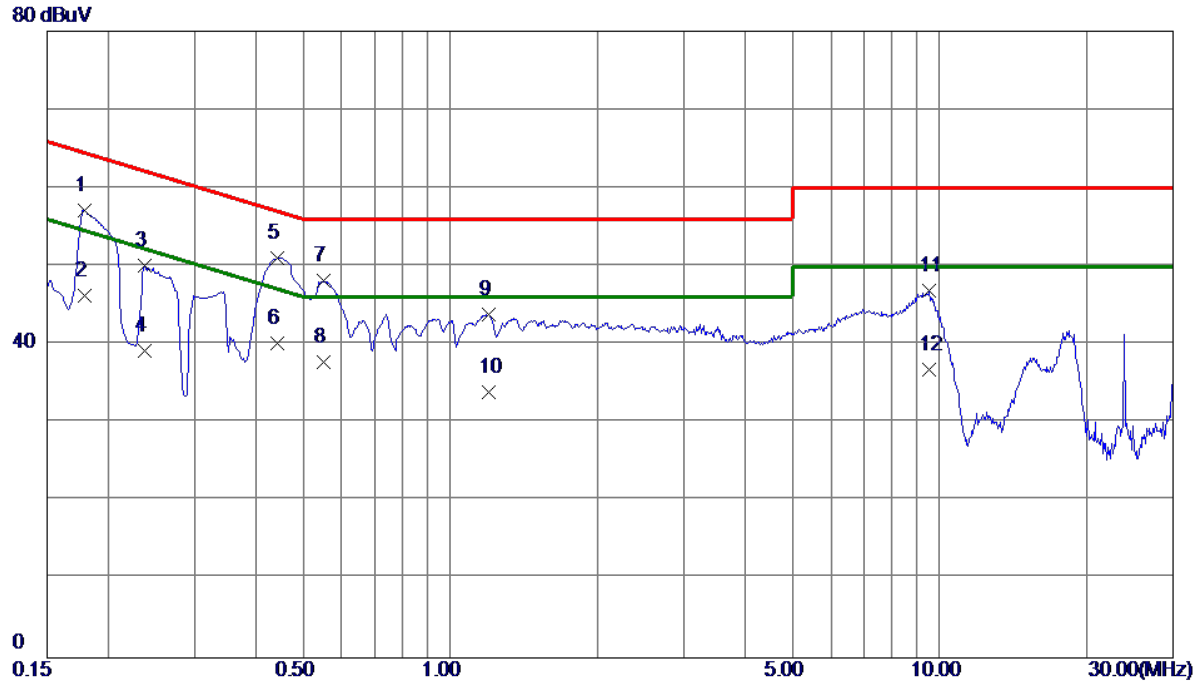
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1590	47.43	9.66	57.09	65.52	-8.43	QP
2	0.1590	36.50	9.66	46.16	55.52	-9.36	AVG
3 *	0.4627	41.23	9.71	50.94	56.64	-5.70	QP
4	0.4627	30.11	9.71	39.82	46.64	-6.82	AVG
5	0.6404	32.57	9.73	42.30	56.00	-13.70	QP
6	0.6404	22.10	9.73	31.83	46.00	-14.17	AVG
7	1.0140	31.88	9.76	41.64	56.00	-14.36	QP
8	1.0140	20.30	9.76	30.06	46.00	-15.94	AVG
9	3.7747	32.59	9.96	42.55	56.00	-13.45	QP
10	3.7747	22.59	9.96	32.55	46.00	-13.45	AVG
11	8.5065	33.39	10.27	43.66	60.00	-16.34	QP
12	8.5065	22.80	10.27	33.07	50.00	-16.93	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



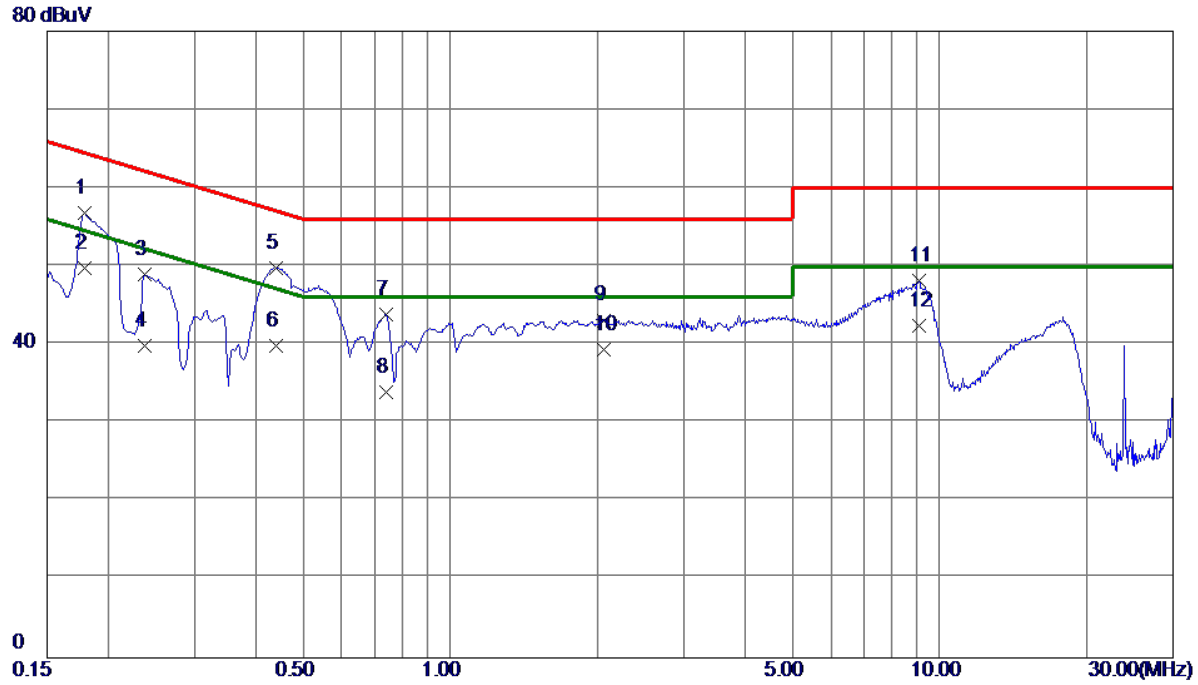
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	47.25	9.69	56.94	64.52	-7.58	QP
2	0.1792	36.50	9.69	46.19	54.52	-8.33	AVG
3	0.2400	39.74	9.69	49.43	62.10	-12.67	QP
4	0.2400	28.49	9.69	38.18	52.10	-13.92	AVG
5 *	0.4447	40.16	9.72	49.88	56.97	-7.09	QP
6	0.4447	30.10	9.72	39.82	46.97	-7.15	AVG
7	0.7350	34.04	9.75	43.79	56.00	-12.21	QP
8	0.7350	24.10	9.75	33.85	46.00	-12.15	AVG
9	3.0322	33.14	9.91	43.05	56.00	-12.95	QP
10	3.0322	22.10	9.91	32.01	46.00	-13.99	AVG
11	8.8102	37.26	10.26	47.52	60.00	-12.48	QP
12	8.8102	26.50	10.26	36.76	50.00	-13.24	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



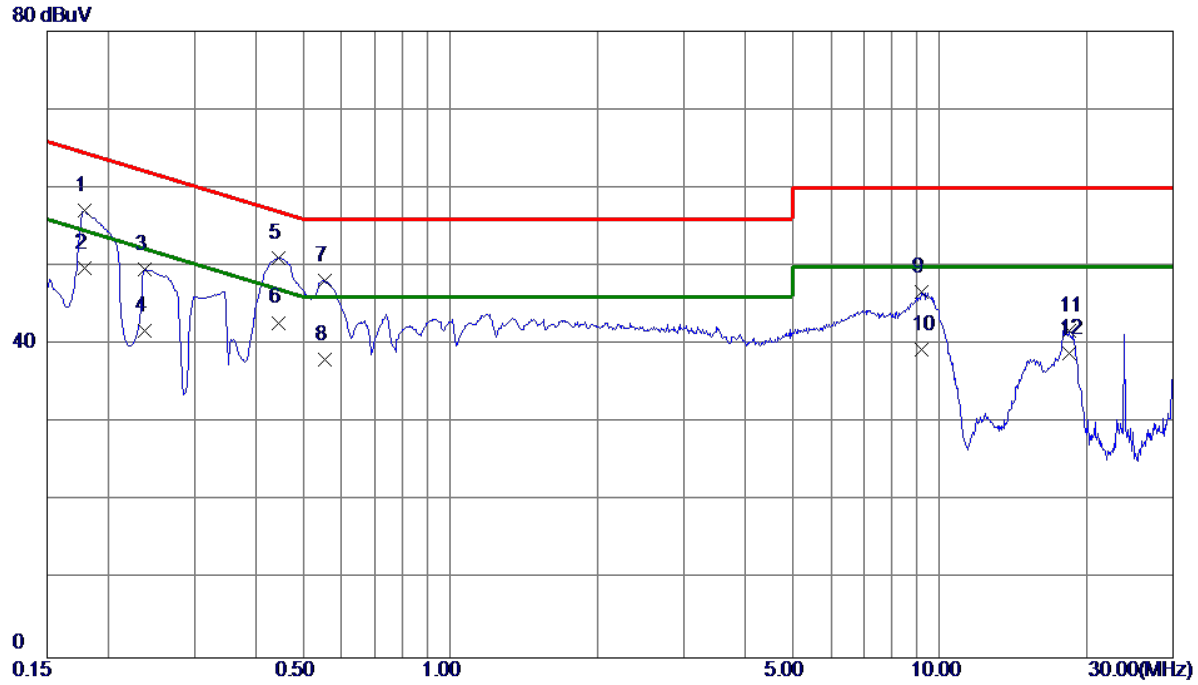
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	47.40	9.67	57.07	64.52	-7.45	QP
2	0.1792	36.50	9.67	46.17	54.52	-8.35	AVG
3	0.2377	40.34	9.68	50.02	62.18	-12.16	QP
4	0.2377	29.49	9.68	39.17	52.18	-13.01	AVG
5 *	0.4424	41.32	9.71	51.03	57.02	-5.99	QP
6	0.4424	30.49	9.71	40.20	47.02	-6.82	AVG
7	0.5503	38.41	9.72	48.13	56.00	-7.87	QP
8	0.5503	28.11	9.72	37.83	46.00	-8.17	AVG
9	1.2007	34.01	9.79	43.80	56.00	-12.20	QP
10	1.2007	24.10	9.79	33.89	46.00	-12.11	AVG
11	9.5077	36.51	10.32	46.83	60.00	-13.17	QP
12	9.5077	26.50	10.32	36.82	50.00	-13.18	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



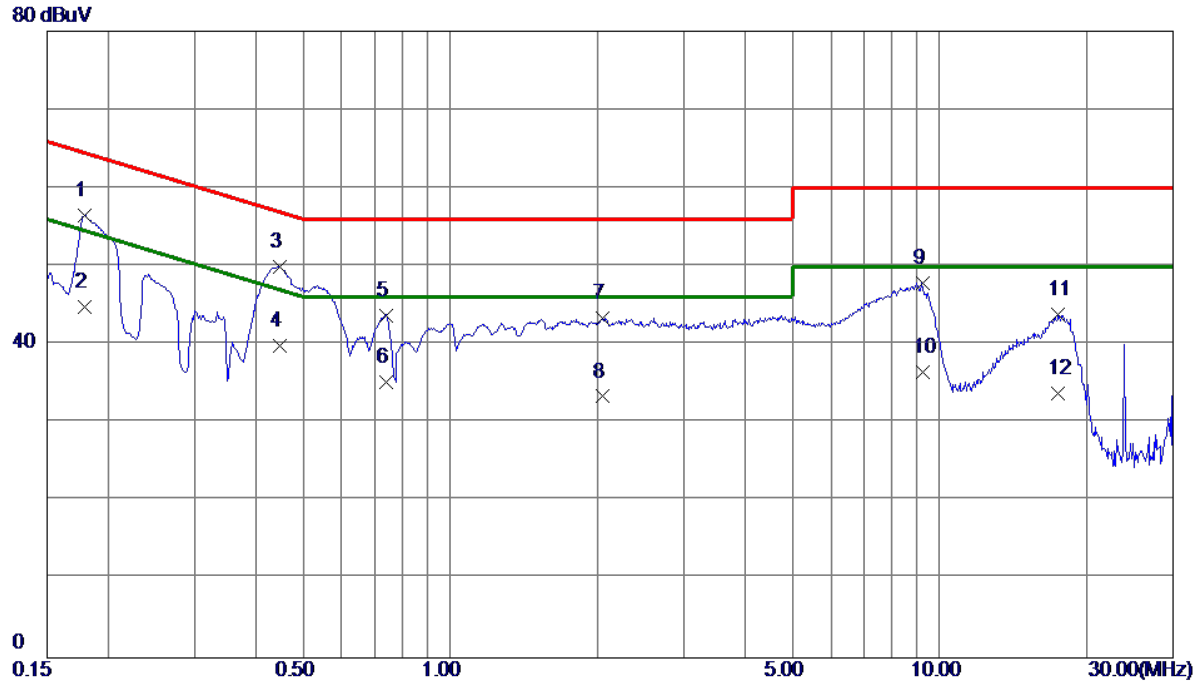
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	47.04	9.69	56.73	64.52	-7.79	QP
2 *	0.1792	40.10	9.69	49.79	54.52	-4.73	AVG
3	0.2377	39.19	9.69	48.88	62.18	-13.30	QP
4	0.2377	30.09	9.69	39.78	52.18	-12.40	AVG
5	0.4402	40.08	9.72	49.80	57.06	-7.26	QP
6	0.4402	30.10	9.72	39.82	47.06	-7.24	AVG
7	0.7417	34.14	9.75	43.89	56.00	-12.11	QP
8	0.7417	24.10	9.75	33.85	46.00	-12.15	AVG
9	2.0602	33.26	9.86	43.12	56.00	-12.88	QP
10	2.0602	29.50	9.86	39.36	46.00	-6.64	AVG
11	9.0825	37.90	10.27	48.17	60.00	-11.83	QP
12	9.0825	32.10	10.27	42.37	50.00	-7.63	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



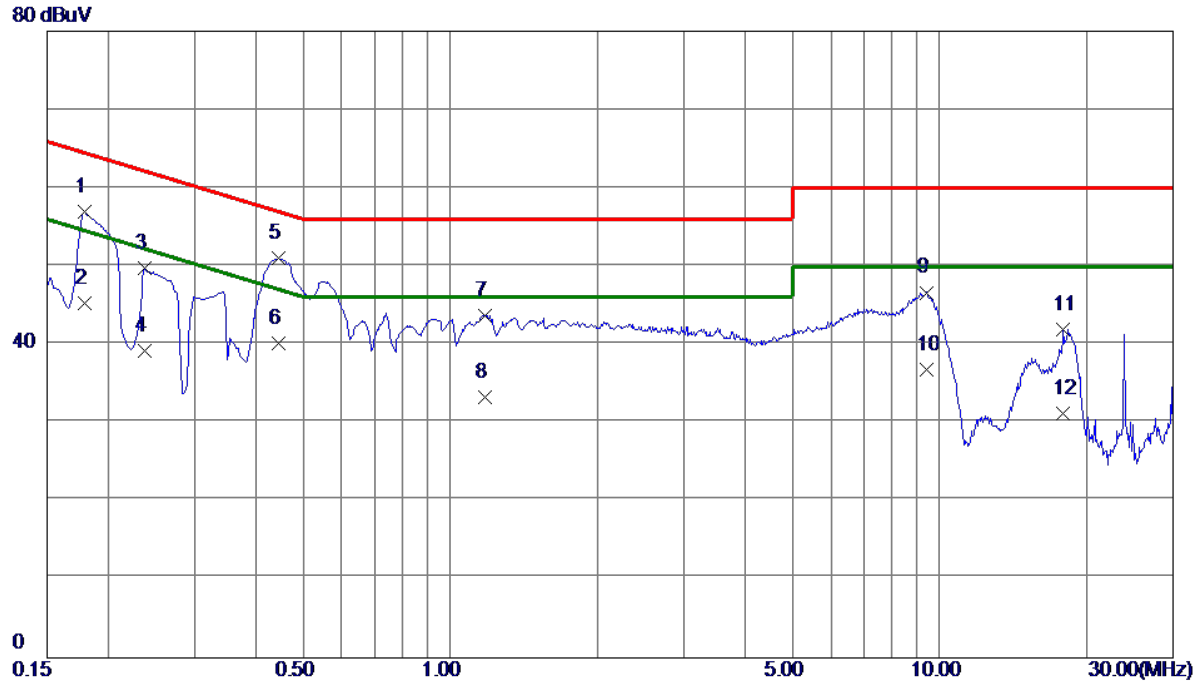
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	47.38	9.67	57.05	64.52	-7.47	QP
2	0.1792	40.10	9.67	49.77	54.52	-4.75	AVG
3	0.2377	39.93	9.68	49.61	62.18	-12.57	QP
4	0.2377	32.09	9.68	41.77	52.18	-10.41	AVG
5	0.4447	41.32	9.71	51.03	56.97	-5.94	QP
6 *	0.4447	33.09	9.71	42.80	46.97	-4.17	AVG
7	0.5527	38.40	9.73	48.13	56.00	-7.87	QP
8	0.5527	28.40	9.73	38.13	46.00	-7.87	AVG
9	9.1905	36.46	10.30	46.76	60.00	-13.24	QP
10	9.1905	29.10	10.30	39.40	50.00	-10.60	AVG
11	18.3660	31.06	10.73	41.79	60.00	-18.21	QP
12	18.3660	28.11	10.73	38.84	50.00	-11.16	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



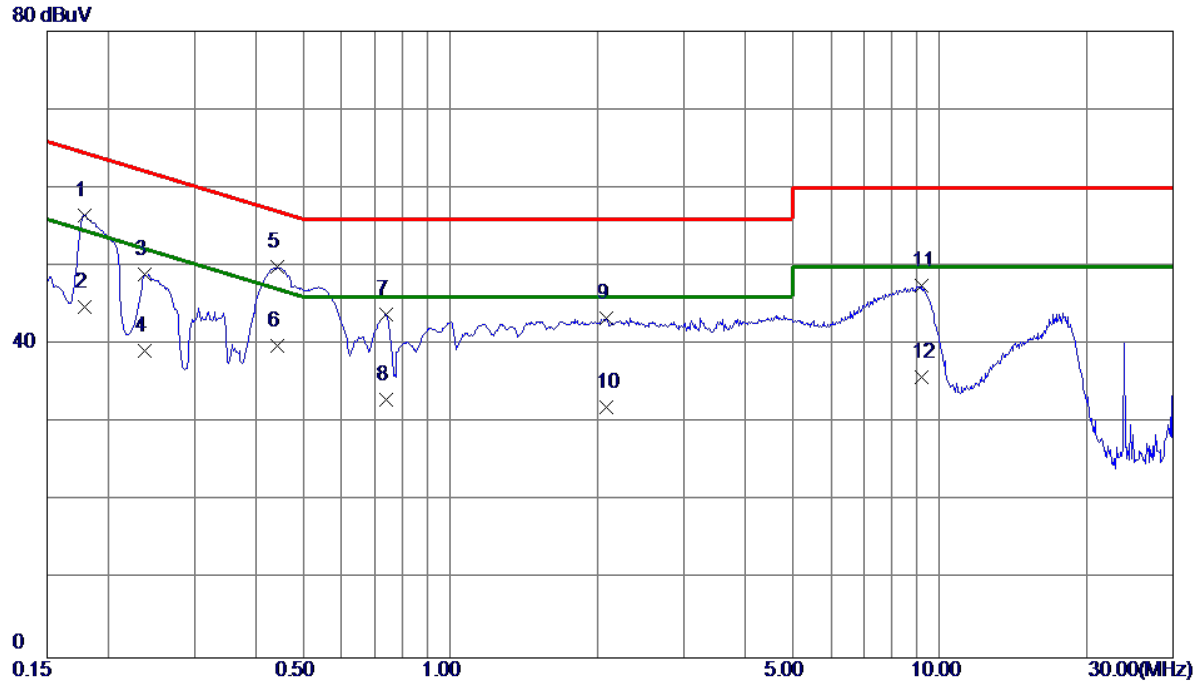
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	46.84	9.69	56.53	64.52	-7.99	QP
2	0.1792	35.10	9.69	44.79	54.52	-9.73	AVG
3 *	0.4492	40.23	9.72	49.95	56.89	-6.94	QP
4	0.4492	30.20	9.72	39.92	46.89	-6.97	AVG
5	0.7417	34.01	9.75	43.76	56.00	-12.24	QP
6	0.7417	25.50	9.75	35.25	46.00	-10.75	AVG
7	2.0490	33.45	9.86	43.31	56.00	-12.69	QP
8	2.0490	23.50	9.86	33.36	46.00	-12.64	AVG
9	9.2152	37.57	10.27	47.84	60.00	-12.16	QP
10	9.2152	26.25	10.27	36.52	50.00	-13.48	AVG
11	17.4952	33.24	10.56	43.80	60.00	-16.20	QP
12	17.4952	23.20	10.56	33.76	50.00	-16.24	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



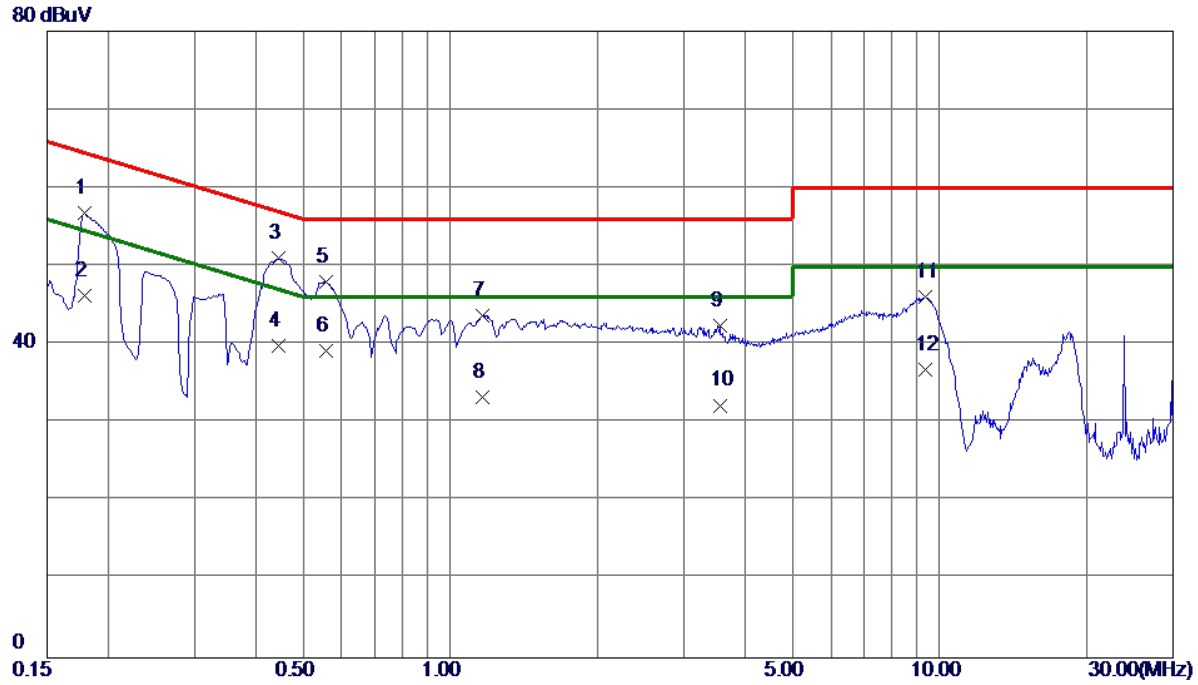
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	47.23	9.67	56.90	64.52	-7.62	QP
2	0.1792	35.60	9.67	45.27	54.52	-9.25	AVG
3	0.2377	40.07	9.68	49.75	62.18	-12.43	QP
4	0.2377	29.59	9.68	39.27	52.18	-12.91	AVG
5 *	0.4470	41.31	9.71	51.02	56.93	-5.91	QP
6	0.4470	30.39	9.71	40.10	46.93	-6.83	AVG
7	1.1782	33.95	9.79	43.74	56.00	-12.26	QP
8	1.1782	23.50	9.79	33.29	46.00	-12.71	AVG
9	9.3907	36.33	10.31	46.64	60.00	-13.36	QP
10	9.3907	26.50	10.31	36.81	50.00	-13.19	AVG
11	17.8507	31.19	10.71	41.90	60.00	-18.10	QP
12	17.8507	20.50	10.71	31.21	50.00	-18.79	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



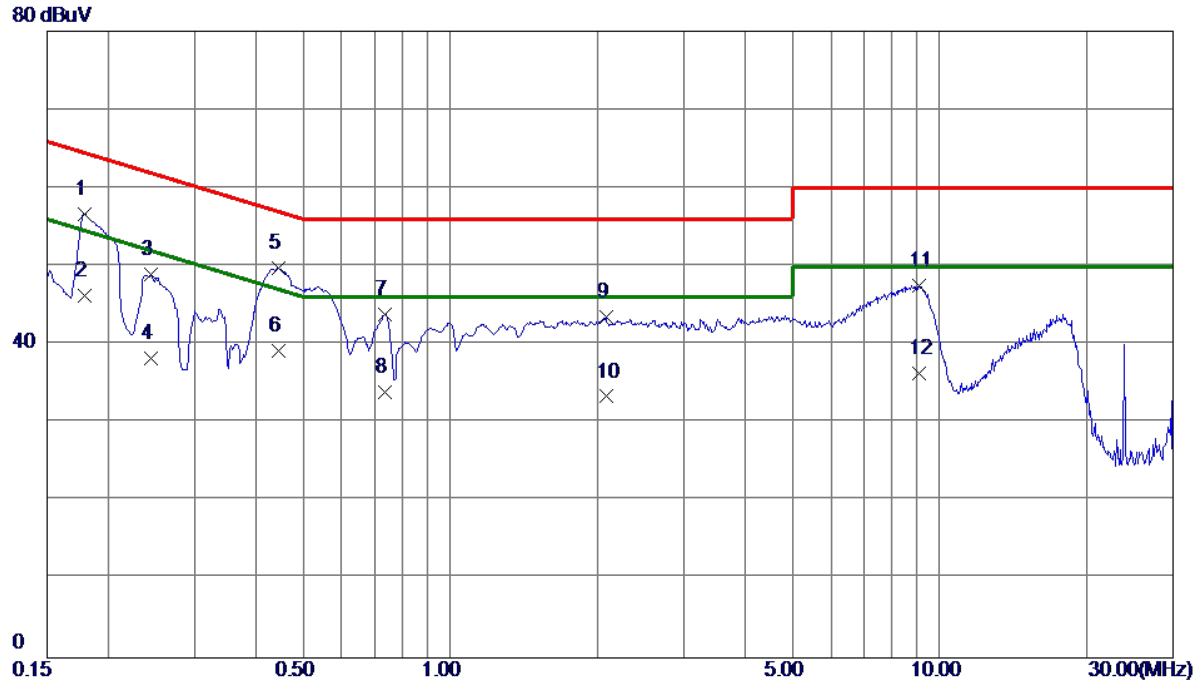
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	46.84	9.69	56.53	64.52	-7.99	QP
2	0.1792	35.10	9.69	44.79	54.52	-9.73	AVG
3	0.2377	39.32	9.69	49.01	62.18	-13.17	QP
4	0.2377	29.49	9.69	39.18	52.18	-13.00	AVG
5 *	0.4424	40.12	9.72	49.84	57.02	-7.18	QP
6	0.4424	30.10	9.72	39.82	47.02	-7.20	AVG
7	0.7394	34.14	9.75	43.89	56.00	-12.11	QP
8	0.7394	23.20	9.75	32.95	46.00	-13.05	AVG
9	2.0872	33.49	9.86	43.35	56.00	-12.65	QP
10	2.0872	22.10	9.86	31.96	46.00	-14.04	AVG
11	9.2130	37.22	10.27	47.49	60.00	-12.51	QP
12	9.2130	25.60	10.27	35.87	50.00	-14.13	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



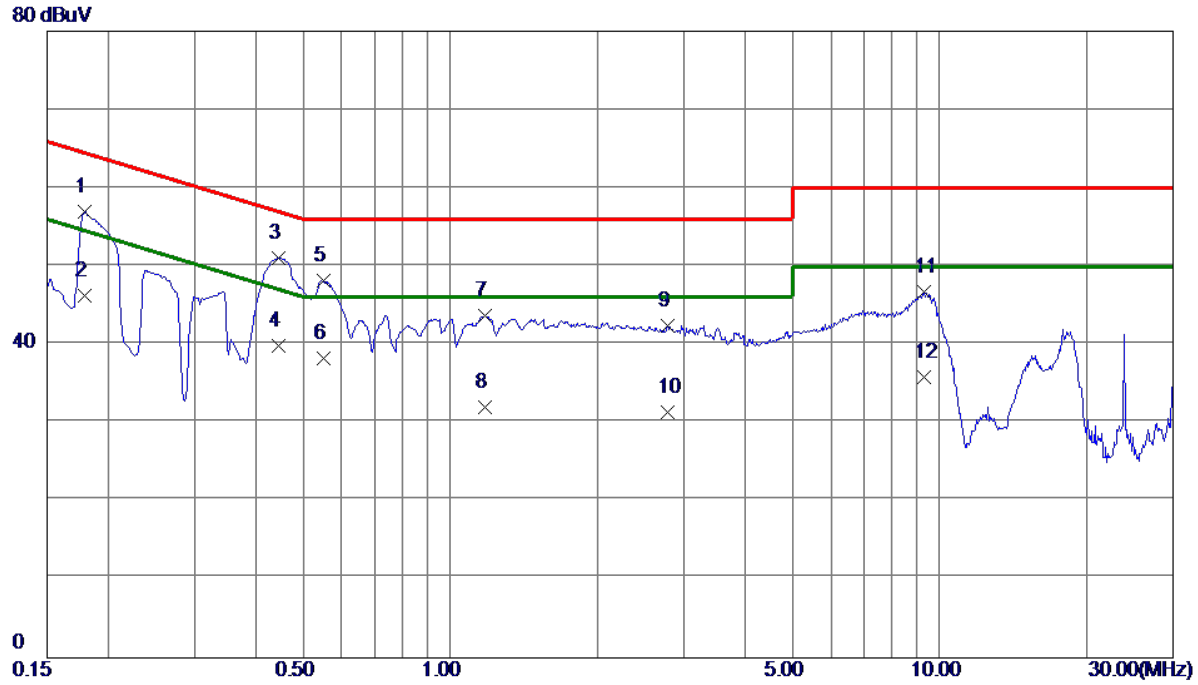
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1791	47.09	9.67	56.76	64.53	-7.77	QP
2	0.1791	36.50	9.67	46.17	54.53	-8.36	AVG
3 *	0.4445	41.31	9.71	51.02	56.98	-5.96	QP
4	0.4445	30.09	9.71	39.80	46.98	-7.18	AVG
5	0.5571	38.26	9.73	47.99	56.00	-8.01	QP
6	0.5571	29.50	9.73	39.23	46.00	-6.77	AVG
7	1.1624	33.94	9.79	43.73	56.00	-12.27	QP
8	1.1624	23.50	9.79	33.29	46.00	-12.71	AVG
9	3.5610	32.40	9.94	42.34	56.00	-13.66	QP
10	3.5610	22.30	9.94	32.24	46.00	-13.76	AVG
11	9.3277	35.83	10.31	46.14	60.00	-13.86	QP
12	9.3277	26.50	10.31	36.81	50.00	-13.19	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	46.99	9.69	56.68	64.52	-7.84	QP
2	0.1792	36.50	9.69	46.19	54.52	-8.33	AVG
3	0.2445	39.22	9.69	48.91	61.94	-13.03	QP
4	0.2445	28.49	9.69	38.18	51.94	-13.76	AVG
5 *	0.4447	40.07	9.72	49.79	56.97	-7.18	QP
6	0.4447	29.50	9.72	39.22	46.97	-7.75	AVG
7	0.7372	34.03	9.75	43.78	56.00	-12.22	QP
8	0.7372	24.20	9.75	33.95	46.00	-12.05	AVG
9	2.0805	33.59	9.86	43.45	56.00	-12.55	QP
10	2.0805	23.50	9.86	33.36	46.00	-12.64	AVG
11	9.0847	37.26	10.27	47.53	60.00	-12.47	QP
12	9.0847	26.10	10.27	36.37	50.00	-13.63	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1792	47.28	9.67	56.95	64.52	-7.57	QP
2	0.1792	36.50	9.67	46.17	54.52	-8.35	AVG
3 *	0.4470	41.37	9.71	51.08	56.93	-5.85	QP
4	0.4470	30.19	9.71	39.90	46.93	-7.03	AVG
5	0.5503	38.44	9.72	48.16	56.00	-7.84	QP
6	0.5503	28.51	9.72	38.23	46.00	-7.77	AVG
7	1.1804	33.93	9.79	43.72	56.00	-12.28	QP
8	1.1804	22.20	9.79	31.99	46.00	-14.01	AVG
9	2.7847	32.53	9.89	42.42	56.00	-13.58	QP
10	2.7847	21.50	9.89	31.39	46.00	-14.61	AVG
11	9.3210	36.35	10.31	46.66	60.00	-13.34	QP
12	9.3210	25.60	10.31	35.91	50.00	-14.09	AVG

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

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

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

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

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5^{th} 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. 26, 2018
2	Pre-Amplifier	Mini-Circuits	EMC 9135	980283	Mar. 26, 2018
3	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	586	Mar. 26, 2018
4	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	587	Mar. 26, 2018
5	Cable	emci	LMR-400(5m +11m+15m)	N/A	Nov. 03, 2018
6	Cable	emci	LMR-400(5m +8m+15m)	N/A	Nov. 03, 2018
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	Jun. 20, 2018

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	Nov. 03, 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. 26, 2018
6	Amplifier	Agilent	8449B	3008A02584	Aug. 20, 2018
7	MXE EMI Receiver	Agilent	N9038A	MY53220133	Jun. 20, 2018

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

4.2.3 TEST PROCEDURE

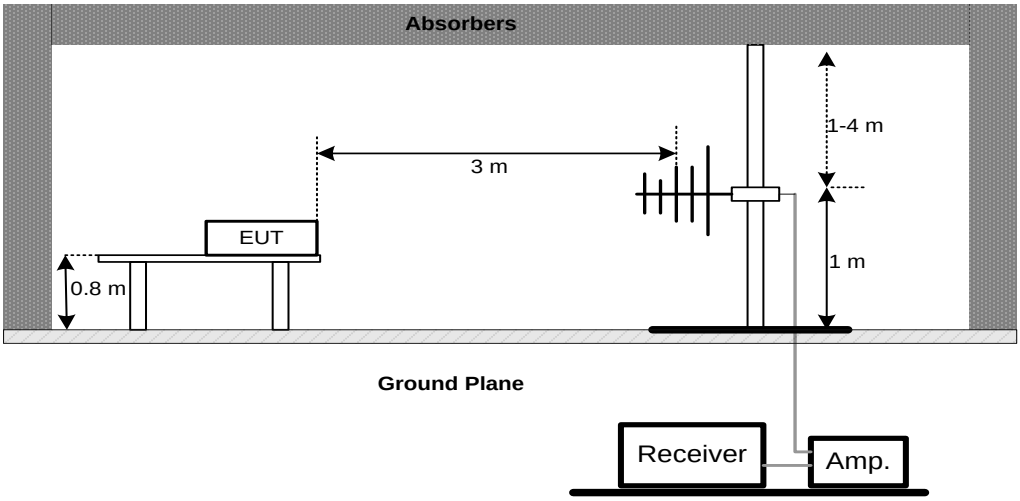
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

4.2.4 DEVIATION FROM TEST STANDARD

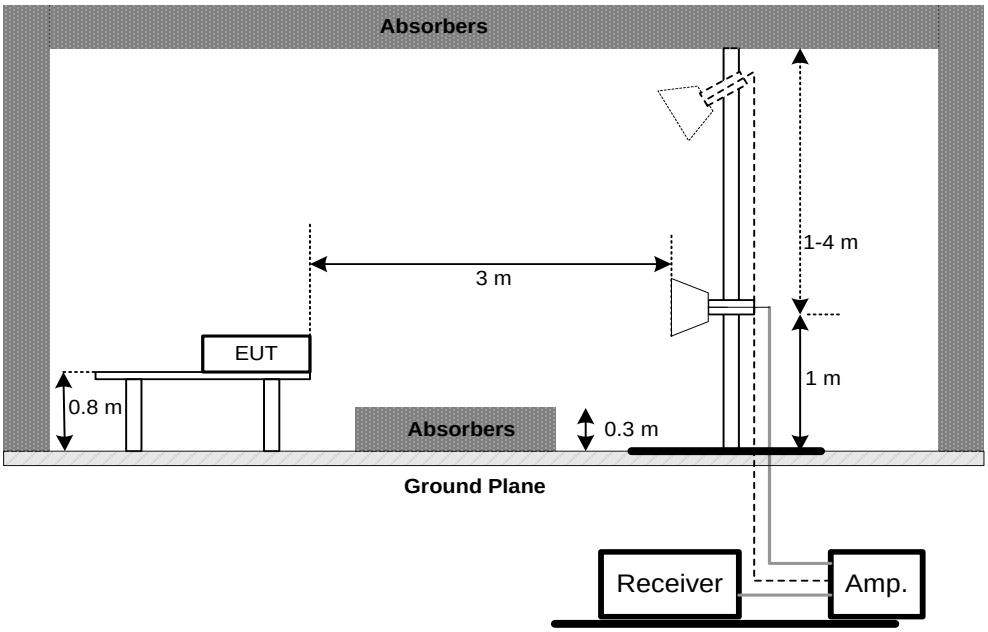
No deviation

4.2.5 TEST SETUP

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



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



4.2.6 TEST RESULTS-BELOW 1GHZ

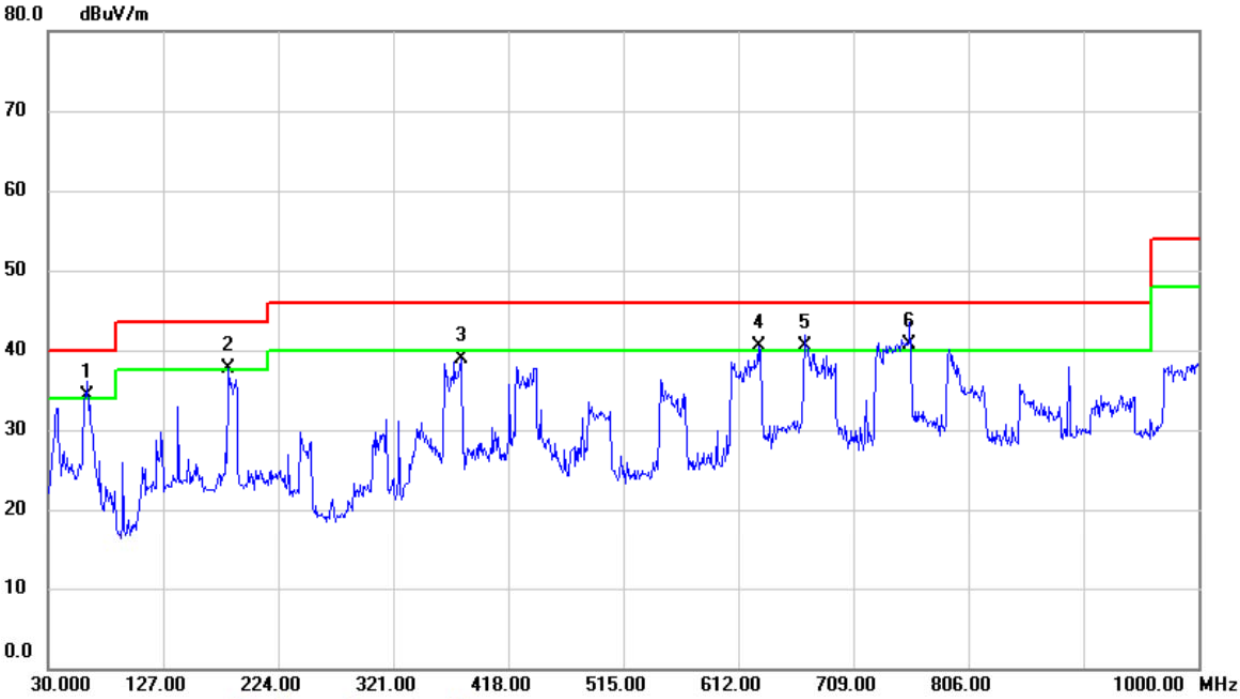
Remark：

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

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

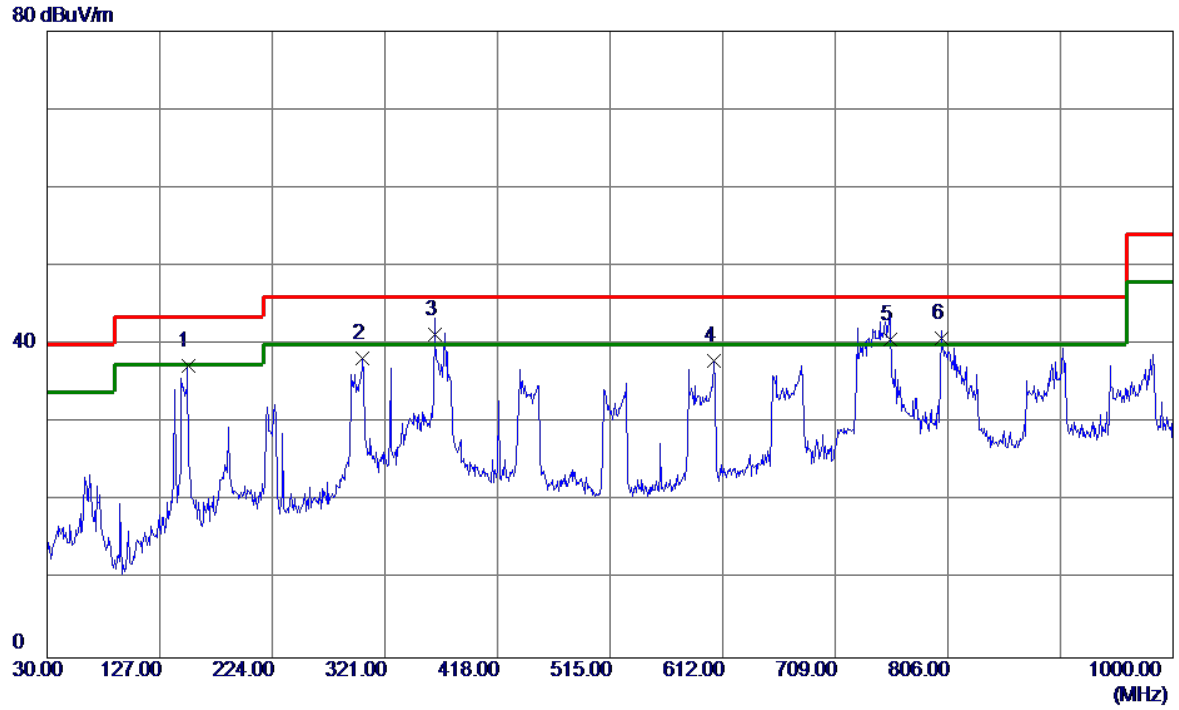
(3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table。

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



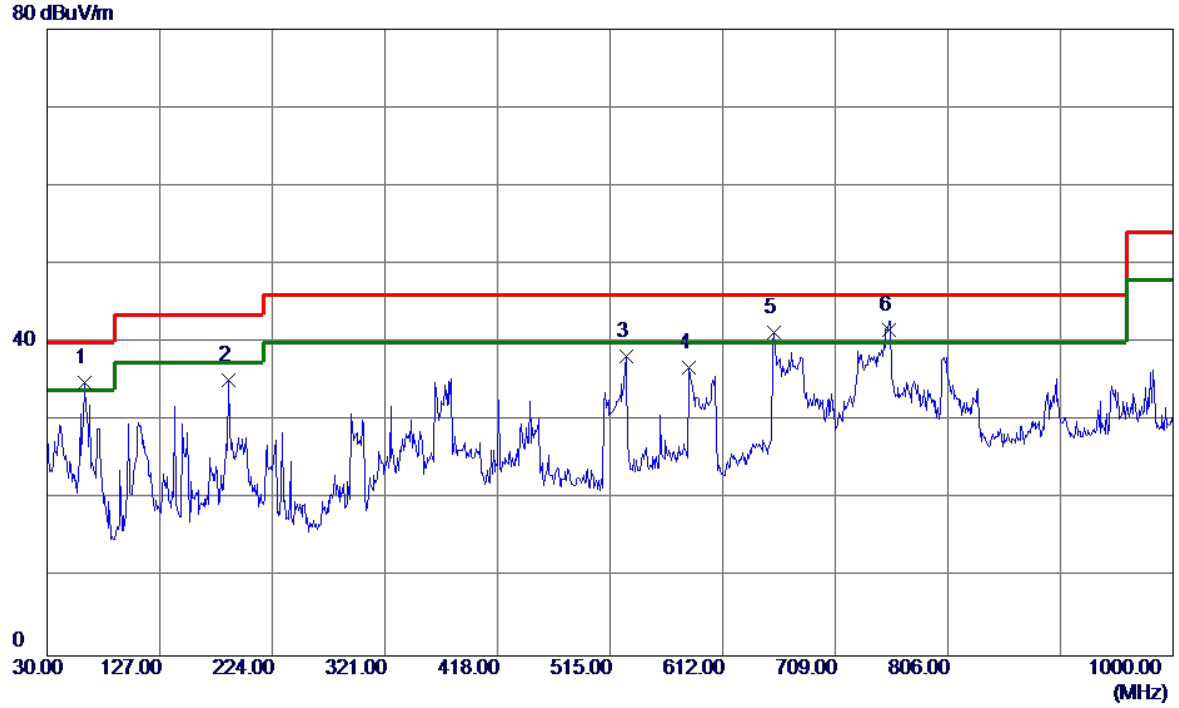
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	62.9800	51.51	-17.19	34.32	40.00	-5.68	QP	
2	!	182.2900	55.05	-17.43	37.62	43.50	-5.88	QP	
3		378.2300	51.96	-13.03	38.93	46.00	-7.07	QP	
4	!	628.9750	48.06	-7.55	40.51	46.00	-5.49	QP	
5	!	667.7750	47.59	-7.05	40.54	46.00	-5.46	QP	
6	*	756.5300	46.08	-5.42	40.66	46.00	-5.34	QP	

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



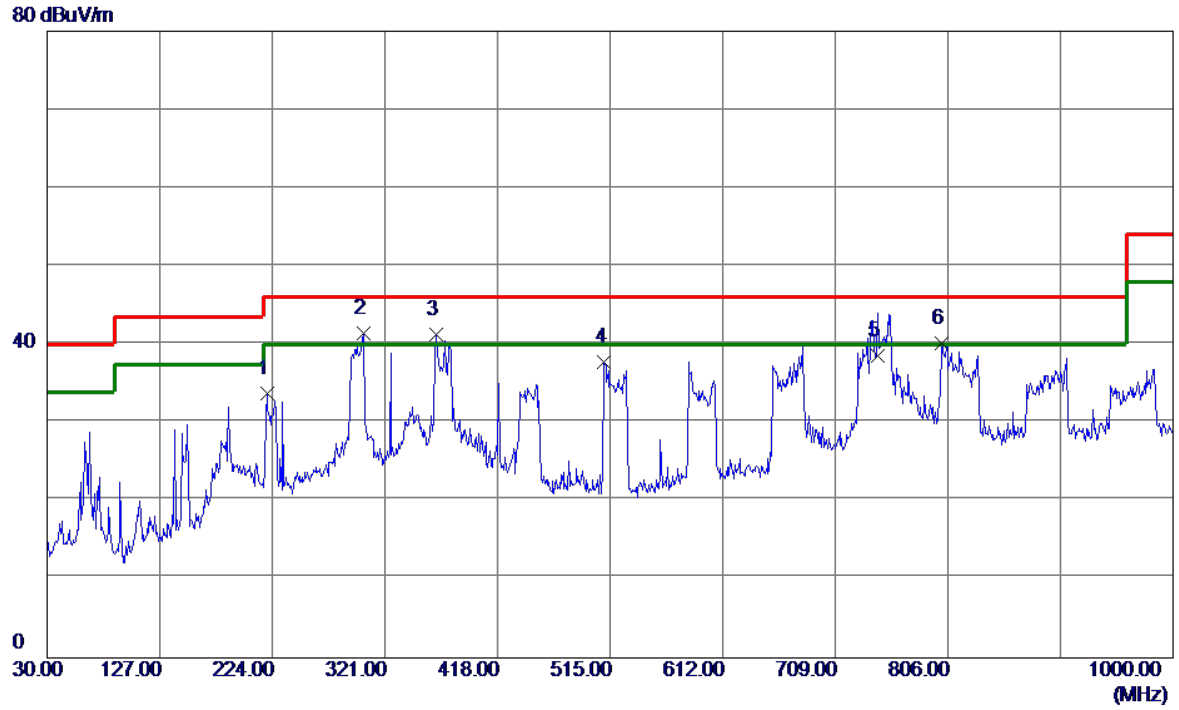
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	151.2500	58.94	-21.72	37.22	43.50	-6.28	QP
2	302.0850	58.87	-20.66	38.21	46.00	-7.79	QP
3 *	364.1650	60.63	-19.32	41.31	46.00	-4.69	QP
4	604.7250	51.69	-13.79	37.90	46.00	-8.10	QP
5	756.0450	51.92	-11.33	40.59	46.00	-5.41	QP
6	800.6650	51.58	-10.85	40.73	46.00	-5.27	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



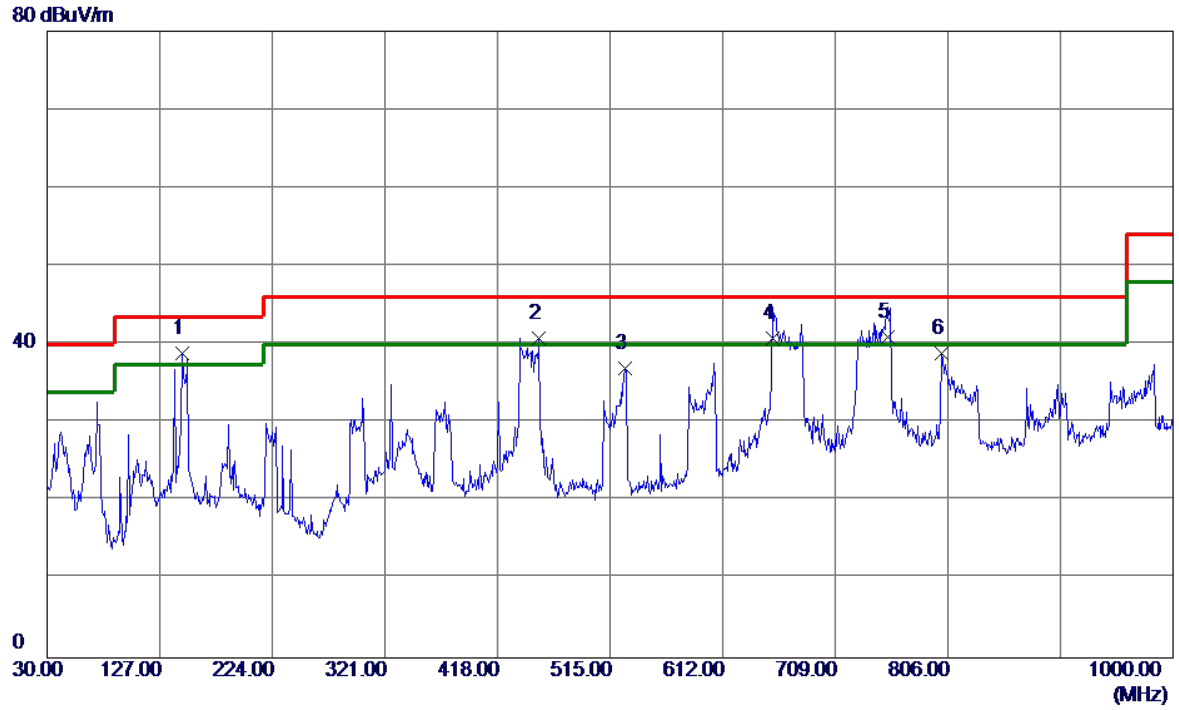
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	62.4950	57.82	-22.98	34.84	40.00	-5.16	QP
2	186.1700	58.94	-23.70	35.24	43.50	-8.26	QP
3	528.5800	53.70	-15.46	38.24	46.00	-7.76	QP
4	582.9000	51.07	-14.30	36.77	46.00	-9.23	QP
5	656.6200	54.41	-13.10	41.31	46.00	-4.69	QP
6 *	755.5600	53.01	-11.34	41.67	46.00	-4.33	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



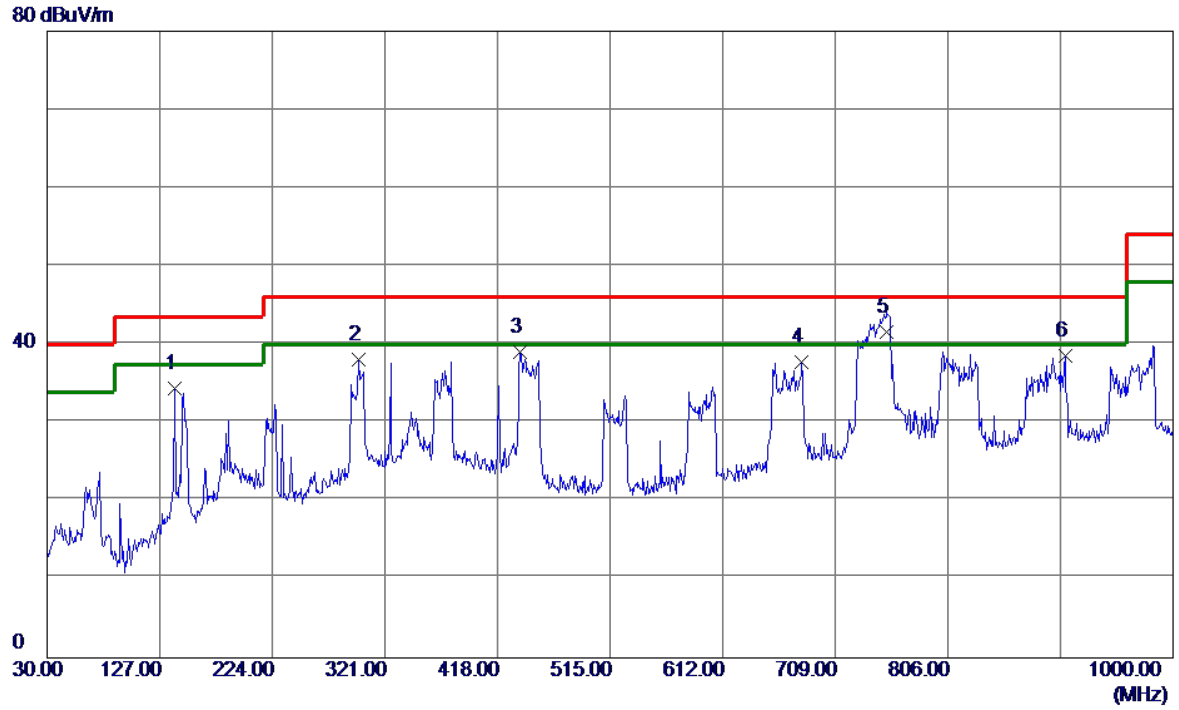
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	219.6350	58.11	-24.42	33.69	46.00	-12.31	QP
2 *	302.5700	62.16	-20.65	41.51	46.00	-4.49	QP
3	365.6200	60.62	-19.28	41.34	46.00	-4.66	QP
4	510.1500	53.56	-15.73	37.83	46.00	-8.17	QP
5	745.3750	50.03	-11.51	38.52	46.00	-7.48	QP
6	800.6650	51.02	-10.85	40.17	46.00	-5.83	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



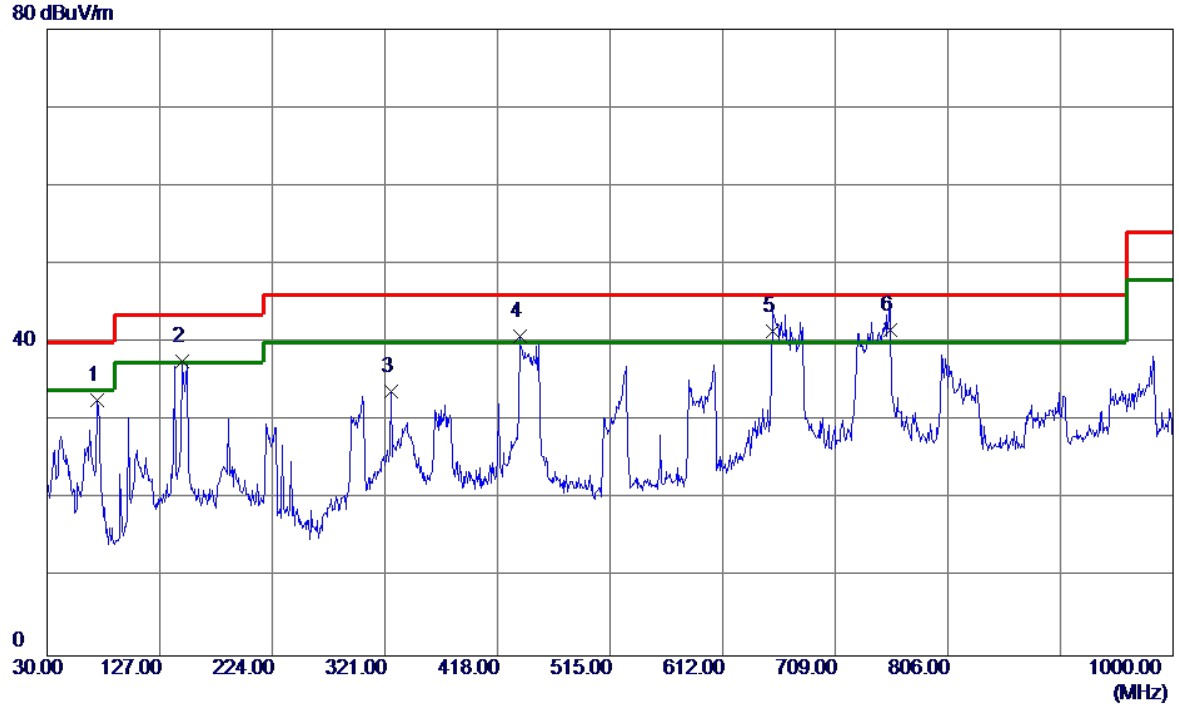
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	145.9149	60.76	-21.94	38.82	43.50	-4.68	QP
2	453.8900	57.41	-16.58	40.83	46.00	-5.17	QP
3	528.0949	52.44	-15.47	36.97	46.00	-9.03	QP
4	655.1650	53.91	-13.12	40.79	46.00	-5.21	QP
5	754.1050	52.31	-11.36	40.95	46.00	-5.05	QP
6	800.1800	49.73	-10.86	38.87	46.00	-7.13	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



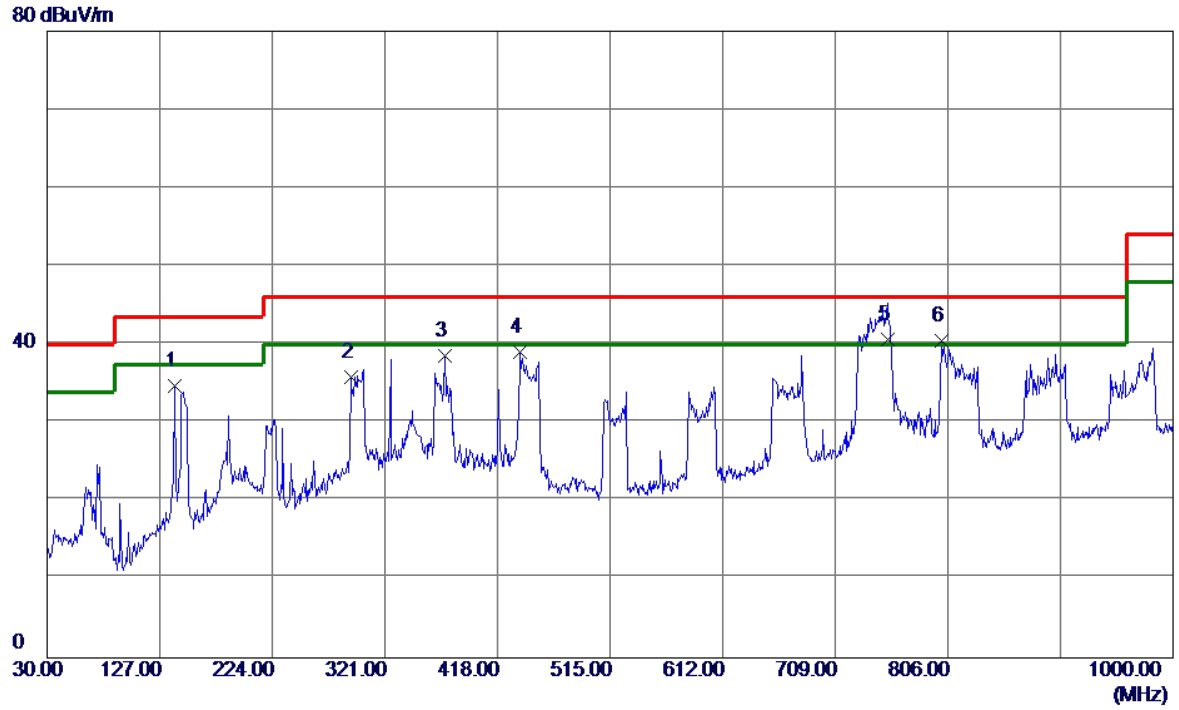
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	139.6100	56.64	-22.27	34.37	43.50	-9.13	QP
2	298.6900	58.88	-20.73	38.15	46.00	-7.85	QP
3	437.4000	56.06	-17.06	39.00	46.00	-7.00	QP
4	679.9000	50.62	-12.83	37.79	46.00	-8.21	QP
5 *	753.6200	52.99	-11.36	41.63	46.00	-4.37	QP
6	906.8800	47.75	-9.15	38.60	46.00	-7.40	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



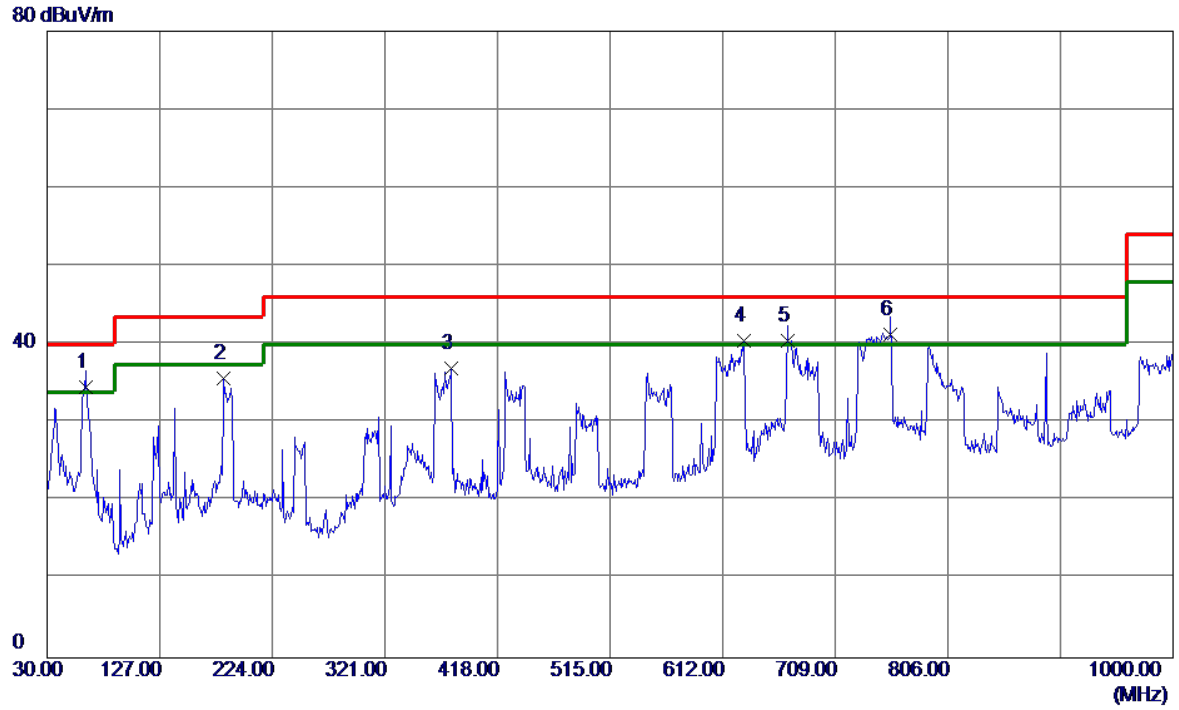
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	73.1650	57.45	-24.79	32.66	40.00	-7.34	QP
2	145.9149	59.47	-21.94	37.53	43.50	-5.97	QP
3	325.8500	54.01	-20.19	33.82	46.00	-12.18	QP
4	436.9150	57.89	-17.08	40.81	46.00	-5.19	QP
5	655.1650	54.49	-13.12	41.37	46.00	-4.63	QP
6 *	756.0450	52.91	-11.33	41.58	46.00	-4.42	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



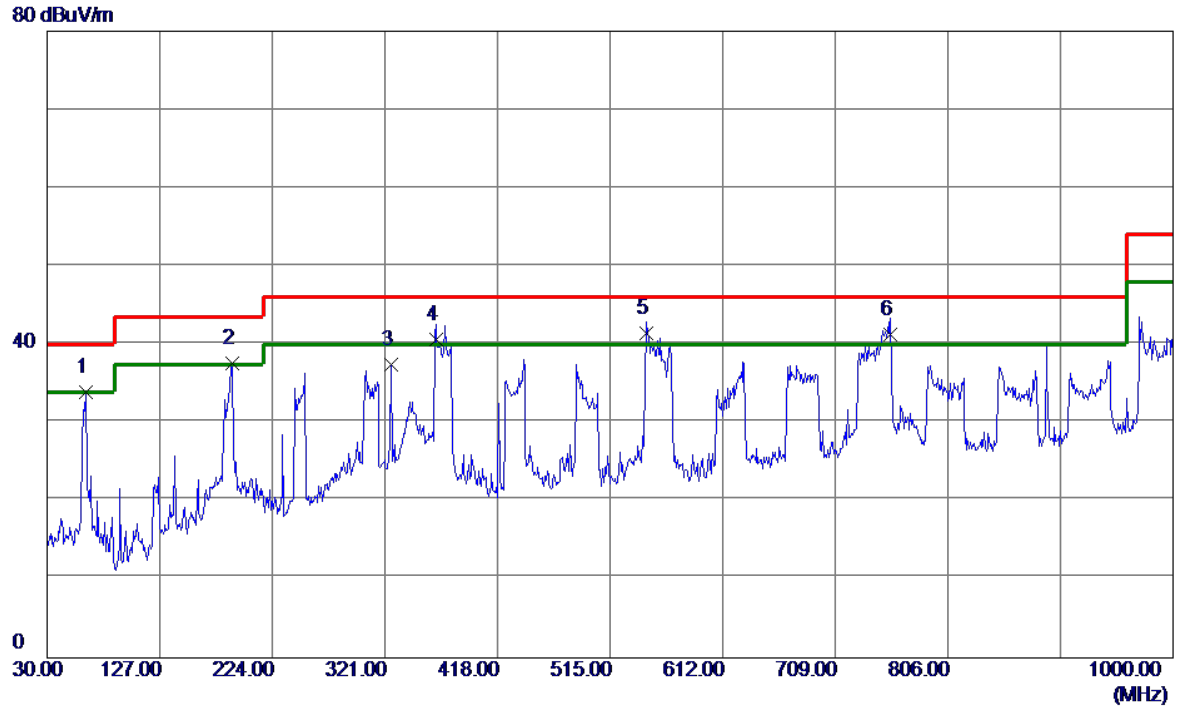
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	139.6100	57.06	-22.27	34.79	43.50	-8.71	QP
2	291.4150	56.69	-20.91	35.78	46.00	-10.22	QP
3	372.4100	57.71	-19.09	38.62	46.00	-7.38	QP
4	437.4000	56.14	-17.06	39.08	46.00	-6.92	QP
5 *	754.1050	52.05	-11.36	40.69	46.00	-5.31	QP
6	800.6650	51.29	-10.85	40.44	46.00	-5.56	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



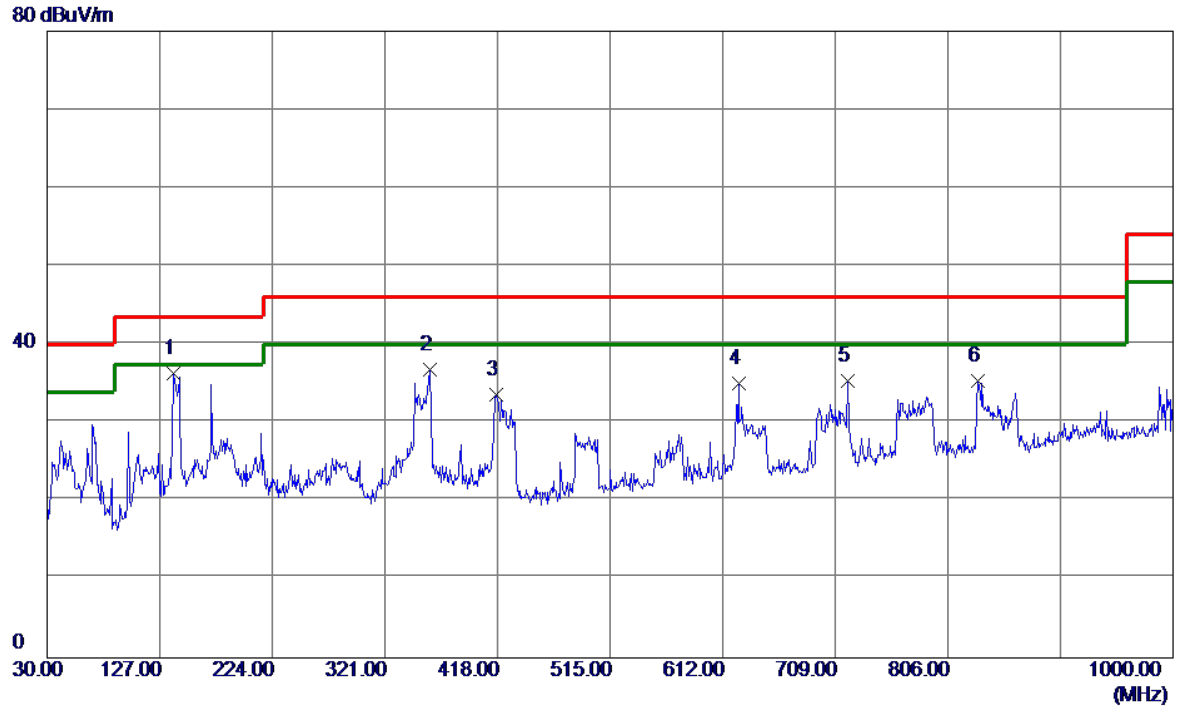
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	62.9800	57.62	-23.06	34.56	40.00	-5.44	QP
2	182.2899	58.93	-23.31	35.62	43.50	-7.88	QP
3	378.2300	55.86	-18.93	36.93	46.00	-9.07	QP
4	630.4300	53.95	-13.44	40.51	46.00	-5.49	QP
5	667.7750	53.39	-12.97	40.42	46.00	-5.58	QP
6 *	756.5300	52.62	-11.33	41.29	46.00	-4.71	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



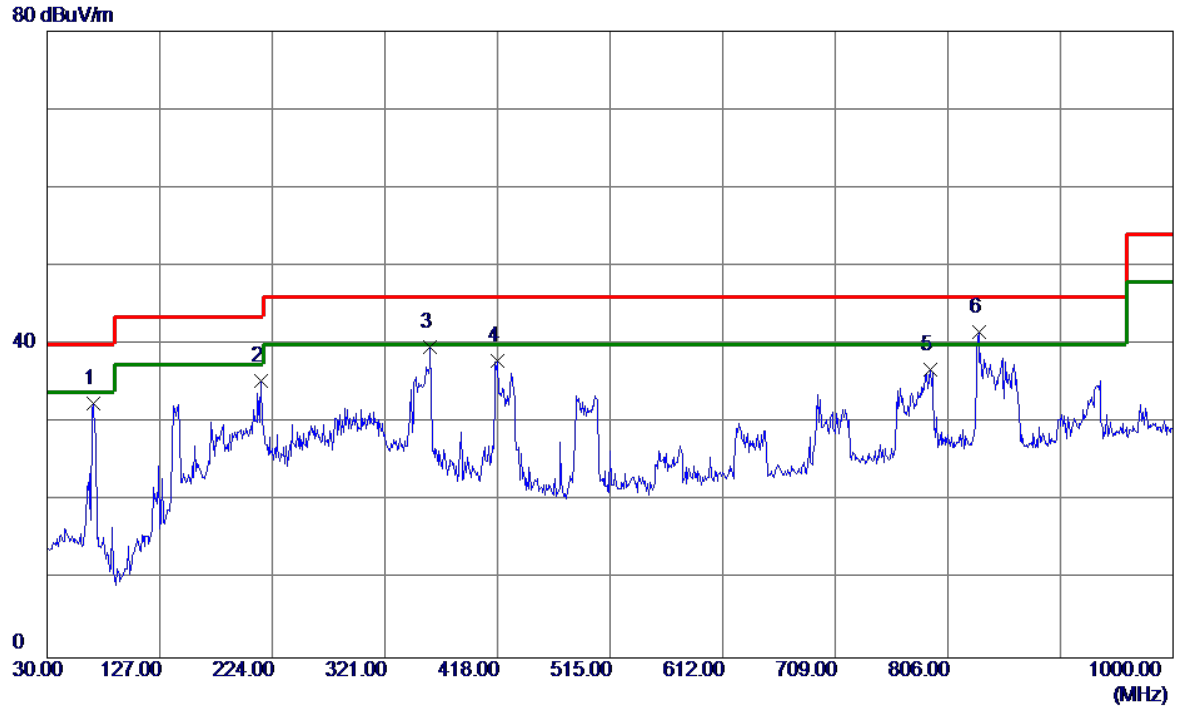
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	62.9800	56.98	-23.06	33.92	40.00	-6.08	QP
2	189.0800	61.64	-24.00	37.64	43.50	-5.86	QP
3	325.8500	57.67	-20.19	37.48	46.00	-8.52	QP
4	365.1350	59.88	-19.29	40.59	46.00	-5.41	QP
5 *	546.5250	56.58	-15.21	41.37	46.00	-4.63	QP
6	756.5300	52.58	-11.33	41.25	46.00	-4.75	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



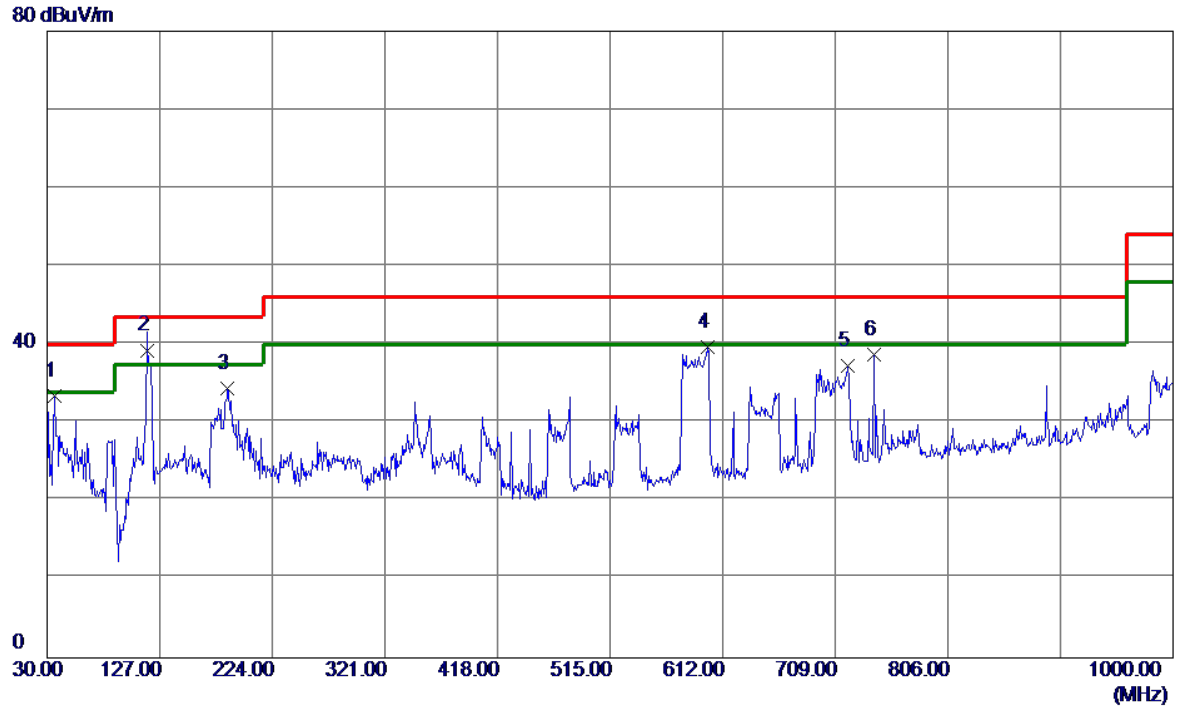
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	138.6400	58.72	-22.36	36.36	43.50	-7.14	QP
2	359.3150	56.18	-19.45	36.73	46.00	-9.27	QP
3	416.5450	51.36	-17.76	33.60	46.00	-12.40	QP
4	626.0650	48.47	-13.50	34.97	46.00	-11.03	QP
5	720.1550	47.54	-12.11	35.43	46.00	-10.57	QP
6	831.7050	45.77	-10.43	35.34	46.00	-10.66	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



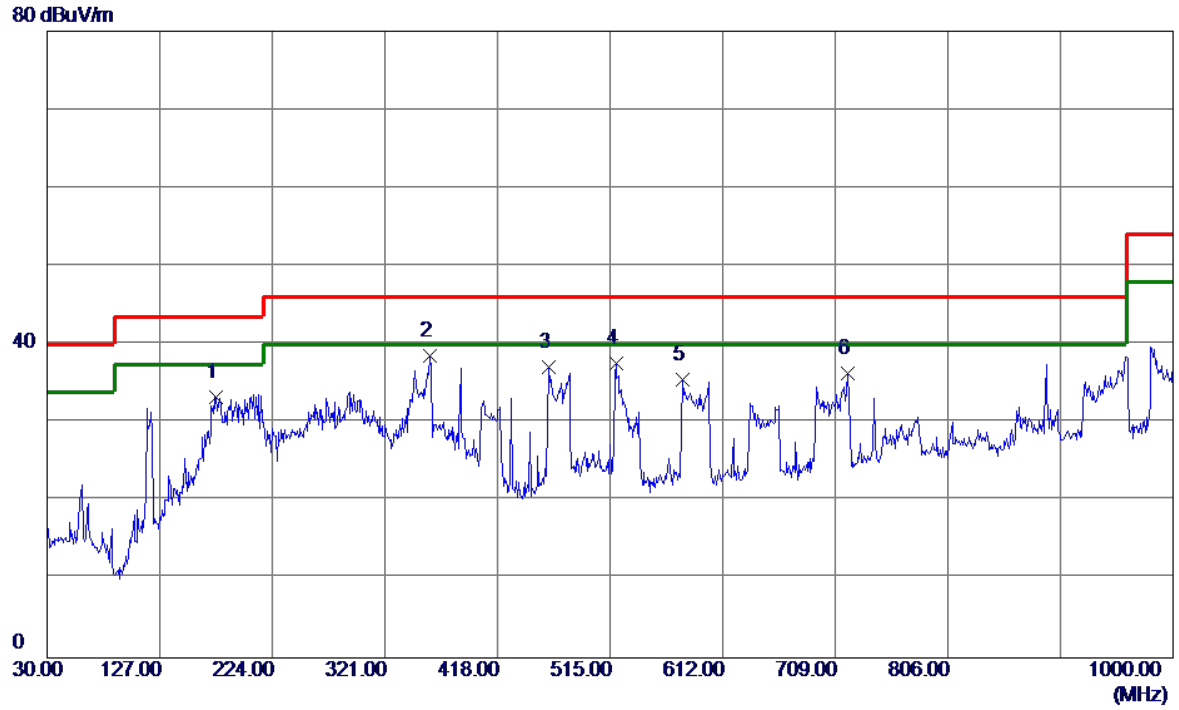
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	69.7699	56.64	-24.13	32.51	40.00	-7.49	QP
2	214.7850	59.74	-24.44	35.30	43.50	-8.20	QP
3	360.2850	59.16	-19.42	39.74	46.00	-6.26	QP
4	418.0000	55.67	-17.72	37.95	46.00	-8.05	QP
5	790.9650	47.73	-10.96	36.77	46.00	-9.23	QP
6 *	832.6750	52.04	-10.42	41.62	46.00	-4.38	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



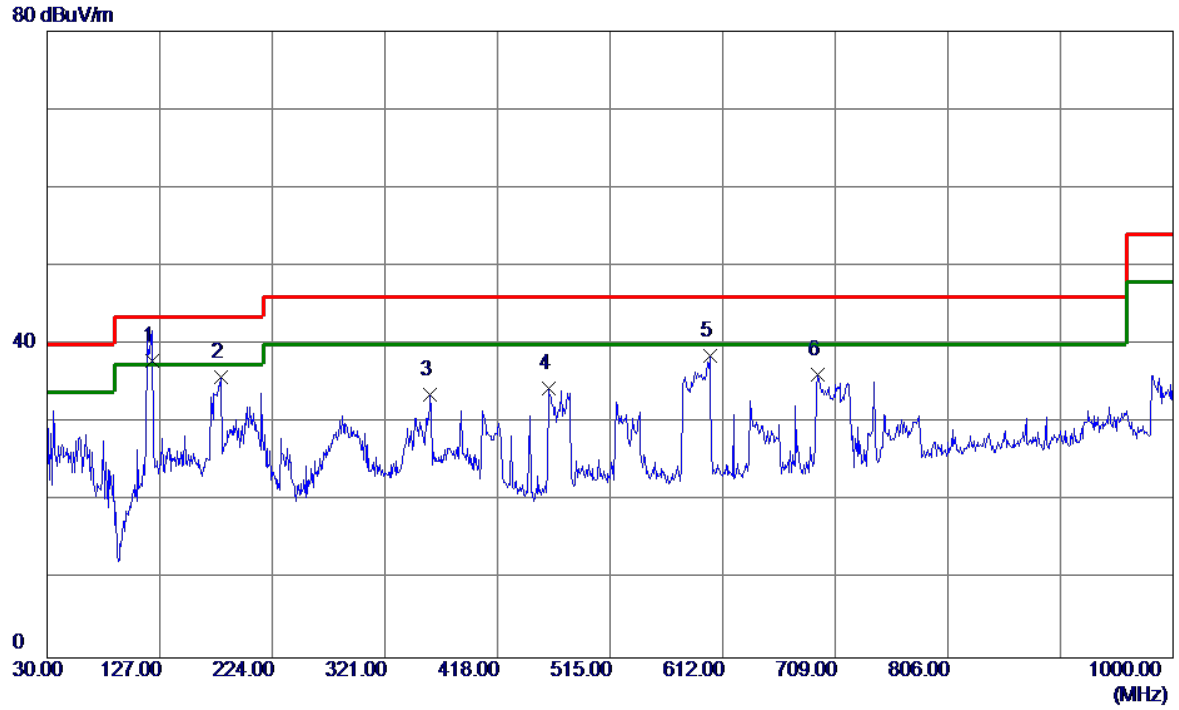
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	36.7900	56.96	-23.59	33.37	40.00	-6.63	QP
2 *	115.8450	63.72	-24.44	39.28	43.50	-4.22	QP
3	185.6850	58.09	-23.65	34.44	43.50	-9.06	QP
4	598.9050	53.64	-13.88	39.76	46.00	-6.24	QP
5	720.1550	49.39	-12.11	37.28	46.00	-8.72	QP
6	742.4650	50.35	-11.58	38.77	46.00	-7.23	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



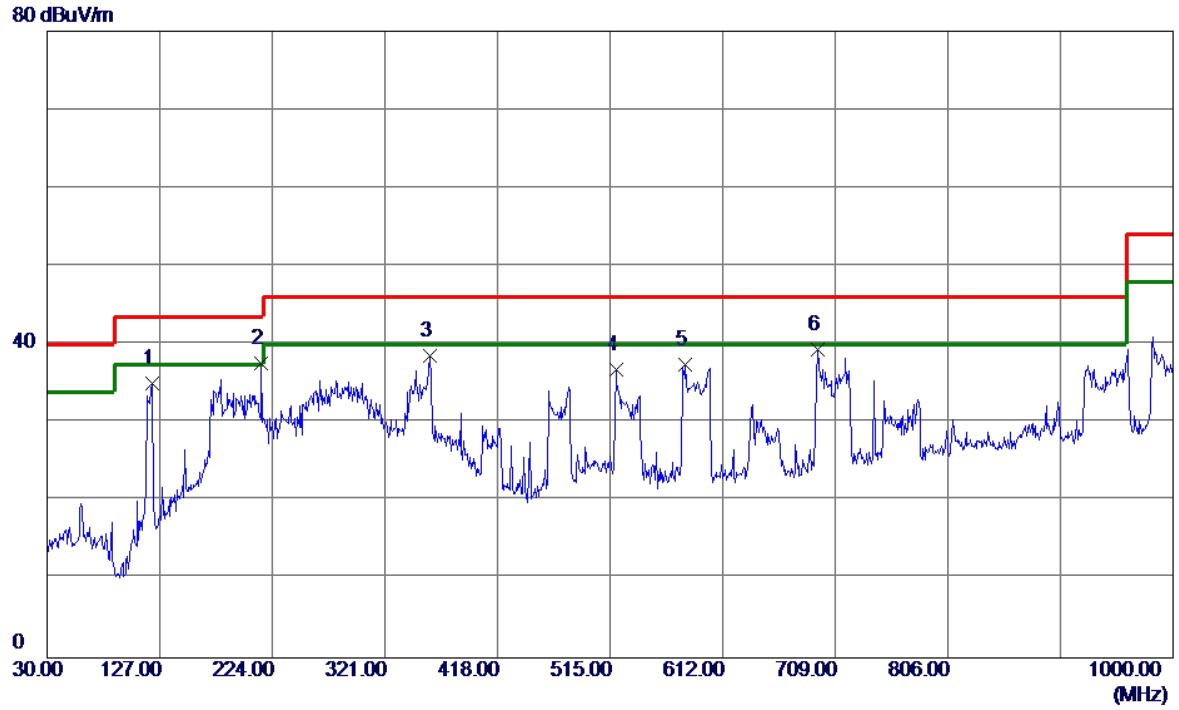
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	175.9850	56.03	-22.71	33.32	43.50	-10.18	QP
2 *	359.8000	57.99	-19.44	38.55	46.00	-7.45	QP
3	462.1350	53.62	-16.45	37.17	46.00	-8.83	QP
4	519.8500	53.15	-15.59	37.56	46.00	-8.44	QP
5	577.5650	49.97	-14.44	35.53	46.00	-10.47	QP
6	720.1550	48.41	-12.11	36.30	46.00	-9.70	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



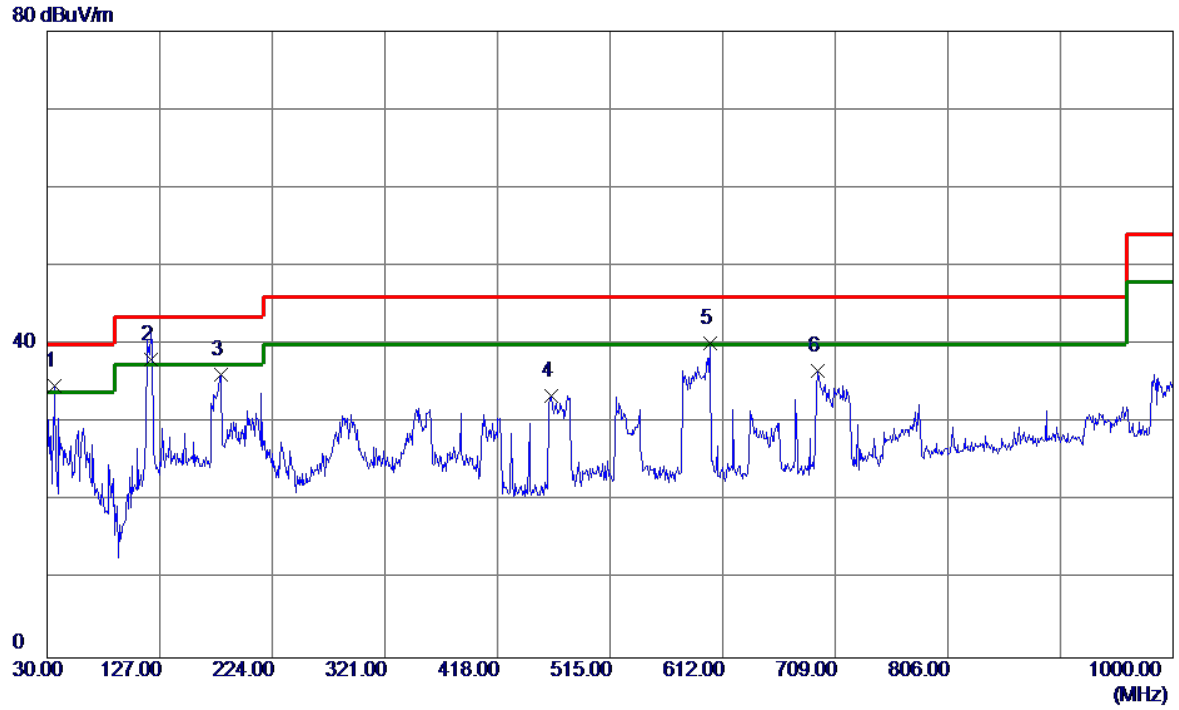
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	120.2100	62.03	-24.09	37.94	43.50	-5.56	QP
2	179.8650	58.93	-23.07	35.86	43.50	-7.64	QP
3	360.2850	53.06	-19.42	33.64	46.00	-12.36	QP
4	462.1350	50.88	-16.45	34.43	46.00	-11.57	QP
5	600.8449	52.36	-13.84	38.52	46.00	-7.48	QP
6	693.4800	48.82	-12.67	36.15	46.00	-9.85	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



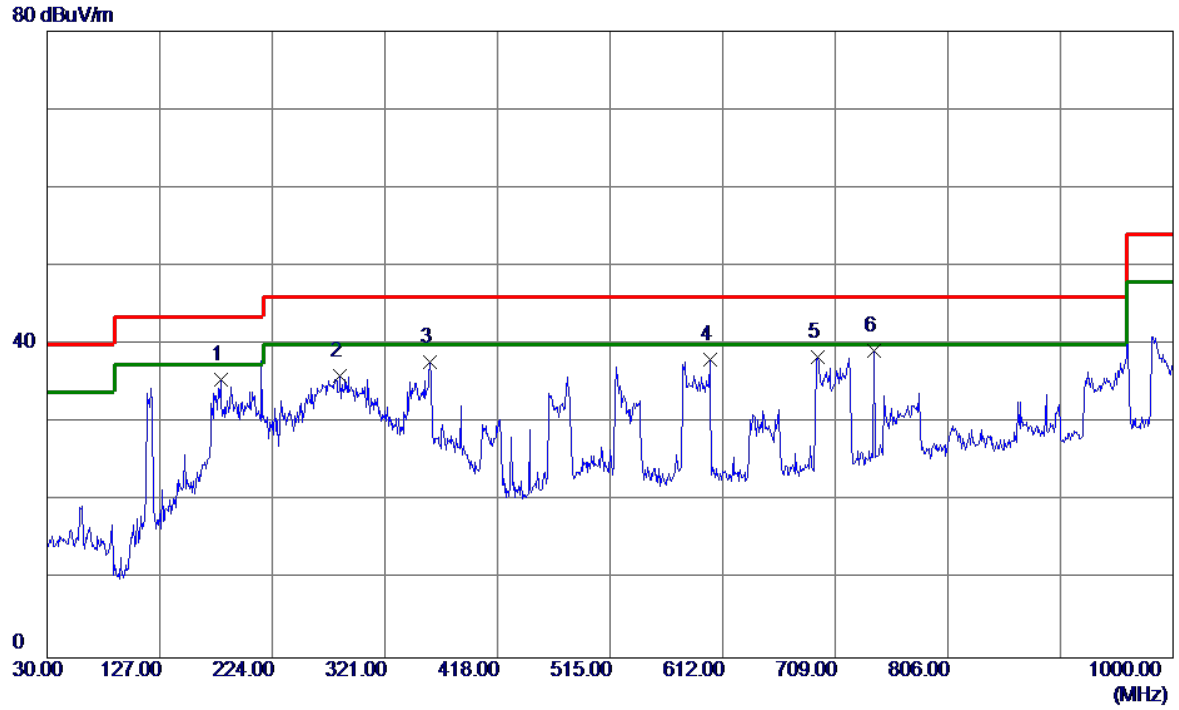
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	120.2100	59.20	-24.09	35.11	43.50	-8.39	QP
2 *	214.7850	62.09	-24.44	37.65	43.50	-5.85	QP
3	360.2850	57.92	-19.42	38.50	46.00	-7.50	QP
4	519.8500	52.46	-15.59	36.87	46.00	-9.13	QP
5	579.9900	51.79	-14.37	37.42	46.00	-8.58	QP
6	693.4800	52.08	-12.67	39.41	46.00	-6.59	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



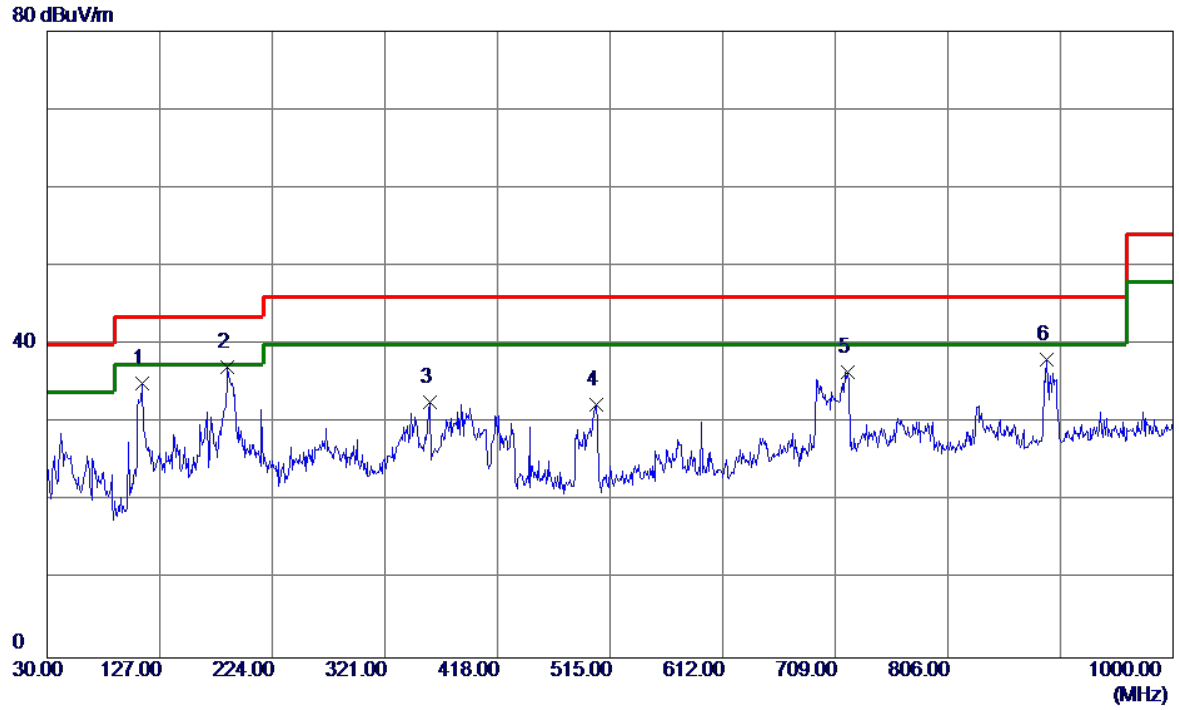
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	36.7900	58.25	-23.59	34.66	40.00	-5.34	QP
2	119.7250	62.28	-24.13	38.15	43.50	-5.35	QP
3	179.8650	59.18	-23.07	36.11	43.50	-7.39	QP
4	464.5600	49.93	-16.42	33.51	46.00	-12.49	QP
5	600.8449	54.04	-13.84	40.20	46.00	-5.80	QP
6	693.4800	49.37	-12.67	36.70	46.00	-9.30	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



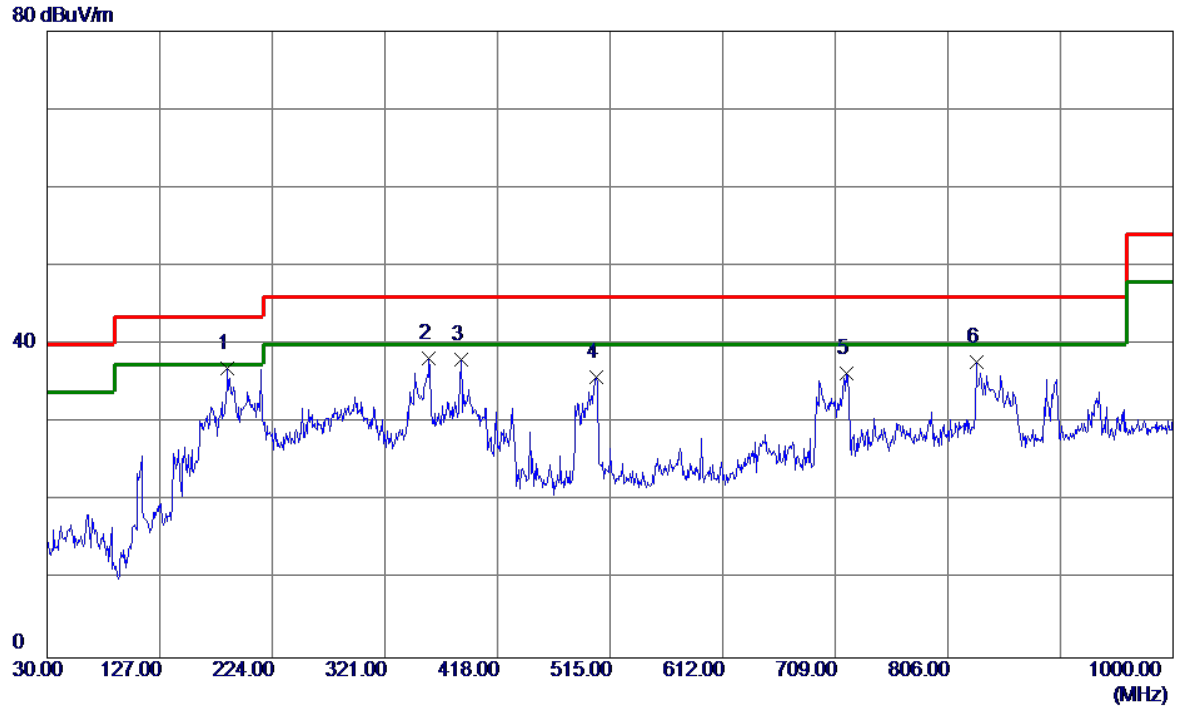
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	179.8650	58.65	-23.07	35.58	43.50	-7.92	QP
2	282.2000	57.10	-21.13	35.97	46.00	-10.03	QP
3	359.8000	57.18	-19.44	37.74	46.00	-8.26	QP
4	600.8449	51.89	-13.84	38.05	46.00	-7.95	QP
5	693.4800	51.10	-12.67	38.43	46.00	-7.57	QP
6 *	742.4650	50.81	-11.58	39.23	46.00	-6.77	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	111.9650	59.76	-24.75	35.01	43.50	-8.49	QP
2 *	185.6850	60.77	-23.65	37.12	43.50	-6.38	QP
3	359.3150	52.02	-19.45	32.57	46.00	-13.43	QP
4	502.8750	48.10	-15.83	32.27	46.00	-13.73	QP
5	720.1550	48.66	-12.11	36.55	46.00	-9.45	QP
6	890.8750	47.53	-9.46	38.07	46.00	-7.93	QP

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



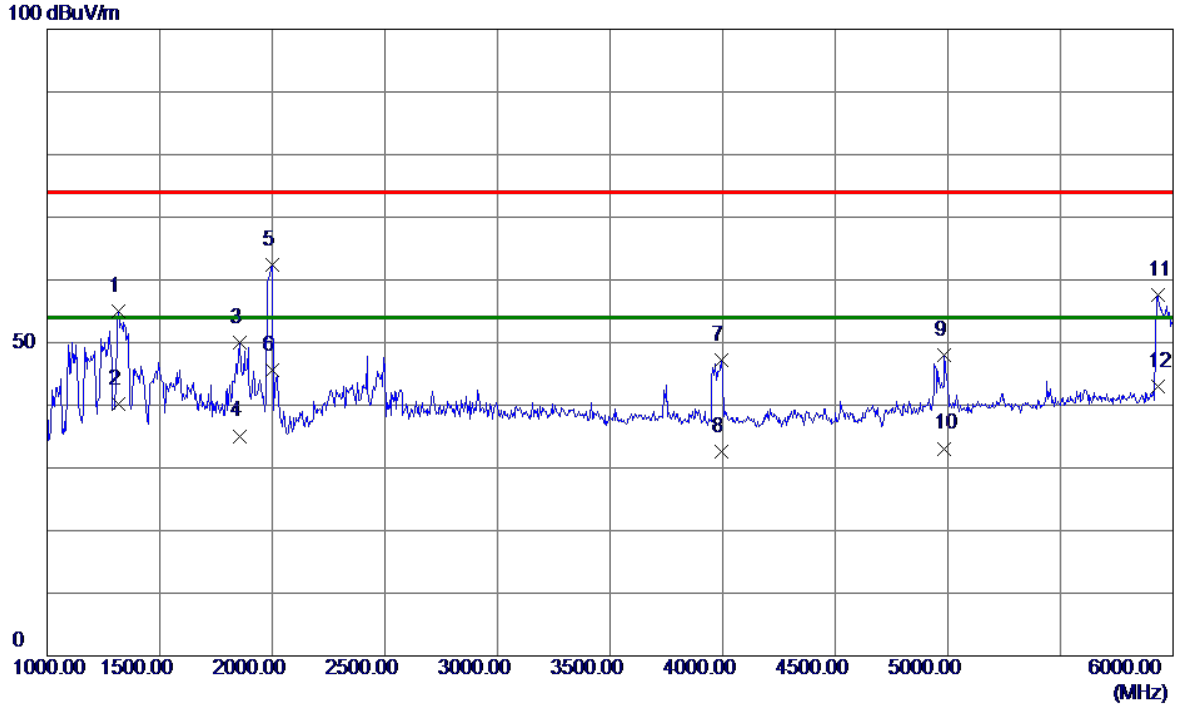
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	185.2000	60.51	-23.61	36.90	43.50	-6.60	QP
2	358.8299	57.77	-19.46	38.31	46.00	-7.69	QP
3	386.4750	56.78	-18.70	38.08	46.00	-7.92	QP
4	503.3600	51.73	-15.82	35.91	46.00	-10.09	QP
5	718.7000	48.45	-12.15	36.30	46.00	-9.70	QP
6	830.7350	48.26	-10.44	37.82	46.00	-8.18	QP

4.2.7 TEST RESULTS-ABOVE 1GHZ

Remark：

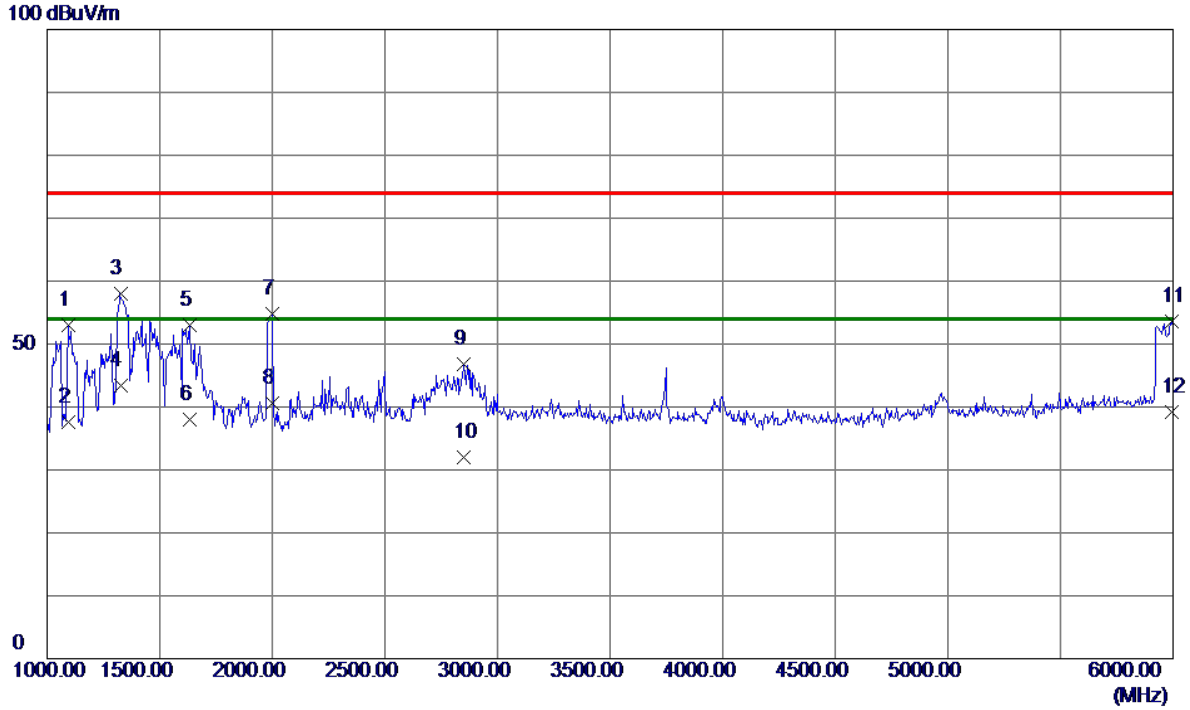
(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode 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	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



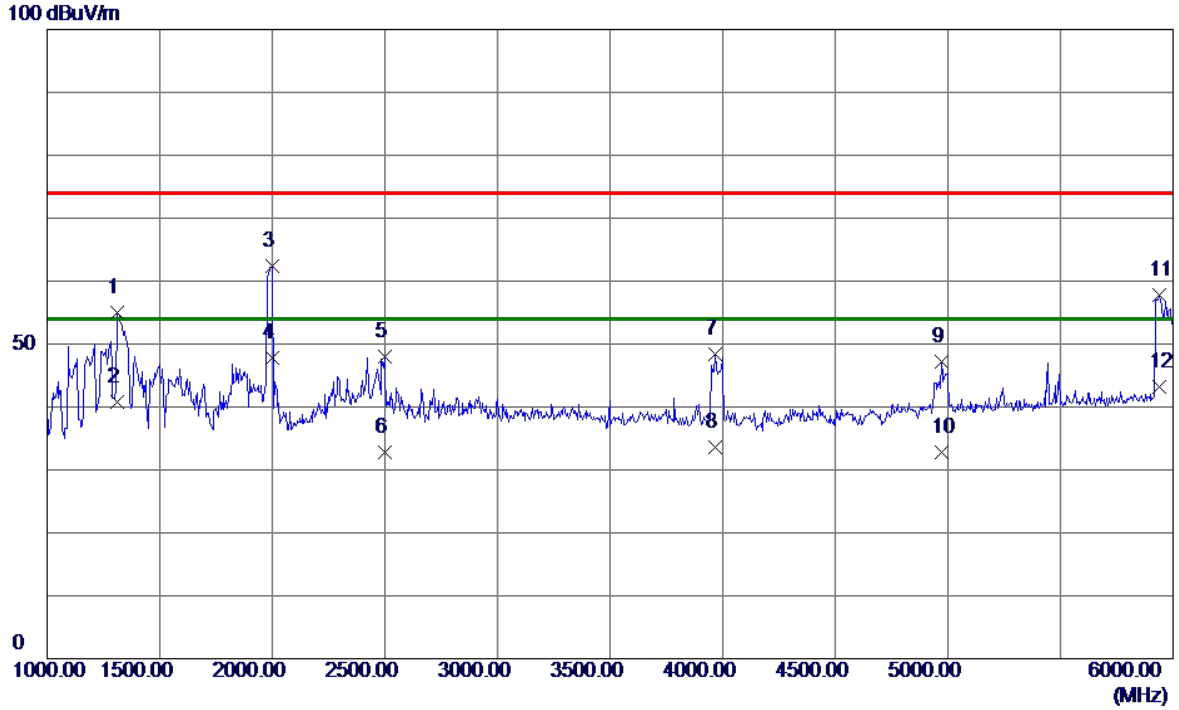
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1317.5000	58.42	-3.50	54.92	74.00	-19.08	Peak
2	1317.5000	43.69	-3.50	40.19	54.00	-13.81	AVG
3	1857.5000	51.83	-1.78	50.05	74.00	-23.95	Peak
4	1857.5000	36.88	-1.78	35.10	54.00	-18.90	AVG
5	2000.0000	63.86	-1.49	62.37	74.00	-11.63	Peak
6 *	2000.0000	47.16	-1.49	45.67	54.00	-8.33	AVG
7	3995.0000	41.55	5.73	47.28	74.00	-26.72	Peak
8	3995.0000	26.88	5.73	32.61	54.00	-21.39	AVG
9	4985.0000	39.72	8.24	47.96	74.00	-26.04	Peak
10	4985.0000	24.86	8.24	33.10	54.00	-20.90	AVG
11	5932.5000	46.71	10.98	57.69	74.00	-16.31	Peak
12	5932.5000	32.10	10.98	43.08	54.00	-10.92	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



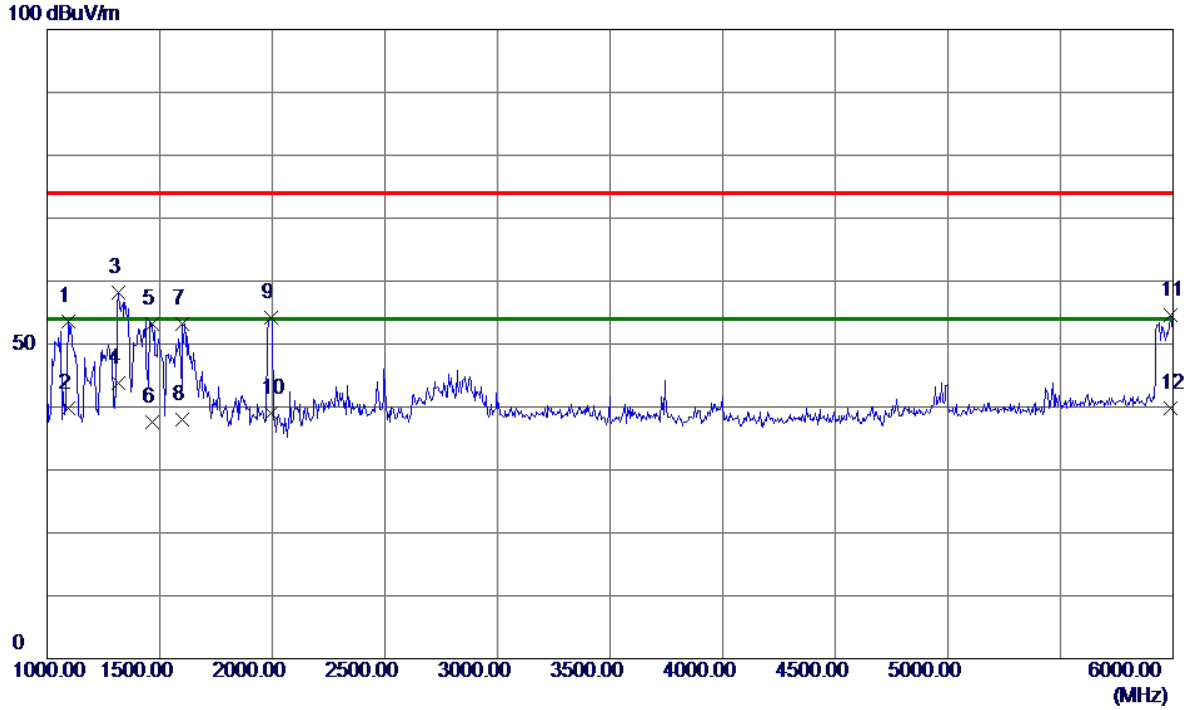
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1092.5000	57.70	-4.74	52.96	74.00	-21.04	Peak
2	1092.5000	42.33	-4.74	37.59	54.00	-16.41	AVG
3	1325.0000	61.53	-3.46	58.07	74.00	-15.93	Peak
4 *	1325.0000	46.86	-3.46	43.40	54.00	-10.60	AVG
5	1635.0000	55.18	-2.23	52.95	74.00	-21.05	Peak
6	1635.0000	40.22	-2.23	37.99	54.00	-16.01	AVG
7	1997.5000	56.39	-1.50	54.89	74.00	-19.11	Peak
8	1997.5000	42.15	-1.50	40.65	54.00	-13.35	AVG
9	2850.0000	43.33	3.38	46.71	74.00	-27.29	Peak
10	2850.0000	28.66	3.38	32.04	54.00	-21.96	AVG
11	5992.5000	42.50	11.10	53.60	74.00	-20.40	Peak
12	5992.5000	28.14	11.10	39.24	54.00	-14.76	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



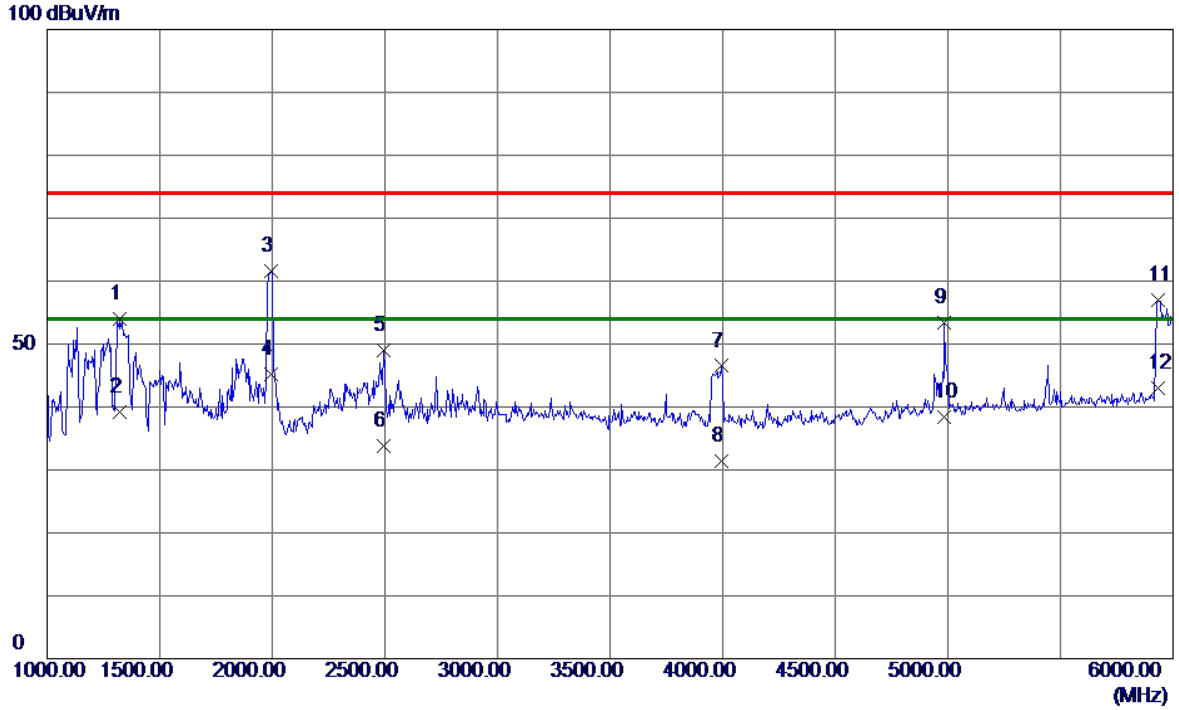
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1310.0000	58.48	-3.55	54.93	74.00	-19.07	Peak
2	1310.0000	44.26	-3.55	40.71	54.00	-13.29	AVG
3	1997.5000	63.96	-1.50	62.46	74.00	-11.54	Peak
4 *	1997.5000	49.37	-1.50	47.87	54.00	-6.13	AVG
5	2497.5000	45.90	2.12	48.02	74.00	-25.98	Peak
6	2497.5000	30.59	2.12	32.71	54.00	-21.29	AVG
7	3965.0000	42.69	5.67	48.36	74.00	-25.64	Peak
8	3965.0000	27.89	5.67	33.56	54.00	-20.44	AVG
9	4970.0000	38.92	8.19	47.11	74.00	-26.89	Peak
10	4970.0000	24.58	8.19	32.77	54.00	-21.23	AVG
11	5940.0000	46.74	10.99	57.73	74.00	-16.27	Peak
12	5940.0000	32.13	10.99	43.12	54.00	-10.88	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



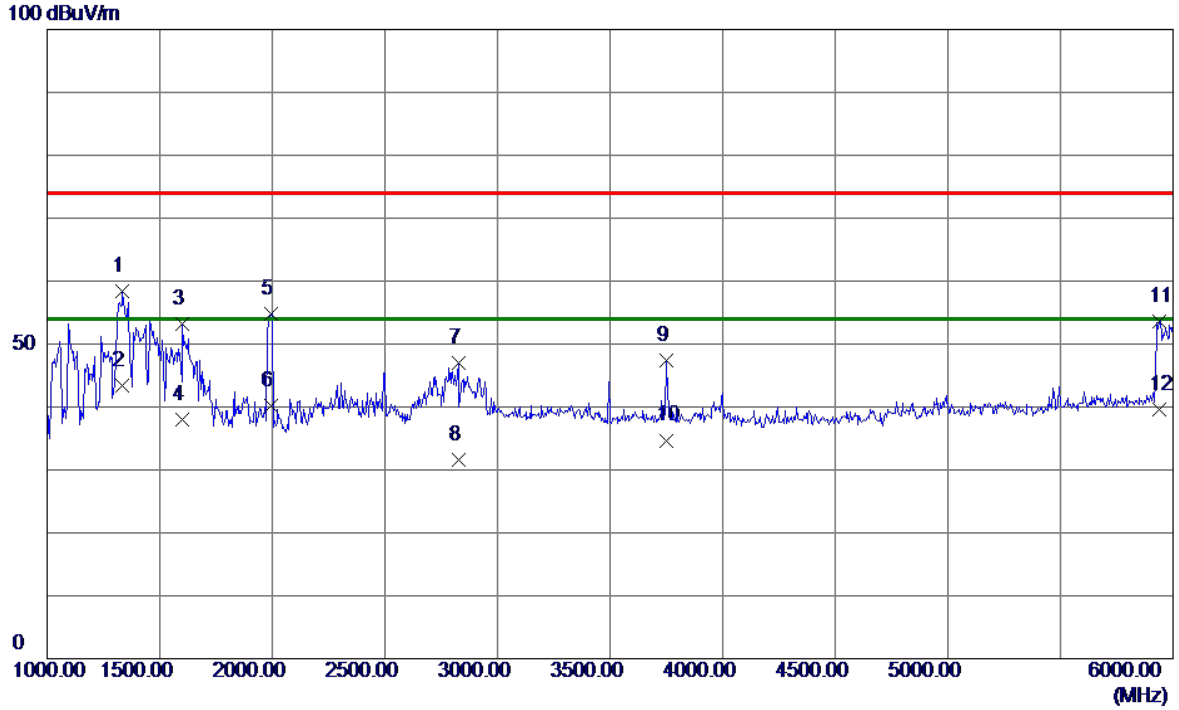
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1092.5000	58.33	-4.74	53.59	74.00	-20.41	Peak
2	1092.5000	44.63	-4.74	39.89	54.00	-14.11	AVG
3	1317.5000	61.73	-3.50	58.23	74.00	-15.77	Peak
4 *	1317.5000	47.36	-3.50	43.86	54.00	-10.14	AVG
5	1465.0000	55.94	-2.69	53.25	74.00	-20.75	Peak
6	1465.0000	40.23	-2.69	37.54	54.00	-16.46	AVG
7	1602.5000	55.47	-2.29	53.18	74.00	-20.82	Peak
8	1602.5000	40.22	-2.29	37.93	54.00	-16.07	AVG
9	1995.0000	55.68	-1.50	54.18	74.00	-19.82	Peak
10	1995.0000	40.58	-1.50	39.08	54.00	-14.92	AVG
11	5990.0000	43.59	11.09	54.68	74.00	-19.32	Peak
12	5990.0000	28.69	11.09	39.78	54.00	-14.22	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



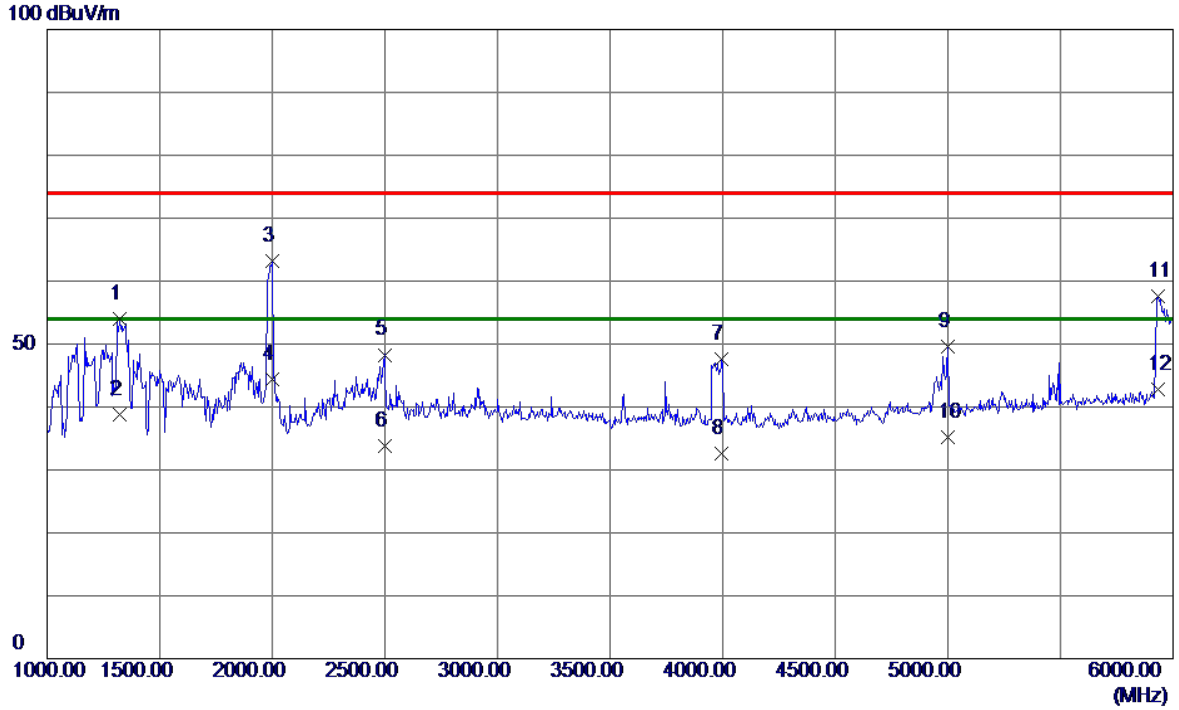
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1320.0000	57.56	-3.49	54.07	74.00	-19.93	Peak
2	1320.0000	42.70	-3.49	39.21	54.00	-14.79	AVG
3	1995.0000	63.14	-1.50	61.64	74.00	-12.36	Peak
4 *	1995.0000	46.72	-1.50	45.22	54.00	-8.78	AVG
5	2495.0000	46.99	2.10	49.09	74.00	-24.91	Peak
6	2495.0000	31.66	2.10	33.76	54.00	-20.24	AVG
7	3995.0000	40.77	5.73	46.50	74.00	-27.50	Peak
8	3995.0000	25.67	5.73	31.40	54.00	-22.60	AVG
9	4985.0000	45.21	8.24	53.45	74.00	-20.55	Peak
10	4985.0000	30.23	8.24	38.47	54.00	-15.53	AVG
11	5932.5000	46.00	10.98	56.98	74.00	-17.02	Peak
12	5932.5000	31.95	10.98	42.93	54.00	-11.07	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



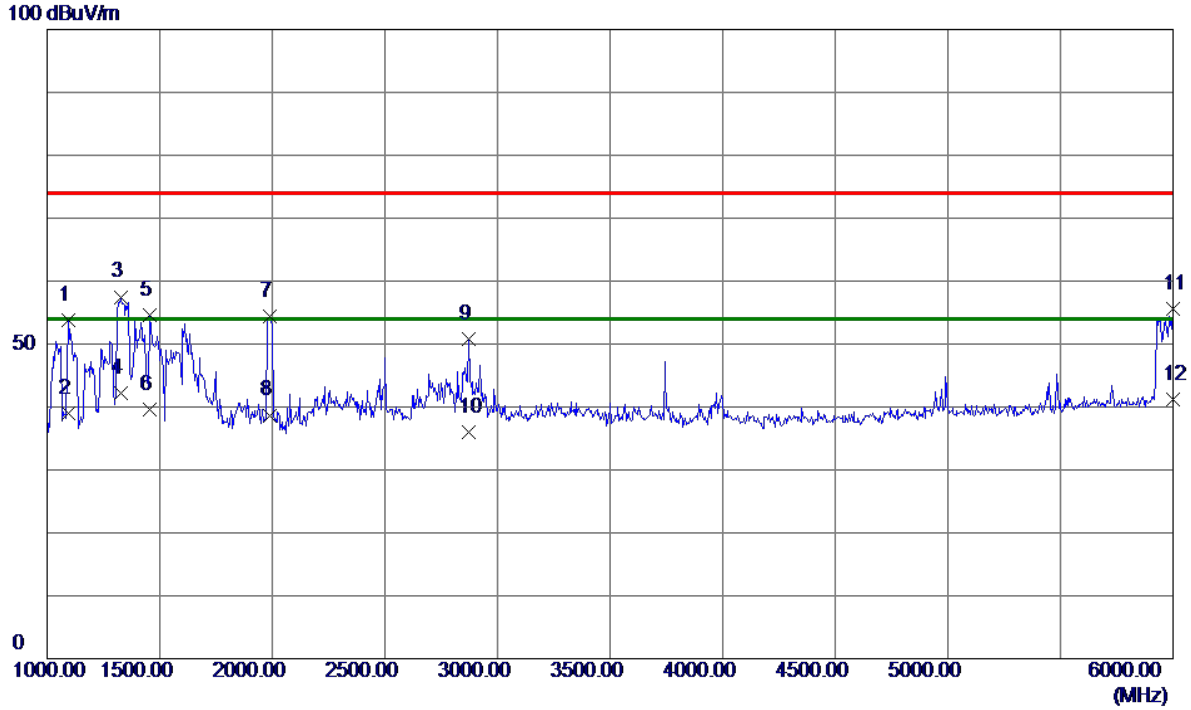
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1335.0000	61.72	-3.41	58.31	74.00	-15.69	Peak
2 *	1335.0000	46.89	-3.41	43.48	54.00	-10.52	AVG
3	1602.5000	55.57	-2.29	53.28	74.00	-20.72	Peak
4	1602.5000	40.22	-2.29	37.93	54.00	-16.07	AVG
5	1995.0000	56.34	-1.50	54.84	74.00	-19.16	Peak
6	1995.0000	41.69	-1.50	40.19	54.00	-13.81	AVG
7	2827.5000	43.65	3.30	46.95	74.00	-27.05	Peak
8	2827.5000	28.34	3.30	31.64	54.00	-22.36	AVG
9	3750.0000	42.21	5.25	47.46	74.00	-26.54	Peak
10	3750.0000	29.45	5.25	34.70	54.00	-19.30	AVG
11	5937.5000	42.65	10.99	53.64	74.00	-20.36	Peak
12	5937.5000	28.54	10.99	39.53	54.00	-14.47	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



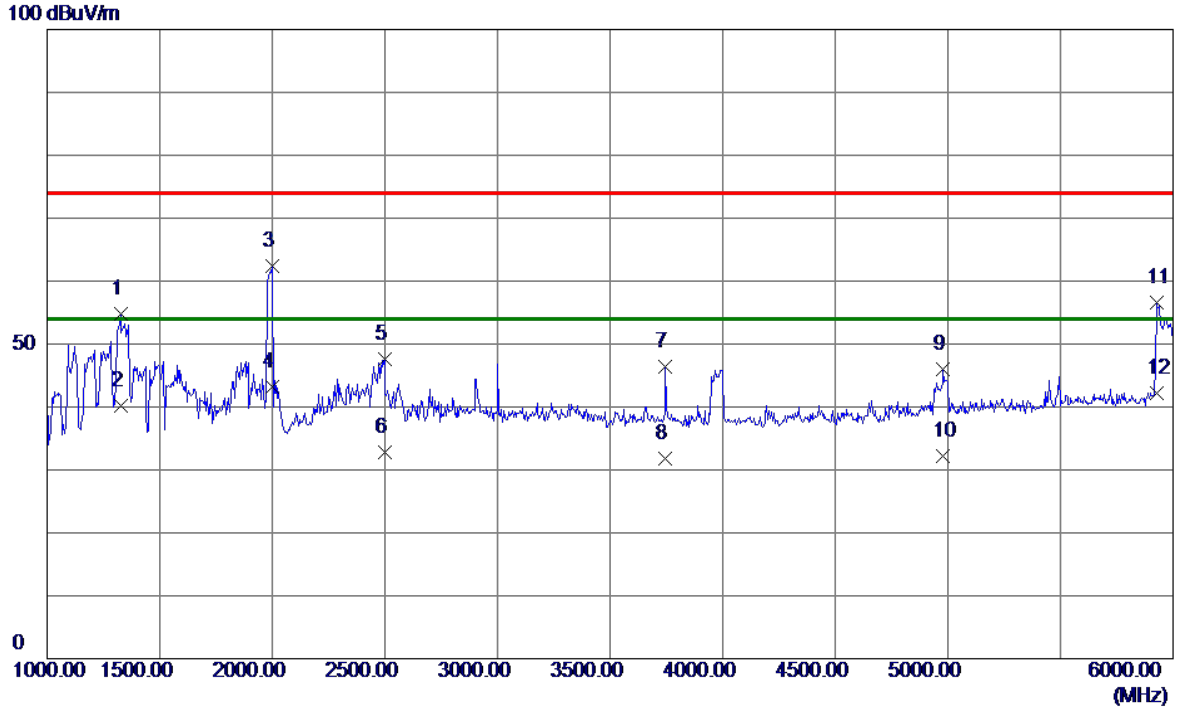
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1322.5000	57.42	-3.48	53.94	74.00	-20.06	Peak
2	1322.5000	42.37	-3.48	38.89	54.00	-15.11	AVG
3	2000.0000	64.69	-1.49	63.20	74.00	-10.80	Peak
4 *	2000.0000	45.86	-1.49	44.37	54.00	-9.63	AVG
5	2497.5000	46.18	2.12	48.30	74.00	-25.70	Peak
6	2497.5000	31.59	2.12	33.71	54.00	-20.29	AVG
7	3995.0000	41.94	5.73	47.67	74.00	-26.33	Peak
8	3995.0000	26.96	5.73	32.69	54.00	-21.31	AVG
9	5000.0000	41.37	8.29	49.66	74.00	-24.34	Peak
10	5000.0000	26.88	8.29	35.17	54.00	-18.83	AVG
11	5932.5000	46.61	10.98	57.59	74.00	-16.41	Peak
12	5932.5000	31.73	10.98	42.71	54.00	-11.29	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



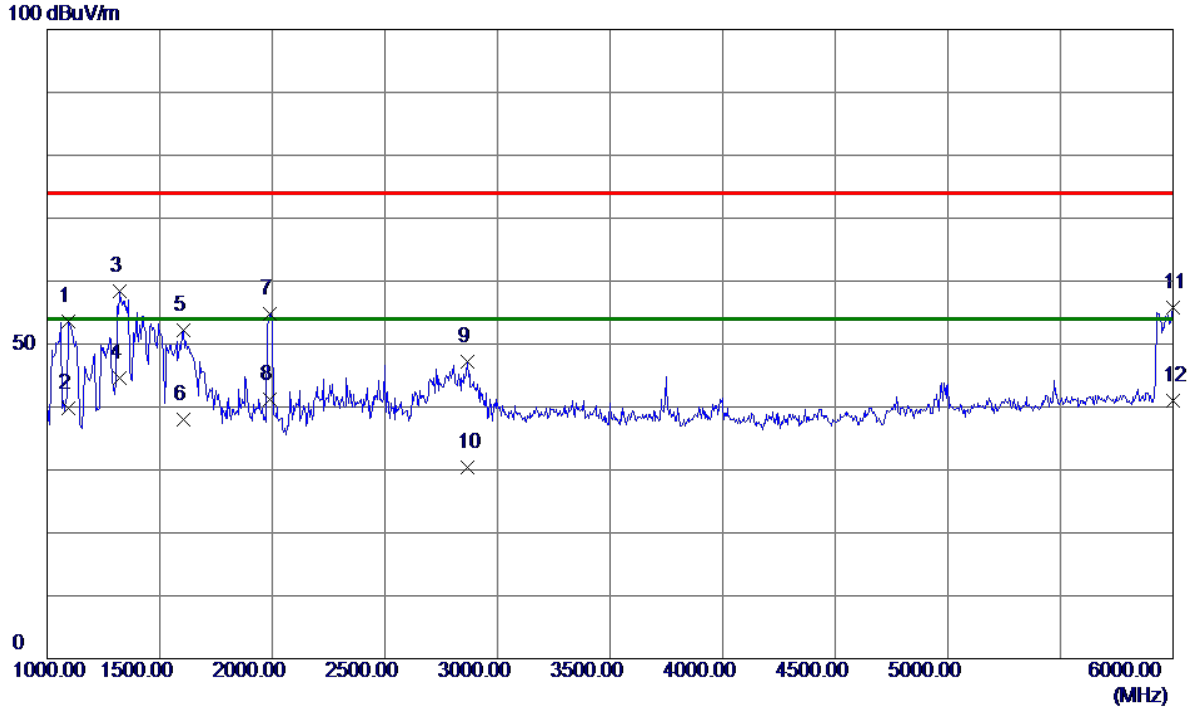
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1092.5000	58.60	-4.74	53.86	74.00	-20.14	Peak
2	1092.5000	43.69	-4.74	38.95	54.00	-15.05	AVG
3	1327.5000	60.95	-3.45	57.50	74.00	-16.50	Peak
4 *	1327.5000	45.65	-3.45	42.20	54.00	-11.80	AVG
5	1457.5000	57.34	-2.73	54.61	74.00	-19.39	Peak
6	1457.5000	42.36	-2.73	39.63	54.00	-14.37	AVG
7	1990.0000	55.89	-1.51	54.38	74.00	-19.62	Peak
8	1990.0000	40.21	-1.51	38.70	54.00	-15.30	AVG
9	2872.5000	47.35	3.46	50.81	74.00	-23.19	Peak
10	2872.5000	32.58	3.46	36.04	54.00	-17.96	AVG
11	5997.5000	44.50	11.11	55.61	74.00	-18.39	Peak
12	5997.5000	30.11	11.11	41.22	54.00	-12.78	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



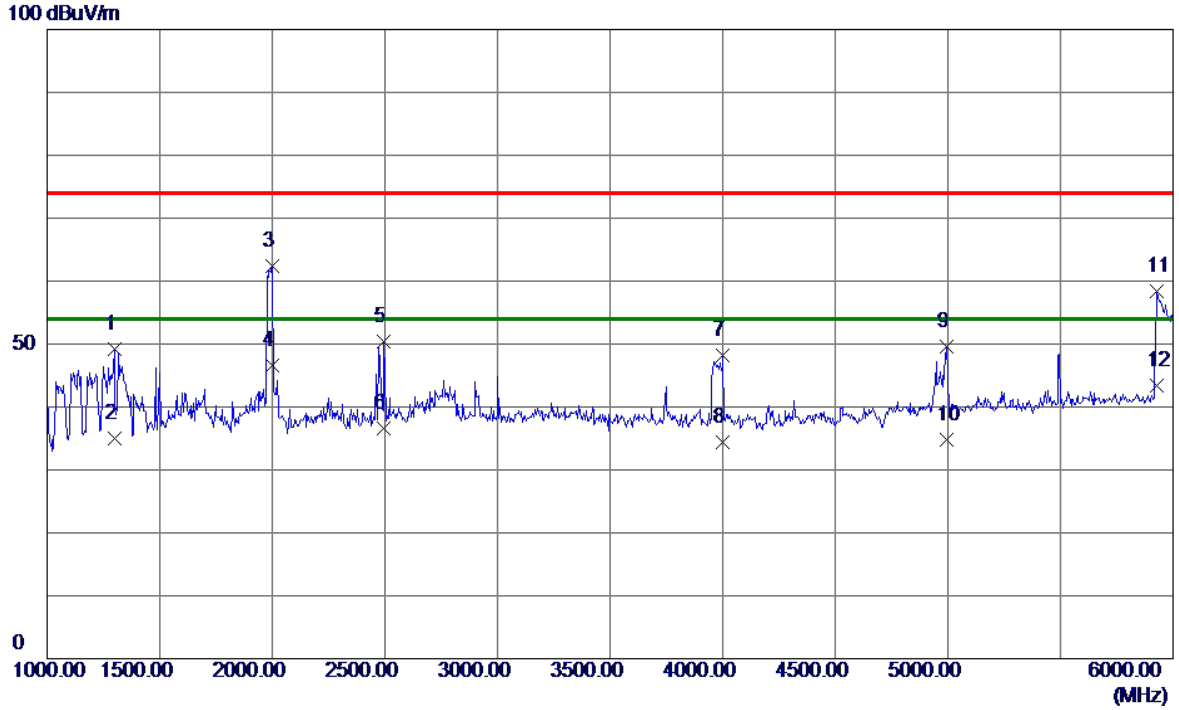
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1327.5000	58.20	-3.45	54.75	74.00	-19.25	Peak
2	1327.5000	43.68	-3.45	40.23	54.00	-13.77	AVG
3	2000.0000	63.88	-1.49	62.39	74.00	-11.61	Peak
4 *	2000.0000	44.72	-1.49	43.23	54.00	-10.77	AVG
5	2497.5000	45.53	2.12	47.65	74.00	-26.35	Peak
6	2497.5000	30.70	2.12	32.82	54.00	-21.18	AVG
7	3745.0000	41.23	5.24	46.47	74.00	-27.53	Peak
8	3745.0000	26.58	5.24	31.82	54.00	-22.18	AVG
9	4980.0000	37.71	8.23	45.94	74.00	-28.06	Peak
10	4980.0000	23.88	8.23	32.11	54.00	-21.89	AVG
11	5927.5000	45.66	10.97	56.63	74.00	-17.37	Peak
12	5927.5000	31.24	10.97	42.21	54.00	-11.79	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL2W228BCA1DN		
Test Engineer	Jason Yang		



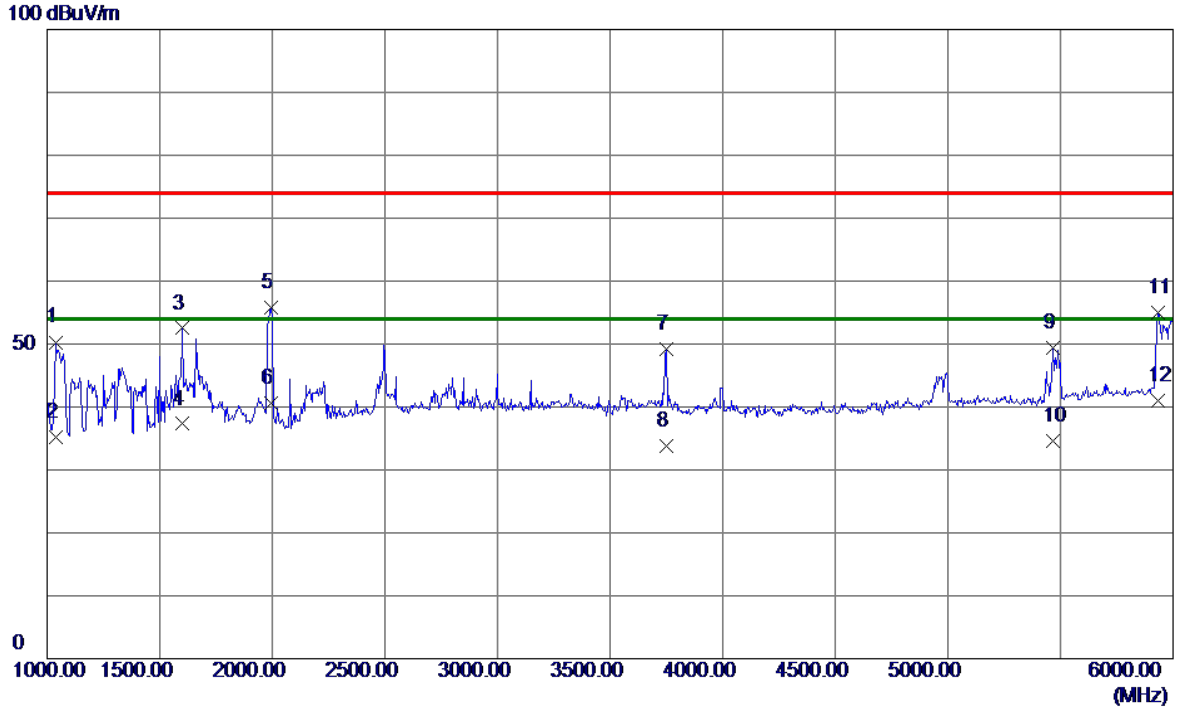
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1092.5000	58.28	-4.74	53.54	74.00	-20.46	Peak
2	1092.5000	44.58	-4.74	39.84	54.00	-14.16	AVG
3	1322.5000	61.88	-3.48	58.40	74.00	-15.60	Peak
4 *	1322.5000	48.01	-3.48	44.53	54.00	-9.47	AVG
5	1607.5000	54.55	-2.28	52.27	74.00	-21.73	Peak
6	1607.5000	40.21	-2.28	37.93	54.00	-16.07	AVG
7	1990.0000	56.28	-1.51	54.77	74.00	-19.23	Peak
8	1990.0000	42.68	-1.51	41.17	54.00	-12.83	AVG
9	2865.0000	43.70	3.44	47.14	74.00	-26.86	Peak
10	2865.0000	26.88	3.44	30.32	54.00	-23.68	AVG
11	5997.5000	44.64	11.11	55.75	74.00	-18.25	Peak
12	5997.5000	29.89	11.11	41.00	54.00	-13.00	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



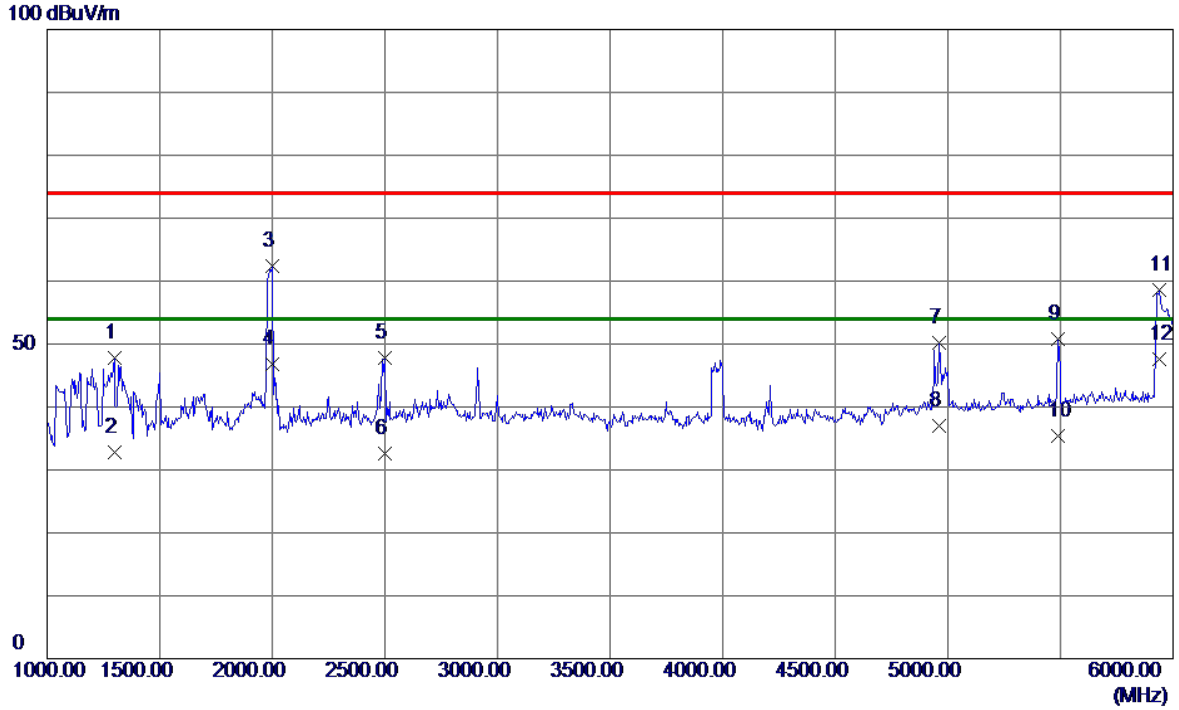
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1297.5000	52.81	-3.61	49.20	74.00	-24.80	Peak
2	1297.5000	38.60	-3.61	34.99	54.00	-19.01	AVG
3	2000.0000	63.98	-1.49	62.49	74.00	-11.51	Peak
4 *	2000.0000	48.00	-1.49	46.51	54.00	-7.49	AVG
5	2495.0000	48.33	2.10	50.43	74.00	-23.57	Peak
6	2495.0000	34.50	2.10	36.60	54.00	-17.40	AVG
7	4000.0000	42.38	5.74	48.12	74.00	-25.88	Peak
8	4000.0000	28.60	5.74	34.34	54.00	-19.66	AVG
9	4992.5000	41.41	8.27	49.68	74.00	-24.32	Peak
10	4992.5000	26.49	8.27	34.76	54.00	-19.24	AVG
11	5930.0000	47.42	10.97	58.39	74.00	-15.61	Peak
12	5930.0000	32.50	10.97	43.47	54.00	-10.53	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	D-SUB 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



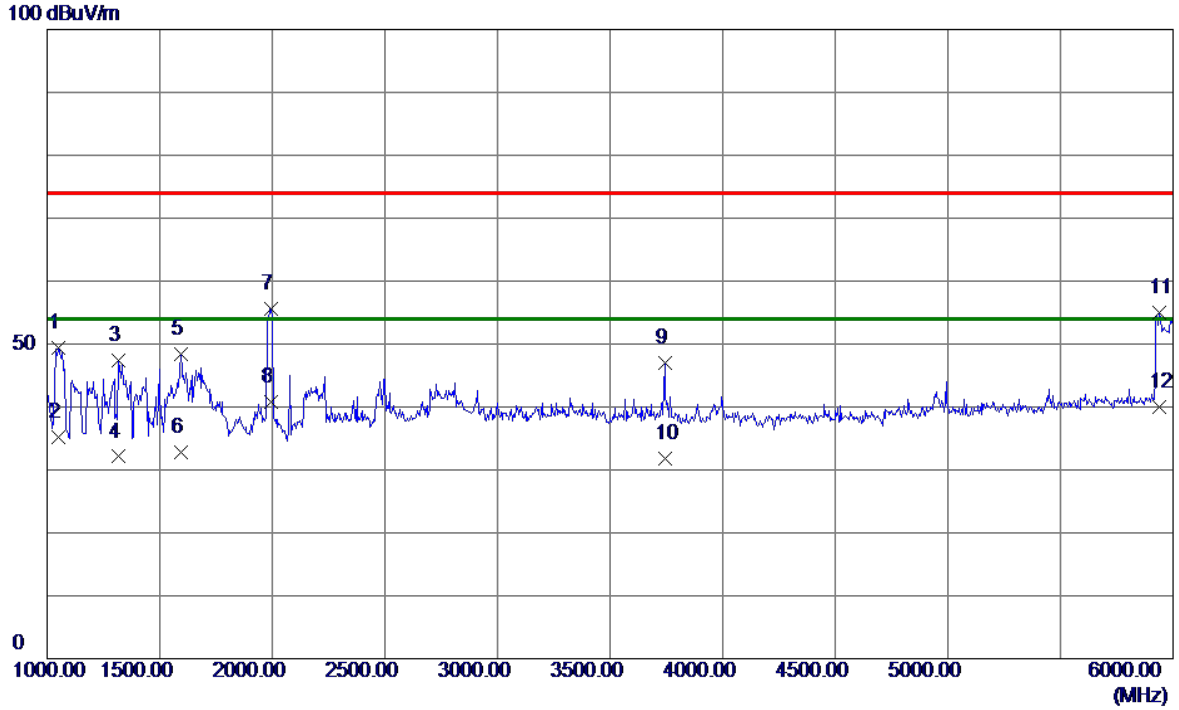
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1037.5000	55.34	-5.04	50.30	74.00	-23.70	Peak
2	1037.5000	40.29	-5.04	35.25	54.00	-18.75	AVG
3	1600.0000	54.80	-2.30	52.50	74.00	-21.50	Peak
4	1600.0000	39.60	-2.30	37.30	54.00	-16.70	AVG
5	1995.0000	57.23	-1.50	55.73	74.00	-18.27	Peak
6	1995.0000	42.10	-1.50	40.60	54.00	-13.40	AVG
7	3750.0000	43.99	5.25	49.24	74.00	-24.76	Peak
8	3750.0000	28.60	5.25	33.85	54.00	-20.15	AVG
9	5467.5000	39.35	10.00	49.35	74.00	-24.65	Peak
10	5467.5000	24.60	10.00	34.60	54.00	-19.40	AVG
11	5932.5000	44.01	10.98	54.99	74.00	-19.01	Peak
12 *	5932.5000	30.09	10.98	41.07	54.00	-12.93	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



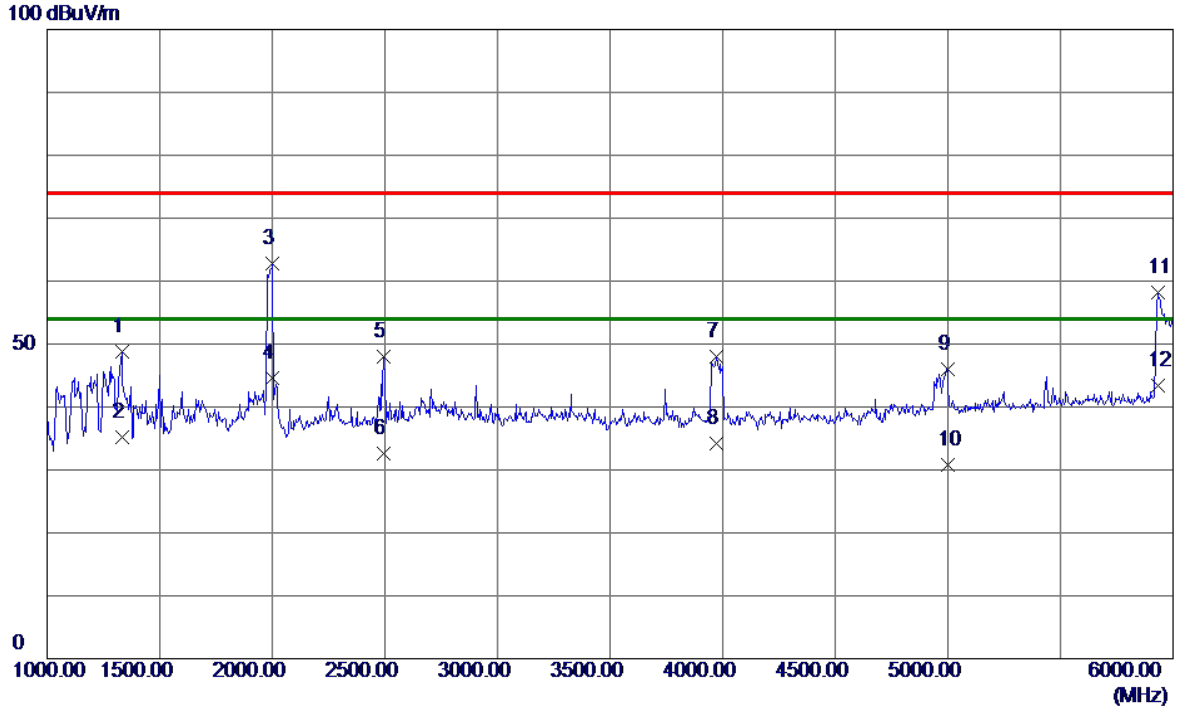
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1297.5000	51.47	-3.61	47.86	74.00	-26.14	Peak
2	1297.5000	36.50	-3.61	32.89	54.00	-21.11	AVG
3	2000.0000	63.92	-1.49	62.43	74.00	-11.57	Peak
4	2000.0000	48.30	-1.49	46.81	54.00	-7.19	AVG
5	2500.0000	45.62	2.13	47.75	74.00	-26.25	Peak
6	2500.0000	30.50	2.13	32.63	54.00	-21.37	AVG
7	4962.5000	42.04	8.17	50.21	74.00	-23.79	Peak
8	4962.5000	28.91	8.17	37.08	54.00	-16.92	AVG
9	5490.0000	40.67	10.08	50.75	74.00	-23.25	Peak
10	5490.0000	25.31	10.08	35.39	54.00	-18.61	AVG
11	5940.0000	47.66	10.99	58.65	74.00	-15.35	Peak
12 *	5940.0000	36.64	10.99	47.63	54.00	-6.37	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



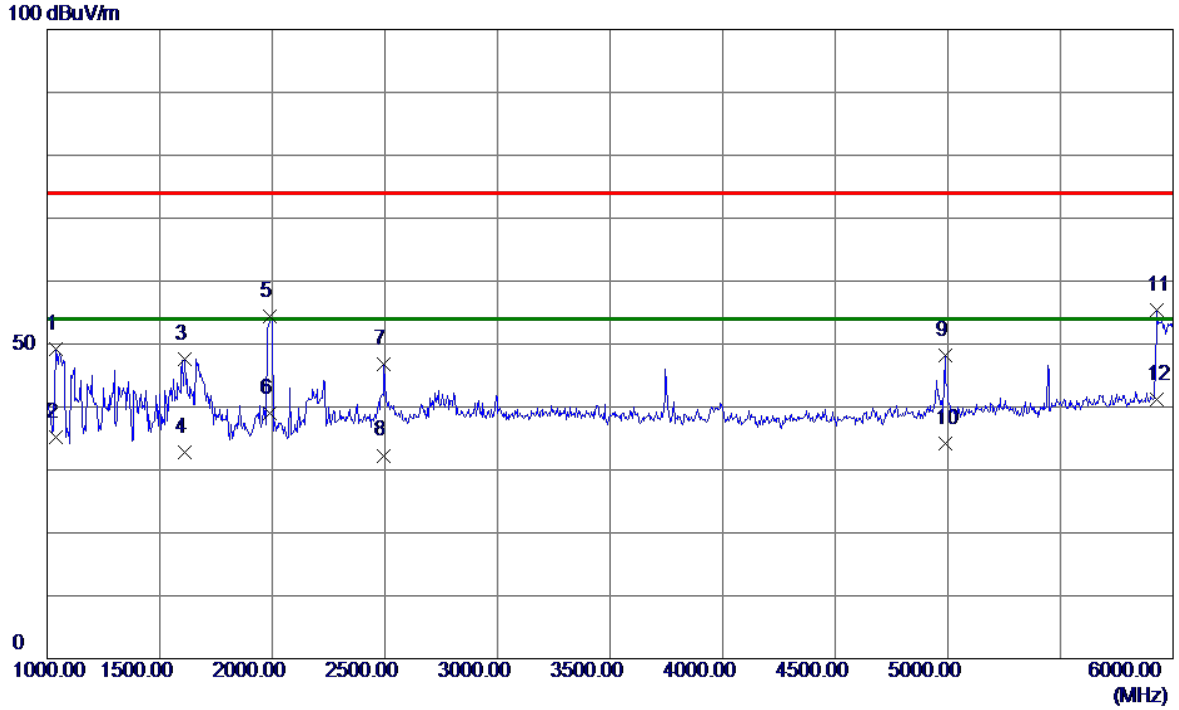
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1052.5000	54.45	-4.96	49.49	74.00	-24.51	Peak
2	1052.5000	40.20	-4.96	35.24	54.00	-18.76	AVG
3	1317.5000	50.97	-3.50	47.47	74.00	-26.53	Peak
4	1317.5000	35.60	-3.50	32.10	54.00	-21.90	AVG
5	1592.5000	50.79	-2.31	48.48	74.00	-25.52	Peak
6	1592.5000	35.20	-2.31	32.89	54.00	-21.11	AVG
7	1992.5000	57.16	-1.51	55.65	74.00	-18.35	Peak
8 *	1992.5000	42.31	-1.51	40.80	54.00	-13.20	AVG
9	3742.5000	41.86	5.23	47.09	74.00	-26.91	Peak
10	3742.5000	26.50	5.23	31.73	54.00	-22.27	AVG
11	5940.0000	43.97	10.99	54.96	74.00	-19.04	Peak
12	5940.0000	29.09	10.99	40.08	54.00	-13.92	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



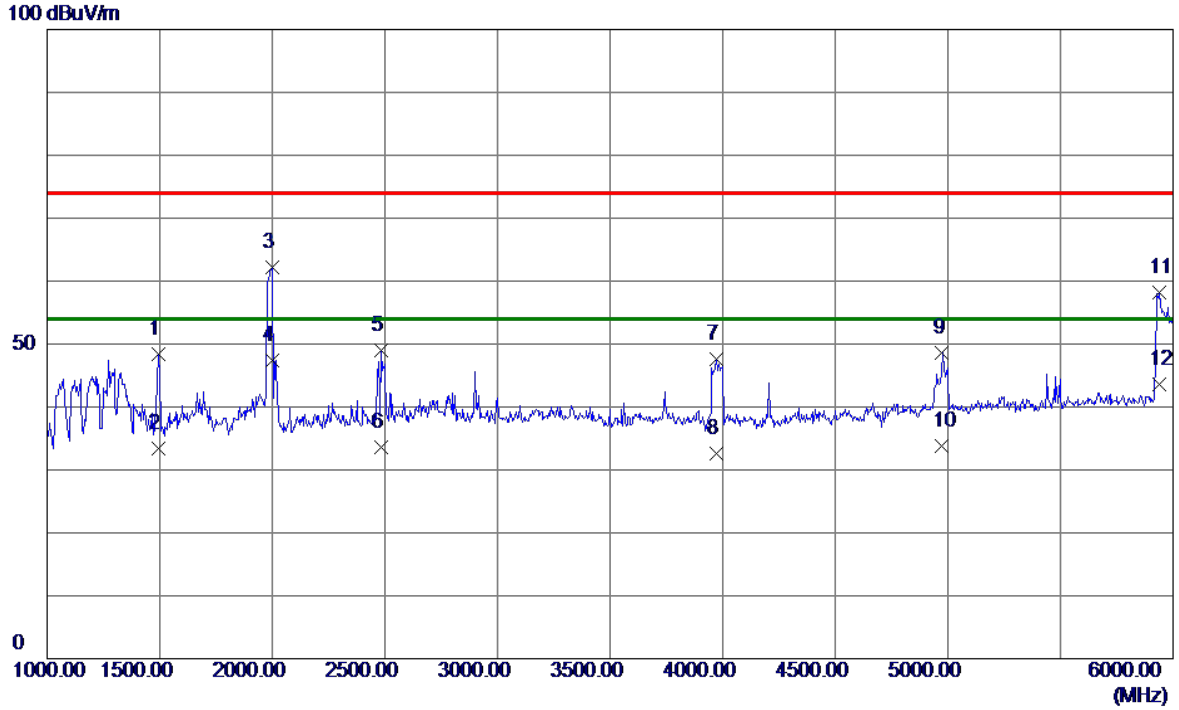
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1332.5000	52.15	-3.42	48.73	74.00	-25.27	Peak
2	1332.5000	38.59	-3.42	35.17	54.00	-18.83	AVG
3	2000.0000	64.34	-1.49	62.85	74.00	-11.15	Peak
4 *	2000.0000	46.08	-1.49	44.59	54.00	-9.41	AVG
5	2492.5000	45.96	2.08	48.04	74.00	-25.96	Peak
6	2492.5000	30.51	2.08	32.59	54.00	-21.41	AVG
7	3970.0000	42.40	5.68	48.08	74.00	-25.92	Peak
8	3970.0000	28.60	5.68	34.28	54.00	-19.72	AVG
9	4997.5000	37.78	8.28	46.06	74.00	-27.94	Peak
10	4997.5000	22.60	8.28	30.88	54.00	-23.12	AVG
11	5932.5000	47.25	10.98	58.23	74.00	-15.77	Peak
12	5932.5000	32.49	10.98	43.47	54.00	-10.53	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.5m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



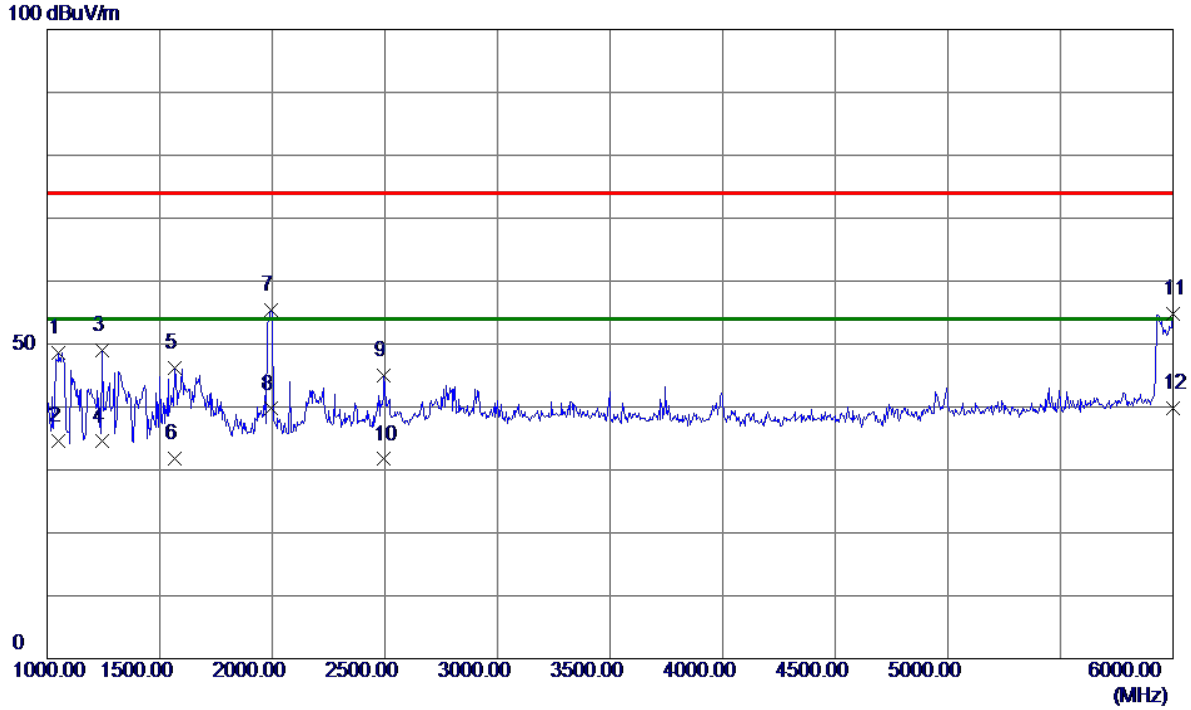
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1040.0000	54.16	-5.03	49.13	74.00	-24.87	Peak
2	1040.0000	40.30	-5.03	35.27	54.00	-18.73	AVG
3	1612.5000	49.85	-2.27	47.58	74.00	-26.42	Peak
4	1612.5000	35.10	-2.27	32.83	54.00	-21.17	AVG
5	1990.0000	55.86	-1.51	54.35	74.00	-19.65	Peak
6	1990.0000	40.49	-1.51	38.98	54.00	-15.02	AVG
7	2495.0000	44.77	2.10	46.87	74.00	-27.13	Peak
8	2495.0000	30.20	2.10	32.30	54.00	-21.70	AVG
9	4987.5000	40.00	8.25	48.25	74.00	-25.75	Peak
10	4987.5000	25.90	8.25	34.15	54.00	-19.85	AVG
11	5930.0000	44.41	10.97	55.38	74.00	-18.62	Peak
12 *	5930.0000	30.20	10.97	41.17	54.00	-12.83	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



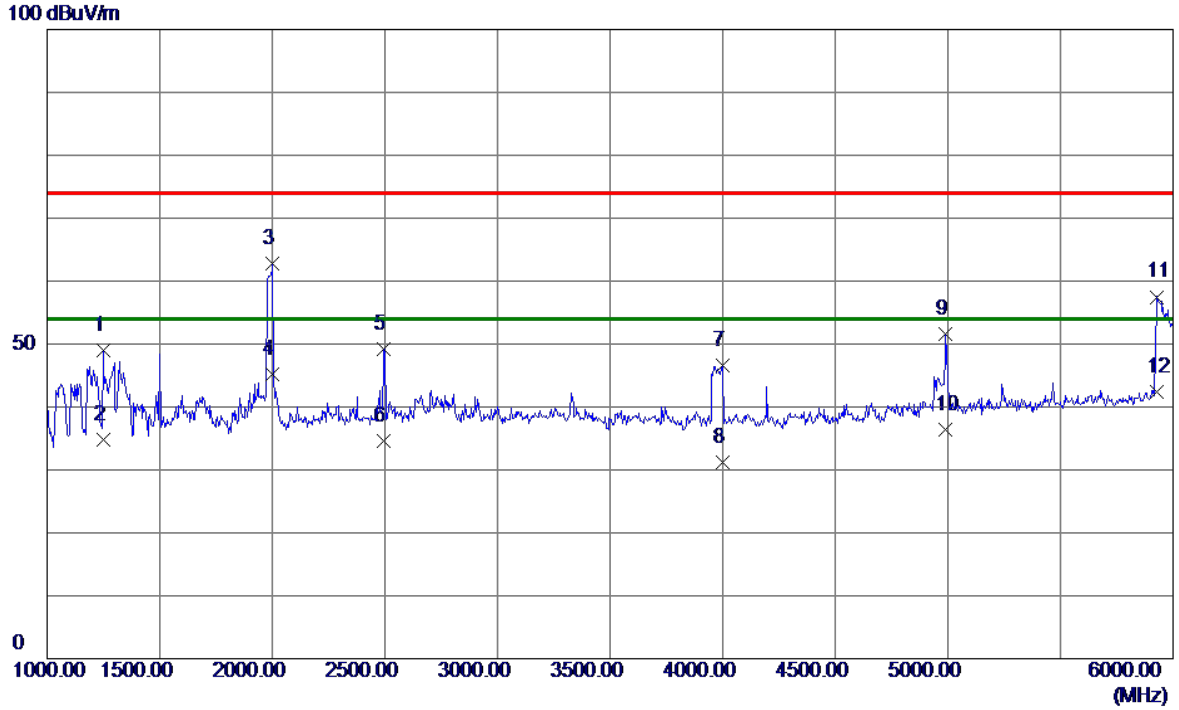
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1492.5000	50.92	-2.54	48.38	74.00	-25.62	Peak
2	1492.5000	35.90	-2.54	33.36	54.00	-20.64	AVG
3	2000.0000	63.75	-1.49	62.26	74.00	-11.74	Peak
4 *	2000.0000	48.90	-1.49	47.41	54.00	-6.59	AVG
5	2485.0000	47.02	2.03	49.05	74.00	-24.95	Peak
6	2485.0000	31.50	2.03	33.53	54.00	-20.47	AVG
7	3972.5000	41.94	5.69	47.63	74.00	-26.37	Peak
8	3972.5000	26.89	5.69	32.58	54.00	-21.42	AVG
9	4975.0000	40.36	8.21	48.57	74.00	-25.43	Peak
10	4975.0000	25.61	8.21	33.82	54.00	-20.18	AVG
11	5940.0000	47.14	10.99	58.13	74.00	-15.87	Peak
12	5940.0000	32.59	10.99	43.58	54.00	-10.42	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1920*1080/60Hz		
Note	Cable:1.2m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



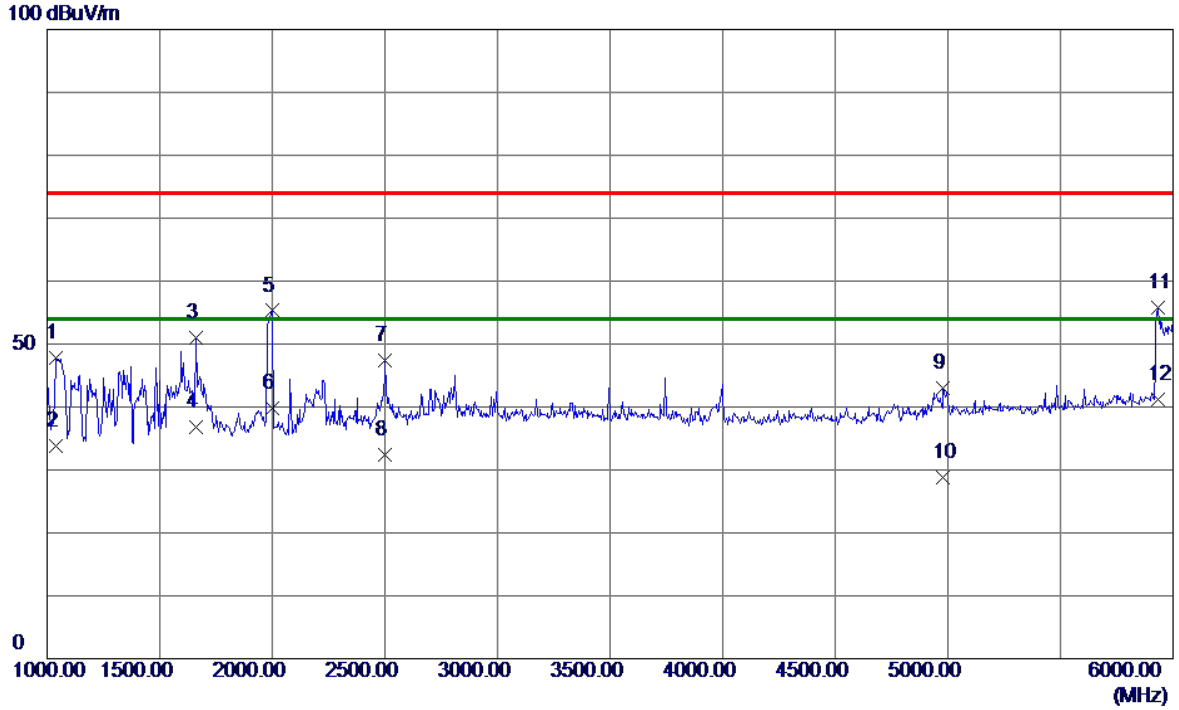
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1050.0000	53.54	-4.98	48.56	74.00	-25.44	Peak
2	1050.0000	39.60	-4.98	34.62	54.00	-19.38	AVG
3	1245.0000	52.93	-3.90	49.03	74.00	-24.97	Peak
4	1245.0000	38.40	-3.90	34.50	54.00	-19.50	AVG
5	1565.0000	48.48	-2.37	46.11	74.00	-27.89	Peak
6	1565.0000	34.21	-2.37	31.84	54.00	-22.16	AVG
7	1992.5000	56.92	-1.51	55.41	74.00	-18.59	Peak
8	1992.5000	41.21	-1.51	39.70	54.00	-14.30	AVG
9	2495.0000	42.95	2.10	45.05	74.00	-28.95	Peak
10	2495.0000	29.60	2.10	31.70	54.00	-22.30	AVG
11	5997.5000	43.69	11.11	54.80	74.00	-19.20	Peak
12 *	5997.5000	28.70	11.11	39.81	54.00	-14.19	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1247.5000	52.80	-3.89	48.91	74.00	-25.09	Peak
2	1247.5000	38.60	-3.89	34.71	54.00	-19.29	AVG
3	2000.0000	64.25	-1.49	62.76	74.00	-11.24	Peak
4 *	2000.0000	46.60	-1.49	45.11	54.00	-8.89	AVG
5	2495.0000	47.16	2.10	49.26	74.00	-24.74	Peak
6	2495.0000	32.50	2.10	34.60	54.00	-19.40	AVG
7	3997.5000	40.86	5.73	46.59	74.00	-27.41	Peak
8	3997.5000	25.41	5.73	31.14	54.00	-22.86	AVG
9	4990.0000	43.25	8.26	51.51	74.00	-22.49	Peak
10	4990.0000	28.10	8.26	36.36	54.00	-17.64	AVG
11	5930.0000	46.53	10.97	57.50	74.00	-16.50	Peak
12	5930.0000	31.50	10.97	42.47	54.00	-11.53	AVG

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	HDMI 1080P		
Note	Cable:1.8m;HDL1DM28BCA2DN		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1040.0000	52.90	-5.03	47.87	74.00	-26.13	Peak
2	1040.0000	38.90	-5.03	33.87	54.00	-20.13	AVG
3	1662.5000	53.14	-2.17	50.97	74.00	-23.03	Peak
4	1662.5000	38.90	-2.17	36.73	54.00	-17.27	AVG
5	2000.0000	56.79	-1.49	55.30	74.00	-18.70	Peak
6	2000.0000	41.20	-1.49	39.71	54.00	-14.29	AVG
7	2500.0000	45.18	2.13	47.31	74.00	-26.69	Peak
8	2500.0000	30.20	2.13	32.33	54.00	-21.67	AVG
9	4980.0000	34.69	8.23	42.92	74.00	-31.08	Peak
10	4980.0000	20.50	8.23	28.73	54.00	-25.27	AVG
11	5932.5000	44.87	10.98	55.85	74.00	-18.15	Peak
12 *	5932.5000	30.19	10.98	41.17	54.00	-12.83	AVG

4.3 VOLTAGE DIPS, SHORT INTERRUPTIONS AND VOLTAGE VARIATIONS IMMUNITY TEST

4.3.1 TEST SPECIFICATION

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

4.3.2MEASUREMENT 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. 20, 2018
2	Measurement Software	Teseq	Win 3000 Version 1.2.0	N/A	N/A

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

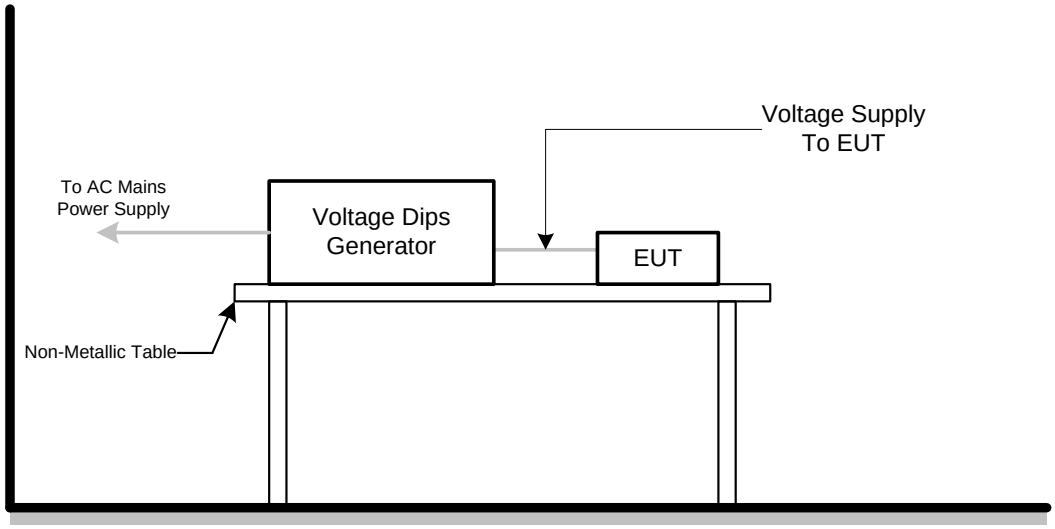
4.3.3 TEST PROCEDURE

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.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP



4.3.6 TEST RESULTS

EUT	LCD Monitor	Model Name	24B1
Temperature	25°C	Relative Humidity	50%
Test Voltage	AC 120V/60Hz, AC 230V/50Hz, AC 240V/50Hz		
Test Mode	HDMI 1920*1080/60Hz		
Note	HDL1DM28BCA2DN ; HDL2W228BCA1DN		

AC 120V/60Hz				
VoltageReduction	Periods	Criteria	Results	Judgment
Voltage dip ＞95%	0.5	B	A	PASS
Voltage dip 30%	25	C	A	PASS
Interruption＞95%	250	C	C	PASS

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

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

Note:

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

2) Criterion A: No observation of any performance degradation.

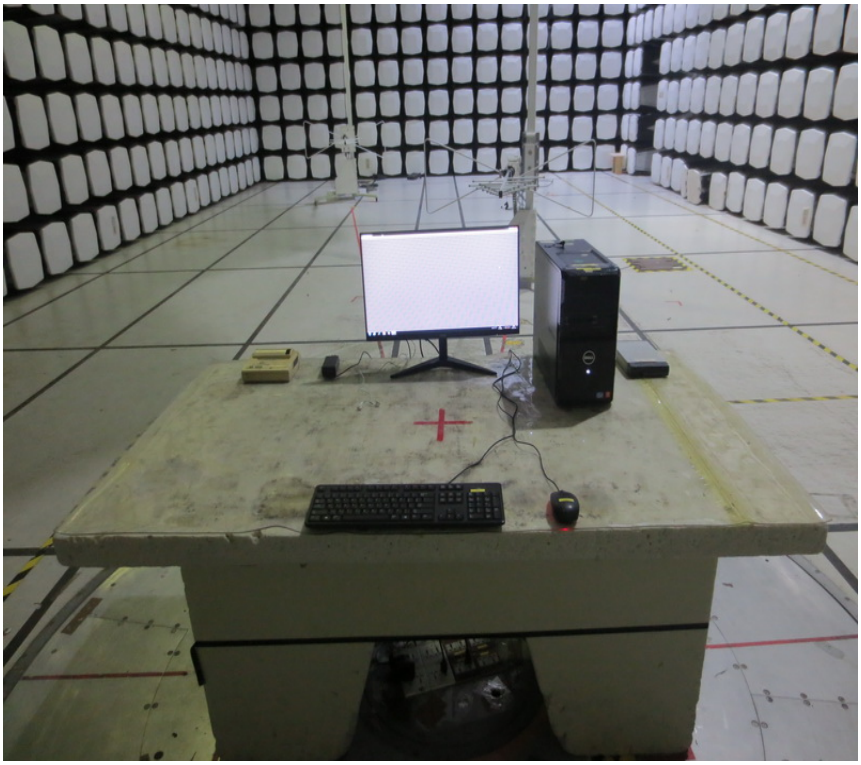
3) Criterion B: Some degradation of performance is observed but the equipment continues to operate as intended.

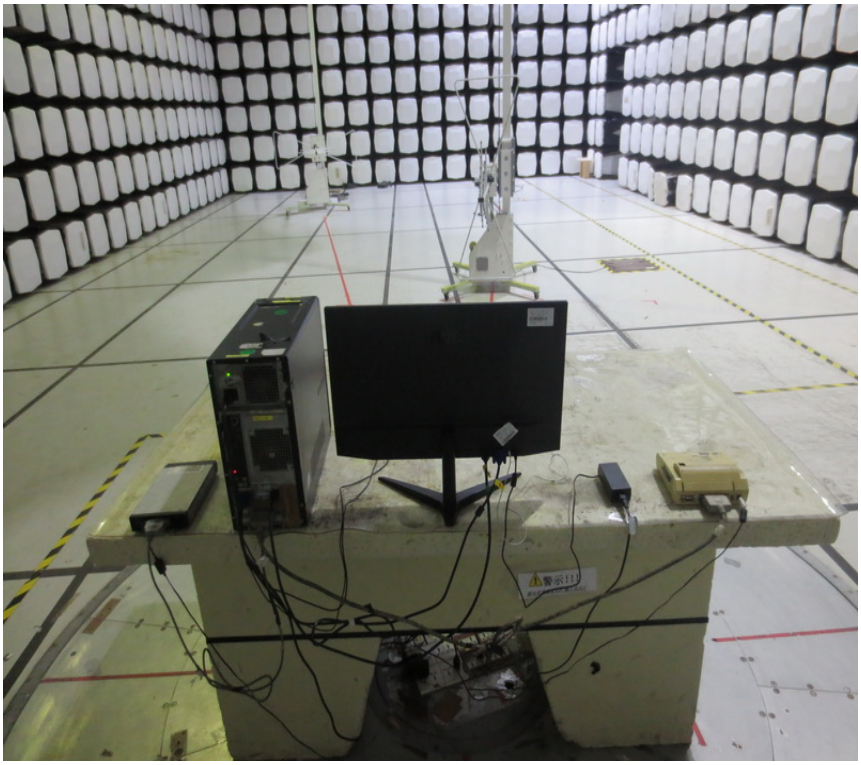
4) Criterion C: Loss of functionality, but self-recoverable by user, without loss of information or settings.

5. EUT TEST PHOTO

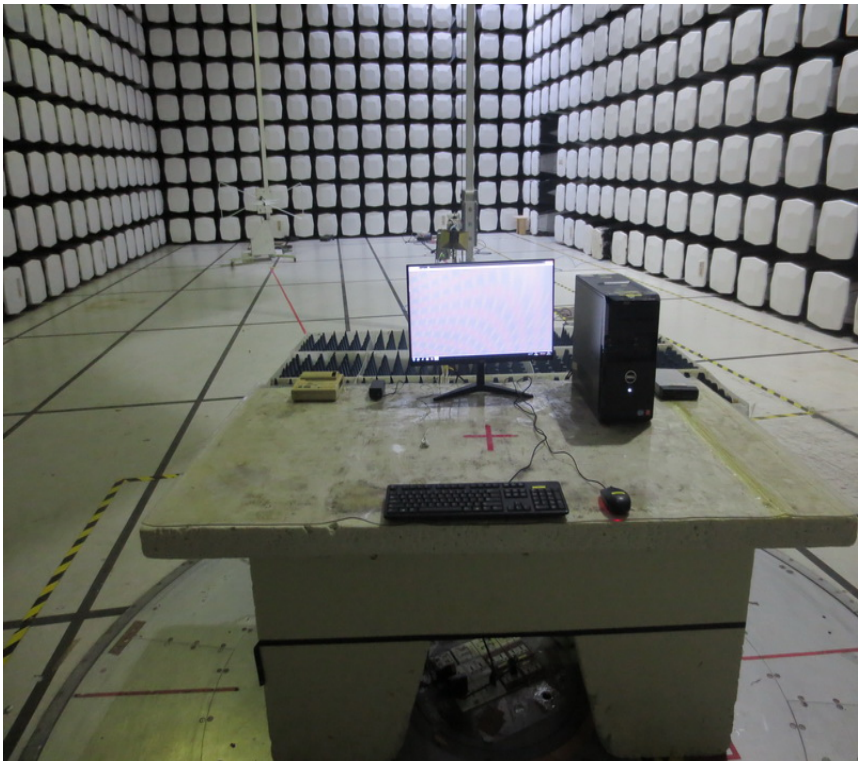
Conducted Emission

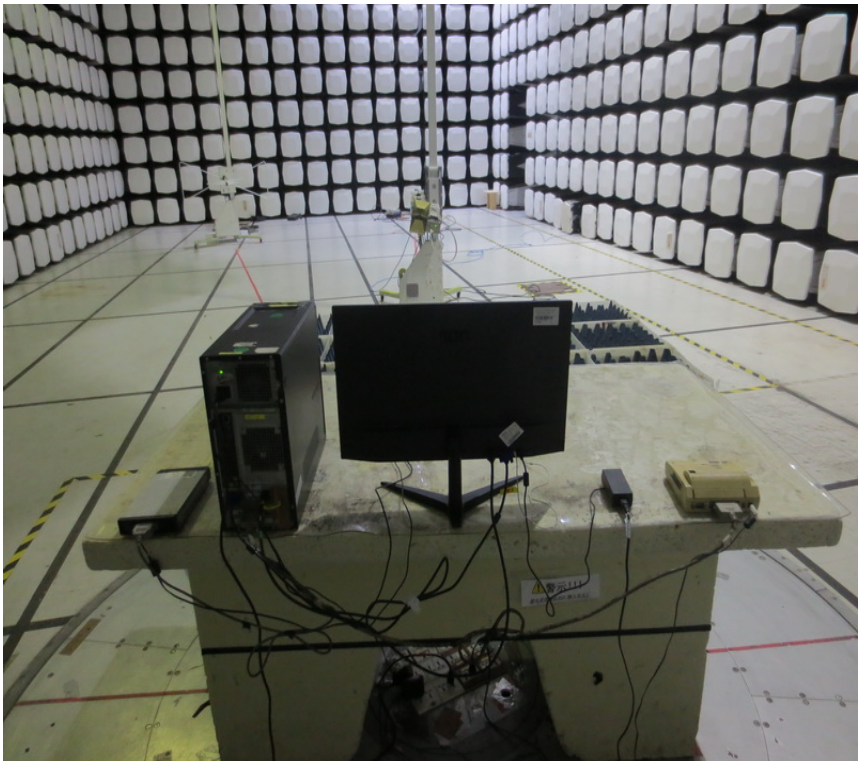
Radiated emission below 1 GHz





Radiated emission above 1 GHz





Voltage dips, short interruptions and voltage variations immunity