EMC TEST REPORT

Authorized under **D**eclaration **o**f **C**onformity

According to

EN 55032: 2012+AC 2013
EN 61000-3-2 : 2014
EN 61000-3-3 : 2013
CISPR 32 : 2012
AS/NZS CISPR 32 : 2013

EN 55024 : 2010
IEC 61000-4-2 : 2008
IEC 61000-4-3 : 2006+A1:2007+A2:2010
IEC 61000-4-4 : 2012
IEC 61000-4-5 : 2014
IEC 61000-4-6 : 2013
IEC 61000-4-8 : 2009
IEC 61000-4-11 : 2004

Applicant	:	TPV Electronics (Fujian) Co., Ltd.
Address	:	Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China
Equipment	:	LCD Monitor
Model No.	:	315LM000**; *3279***** The “*” could be any alphanumeric character including blank for marketing differentiation.

I HEREBY CERTIFY THAT :

The sample was received on Aug 03, 2016 and the testing was carried out on Aug. 09, 2016 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

EMC TEST REPORT

Issued by:

Cerpass Technology (Suzhou) Co.,Ltd

No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China

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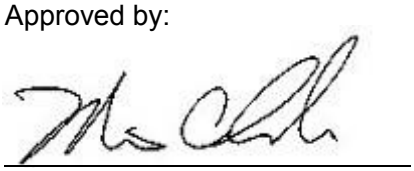
The test record, data evaluation & Equipment Under Test configurations represented herein are true and accurate accounts of the measurements of the samples EMC characteristics under the conditions specified in this report.

The above equipment was tested by Cerpass Technology Corp. for compliance with the requirements of technical standards specified above under the EMC Directive.
The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties

Approved by:



Miro Chueh
EMC/RF B.U. Manager

Laboratory Accreditation:

☐ Cerpass Technology Corporation Test Laboratory

NVLAP LAB Code:	**200954-0**
TAF LAB Code:	**1439**

☒ Cerpass Technology(SuZhou) Co., Ltd.

NVLAP LAB Code:	**200814-0**
CNAS LAB Code:	**L5515**

Contents

History of this test report

■ ORIGINAL.

☐ Additional attachment as following record:

Report No	Version	Date	Description
SECE1607172	Rev 01	Aug 10, 2016	Initial Issue

1. Summary of Test Procedure and Test Results

EMISSION【EN55032 】			
Standard	**Item**	**Result**	**Remarks**
EN55032: 2012+AC 2013 AS/NZS CISPR 32 : 2013 CISPR 32 : 2012	Conducted (Power Port)	PASS	Meet Class B Limit Minimum passing margin(AV) is -9.75 dB at 4.9820MHz
	Conducted (Telecom port)	N/A	N/A
	Radiated	PASS	Meets Class B Limit Minimum passing margin(QP) is -4.02 dB at 425.1600MHz
EN 61000-3-2: 2014	Harmonic current emissions	PASS	Meet Class D Limit
EN61000-3-3:2013	Voltage fluctuations & flicker	PASS	Meets the requirements

IMMUNITY [EN 55024:2010]			
Standard	**Item**	**Result**	**Remarks**
IEC 61000-4-2: 2008	ESD	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-3: 2006+A1:2007+A2:2010	RS	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-4: 2012	EFT	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-5:2014	Surge	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-6:2013	CS	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-8:2009	PFMF	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-11:2004	Voltage dips & voltage variations	PASS	Meets the requirements of Voltage Dips: 1) >95% reduction Performance Criterion B 2) 30% reduction Performance Criterion B Voltage Interruptions: 1) >95% reduction Performance Criterion C

2. Immunity Testing Performance Criteria Definition

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

3. Test Configuration of Equipment under Test

3.1. Feature of Equipment under Test

Product Name:	LCD Monitor
Model Name:	315LM000**; *3279***** The "*" could be any alphanumeric character including blank for marketing differentiation.
Housing material:	Plastic case
EUT Highest Frequency:	297MHz
EUT Power Rating:	Input:100-240V~1.5A, 50-60Hz 3Pin Power Port
AC Power Cord Type:	Non-shielded, 1.2m&1.5m&1.8m

Note: Please refer to user manual.

I/O PORT:

Main board 1#:715G8366

I/O PORT TYPE	Quantity
1). DVI Port	1
2). VGA Port	1

Main board 2#:715G8362

I/O PORT TYPE	Quantity
1). DVI Port	1
2). VGA Port	1
3). HDMI Port	1
4). Display Port	1
5). Audio Port	1

3.2. Test Manner

a. During testing, the interface cables and equipment positions were varied according to Europe Standard.

b. An executive program, “MyHwin” under Win 7, which generates a complete line of continuously repeating “H” pattern was used as the test software.

The program was executed as follows:

1. Turn on the power of all equipment.
2. The EUT reads the test program from the hard disk drive and runs it.
3. PC sends “H” messages to the EUT, and the monitor displays “H” patterns on the screen.
4. Repeat the steps from 2 to 3.

c. The complete test system included PC, USB Keyboard, USB Mouse, Earphone and EUT for EMI&EMS test.

d. The test modes as follow for main board 1#

Test Mode 1	Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)
Test Mode 2	Full system (VGA mode 1280*1024@75Hz) (110V/60Hz)
Test Mode 3	Full system (VGA mode 640*480@60Hz) (110V/60Hz)
Test Mode 4	Full system (DVI mode 1920*1080@60Hz) (110V/60Hz)
Test Mode 5	Full system (DVI mode 1280*1024@75Hz) (110V/60Hz)
Test Mode 6	Full system (DVI mode 640*480@60Hz) (110V/60Hz)
Test Mode 7	Full system (1080P from DVD Mode) (110V/60Hz)
Test Mode 8	Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)
Test Mode 9	Full system (VGA mode 1280*1024@75Hz) (230V/50Hz)
Test Mode 10	Full system (VGA mode 640*480@60Hz) (230V/50Hz)
Test Mode 11	Full system (DVI mode 1920*1080@60Hz) (230V/50Hz)
Test Mode 12	Full system (DVI mode 1280*1024@75Hz) (230V/50Hz)
Test Mode 13	Full system (DVI mode 640*480@60Hz) (230V/50Hz)
Test Mode 14	Full system (1080P from DVD Mode) (230V/50Hz)

“Test mode 1,4,8,11” were reported as final data.

The test modes as follow for main board 2#

Test Mode 1	Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)
Test Mode 2	Full system (VGA mode 1280*1024@75Hz) (110V/60Hz)
Test Mode 3	Full system (VGA mode 640*480@60Hz) (110V/60Hz)
Test Mode 4	Full system (DVI mode 2560*1440@75Hz) (110V/60Hz)
Test Mode 5	Full system (DVI mode 1280*1024@75Hz) (110V/60Hz)

Test Mode 6	Full system (DVI mode 640*480@60Hz) (110V/60Hz)
Test Mode 7	Full system (HDMI mode 2560*1440@75Hz) (110V/60Hz)
Test Mode 8	Full system (HDMI mode 1280*1024@75Hz) (110V/60Hz)
Test Mode 9	Full system (HDMI mode 640*480@60Hz) (110V/60Hz)
Test Mode 10	Full system (Display mode 2560*1440@75Hz) (110V/60Hz)
Test Mode 11	Full system (Display mode 1280*1024@75Hz) (110V/60Hz)
Test Mode 12	Full system (Display mode 640*480@60Hz) (110V/60Hz)
Test Mode 13	Full system (1080P from DVD Mode) (110V/60Hz)
Test Mode 14	Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)
Test Mode 15	Full system (VGA mode 1280*1024@75Hz) (230V/50Hz)
Test Mode 16	Full system (VGA mode 640*480@60Hz) (230V/50Hz)
Test Mode 17	Full system (DVI mode 2560*1440@75Hz) (230V/50Hz)
Test Mode 18	Full system (DVI mode 1280*1024@75Hz) (230V/50Hz)
Test Mode 19	Full system (DVI mode 640*480@60Hz) (230V/50Hz)
Test Mode 20	Full system (HDMI mode 2560*1440@75Hz) (230V/50Hz)
Test Mode 21	Full system (HDMI mode 1280*1024@75Hz) (230V/50Hz)
Test Mode 22	Full system (HDMI mode 640*480@60Hz) (230V/50Hz)
Test Mode 23	Full system (Display mode 2560*1440@75Hz) (230V/50Hz)
Test Mode 24	Full system (Display mode 1280*1024@75Hz) (230V/50Hz)
Test Mode 25	Full system (Display mode 640*480@60Hz) (230V/50Hz)
Test Mode 26	Full system (1080P from DVD Mode) (230V/50Hz)

"Test mode 1,4,7,10,14,17,20,23" were reported as final data.

e. The maximum operating frequency is above 108MHz, the test frequency range is from 1GHz to 6GHz.

3.3. Description of Support Unit

Main board #1

No.	Device	Manufacturer	Model No.	Description
1	PC	HP	HP Compaq Elite 8200 MTPC	Non-Shielded ,1.8m(R33001)
2	USB Keyboard	DELL	SK-8115	T3A002
3	USB Mouse	DELL	G0K02XYK	R41108

No.	Cable	Quantity	Description
A	USB Cable	1	Shielded, 1.8m, with one ferrite core bonded
B	USB Cable	1	Shielded, 1.5m
C	VGA Cable	1	Shielded, 1.2m&1.5m&1.8m, with two ferrite core bonded
D	DVI Cable	1	Shielded, 1.2m&1.5m&1.8m, with two ferrite core bonded

Main board #2

No.	Device	Manufacturer	Model No.	Description
1	PC	HP	HP Compaq Elite 8200 MTPC	Non-Shielded ,1.8m(R33001)
2	USB Keyboard	DELL	SK-8115	T3A002
3	USB Mouse	DELL	G0K02XYK	R41108
4	Earphone	EDIFIER	N/A	N/A

No.	Cable	Quantity	Description
A	USB Cable	1	Shielded, 1.8m, with one ferrite core bonded
B	USB Cable	1	Shielded, 1.5m
C	Audio Cable	1	Non-Shielded, 1.8m
D	VGA Cable	1	Shielded, 1.2m&1.5m&1.8m, with two ferrite core bonded
E	HDMI Cable	1	Shielded, 1.2m&1.5m&1.8m
F	DVI Cable	1	Shielded, 1.2m&1.5m&1.8m, with two ferrite core bonded
G	Display Cable	1	Shielded, 1.2m&1.5m&1.8m,

3.4. General Information of Test

☐	Test Site	**Cerpass Technology Corporation Test Laboratory** Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881 Address: No.68-1, Shihbachongsi, Shihding Township, New Taipei City 223, Taiwan, R.O.C. Tel: +886-2-2663-8582
	FCC	TW1079, TW1061,390316, 228391, 641184
	IC	4934B-1, 4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication Test C-4663 for Conducted emission test R-3428, R-4218 for Radiated emission test G-812, G-813 for radiated disturbance above 1GHz
☒	Test Site	**Cerpass Technology (Suzhou) Co.,Ltd** Address: No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China Tel: +86-512-6917-5888 Fax: +86-512-6917-5666
	FCC	331395
	IC	7290A-1, 7290A-2
	VCCI	T-1945 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test G-227 for radiated disturbance above 1GHz
Frequency Range Investigated:		Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 6000MHz
Test Distance :		The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission above 1GHz from antenna to EUT is 3 M.

3.5. 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:

Measurement	Frequency	Uncertainty
Conducted emissions(LINE)	9KHz-30MHz	+/- 0.7738 dB
Conducted emissions(NEUTRAL)	9KHz-30MHz	+/- 0.7886 dB

Measurement	Polarity	Frequency	Uncertainty
Radiated emissions (below 1GHz)	H	30MHz ~ 200MHz	+/- 3.8909dB
		200MHz ~1000MHz	+/- 3.6555dB
	V	30MHz ~ 200MHz	+/- 3.8948dB
		200MHz ~1000MHz	+/- 3.6538dB
Radiated emissions (above 1GHz)	H	1000MHz ~18000MHz	+/- 3.8948 dB
		18000MHz ~40000MHz	+/-3.8844dB
	V	1000MHz ~18000MHz	+/- 3.8906dB
		18000MHz ~40000MHz	+/- 3.8744dB

Measurement	Uncertainty
ESD—Rise time tr	10%
ESD—Peak current Ip	6%
ESD—Current at 30 ns	6%
ESD—Current at 60 ns	6%
ESD- Charging voltage	1%
RS above 1GHz	±2.37dB
RS under 1GHz	±3.83dB
EFT—Rise time tr	4%
EFT—Peak current Ip	4%
EFT—Current	4%
Surge—Rise time tr	4%
Surge—Peak current Ip	4%

Surge—Current	4%
CS-CND	±0.80dB
CS-Clamp	±1.06dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2008, clause 11, Measurement Uncertainty) determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

4. Test of Conducted Emission

4.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 kHz and return leads of the EUT according to the methods defined in European Standard EN 55032.

Table A.8 – Requirements for conducted emissions from the AC mains power ports of Class A equipment

Applicable to 1. AC mains power ports (3.1.1)				
Table clause	**Frequency range** MHz	**Coupling device** (see Table A.7)	**Detector type / bandwidth**	**Class A limits dB(µV)**
A8.1	0,15 – 0,5	AMN	Quasi Peak / 9 kHz	79
	0,5 – 30			73
A8.2	0,15 – 0,5	AMN	Average / 9 kHz	66
	0,5 – 30			60
NOTE Apply A8.1 and A8.2 across the entire frequency range.				

Table A.9 – Requirements for conducted emissions from the AC mains power ports of Class B equipment

Applicable to 1. AC mains power ports (3.1.1)				
Table clause	**Frequency range** MHz	**Coupling device** (see Table A.7)	**Detector type / bandwidth**	**Class B limits dB(µV)**
A9.1	0,15 – 0,5	AMN	Quasi Peak / 9 kHz	66 – 56
	0,5 – 5			56
	5 – 30			60
A9.2	0,15 – 0,5	AMN	Average / 9 kHz	56 – 46
	0,5 – 5			46
	5 – 30			50
NOTE Apply A9.1 and A9.2 across the entire frequency range.				

Table A.10 – Requirements for asymmetric mode conducted emissions from Class A equipment

Applicable to

1. wired network ports (3.1.30)
2. optical fibre ports (3.1.24) with metallic shield or tension members
3. antenna ports (3.1.3)

Table clause	Frequency range MHz	Coupling device (see Table A.7)	Detector type / bandwidth	Class A voltage limits dB(µV)	Class A current limits dB(µA)
A10.1	0,15 – 0,5	AAN	Quasi Peak / 9 kHz	97 – 87	n/a
	0,5 – 30			87	
	0,15 – 0,5	AAN	Average / 9 kHz	84 – 74	
	0,5 – 30			74	
A10.2	0,15 – 0,5	CVP and current probe	Quasi Peak / 9 kHz	97 – 87	53 – 43
	0,5 – 30			87	43
	0,15 – 0,5	CVP and current probe	Average / 9 kHz	84 – 74	40 – 30
	0,5 – 30			74	30
A10.3	0,15 – 0,5	Current Probe	Quasi Peak / 9 kHz	n/a	53 – 43
	0,5 – 30				43
	0,15 – 0,5	Current Probe	Average / 9 kHz		40 – 30
	0,5 – 30				30

NOTE 1 The choice of coupling device and measurement procedure is defined in Annex C.

NOTE 2 AC mains power ports shall meet the limits given in Table A.8.

NOTE 3 The test shall cover the entire frequency range.

NOTE 4 The application of the voltage and/or current limits is dependent on the measurement procedure used. Refer to Table C.1 for applicability.

NOTE 5 Testing is required at only one EUT supply voltage and frequency.

NOTE 6 Applicable to ports listed above and intended to connect to cables longer than 3 m.

Table A.11 – Requirements for asymmetric mode conducted emissions from Class B equipment

Applicable to

1. wired network ports (3.1.30)
2. optical fibre ports (3.1.24) with metallic shield or tension members
3. broadcast receiver tuner ports (3.1.8)
4. antenna ports (3.1.3)

Table clause	Frequency range MHz	Coupling device (see Table A.7)	Detector type / bandwidth	Class B voltage limits dB(µV)	Class B current limits dB(µA)
A11.1	0,15 – 0,5	AAN	Quasi Peak / 9 kHz	84 – 74	n/a
	0,5 – 30			74	
	0,15 – 0,5	AAN	Average / 9 kHz	74 – 64	
	0,5 – 30			64	
A11.2	0,15 – 0,5	CVP and current probe	Quasi Peak / 9 kHz	84 – 74	40 – 30
	0,5 – 30			74	30
	0,15 – 0,5	CVP and current probe	Average / 9 kHz	74 – 64	30 – 20
	0,5 – 30			64	20
A11.3	0,15 – 0,5	Current Probe	Quasi Peak / 9 kHz	n/a	40 – 30
	0,5 – 30				30
	0,15 – 0,5	Current Probe	Average / 9 kHz		30 – 20
	0,5 – 30				20

NOTE 1 The choice of coupling device and measurement procedure is defined in Annex C.

NOTE 2 Screened ports including TV broadcast receiver tuner ports are tested with a common-mode impedance of 150 Ω. This is typically accomplished with the screen terminated by 150 Ω to earth.

NOTE 3 AC mains power ports shall meet the limits given in Table A.**9**.

NOTE 4 The test shall cover the entire frequency range.

NOTE 5 The application of the voltage and/or current limits is dependent on the measurement procedure used. Refer to Table C.1 for applicability.

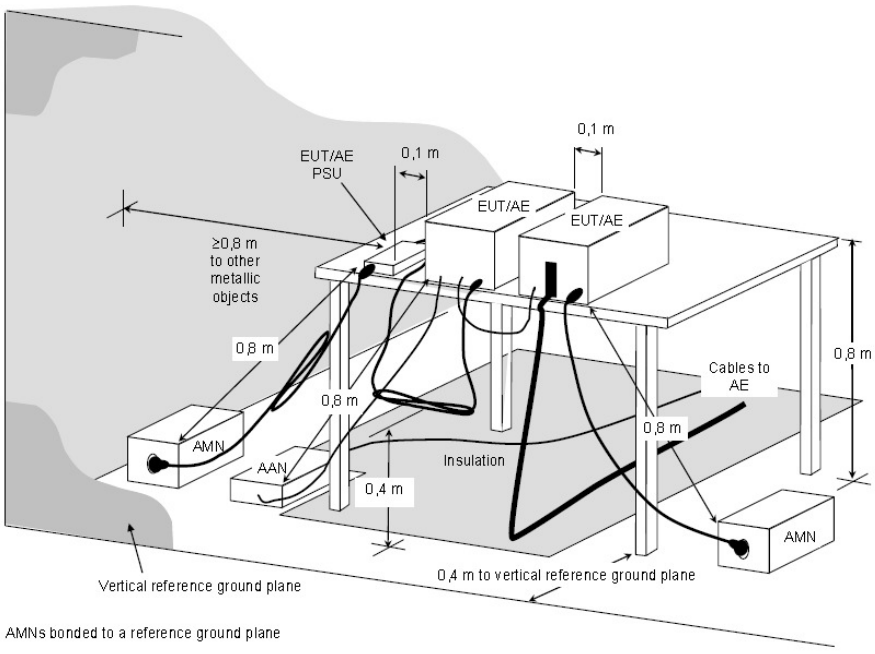
NOTE 6 Testing is required at only one EUT supply voltage and frequency.

NOTE 7 Applicable to ports listed above and intended to connect to cables longer than 3 m.

4.2. Test Procedures

a. The EUT was placed on a desk 0.8 meters height from the metal ground plane and 0.4 meter from the conducting wall of the shielding room and it was kept at least 0.8 meters from any other grounded conducting surface.
b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
c. All the support units are connecting to the other LISN.
d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
e. The CISPR states that a 50 ohm, 50 micro-Henry LISN should be used.
f. Both sides of AC line were checked for maximum conducted interference.
g. The frequency range from 150 kHz to 30 MHz was searched
h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

4.3. Typical Test Setup



NOTE The 0,8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be ≥0,8 m.

Figure D.2 – Example measurement arrangement for table-top EUT (Conducted emission measurement – alternative 1)

4.4. Measurement Equipment

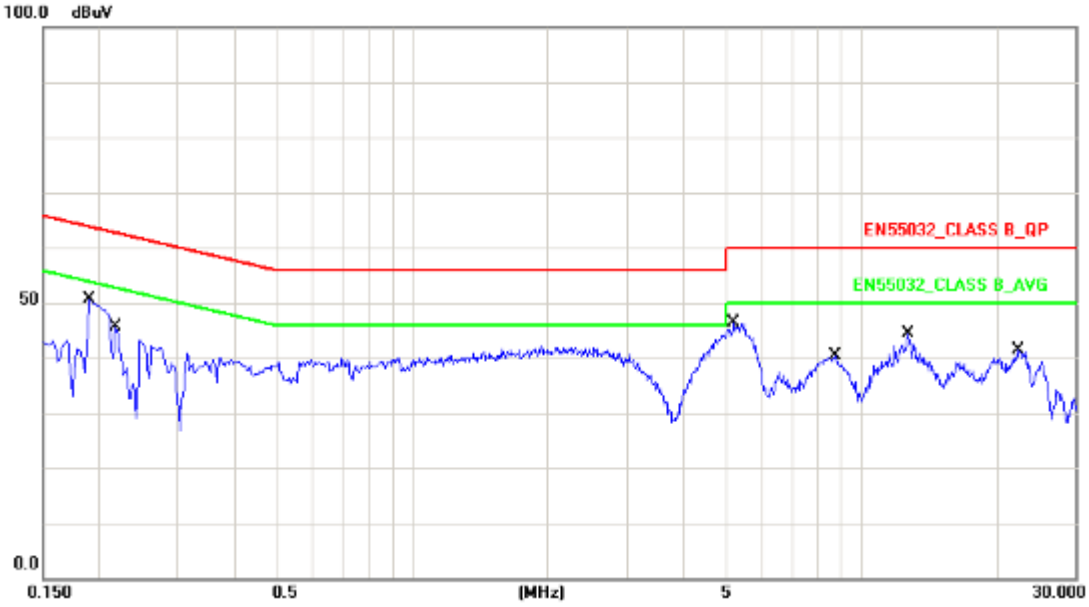
Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Test Receiver	R&S	ESCI	100565	2016.03.26	2017.03.25
AMN	R&S	ESH2-Z5	100182	2015.09.06	2016.09.05
Two-Line V-Network	R&S	ENV216	100325	/	/
ISN	FCC	FCC-TLISN-T2-02	20379	2016.03.26	2017.03.25
ISN	FCC	FCC-TLISN-T4-02	20380	2016.03.26	2017.03.25
ISN	FCC	FCC-TLISN-T8-02	20381	2016.03.26	2017.03.25
ISN	TESEQ	ISN ST08	30175	2016.03.26	2017.03.25
Current Probe	R&S	EZ-17	100303	2016.03.26	2017.03.25
Passive Voltage Probe	R&S	ESH2-Z3	100026	2016.03.26	2017.03.25
Pulse Limiter	R&S	ESH3-Z2	100529	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2016.04.02	2017.04.01
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A

4.5. Test Result and Data

4.5.1 Conducted Emission for Power Port Test Data

Main board #1

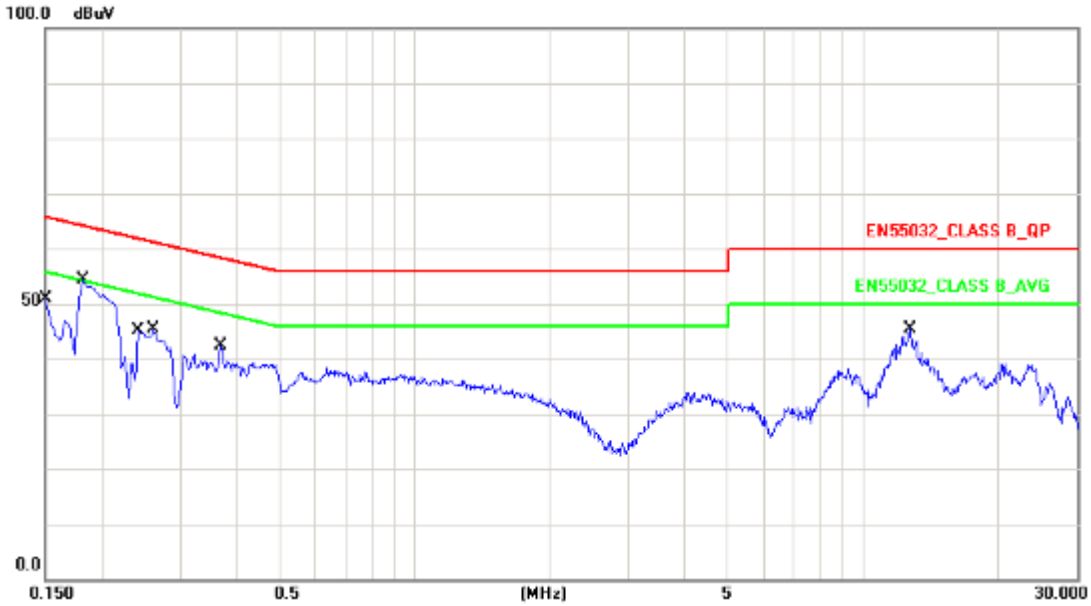
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1900	10.25	37.56	47.81	64.03	-16.22	QP
2	0.1900	10.25	20.60	30.85	54.03	-23.18	AVG
3	0.2180	10.25	33.06	43.31	62.89	-19.58	QP
4	0.2180	10.25	14.38	24.63	52.89	-28.26	AVG
5	5.1979	10.29	30.80	41.09	60.00	-18.91	QP
6	5.1979	10.29	25.54	35.83	50.00	-14.17	AVG
7	8.7380	10.34	25.10	35.44	60.00	-24.56	QP
8	8.7380	10.34	19.96	30.30	50.00	-19.70	AVG
9	12.7540	10.38	32.44	42.82	60.00	-17.18	QP
10	12.7540	10.38	28.01	38.39	50.00	-11.61	AVG
11	22.5300	10.49	25.83	36.32	60.00	-23.68	QP
12	22.5300	10.49	20.72	31.21	50.00	-18.79	AVG

Note: Measurement Level = Reading Level + Correct Factor

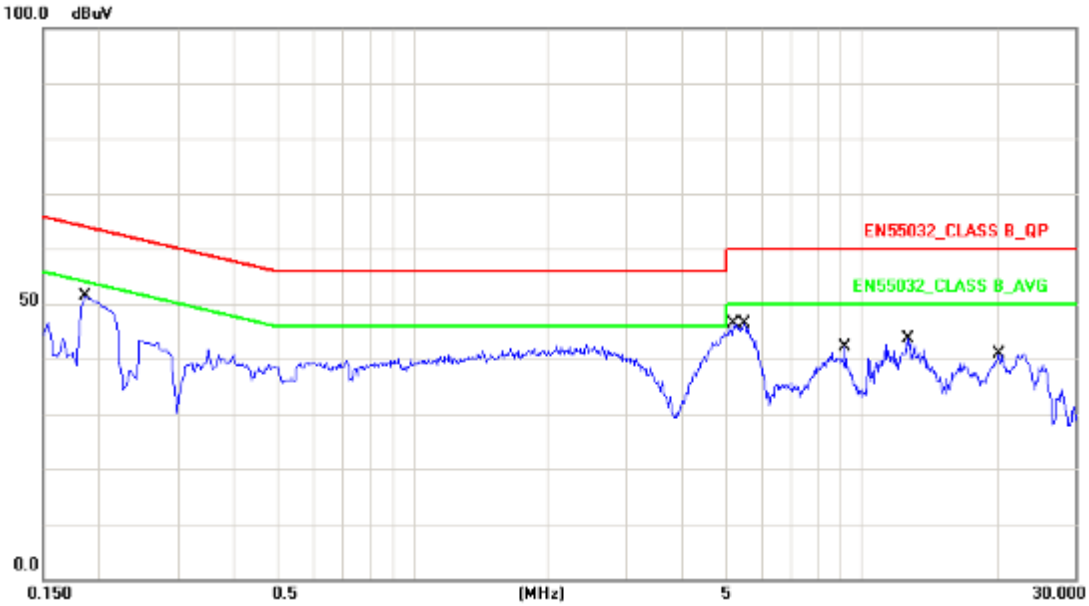
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.19	33.69	43.88	65.99	-22.11	QP
2	0.1500	10.19	13.58	23.77	55.99	-32.22	AVG
3	0.1819	10.20	38.96	49.16	64.39	-15.23	QP
4	0.1819	10.20	18.66	28.86	54.39	-25.53	AVG
5	0.2420	10.23	28.03	38.26	62.02	-23.76	QP
6	0.2420	10.23	9.45	19.68	52.02	-32.34	AVG
7	0.2620	10.23	31.20	41.43	61.36	-19.93	QP
8	0.2620	10.23	17.19	27.42	51.36	-23.94	AVG
9	0.3700	10.24	27.06	37.30	58.50	-21.20	QP
10	0.3700	10.24	12.39	22.63	48.50	-25.87	AVG
11	12.7540	10.67	33.24	43.91	60.00	-16.09	QP
12	12.7540	10.67	28.64	39.31	50.00	-10.69	AVG

Note: Measurement Level = Reading Level + Correct Factor

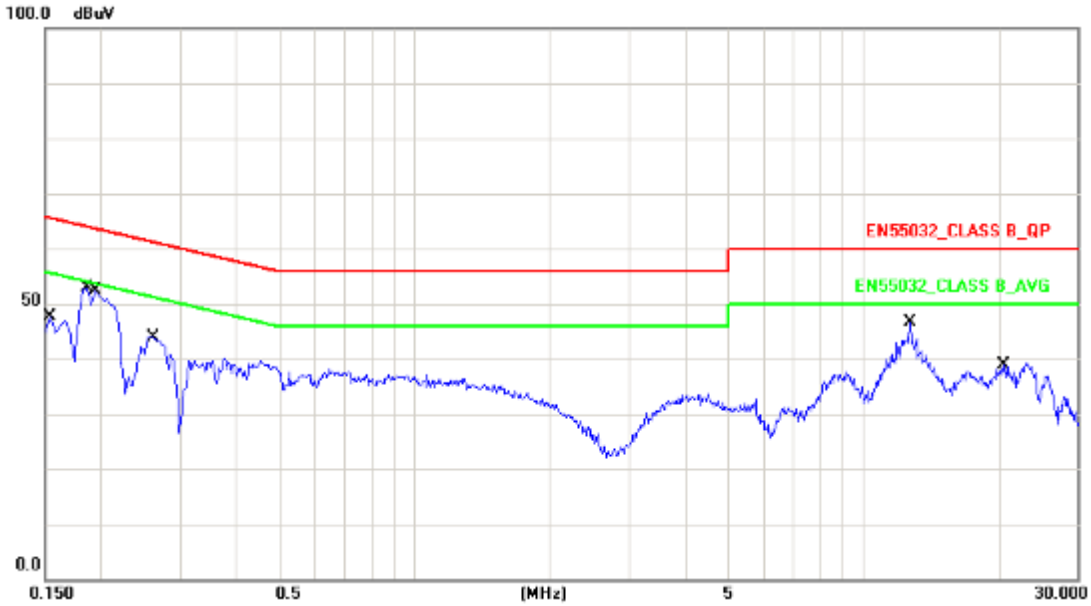
Test Mode :	Mode 4: Full system (DVI mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	10.25	37.75	48.00	64.21	-16.21	QP
2	0.1860	10.25	17.91	28.16	54.21	-26.05	AVG
3	5.2180	10.29	30.78	41.07	60.00	-18.93	QP
4	5.2180	10.29	25.49	35.78	50.00	-14.22	AVG
5	5.4860	10.29	30.98	41.27	60.00	-18.73	QP
6	5.4860	10.29	25.82	36.11	50.00	-13.89	AVG
7	9.2140	10.35	23.58	33.93	60.00	-26.07	QP
8	9.2140	10.35	18.41	28.76	50.00	-21.24	AVG
9	12.7540	10.38	32.50	42.88	60.00	-17.12	QP
10	12.7540	10.38	28.10	38.48	50.00	-11.52	AVG
11	20.3140	10.46	24.34	34.80	60.00	-25.20	QP
12	20.3140	10.46	19.30	29.76	50.00	-20.24	AVG

Note: Measurement Level = Reading Level + Correct Factor

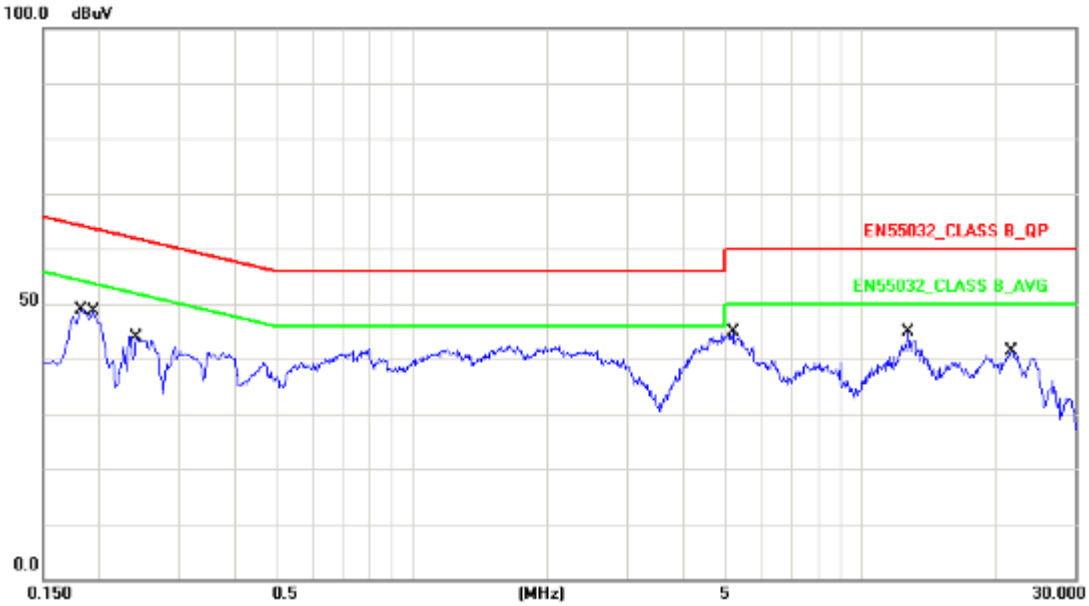
Test Mode :	Mode 4: Full system (DVI mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	10.20	29.18	39.38	65.78	-26.40	QP
2	0.1539	10.20	8.20	18.40	55.78	-37.38	AVG
3	0.1860	10.20	40.09	50.29	64.21	-13.92	QP
4	0.1860	10.20	21.94	32.14	54.21	-22.07	AVG
5	0.1940	10.21	39.38	49.59	63.86	-14.27	QP
6	0.1940	10.21	24.35	34.56	53.86	-19.30	AVG
7	0.2620	10.23	30.60	40.83	61.36	-20.53	QP
8	0.2620	10.23	16.94	27.17	51.36	-24.19	AVG
9	12.7540	10.67	33.12	43.79	60.00	-16.21	QP
10	12.7540	10.67	28.68	39.35	50.00	-10.65	AVG
11	20.5180	10.80	22.29	33.09	60.00	-26.91	QP
12	20.5180	10.80	17.12	27.92	50.00	-22.08	AVG

Note: Measurement Level = Reading Level + Correct Factor

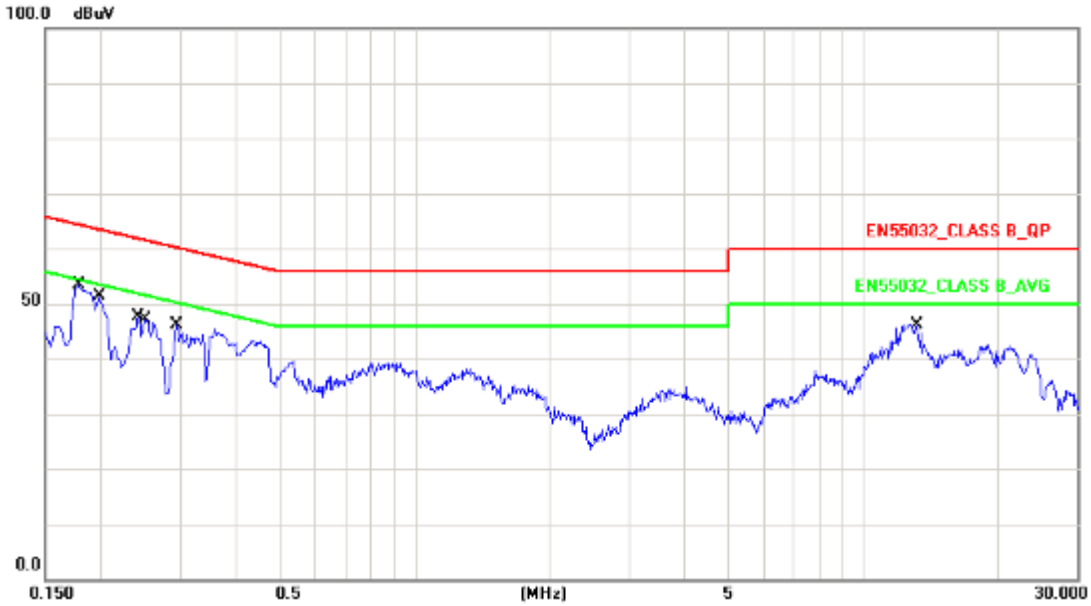
Test Mode :	Mode 8: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	10.25	34.98	45.23	64.39	-19.16	QP
2	0.1819	10.25	19.69	29.94	54.39	-24.45	AVG
3	0.1940	10.25	34.54	44.79	63.86	-19.07	QP
4	0.1940	10.25	20.59	30.84	53.86	-23.02	AVG
5	0.2420	10.26	30.52	40.78	62.02	-21.24	QP
6	0.2420	10.26	17.69	27.95	52.02	-24.07	AVG
7	5.1820	10.29	28.50	38.79	60.00	-21.21	QP
8	5.1820	10.29	22.81	33.10	50.00	-16.90	AVG
9	12.7540	10.38	32.83	43.21	60.00	-16.79	QP
10	12.7540	10.38	28.34	38.72	50.00	-11.28	AVG
11	21.6940	10.47	26.22	36.69	60.00	-23.31	QP
12	21.6940	10.47	21.20	31.67	50.00	-18.33	AVG

Note: Measurement Level = Reading Level + Correct Factor

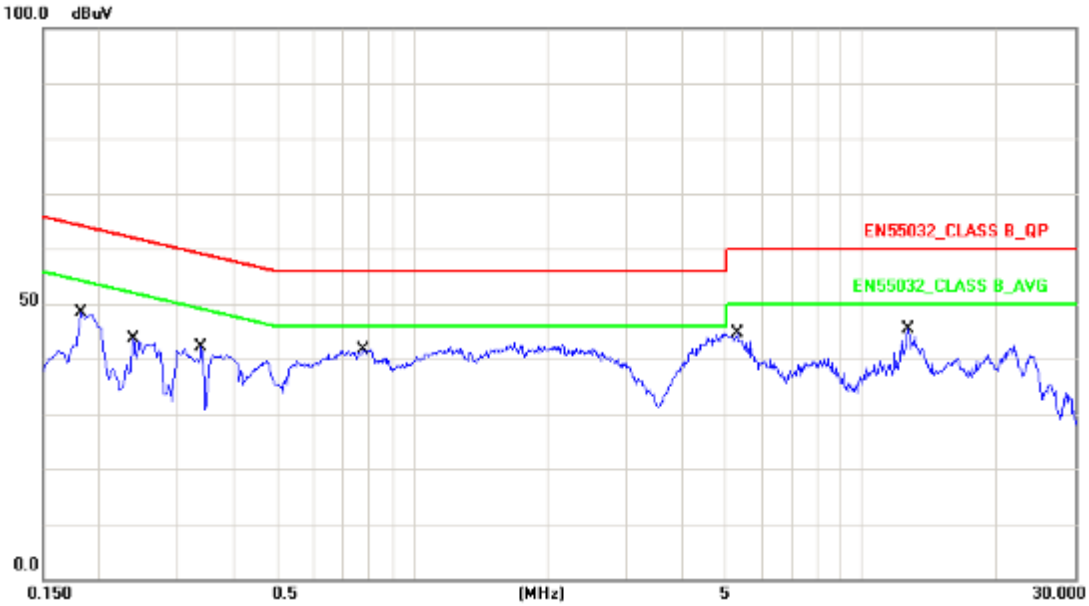
Test Mode :	Mode 8: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	10.20	36.44	46.64	64.57	-17.93	QP
2	0.1780	10.20	21.11	31.31	54.57	-23.26	AVG
3	0.1980	10.21	35.05	45.26	63.69	-18.43	QP
4	0.1980	10.21	21.91	32.12	53.69	-21.57	AVG
5	0.2420	10.23	31.02	41.25	62.02	-20.77	QP
6	0.2420	10.23	18.42	28.65	52.02	-23.37	AVG
7	0.2500	10.23	30.81	41.04	61.75	-20.71	QP
8	0.2500	10.23	19.25	29.48	51.75	-22.27	AVG
9	0.2940	10.24	27.87	38.11	60.41	-22.30	QP
10	0.2940	10.24	12.70	22.94	50.41	-27.47	AVG
11	13.1300	10.67	30.80	41.47	60.00	-18.53	QP
12	13.1300	10.67	27.48	38.15	50.00	-11.85	AVG

Note: Measurement Level = Reading Level + Correct Factor

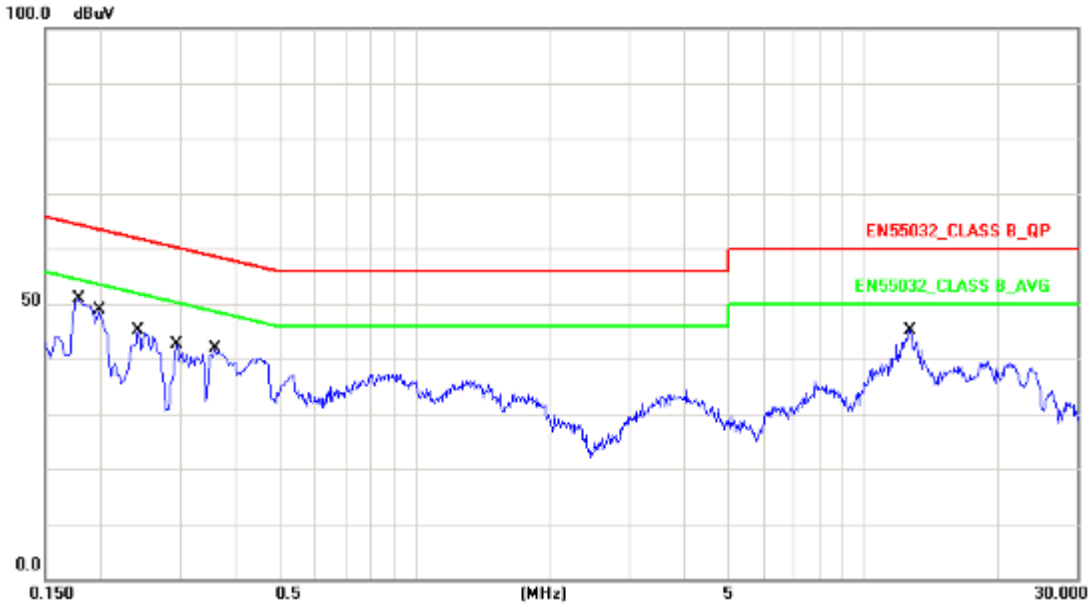
Test Mode :	Mode 11: Full system (DVI mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	10.25	34.50	44.75	64.39	-19.64	QP
2	0.1819	10.25	19.24	29.49	54.39	-24.90	AVG
3	0.2380	10.26	29.74	40.00	62.16	-22.16	QP
4	0.2380	10.26	14.79	25.05	52.16	-27.11	AVG
5	0.3379	10.27	25.95	36.22	59.25	-23.03	QP
6	0.3379	10.27	9.43	19.70	49.25	-29.55	AVG
7	0.7780	10.32	28.50	38.82	56.00	-17.18	QP
8	0.7780	10.32	17.26	27.58	46.00	-18.42	AVG
9	5.3020	10.29	27.86	38.15	60.00	-21.85	QP
10	5.3020	10.29	22.08	32.37	50.00	-17.63	AVG
11	12.7540	10.38	32.84	43.22	60.00	-16.78	QP
12	12.7540	10.38	28.35	38.73	50.00	-11.27	AVG

Note: Measurement Level = Reading Level + Correct Factor

Test Mode :	Mode 11: Full system (DVI mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04

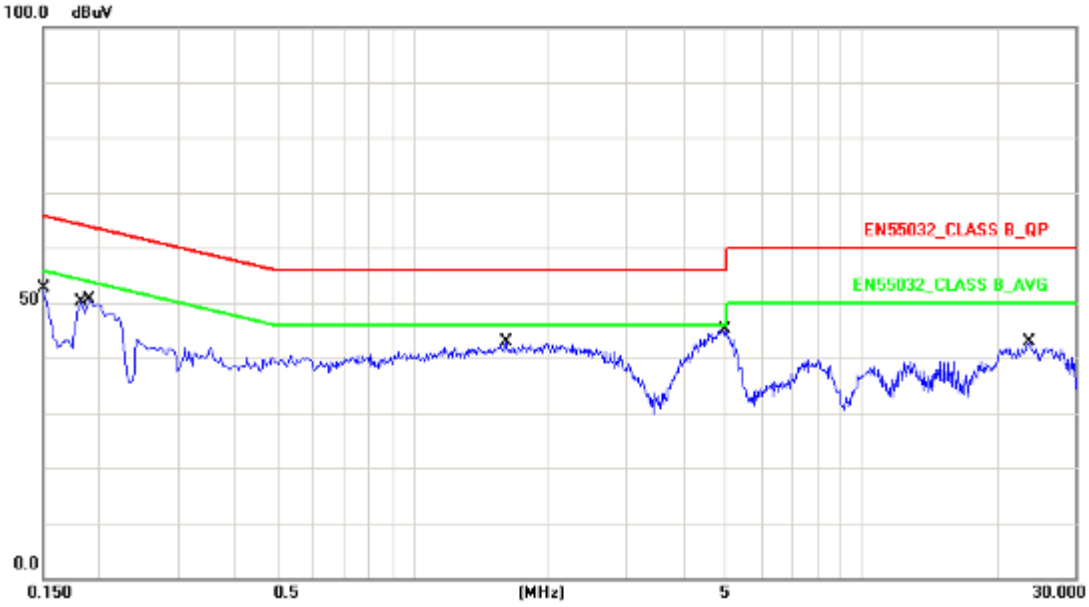


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	10.20	36.48	46.68	64.57	-17.89	QP
2	0.1780	10.20	21.13	31.33	54.57	-23.24	AVG
3	0.1980	10.21	35.09	45.30	63.69	-18.39	QP
4	0.1980	10.21	21.96	32.17	53.69	-21.52	AVG
5	0.2420	10.23	31.06	41.29	62.02	-20.73	QP
6	0.2420	10.23	18.43	28.66	52.02	-23.36	AVG
7	0.2940	10.24	27.87	38.11	60.41	-22.30	QP
8	0.2940	10.24	12.67	22.91	50.41	-27.50	AVG
9	0.3580	10.24	28.58	38.82	58.77	-19.95	QP
10	0.3580	10.24	15.38	25.62	48.77	-23.15	AVG
11	12.7540	10.67	33.28	43.95	60.00	-16.05	QP
12	12.7540	10.67	28.69	39.36	50.00	-10.64	AVG

Note: Measurement Level = Reading Level + Correct Factor

Main board 2#

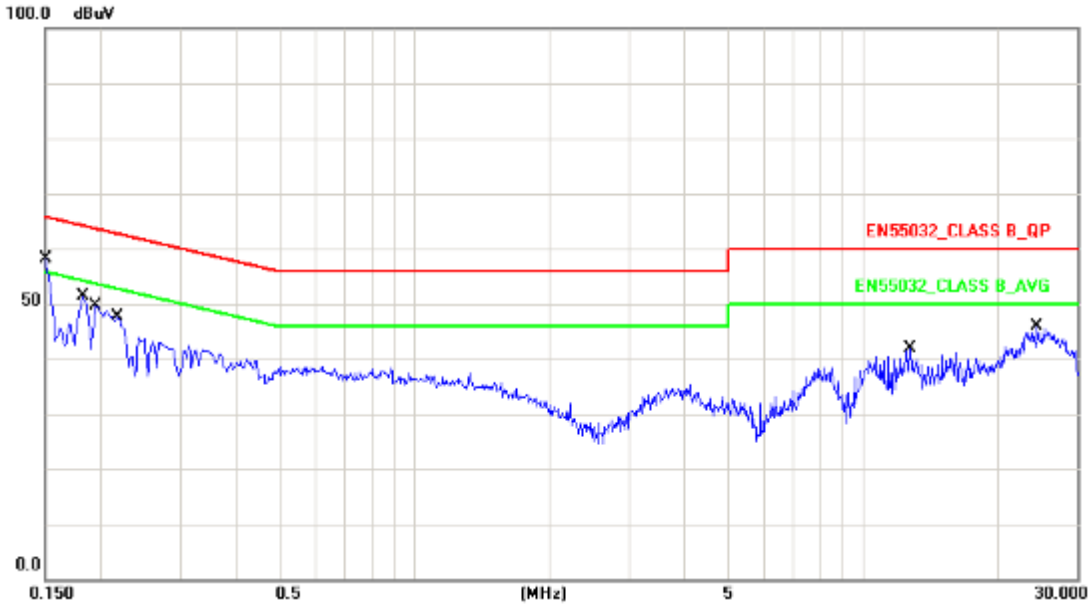
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.24	38.57	48.81	65.99	-17.18	QP
2	0.1500	10.24	19.19	29.43	55.99	-26.56	AVG
3	0.1819	10.25	36.24	46.49	64.39	-17.90	QP
4	0.1819	10.25	16.71	26.96	54.39	-27.43	AVG
5	0.1900	10.25	36.93	47.18	64.03	-16.85	QP
6	0.1900	10.25	20.26	30.51	54.03	-23.52	AVG
7	1.6140	10.30	27.75	38.05	56.00	-17.95	QP
8	1.6140	10.30	20.51	30.81	46.00	-15.19	AVG
9	4.9940	10.29	30.24	40.53	56.00	-15.47	QP
10	4.9940	10.29	25.08	35.37	46.00	-10.63	AVG
11	23.6820	10.49	26.12	36.61	60.00	-23.39	QP
12	23.6820	10.49	20.87	31.36	50.00	-18.64	AVG

Note: Measurement Level = Reading Level + Correct Factor

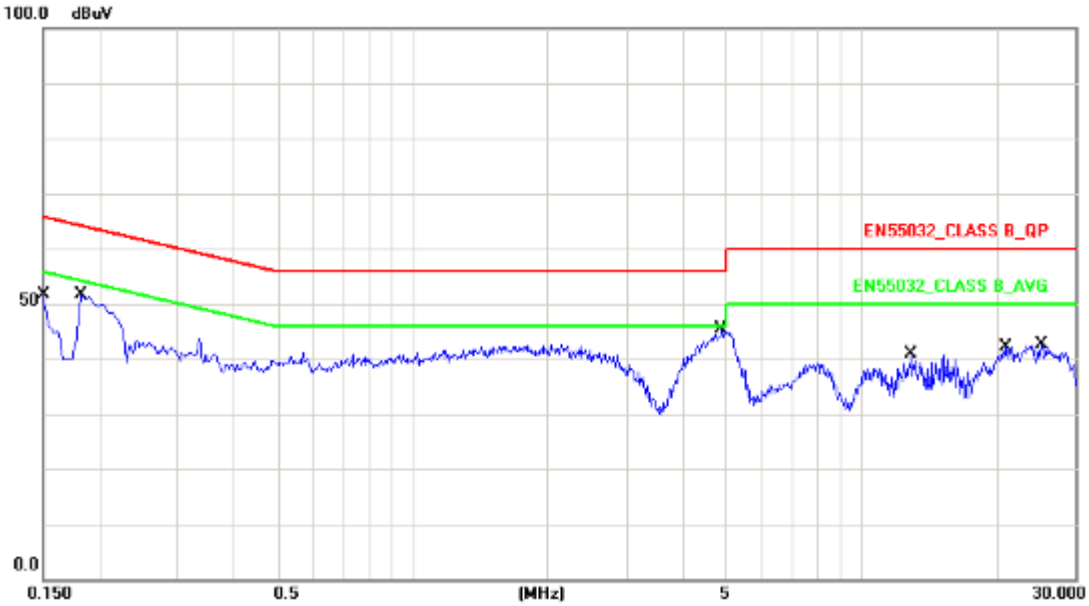
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.19	44.08	54.27	65.99	-11.72	QP
2	0.1500	10.19	25.22	35.41	55.99	-20.58	AVG
3	0.1819	10.20	35.68	45.88	64.39	-18.51	QP
4	0.1819	10.20	17.07	27.27	54.39	-27.12	AVG
5	0.1940	10.21	36.50	46.71	63.86	-17.15	QP
6	0.1940	10.21	20.77	30.98	53.86	-22.88	AVG
7	0.2180	10.21	33.98	44.19	62.89	-18.70	QP
8	0.2180	10.21	19.49	29.70	52.89	-23.19	AVG
9	12.7540	10.67	25.01	35.68	60.00	-24.32	QP
10	12.7540	10.67	21.34	32.01	50.00	-17.99	AVG
11	24.4460	10.86	25.38	36.24	60.00	-23.76	QP
12	24.4460	10.86	19.80	30.66	50.00	-19.34	AVG

Note: Measurement Level = Reading Level + Correct Factor

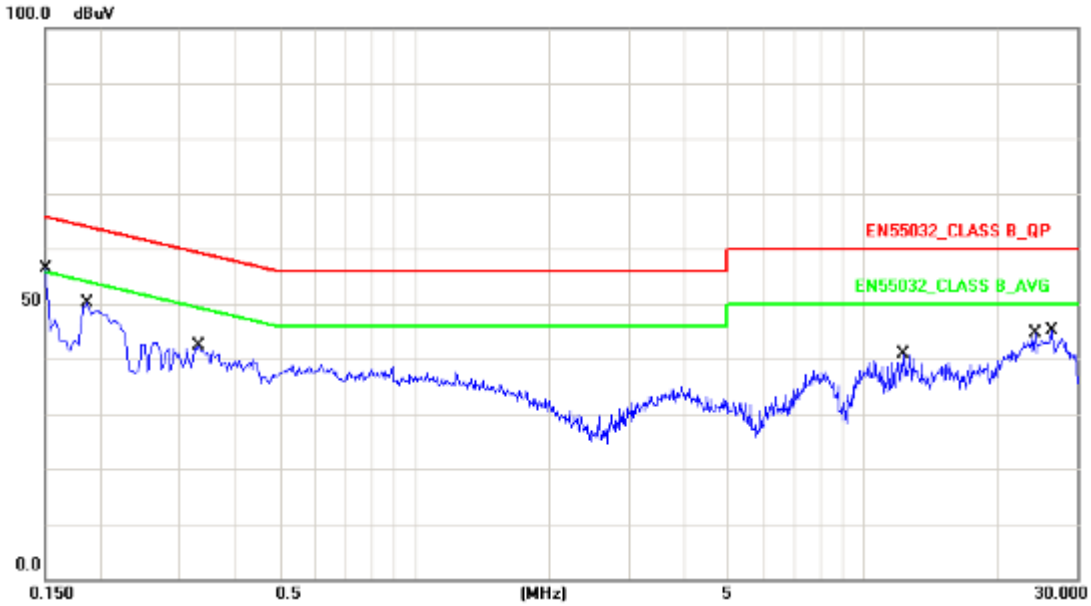
Test Mode :	Mode 4: Full system (DVI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.24	38.51	48.75	65.99	-17.24	QP
2	0.1500	10.24	18.49	28.73	55.99	-27.26	AVG
3	0.1819	10.25	37.33	47.58	64.39	-16.81	QP
4	0.1819	10.25	18.42	28.67	54.39	-25.72	AVG
5	4.8940	10.29	30.36	40.65	56.00	-15.35	QP
6	4.8940	10.29	25.33	35.62	46.00	-10.38	AVG
7	12.9460	10.38	22.91	33.29	60.00	-26.71	QP
8	12.9460	10.38	18.29	28.67	50.00	-21.33	AVG
9	21.0020	10.47	25.74	36.21	60.00	-23.79	QP
10	21.0020	10.47	20.57	31.04	50.00	-18.96	AVG
11	25.2740	10.50	24.63	35.13	60.00	-24.87	QP
12	25.2740	10.50	19.36	29.86	50.00	-20.14	AVG

Note: Measurement Level = Reading Level + Correct Factor

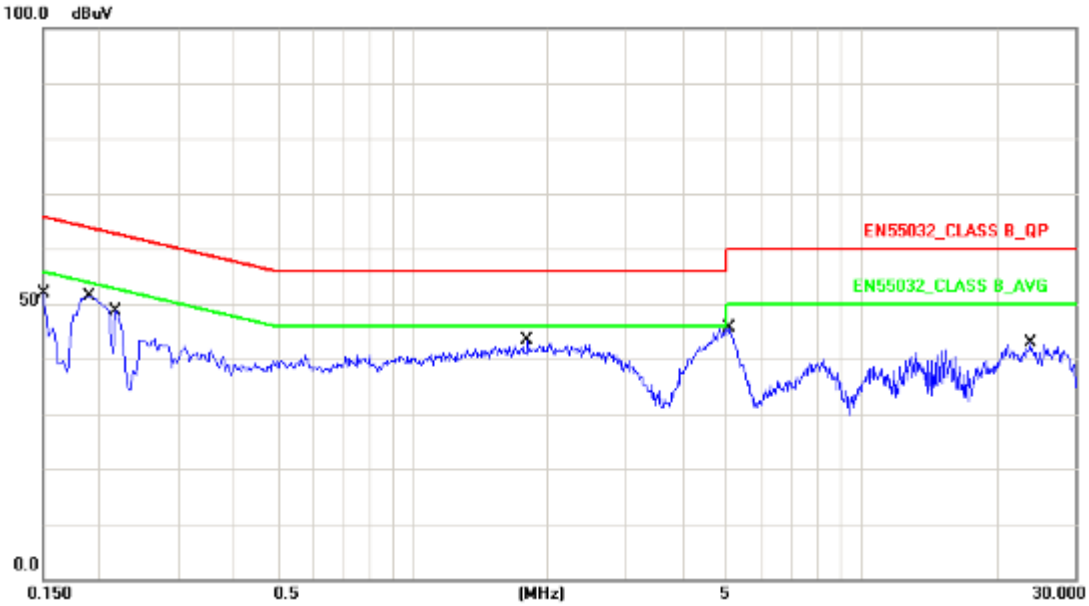
Test Mode :	Mode 4: Full system (DVI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.19	43.69	53.88	65.99	-12.11	QP
2	0.1500	10.19	25.37	35.56	55.99	-20.43	AVG
3	0.1860	10.20	36.08	46.28	64.21	-17.93	QP
4	0.1860	10.20	18.58	28.78	54.21	-25.43	AVG
5	0.3300	10.24	27.94	38.18	59.45	-21.27	QP
6	0.3300	10.24	14.31	24.55	49.45	-24.90	AVG
7	12.2860	10.66	24.34	35.00	60.00	-25.00	QP
8	12.2860	10.66	20.47	31.13	50.00	-18.87	AVG
9	24.2620	10.86	26.05	36.91	60.00	-23.09	QP
10	24.2620	10.86	21.09	31.95	50.00	-18.05	AVG
11	26.3860	10.89	27.16	38.05	60.00	-21.95	QP
12	26.3860	10.89	22.00	32.89	50.00	-17.11	AVG

Note: Measurement Level = Reading Level + Correct Factor

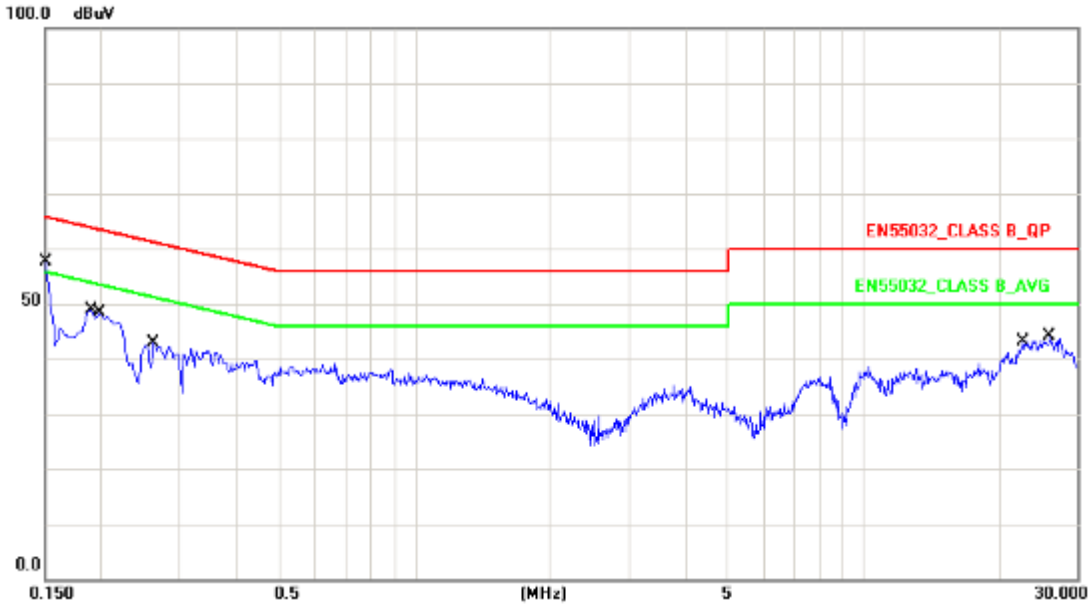
Test Mode :	Mode 7: Full system (HDMI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.24	38.25	48.49	65.99	-17.50	QP
2	0.1500	10.24	17.59	27.83	55.99	-28.16	AVG
3	0.1900	10.25	38.33	48.58	64.03	-15.45	QP
4	0.1900	10.25	21.25	31.50	54.03	-22.53	AVG
5	0.2180	10.25	35.12	45.37	62.89	-17.52	QP
6	0.2180	10.25	19.19	29.44	52.89	-23.45	AVG
7	1.8060	10.29	27.88	38.17	56.00	-17.83	QP
8	1.8060	10.29	21.23	31.52	46.00	-14.48	AVG
9	5.0620	10.29	30.57	40.86	60.00	-19.14	QP
10	5.0620	10.29	25.51	35.80	50.00	-14.20	AVG
11	23.8060	10.49	26.20	36.69	60.00	-23.31	QP
12	23.8060	10.49	20.85	31.34	50.00	-18.66	AVG

Note: Measurement Level = Reading Level + Correct Factor

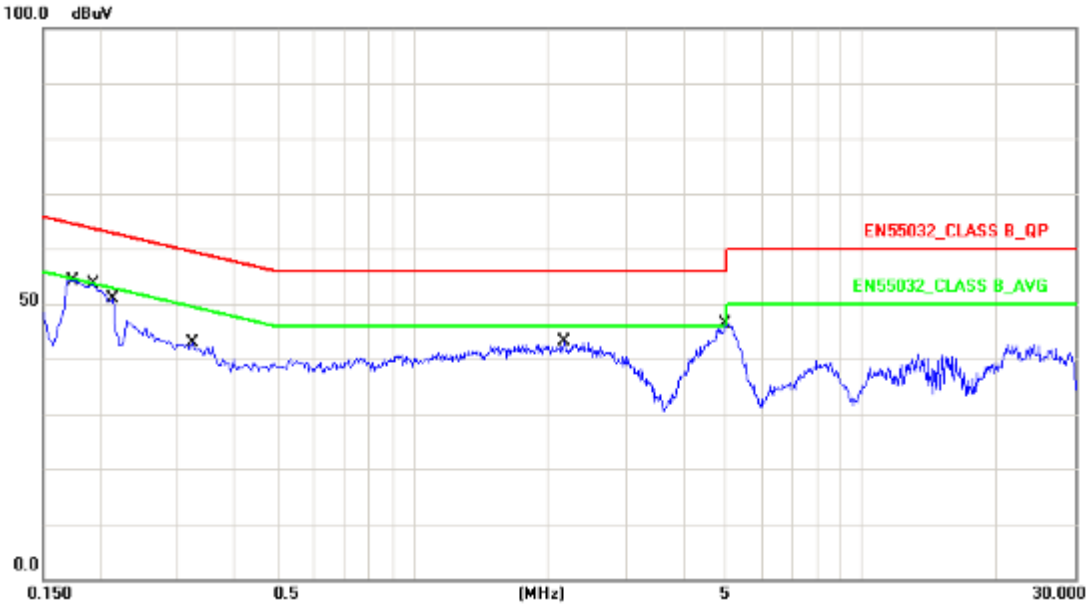
Test Mode :	Mode 7: Full system (HDMI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.19	43.46	53.65	65.99	-12.34	QP
2	0.1500	10.19	25.59	35.78	55.99	-20.21	AVG
3	0.1900	10.20	35.88	46.08	64.03	-17.95	QP
4	0.1900	10.20	20.06	30.26	54.03	-23.77	AVG
5	0.1980	10.21	35.13	45.34	63.69	-18.35	QP
6	0.1980	10.21	20.24	30.45	53.69	-23.24	AVG
7	0.2620	10.23	28.22	38.45	61.36	-22.91	QP
8	0.2620	10.23	14.56	24.79	51.36	-26.57	AVG
9	22.7220	10.83	27.10	37.93	60.00	-22.07	QP
10	22.7220	10.83	21.85	32.68	50.00	-17.32	AVG
11	26.0060	10.87	26.98	37.85	60.00	-22.15	QP
12	26.0060	10.87	21.70	32.57	50.00	-17.43	AVG

Note: Measurement Level = Reading Level + Correct Factor

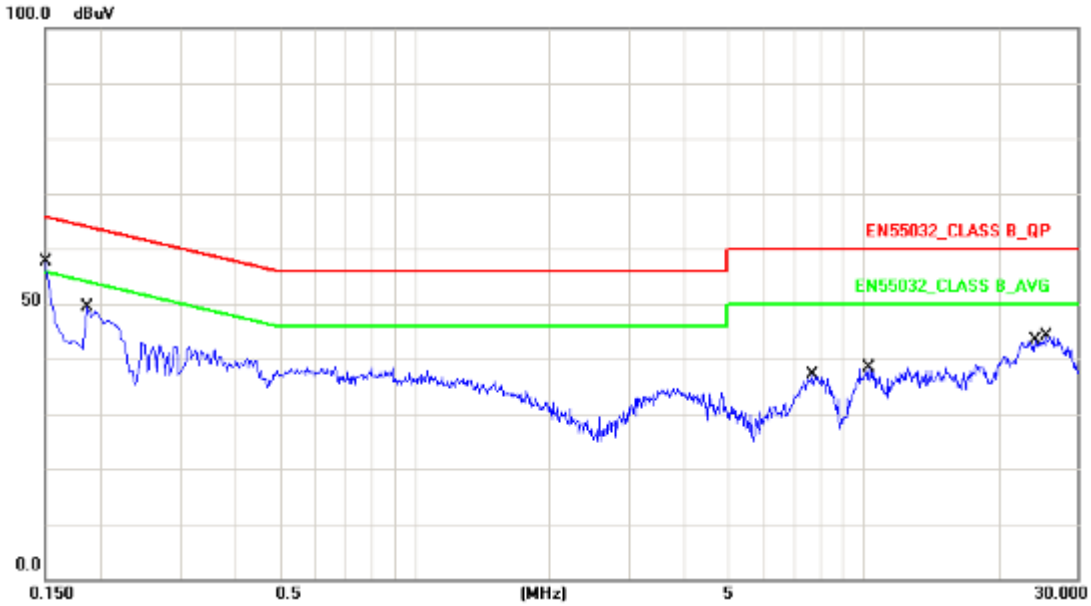
Test Mode :	Mode 10: Full system (Display mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	10.24	38.06	48.30	64.76	-16.46	QP
2	0.1740	10.24	17.08	27.32	54.76	-27.44	AVG
3	0.1940	10.25	39.22	49.47	63.86	-14.39	QP
4	0.1940	10.25	21.15	31.40	53.86	-22.46	AVG
5	0.2140	10.25	36.85	47.10	63.04	-15.94	QP
6	0.2140	10.25	19.66	29.91	53.04	-23.13	AVG
7	0.3220	10.27	27.96	38.23	59.65	-21.42	QP
8	0.3220	10.27	13.69	23.96	49.65	-25.69	AVG
9	2.1860	10.30	27.56	37.86	56.00	-18.14	QP
10	2.1860	10.30	21.45	31.75	46.00	-14.25	AVG
11	4.9820	10.29	30.99	41.28	56.00	-14.72	QP
12	4.9820	10.29	25.96	36.25	46.00	-9.75	AVG

Note: Measurement Level = Reading Level + Correct Factor

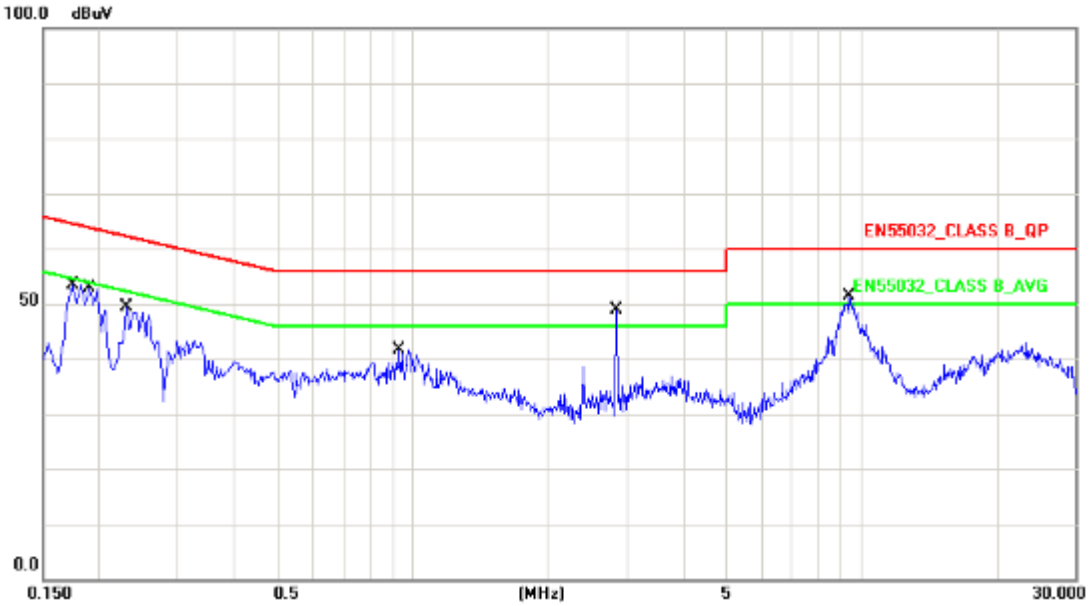
Test Mode :	Mode 10: Full system (Display mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.19	43.15	53.34	65.99	-12.65	QP
2	0.1500	10.19	25.57	35.76	55.99	-20.23	AVG
3	0.1860	10.20	34.88	45.08	64.21	-19.13	QP
4	0.1860	10.20	17.14	27.34	54.21	-26.87	AVG
5	7.7260	10.58	21.78	32.36	60.00	-27.64	QP
6	7.7260	10.58	17.02	27.60	50.00	-22.40	AVG
7	10.2980	10.62	23.41	34.03	60.00	-25.97	QP
8	10.2980	10.62	18.88	29.50	50.00	-20.50	AVG
9	24.2260	10.86	28.26	39.12	60.00	-20.88	QP
10	24.2260	10.86	23.72	34.58	50.00	-15.42	AVG
11	25.7139	10.87	27.02	37.89	60.00	-22.11	QP
12	25.7139	10.87	21.72	32.59	50.00	-17.41	AVG

Note: Measurement Level = Reading Level + Correct Factor

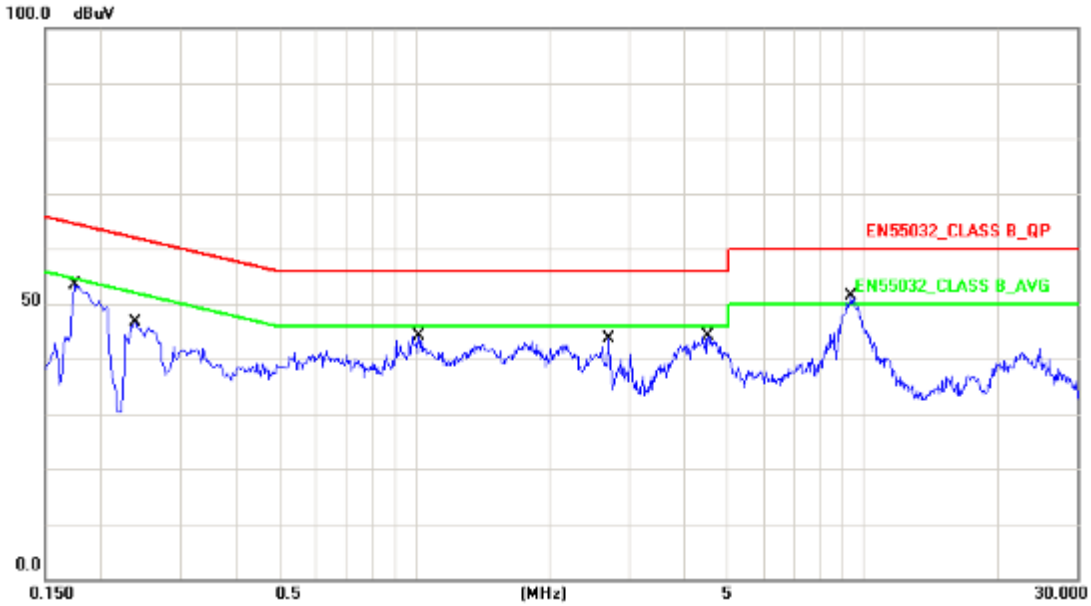
Test Mode :	Mode 14: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	10.24	39.30	49.54	64.76	-15.22	QP
2	0.1740	10.24	24.69	34.93	54.76	-19.83	AVG
3	0.1904	10.25	38.63	48.88	64.01	-15.13	QP
4	0.1904	10.25	24.85	35.10	54.01	-18.91	AVG
5	0.2300	10.26	34.52	44.78	62.45	-17.67	QP
6	0.2300	10.26	19.38	29.64	52.45	-22.81	AVG
7	0.9380	10.31	25.45	35.76	56.00	-20.24	QP
8	0.9380	10.31	17.08	27.39	46.00	-18.61	AVG
9	2.8460	10.30	18.50	28.80	56.00	-27.20	QP
10	2.8460	10.30	10.98	21.28	46.00	-24.72	AVG
11	9.4020	10.35	34.62	44.97	60.00	-15.03	QP
12	9.4020	10.35	25.43	35.78	50.00	-14.22	AVG

Note: Measurement Level = Reading Level + Correct Factor

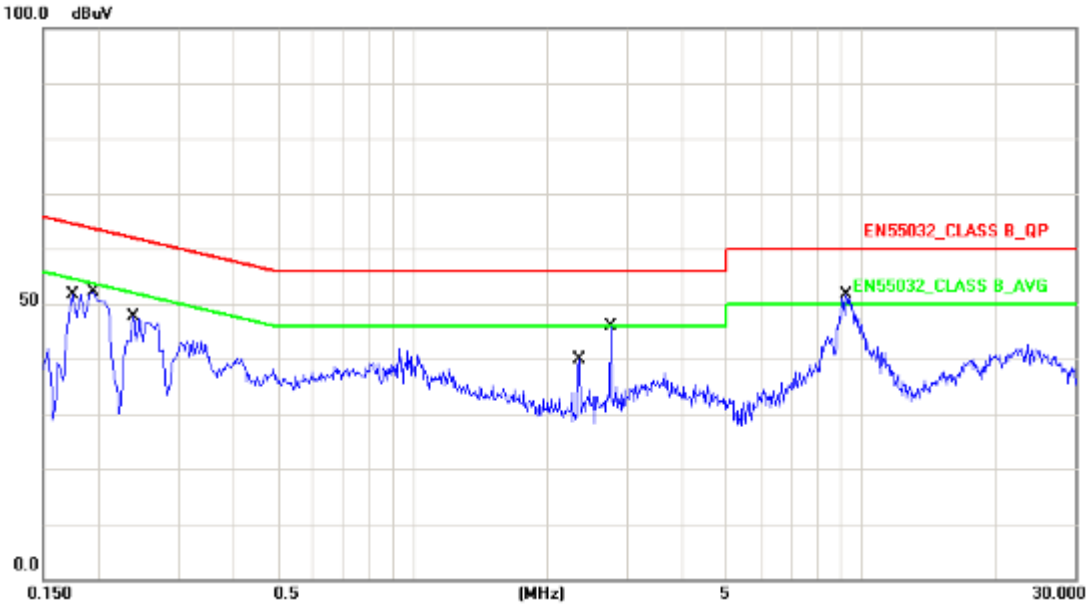
Test Mode :	Mode 14: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	10.21	39.44	49.65	64.76	-15.11	QP
2	0.1740	10.21	22.53	32.74	54.76	-22.02	AVG
3	0.2380	10.23	32.72	42.95	62.16	-19.21	QP
4	0.2380	10.23	19.14	29.37	52.16	-22.79	AVG
5	1.0260	10.33	28.80	39.13	56.00	-16.87	QP
6	1.0260	10.33	20.02	30.35	46.00	-15.65	AVG
7	2.7180	10.51	22.85	33.36	56.00	-22.64	QP
8	2.7180	10.51	16.12	26.63	46.00	-19.37	AVG
9	4.5220	10.55	27.06	37.61	56.00	-18.39	QP
10	4.5220	10.55	21.52	32.07	46.00	-13.93	AVG
11	9.4060	10.61	33.76	44.37	60.00	-15.63	QP
12	9.4060	10.61	24.64	35.25	50.00	-14.75	AVG

Note: Measurement Level = Reading Level + Correct Factor

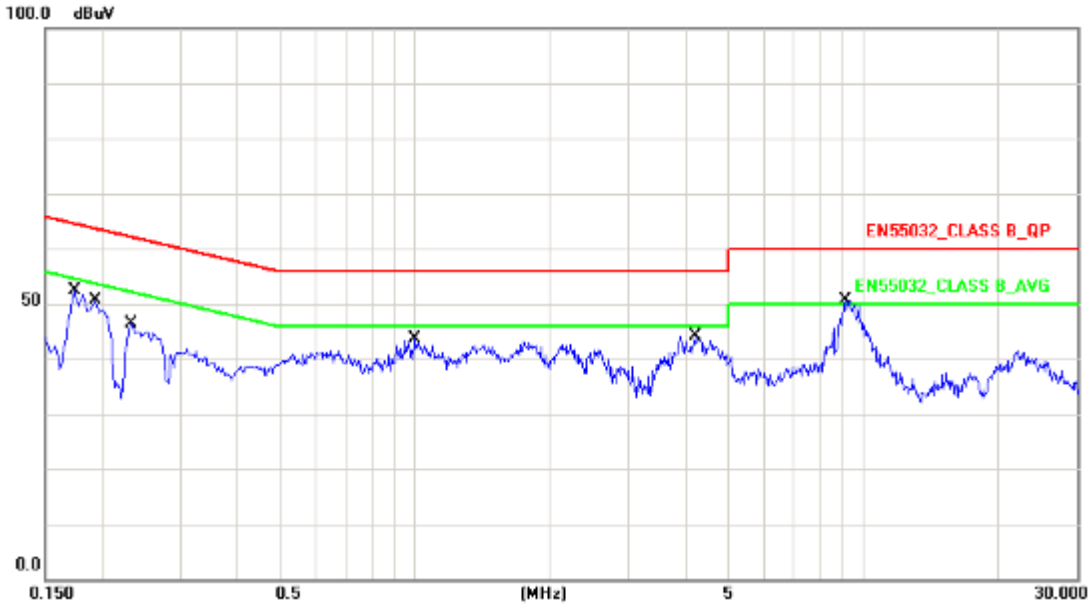
Test Mode :	Mode 17: Full system (DVI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	10.24	35.89	46.13	64.76	-18.63	QP
2	0.1740	10.24	18.89	29.13	54.76	-25.63	AVG
3	0.1914	10.25	37.41	47.66	63.97	-16.31	QP
4	0.1914	10.25	24.45	34.70	53.97	-19.27	AVG
5	0.2380	10.26	34.37	44.63	62.16	-17.53	QP
6	0.2380	10.26	19.60	29.86	52.16	-22.30	AVG
7	2.3540	10.30	15.98	26.28	56.00	-29.72	QP
8	2.3540	10.30	8.73	19.03	46.00	-26.97	AVG
9	2.7700	10.30	17.27	27.57	56.00	-28.43	QP
10	2.7700	10.30	9.70	20.00	46.00	-26.00	AVG
11	9.2739	10.35	33.75	44.10	60.00	-15.90	QP
12	9.2739	10.35	24.22	34.57	50.00	-15.43	AVG

Note: Measurement Level = Reading Level + Correct Factor

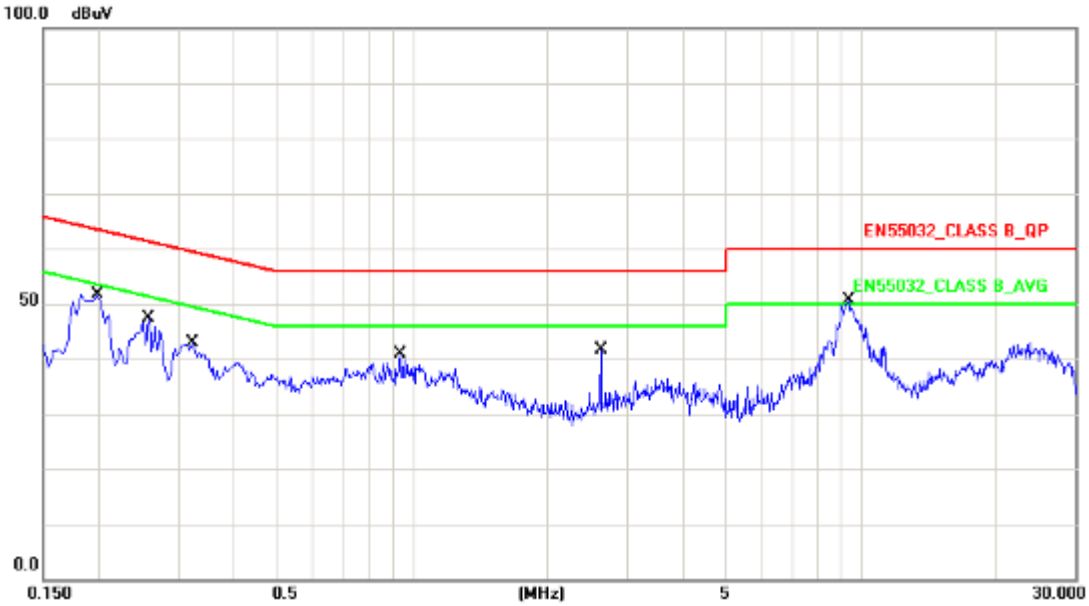
Test Mode :	Mode 17: Full system (DVI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	10.21	38.52	48.73	64.76	-16.03	QP
2	0.1740	10.21	21.56	31.77	54.76	-22.99	AVG
3	0.1940	10.21	36.67	46.88	63.86	-16.98	QP
4	0.1940	10.21	21.75	31.96	53.86	-21.90	AVG
5	0.2340	10.23	32.40	42.63	62.30	-19.67	QP
6	0.2340	10.23	17.72	27.95	52.30	-24.35	AVG
7	1.0020	10.32	28.99	39.31	56.00	-16.69	QP
8	1.0020	10.32	20.81	31.13	46.00	-14.87	AVG
9	4.2460	10.53	28.48	39.01	56.00	-16.99	QP
10	4.2460	10.53	23.03	33.56	46.00	-12.44	AVG
11	9.1220	10.61	33.61	44.22	60.00	-15.78	QP
12	9.1220	10.61	23.42	34.03	50.00	-15.97	AVG

Note: Measurement Level = Reading Level + Correct Factor

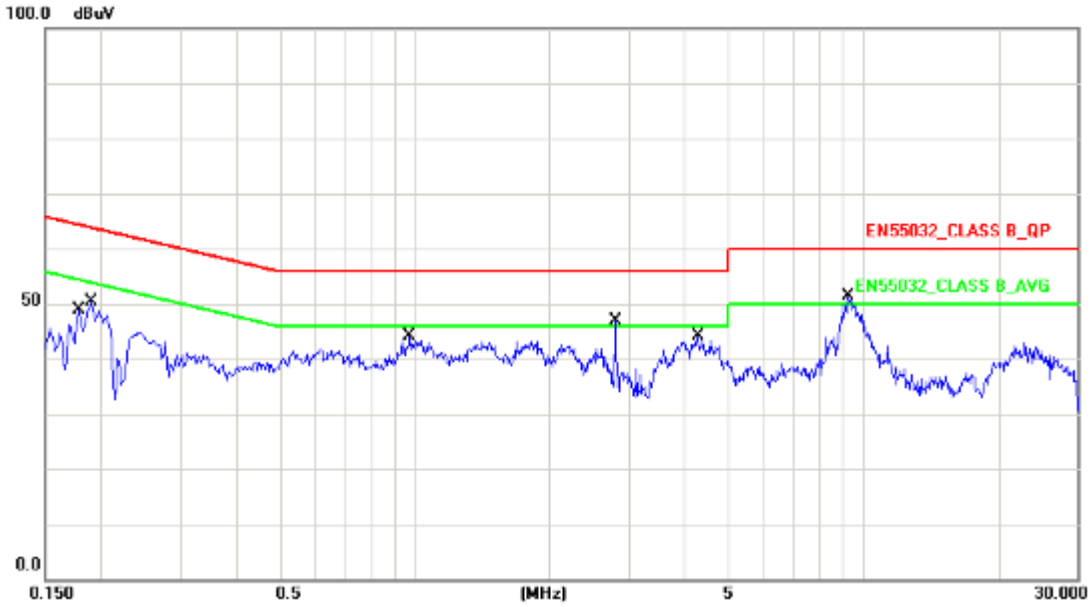
Test Mode :	Mode 20: Full system (HDMI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1980	10.25	36.70	46.95	63.69	-16.74	QP
2	0.1980	10.25	24.31	34.56	53.69	-19.13	AVG
3	0.2580	10.27	32.00	42.27	61.49	-19.22	QP
4	0.2580	10.27	19.53	29.80	51.49	-21.69	AVG
5	0.3220	10.27	29.22	39.49	59.65	-20.16	QP
6	0.3220	10.27	16.55	26.82	49.65	-22.83	AVG
7	0.9420	10.31	24.72	35.03	56.00	-20.97	QP
8	0.9420	10.31	16.20	26.51	46.00	-19.49	AVG
9	2.6340	10.30	16.05	26.35	56.00	-29.65	QP
10	2.6340	10.30	6.67	16.97	46.00	-29.03	AVG
11	9.3820	10.35	33.95	44.30	60.00	-15.70	QP
12	9.3820	10.35	23.84	34.19	50.00	-15.81	AVG

Note: Measurement Level = Reading Level + Correct Factor

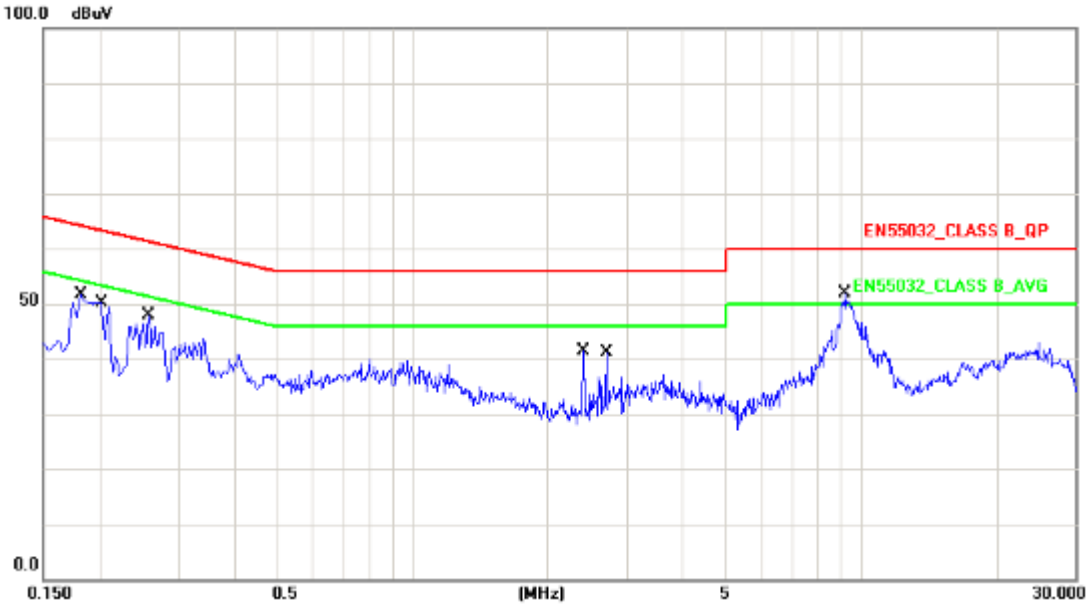
Test Mode :	Mode 20: Full system (HDMI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	10.20	37.21	47.41	64.57	-17.16	QP
2	0.1780	10.20	22.80	33.00	54.57	-21.57	AVG
3	0.1900	10.20	35.73	45.93	64.03	-18.10	QP
4	0.1900	10.20	21.69	31.89	54.03	-22.14	AVG
5	0.9780	10.32	28.57	38.89	56.00	-17.11	QP
6	0.9780	10.32	19.86	30.18	46.00	-15.82	AVG
7	2.8020	10.51	20.20	30.71	56.00	-25.29	QP
8	2.8020	10.51	14.25	24.76	46.00	-21.24	AVG
9	4.2819	10.54	28.33	38.87	56.00	-17.13	QP
10	4.2819	10.54	23.13	33.67	46.00	-12.33	AVG
11	9.2540	10.61	34.14	44.75	60.00	-15.25	QP
12	9.2540	10.61	24.44	35.05	50.00	-14.95	AVG

Note: Measurement Level = Reading Level + Correct Factor

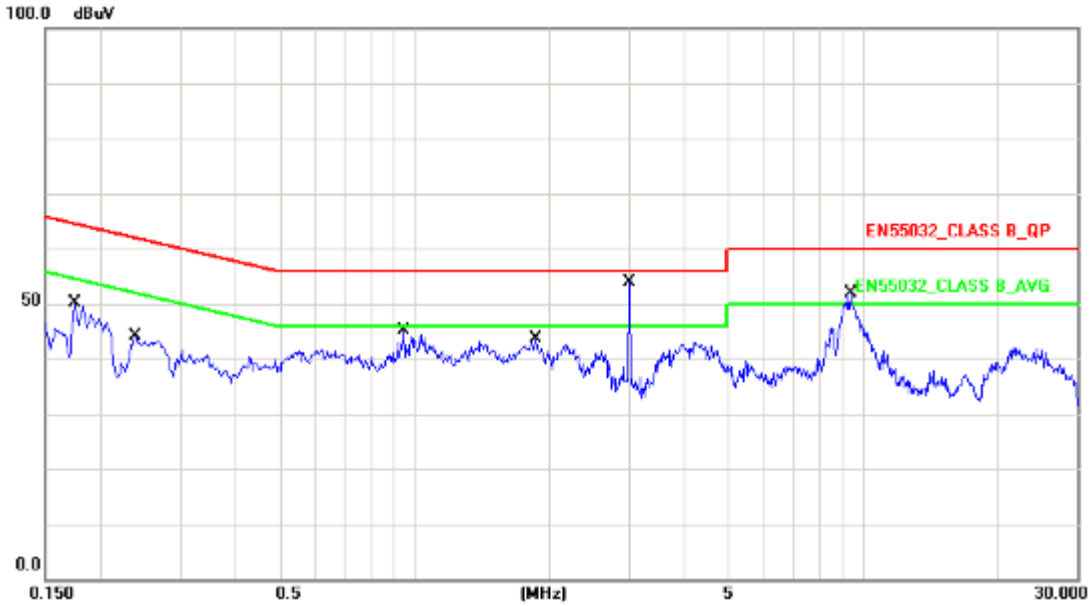
Test Mode :	Mode 23: Full system (Display mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	LINE
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	10.25	37.57	47.82	64.39	-16.57	QP
2	0.1819	10.25	25.09	35.34	54.39	-19.05	AVG
3	0.2020	10.25	36.60	46.85	63.52	-16.67	QP
4	0.2020	10.25	23.75	34.00	53.52	-19.52	AVG
5	0.2580	10.27	31.97	42.24	61.49	-19.25	QP
6	0.2580	10.27	19.51	29.78	51.49	-21.71	AVG
7	2.4060	10.30	16.28	26.58	56.00	-29.42	QP
8	2.4060	10.30	7.40	17.70	46.00	-28.30	AVG
9	2.7180	10.30	20.23	30.53	56.00	-25.47	QP
10	2.7180	10.30	11.80	22.10	46.00	-23.90	AVG
11	9.2140	10.35	33.75	44.10	60.00	-15.90	QP
12	9.2140	10.35	24.07	34.42	50.00	-15.58	AVG

Note: Measurement Level = Reading Level + Correct Factor

Test Mode :	Mode 23: Full system (Display mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Phase :	NEUTRAL
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	52%
Pressure(mbar) :	1001	Date:	2016/08/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	10.21	33.69	43.90	64.76	-20.86	QP
2	0.1740	10.21	17.41	27.62	54.76	-27.14	AVG
3	0.2380	10.23	30.12	40.35	62.16	-21.81	QP
4	0.2380	10.23	16.81	27.04	52.16	-25.12	AVG
5	0.9460	10.31	28.44	38.75	56.00	-17.25	QP
6	0.9460	10.31	19.94	30.25	46.00	-15.75	AVG
7	1.8660	10.48	28.33	38.81	56.00	-17.19	QP
8	1.8660	10.48	21.38	31.86	46.00	-14.14	AVG
9	3.0140	10.51	22.88	33.39	56.00	-22.61	QP
10	3.0140	10.51	17.20	27.71	46.00	-18.29	AVG
11	9.3700	10.61	34.05	44.66	60.00	-15.34	QP
12	9.3700	10.61	24.35	34.96	50.00	-15.04	AVG

Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Sun. Zhang

4.5.2 Conducted Emission for Telecommunication Port Test Data

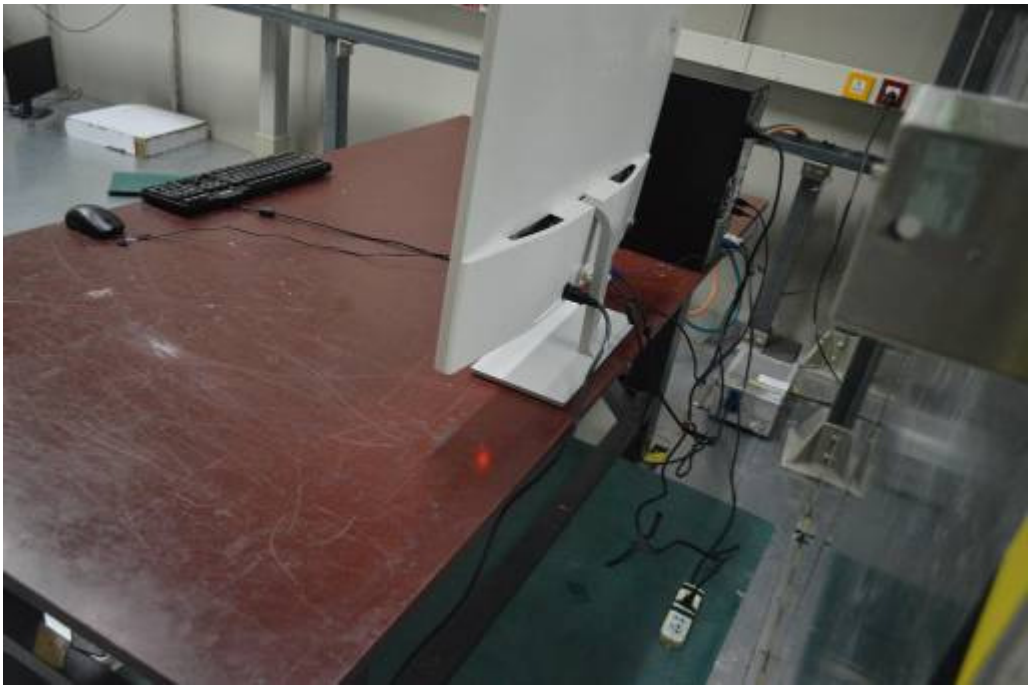
Note: The EUT doesn't have the telecommunication port.

4.6. Test Photographs of Power Port

Main board 1#

Front View

Rear View



Main board 2#

Front View

Rear View

5. Test of Radiated Emission

5.1. Test Limit

The EUT shall meet the limits of below Table when measured at the measuring distance R in accordance with the methods described in European Standard EN 55032. If the reading on the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the highest reading shall be recorded, with the exception of any brief isolated high reading, which shall be ignored.

Table 1 – Required highest frequency for radiated measurement

Highest internal frequency (F_x)	Highest measured frequency
$F_x \leq 108$ MHz	1 GHz
108 MHz < $F_x \leq 500$ MHz	2 GHz
500 MHz < $F_x \leq 1$ GHz	5 GHz
$F_x > 1$ GHz	$5 \times F_x$ up to a maximum of 6 GHz
NOTE 1 For FM and TV broadcast receivers, F_x is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies. NOTE 2 F_x is defined in 3.1.19.	

Where the F_x is unknown, the radiated emission measurements shall be performed up to 6 GHz.

Table A.2 – Requirements for radiated emissions at frequencies up to 1 GHz for Class A equipment

Table clause	Frequency range MHz	Measurement		Class A limits dB(µV/m)
		Distance m	Detector type/ bandwidth	OATS/SAC (see Table A.1)
A2.1	30 – 230	10	Quasi Peak / 120 kHz	40
	230 – 1 000			47
A2.2	30 – 230	3		50
	230 – 1 000			57
NOTE Apply only A2.1 or A2.2 across the entire frequency range.				

Table A.3 – Requirements for radiated emissions at frequencies above 1 GHz for Class A equipment

Table clause	Frequency range MHz	Measurement		Class A limits dB(µV/m)
		Distance m	Detector type/ bandwidth	FSOATS (see Table A.1)
A3.1	1 000 – 3 000	3	Average / 1 MHz	56
	3 000 – 6 000			60
A3.2	1 000 – 3 000		Peak / 1 MHz	76
	3 000 – 6 000			80
NOTE Apply A3.1 and A3.2 across the frequency range from 1 000 MHz to the highest required frequency of measurement derived from Table 1.				

Table A.4 – Requirements for radiated emissions at frequencies up to 1 GHz for Class B equipment

Table clause	Frequency range MHz	Measurement		Class B limits dB(µV/m)
		Distance m	Detector type/ bandwidth	OATS/SAC (see Table A.1)
A4.1	30 – 230	10	Quasi Peak / 120 kHz	30
	230 – 1 000			37
A4.2	30 – 230	3		40
	230 – 1 000			47
NOTE Apply only table clause A4.1 or A4.2 across the entire frequency range.				

Table A.5 – Requirements for radiated emissions at frequencies above 1 GHz for Class B equipment

Table clause	Frequency range MHz	Measurement		Class B limits dB(µV/m)
		Distance m	Detector type/ bandwidth	FSOATS (see Table A.1)
A5.1	1 000 – 3 000	3	Average/ 1 MHz	50
	3 000 – 6 000			54
A5.2	1 000 – 3 000		Peak/ 1 MHz	70
	3 000 – 6 000			74
NOTE Apply A5.1 and A5.2 across the frequency range from 1 000 MHz to the highest required frequency of measurement derived from Table 1.				

Table A.6 – Requirements for radiated emissions from FM receivers

Table clause	Frequency range MHz	Measurement		Class B limit dB(µV/m)	
		Distance m	Detector type/ bandwidth	Fundamental	Harmonics
				OATS/SAC (see Table A.1)	OATS/SAC (see Table A.1)
A6.1	30 – 230	10	Quasi peak/ 120 kHz	50	42
	230 – 300				42
	300 – 1 000				46
A6.2	30 – 230	3		60	52
	230 – 300				52
	300 – 1 000				56
NOTE 1 Apply only A.6.1 or A.6.2 across the entire frequency range. NOTE 2 These relaxed limits apply only to emissions at the fundamental and harmonic frequencies of the local oscillator. Signals at all other frequencies shall be compliant with the limits given in Table A.4.					

Table A.12 – Requirements for conducted differential voltage emissions from Class B equipment

Applicable to
1. TV broadcast receiver tuner ports (3.1.8) with an accessible connector
2. RF modulator output ports (3.1.27)
3. FM broadcast receiver tuner ports (3.1.8) with an accessible connector

Table clause	Frequency range MHz	Detector type/ bandwidth	Class B limits dB(μV) 75 Ω			Applicability
			Other	Local Oscillator Fundamental	Local Oscillator Harmonics	
A12.1	30 – 950	For frequencies ≤1 GHz Quasi Peak/ 120 kHz	46	46	46	See NOTE 1
	950 – 2 150		46	54	54	
A12.2	950 – 2 150		46	54	54	See NOTE 2
A12.3	30 – 300		46	54	50	See NOTE 3
	300 – 1 000				52	
A12.4	30 – 300	For frequencies ≥1 GHz Peak/ 1 MHz	46	66	59	See NOTE 4
	300 – 1 000				52	
A12.5	30 – 950		46	76	46	See NOTE 5
	950 – 2 150			n/a	54	

NOTE 1 Television receivers (analogue or digital), video recorders and PC TV broadcast receiver tuner cards working in channels between 30 MHz and 1 GHz, and digital audio receivers.

NOTE 2 Tuner units (not the LNB) for satellite signal reception.

NOTE 3 Frequency modulation audio receivers and PC tuner cards.

NOTE 4 Frequency modulation car radios.

NOTE 5 Applicable to EUTs with RF modulator output ports (for example DVD equipment, video recorders, camcorders and decoders etc.) designed to connect to TV broadcast receiver tuner ports.

NOTE 6 Testing is required at only one EUT supply voltage and frequency.

NOTE 7 The term 'other' refers to all emissions other than the fundamental and the harmonics of the local oscillator.

NOTE 8 The test shall be performed with the device operating at each reception channel.

NOTE 9 The test shall cover the entire frequency range.

5.2. Test Procedures

a. The EUT was placed on a rotatable table top 0.8 meter above ground.
b. The EUT was set 3/10 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a half wave dipole and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
f. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.

5.3. Typical Test Setup

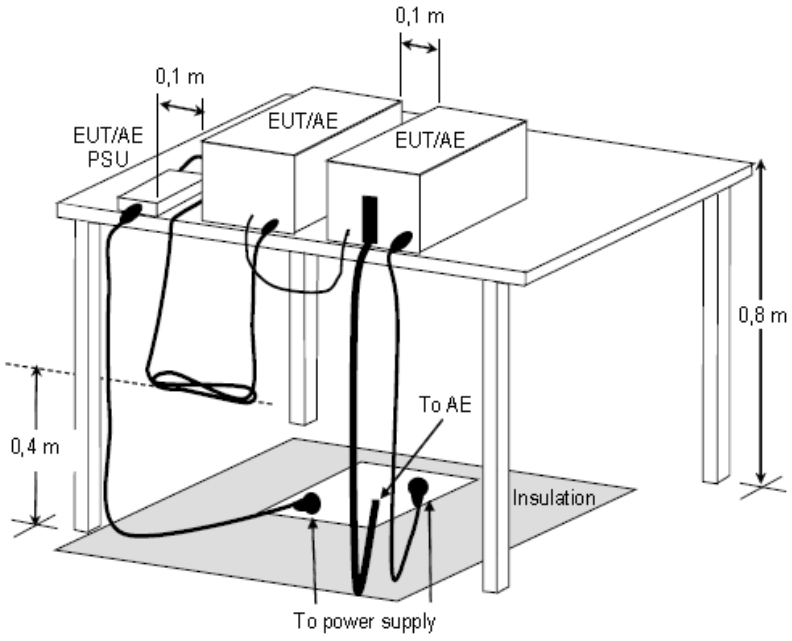


Figure D.8 – Example measurement arrangement for table-top EUT (Radiated emission measurement)

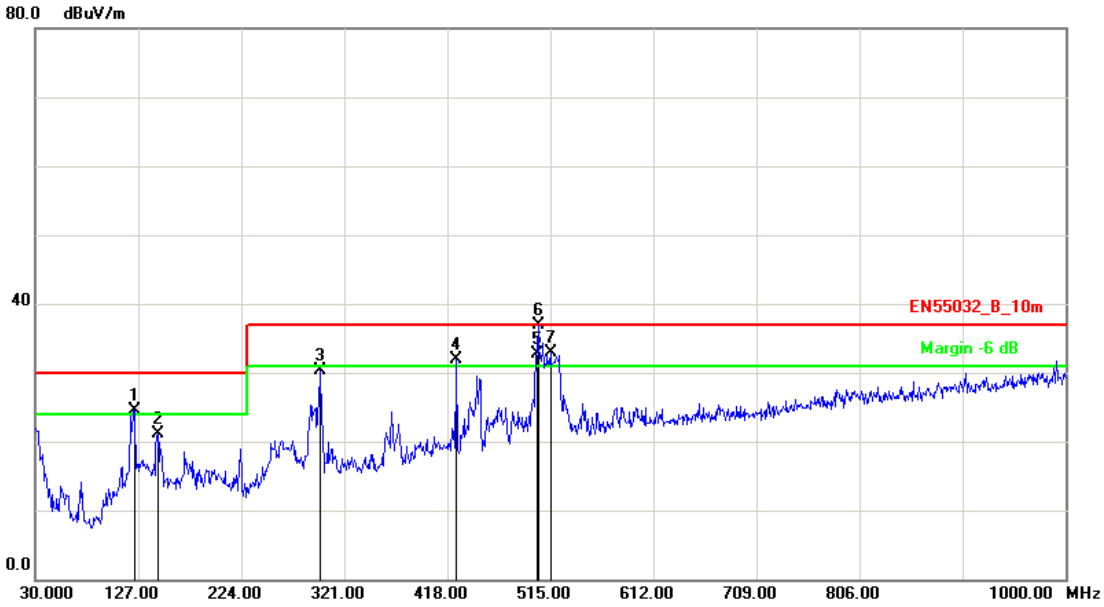
5.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Test Receiver	R&S	ESCI7	100968	2016.03.26	2017.03.25
Preamplifier	Agilent	87405B	My39500554	2016.03.26	2017.03.25
Preamplifier	Agilent	8449B	3008A02342	2016.03.26	2017.03.25
Bilog Antenna	Sunol Science	JB1	A072414-1	2016.04.16	2017.04.15
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-618	2016.04.16	2017.04.15
Spectrum Analyzer	R&S	FSP40	100324	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-001	2016.03.29	2017.03.28
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A

5.5. Test Result and Data (30MHz ~ 1GHz)

Main board 1#

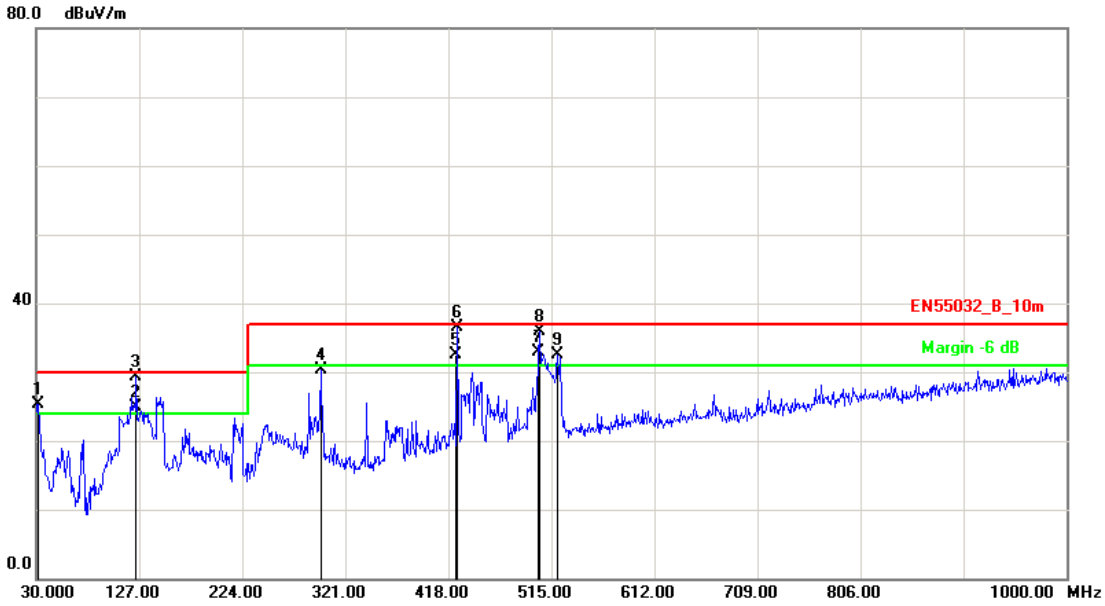
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	123.1200	-9.69	34.18	24.49	30.00	-5.51	peak	100	1
2	145.4299	-10.54	31.74	21.20	30.00	-8.80	peak	100	1
3	298.6899	-8.76	38.98	30.22	37.00	-6.78	peak	100	216
4	426.7300	-5.10	37.07	31.97	37.00	-5.03	peak	100	69
5	502.1600	-2.97	35.74	32.77	37.00	-4.23	QP	100	330
6	503.3600	-2.94	39.75	36.81	37.00	-0.19	peak	100	330
7	515.0000	-2.71	35.71	33.00	37.00	-4.00	peak	100	284

Note: Measurement Level = Reading Level + Correct Factor

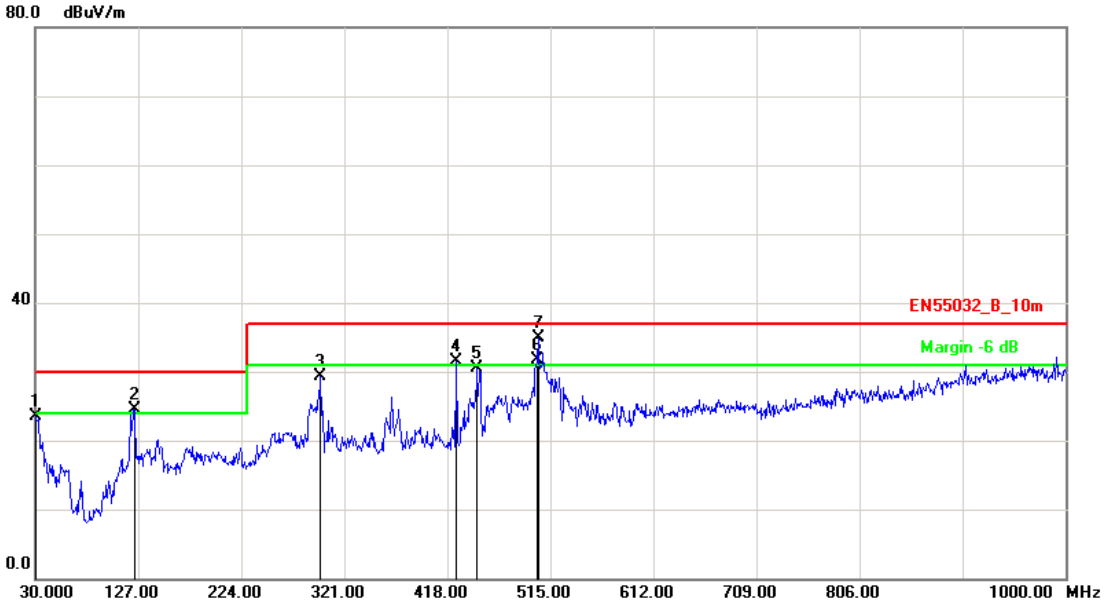
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-4.66	29.99	25.33	30.00	-4.67	peak	100	312
2	123.5400	-9.70	34.66	24.96	30.00	-5.04	QP	100	298
3	124.0900	-9.73	38.97	29.24	30.00	-0.76	peak	100	298
4	297.7200	-8.77	38.98	30.21	37.00	-6.79	peak	100	199
5	425.6100	-5.13	37.69	32.56	37.00	-4.44	QP	100	307
6	426.7300	-5.10	41.67	36.57	37.00	-0.43	peak	100	307
7	502.6800	-2.96	35.78	32.82	37.00	-4.18	QP	100	193
8	503.3600	-2.94	38.75	35.81	37.00	-1.19	peak	100	193
9	520.8200	-2.60	35.13	32.53	37.00	-4.47	peak	100	14

Note: Measurement Level = Reading Level + Correct Factor

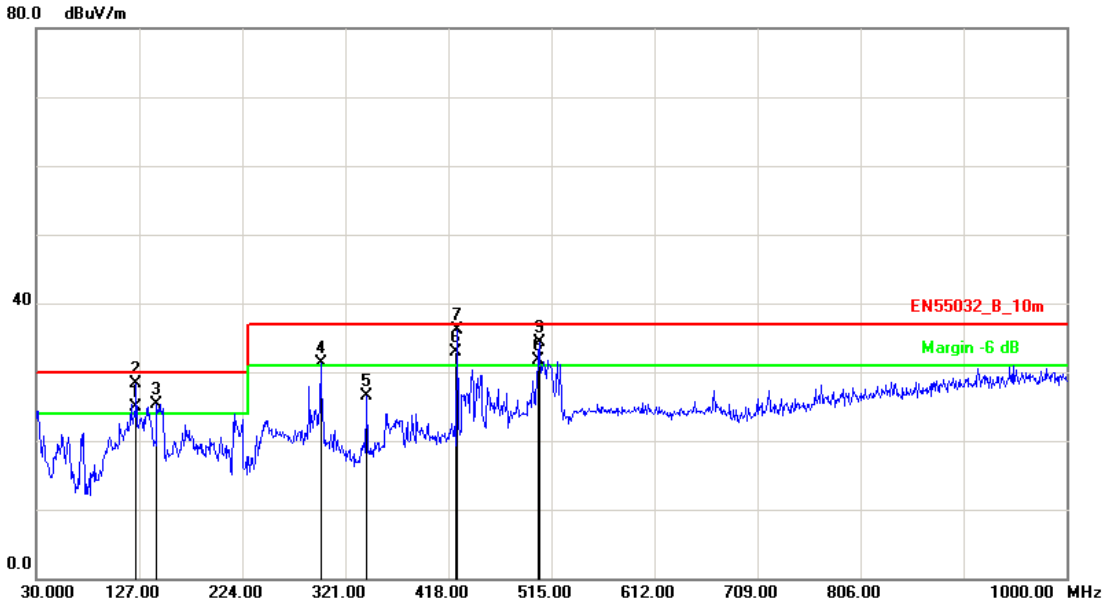
Test Mode :	Mode 4: Full system (DVI mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	30.0000	-3.26	26.72	23.46	30.00	-6.54	peak	200	154
2	123.1200	-9.69	34.18	24.49	30.00	-5.51	peak	100	236
3	298.6899	-8.76	37.98	29.22	37.00	-7.78	peak	200	0
4	426.7300	-5.10	36.57	31.47	37.00	-5.53	peak	200	0
5	446.1299	-4.65	35.10	30.45	37.00	-6.55	peak	200	112
6	502.6300	-2.96	34.68	31.72	37.00	-5.28	QP	200	258
7	503.3600	-2.94	37.75	34.81	37.00	-2.19	peak	200	258

Note: Measurement Level = Reading Level + Correct Factor

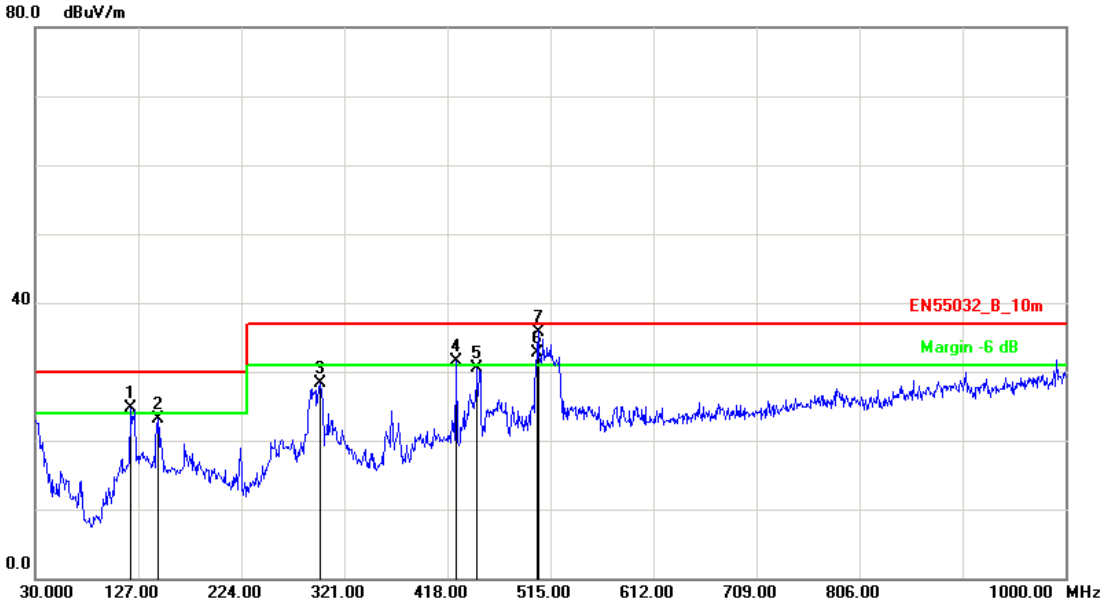
Test Mode :	Mode 4: Full system (DVI mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	123.6400	-9.71	34.58	24.87	30.00	-5.13	QP	100	157
2	124.0900	-9.73	37.97	28.24	30.00	-1.76	peak	100	157
3	143.4900	-10.50	35.85	25.35	30.00	-4.65	peak	200	0
4	297.7200	-8.77	39.98	31.21	37.00	-5.79	peak	100	360
5	341.3700	-7.73	34.26	26.53	37.00	-10.47	peak	200	217
6	425.1600	-5.14	38.12	32.98	37.00	-4.02	QP	100	18
7	426.7300	-5.10	41.17	36.07	37.00	-0.93	peak	100	18
8	502.9100	-2.95	34.66	31.71	37.00	-5.29	QP	100	324
9	503.3600	-2.94	37.25	34.31	37.00	-2.69	peak	100	324

Note: Measurement Level = Reading Level + Correct Factor

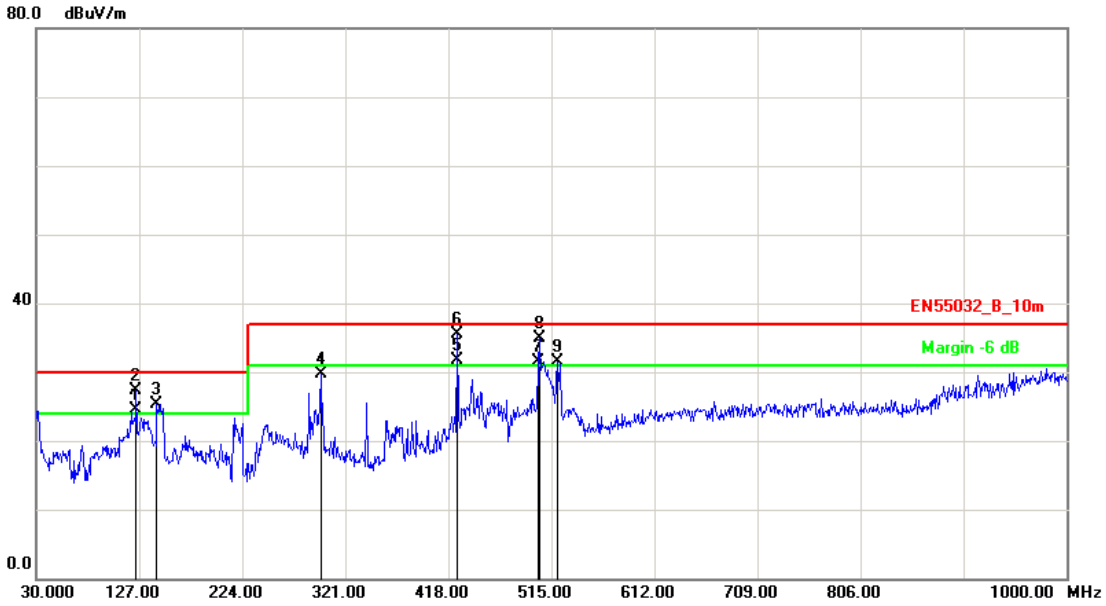
Test Mode :	Mode 8: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	120.2099	-9.56	34.23	24.67	30.00	-5.33	peak	200	147
2	145.4299	-10.54	33.74	23.20	30.00	-6.80	peak	200	215
3	298.6899	-8.76	36.98	28.22	37.00	-8.78	peak	100	302
4	426.7300	-5.10	36.57	31.47	37.00	-5.53	peak	200	0
5	446.1299	-4.65	35.10	30.45	37.00	-6.55	peak	100	169
6	502.1000	-2.97	35.69	32.72	37.00	-4.28	QP	200	224
7	503.3600	-2.94	38.74	35.80	37.00	-1.20	peak	200	224

Note: Measurement Level = Reading Level + Correct Factor

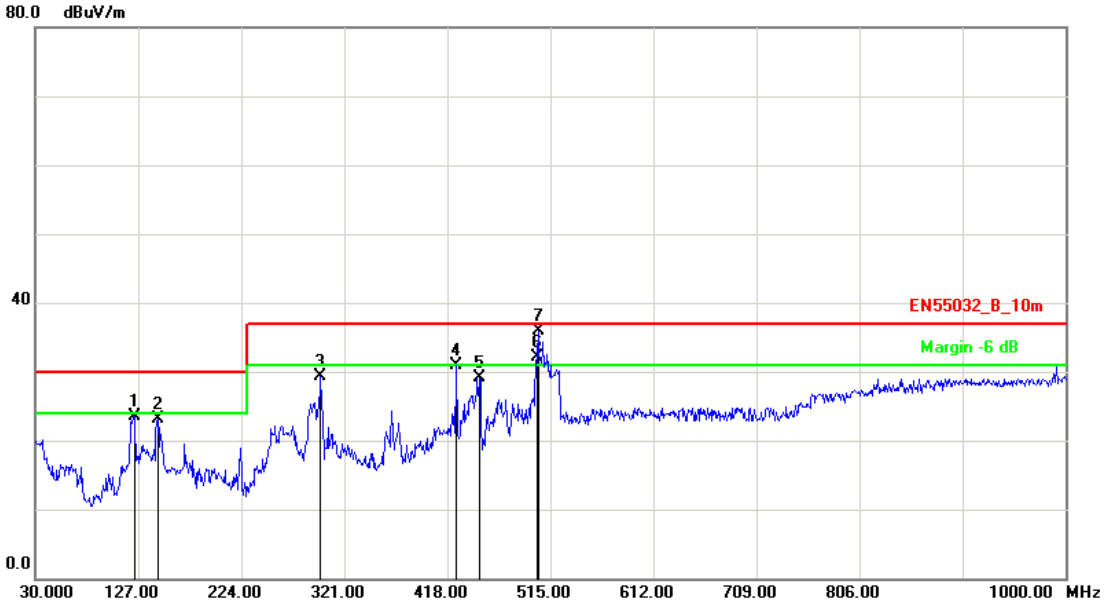
Test Mode :	Mode 8: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	123.5100	-9.70	34.12	24.42	30.00	-5.58	QP	100	115
2	124.0900	-9.73	36.97	27.24	30.00	-2.76	peak	100	115
3	143.4900	-10.50	35.85	25.35	30.00	-4.65	peak	200	203
4	297.7200	-8.77	38.48	29.71	37.00	-7.29	peak	200	14
5	425.8800	-5.12	36.89	31.77	37.00	-5.23	QP	100	360
6	426.7300	-5.10	40.67	35.57	37.00	-1.43	peak	100	360
7	502.4600	-2.96	34.51	31.55	37.00	-5.45	QP	200	274
8	503.3600	-2.94	37.75	34.81	37.00	-2.19	peak	200	274
9	520.8200	-2.60	34.13	31.53	37.00	-5.47	peak	100	196

Note: Measurement Level = Reading Level + Correct Factor

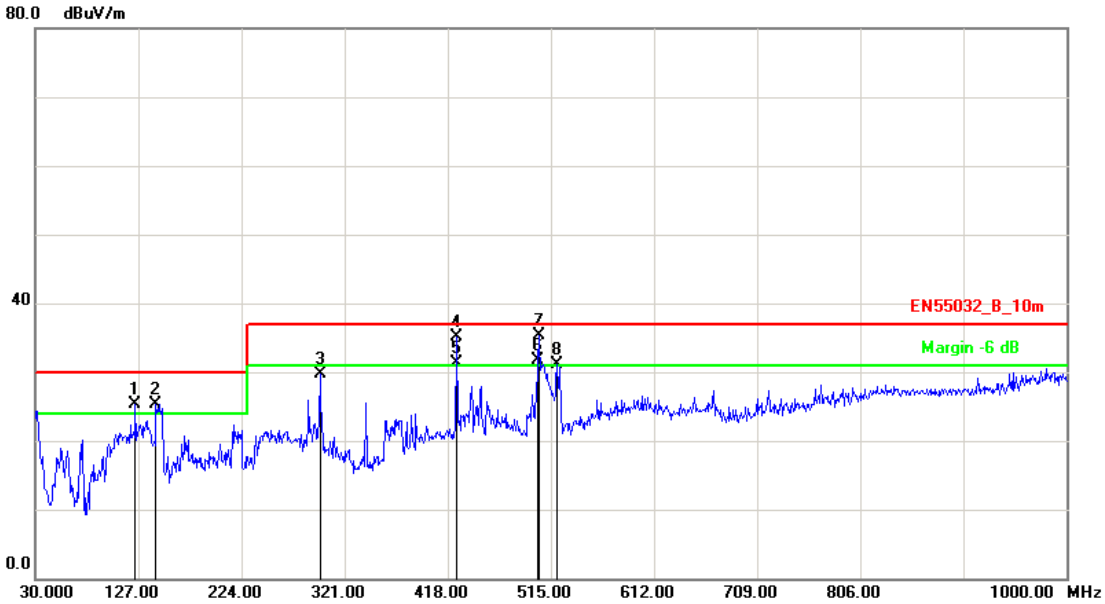
Test Mode :	Mode 11: Full system (DVI mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	123.1200	-9.69	33.18	23.49	30.00	-6.51	peak	200	163
2	145.4299	-10.54	33.74	23.20	30.00	-6.80	peak	200	163
3	298.6899	-8.76	37.98	29.22	37.00	-7.78	peak	100	241
4	426.7300	-5.10	36.07	30.97	37.00	-6.03	peak	200	118
5	448.0699	-4.60	33.68	29.08	37.00	-7.92	peak	100	329
6	502.6800	-2.96	35.10	32.14	37.00	-4.86	QP	200	358
7	503.3600	-2.94	38.76	35.82	37.00	-1.18	peak	200	358

Note: Measurement Level = Reading Level + Correct Factor

Test Mode :	Mode 11: Full system (DVI mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06

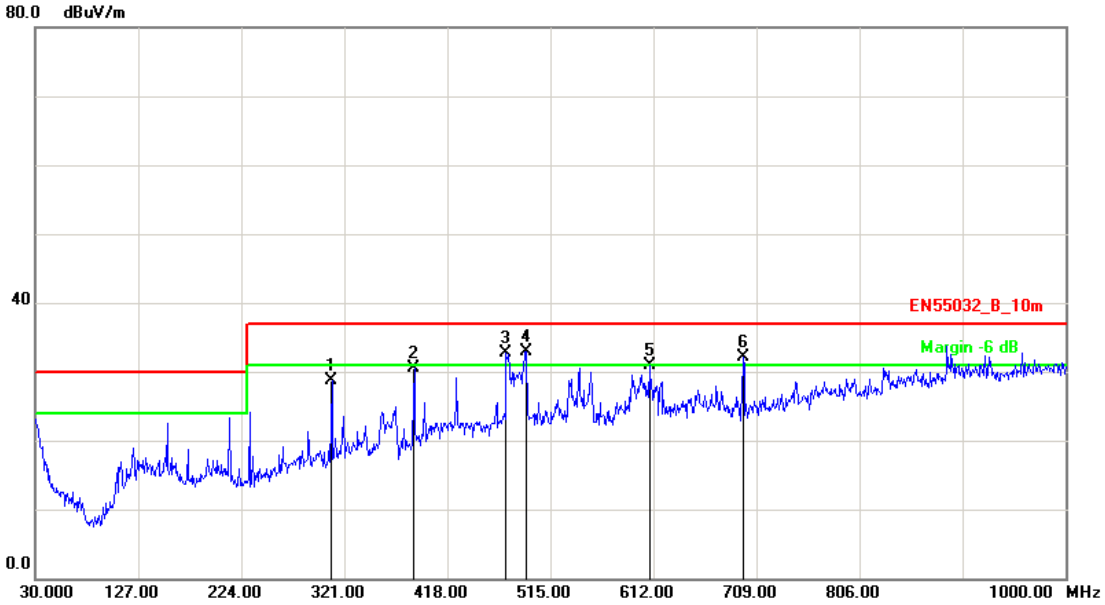


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	124.0900	-9.73	34.97	25.24	30.00	-4.76	peak	100	158
2	143.4900	-10.50	35.85	25.35	30.00	-4.65	peak	100	213
3	297.7200	-8.77	38.48	29.71	37.00	-7.29	peak	200	0
4	426.7300	-5.10	40.17	35.07	37.00	-1.93	peak	100	116
5	426.9800	-5.10	36.39	31.29	37.00	-5.71	QP	100	116
6	502.3900	-2.96	34.74	31.78	37.00	-5.22	QP	200	241
7	503.3600	-2.94	38.25	35.31	37.00	-1.69	peak	200	241
8	520.8200	-2.60	33.63	31.03	37.00	-5.97	peak	100	360

Note: Measurement Level = Reading Level + Correct Factor

Main board 2#

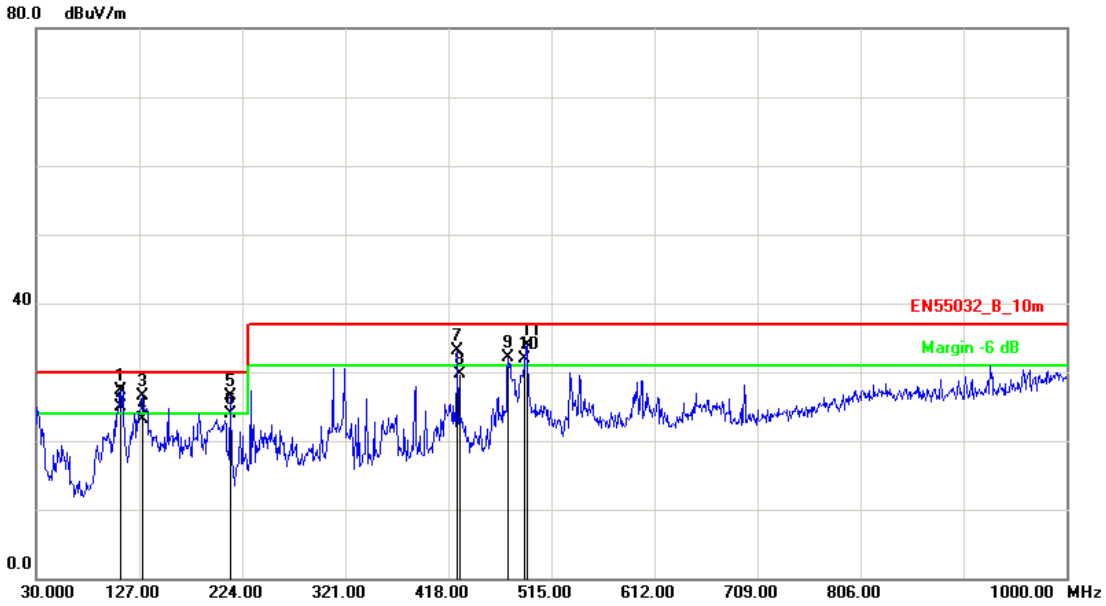
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	309.3599	-8.41	37.07	28.66	37.00	-8.34	peak	400	331
2	386.9599	-5.98	36.52	30.54	37.00	-6.46	peak	100	58
3	473.2900	-3.88	36.54	32.66	37.00	-4.34	peak	400	124
4	492.6899	-3.25	36.25	33.00	37.00	-4.00	peak	100	0
5	608.1200	-1.13	31.99	30.86	37.00	-6.14	peak	100	284
6	696.3899	-0.17	32.28	32.11	37.00	-4.89	peak	400	29

Note: Measurement Level = Reading Level + Correct Factor

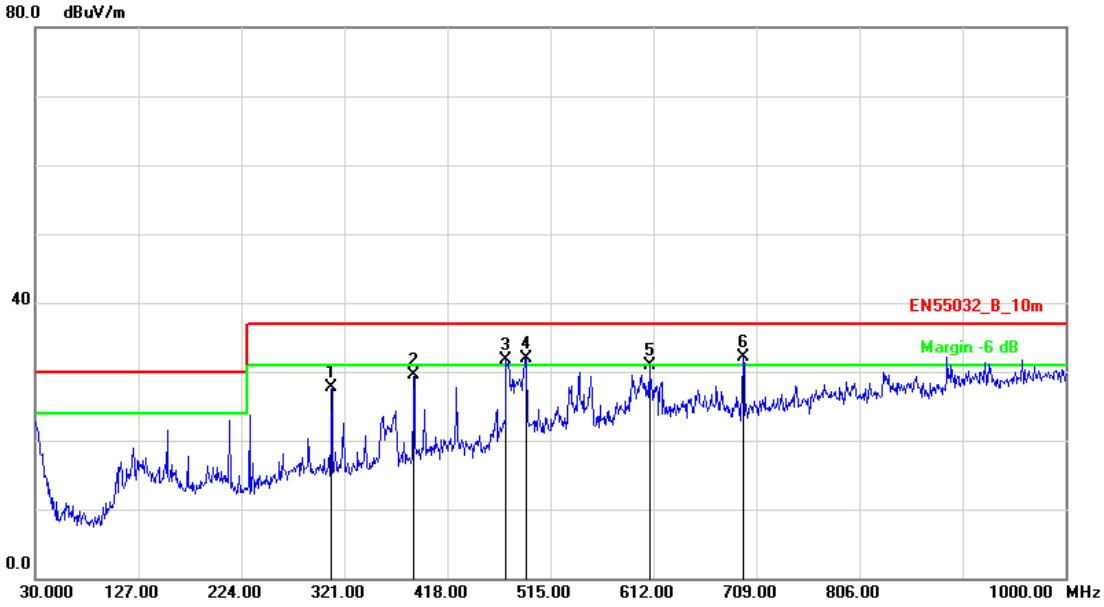
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	109.5400	-11.77	39.11	27.34	30.00	-2.66	peak	100	162
2	109.7800	-11.72	36.55	24.83	30.00	-5.17	QP	100	162
3	129.9098	-9.98	36.42	26.44	30.00	-3.56	peak	100	351
4	130.5399	-10.01	33.19	23.18	30.00	-6.82	QP	100	351
5	212.3600	-11.16	37.68	26.52	30.00	-3.48	peak	100	24
6	213.6200	-11.29	35.21	23.92	30.00	-6.08	QP	100	24
7	426.7300	-5.10	38.18	33.08	37.00	-3.92	peak	400	0
8	428.7300	-5.05	34.78	29.73	37.00	-7.27	QP	400	0
9	474.2599	-3.85	35.98	32.13	37.00	-4.87	peak	100	184
10	490.3000	-3.33	35.20	31.87	37.00	-5.13	QP	400	39
11	491.7200	-3.28	37.10	33.82	37.00	-3.18	peak	400	39

Note: Measurement Level = Reading Level + Correct Factor

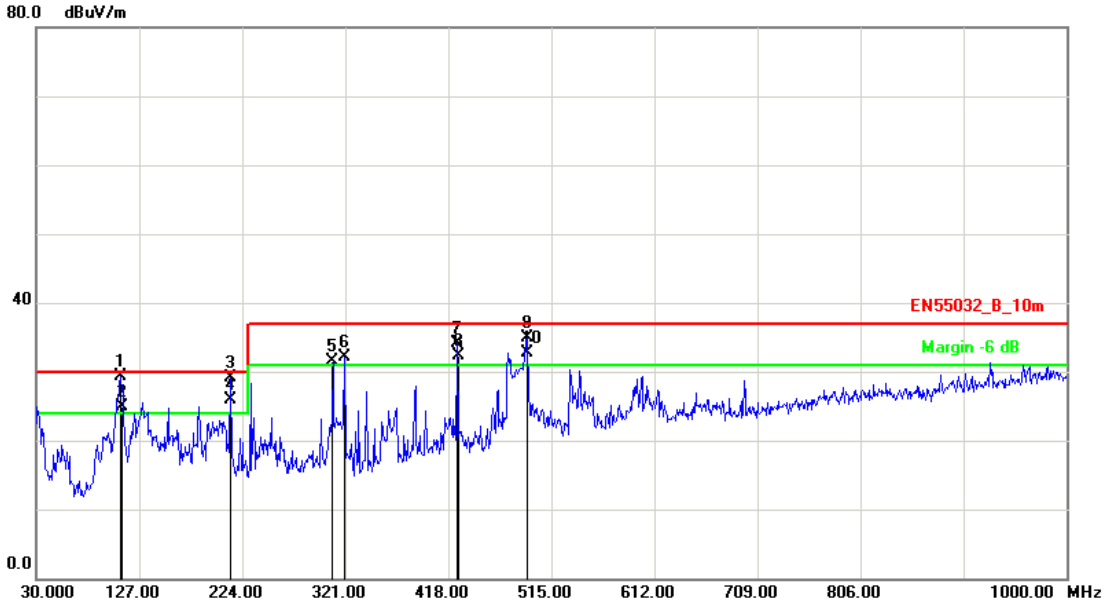
Test Mode :	Mode 4: Full system (DVI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	309.3599	-8.41	36.07	27.66	37.00	-9.34	peak	100	139
2	386.9599	-5.98	35.52	29.54	37.00	-7.46	peak	100	188
3	473.2900	-3.88	35.54	31.66	37.00	-5.34	peak	400	231
4	492.6899	-3.25	35.25	32.00	37.00	-5.00	peak	400	231
5	608.1200	-1.13	31.99	30.86	37.00	-6.14	peak	100	302
6	696.3899	-0.17	32.28	32.11	37.00	-4.89	peak	400	277

Note: Measurement Level = Reading Level + Correct Factor

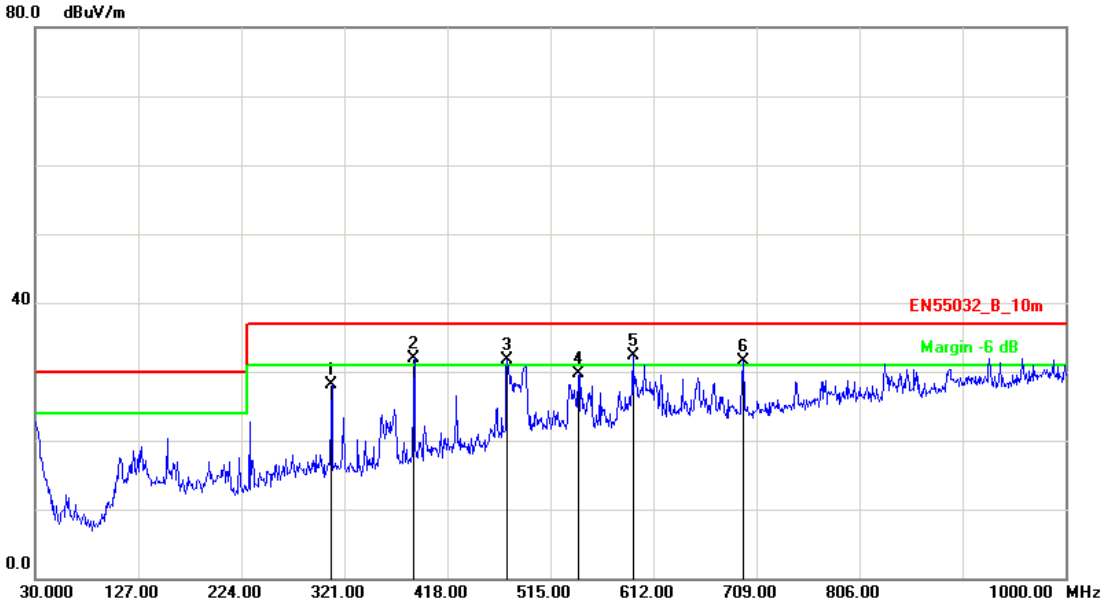
Test Mode :	Mode 4: Full system (DVI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	109.5400	-11.77	41.11	29.34	30.00	-0.66	peak	100	154
2	110.2500	-11.62	36.58	24.96	30.00	-5.04	QP	100	154
3	212.3600	-11.16	40.18	29.02	30.00	-0.98	peak	100	0
4	213.5100	-11.28	37.15	25.87	30.00	-4.13	QP	100	0
5	309.3599	-8.41	39.82	31.41	37.00	-5.59	peak	400	357
6	320.0299	-8.02	40.09	32.07	37.00	-4.93	peak	400	19
7	426.7300	-5.10	39.18	34.08	37.00	-2.92	peak	100	284
8	427.2100	-5.09	37.46	32.37	37.00	-4.63	QP	100	284
9	491.7200	-3.28	38.10	34.82	37.00	-2.18	peak	400	130
10	492.0800	-3.27	36.02	32.75	37.00	-4.25	QP	400	130

Note: Measurement Level = Reading Level + Correct Factor

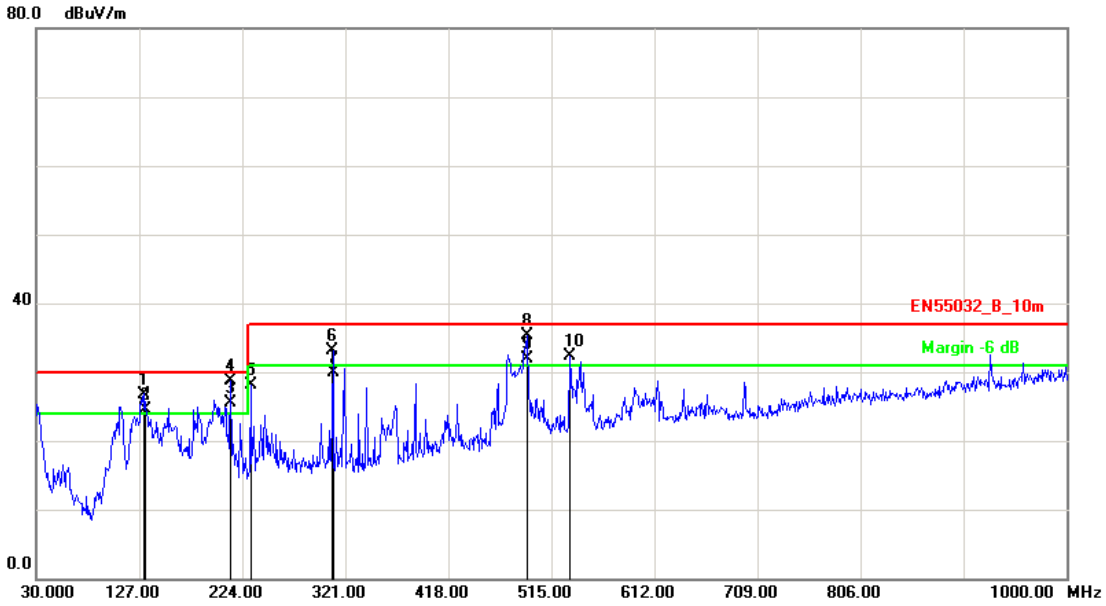
Test Mode :	Mode 7: Full system (HDMI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	309.3599	-8.41	36.55	28.14	37.00	-8.86	peak	100	138
2	386.9599	-5.98	37.87	31.89	37.00	-5.11	peak	100	177
3	474.2599	-3.85	35.53	31.68	37.00	-5.32	peak	100	238
4	542.1599	-2.18	31.86	29.68	37.00	-7.32	peak	100	13
5	592.6000	-1.35	33.74	32.39	37.00	-4.61	peak	100	313
6	696.3899	-0.17	31.65	31.48	37.00	-5.52	peak	100	261

Note: Measurement Level = Reading Level + Correct Factor

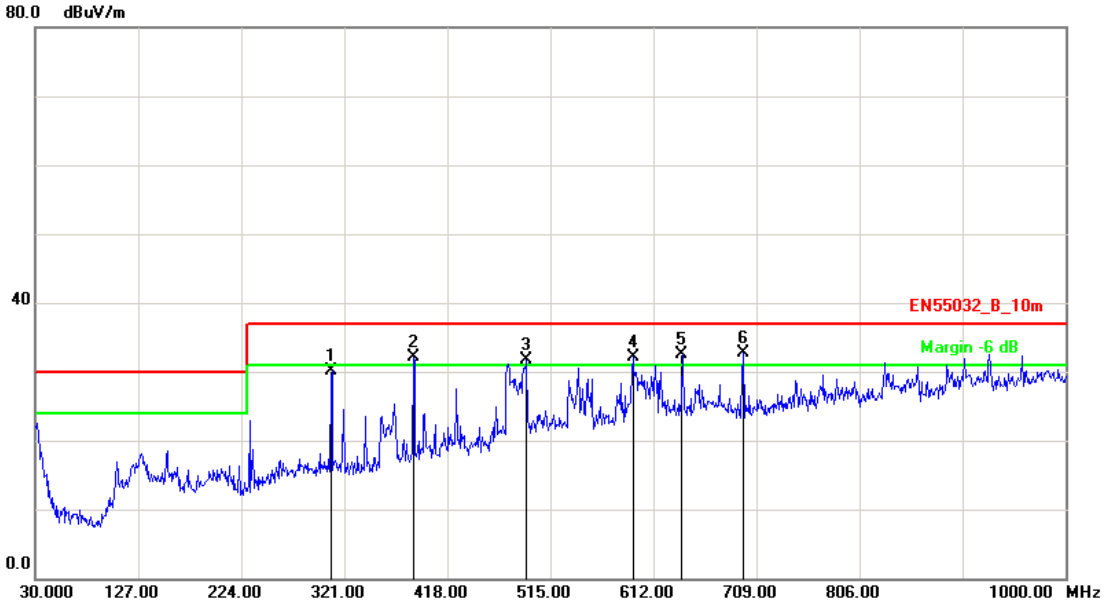
Test Mode :	Mode 7: Full system (HDMI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	131.8500	-10.07	36.87	26.80	30.00	-3.20	peak	400	217
2	132.5399	-10.10	34.51	24.41	30.00	-5.59	QP	400	217
3	212.5700	-11.18	36.74	25.56	30.00	-4.44	QP	400	359
4	213.3300	-11.26	39.92	28.66	30.00	-1.34	peak	400	359
5	231.7600	-11.29	39.37	28.08	37.00	-8.92	peak	100	314
6	309.3599	-8.41	41.51	33.10	37.00	-3.90	peak	100	173
7	310.4800	-8.37	38.30	29.93	37.00	-7.07	QP	100	173
8	491.7200	-3.28	38.63	35.35	37.00	-1.65	peak	100	171
9	492.6100	-3.25	35.19	31.94	37.00	-5.06	QP	100	171
10	532.4600	-2.37	34.70	32.33	37.00	-4.67	peak	100	35

Note: Measurement Level = Reading Level + Correct Factor

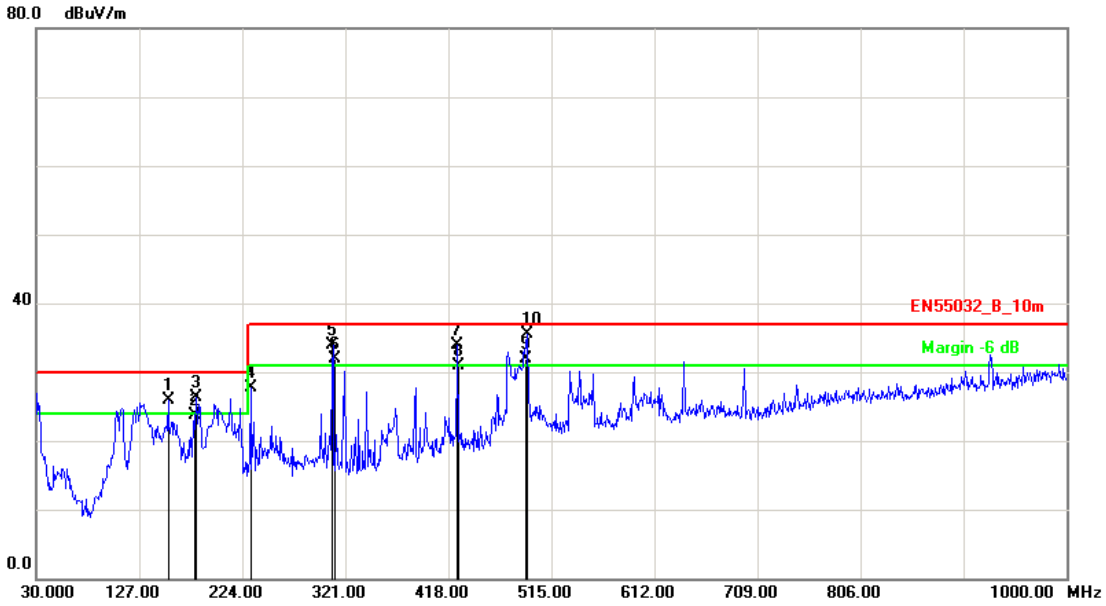
Test Mode :	Mode 10: Full system (Display mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	309.3599	-8.41	38.50	30.09	37.00	-6.91	peak	100	321
2	385.9900	-6.03	38.10	32.07	37.00	-4.93	peak	100	179
3	492.6899	-3.25	34.89	31.64	37.00	-5.36	peak	400	235
4	592.6000	-1.35	33.51	32.16	37.00	-4.84	peak	100	317
5	639.1599	-0.55	33.03	32.48	37.00	-4.52	peak	400	83
6	696.3899	-0.17	32.87	32.70	37.00	-4.30	peak	100	278

Note: Measurement Level = Reading Level + Correct Factor

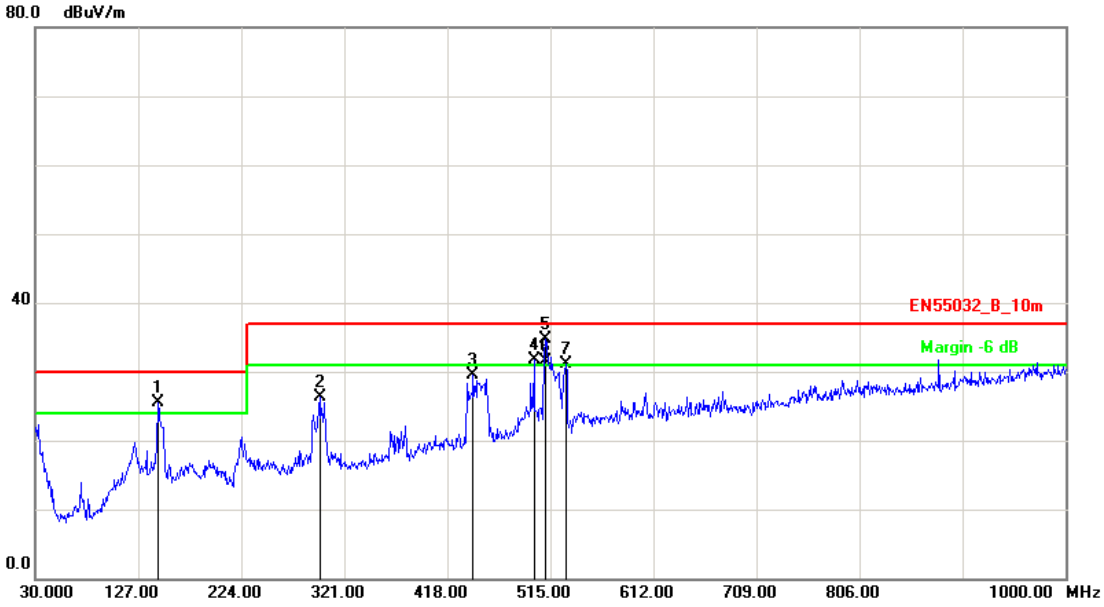
Test Mode :	Mode 10: Full system (Display mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	154.1600	-10.73	36.55	25.82	30.00	-4.18	peak	100	156
2	179.3800	-11.46	35.12	23.66	30.00	-6.34	QP	400	189
3	180.3500	-11.45	37.73	26.28	30.00	-3.72	peak	400	189
4	231.7600	-11.29	38.98	27.69	37.00	-9.31	peak	100	298
5	309.3599	-8.41	42.25	33.84	37.00	-3.16	peak	400	178
6	310.8400	-8.36	40.21	31.85	37.00	-5.15	QP	400	178
7	426.7300	-5.10	39.00	33.90	37.00	-3.10	peak	100	25
8	427.5700	-5.08	36.05	30.97	37.00	-6.03	QP	100	25
9	490.8400	-3.31	35.23	31.92	37.00	-5.08	QP	100	171
10	491.7200	-3.28	38.82	35.54	37.00	-1.46	peak	100	171

Note: Measurement Level = Reading Level + Correct Factor

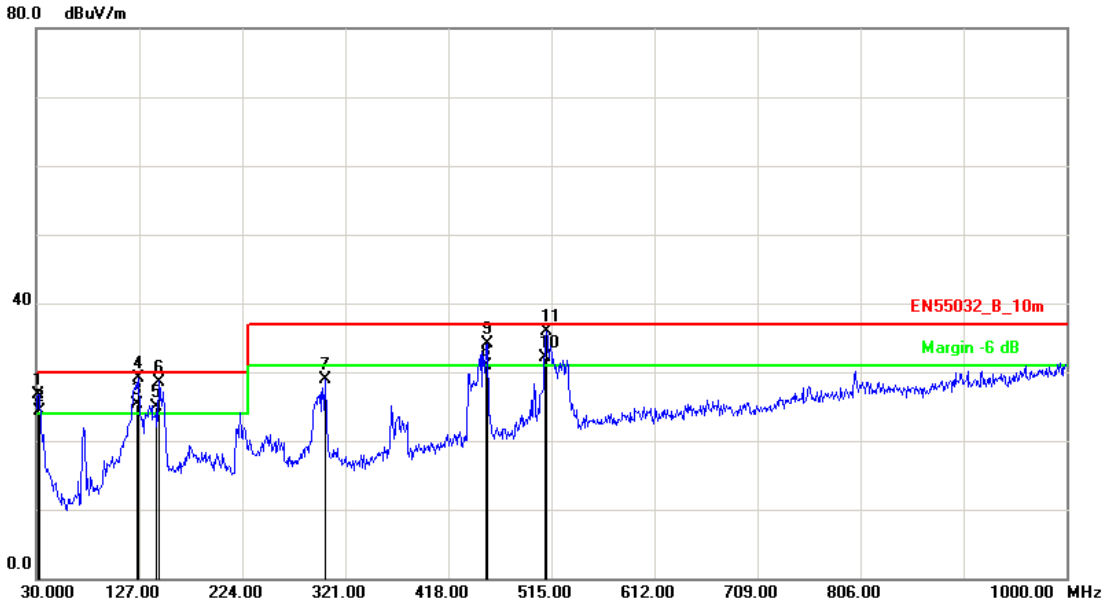
Test Mode :	Mode 14: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	145.4299	-10.54	36.12	25.58	30.00	-4.42	peak	400	162
2	297.7200	-8.77	35.15	26.38	37.00	-10.62	peak	100	0
3	442.2500	-4.74	34.20	29.46	37.00	-7.54	peak	100	115
4	499.4800	-3.03	34.67	31.64	37.00	-5.36	peak	400	136
5	510.1499	-2.81	37.51	34.70	37.00	-2.30	peak	100	214
6	510.6400	-2.80	34.26	31.46	37.00	-5.54	QP	100	214
7	529.5498	-2.43	33.52	31.09	37.00	-5.91	peak	400	359

Note: Measurement Level = Reading Level + Correct Factor

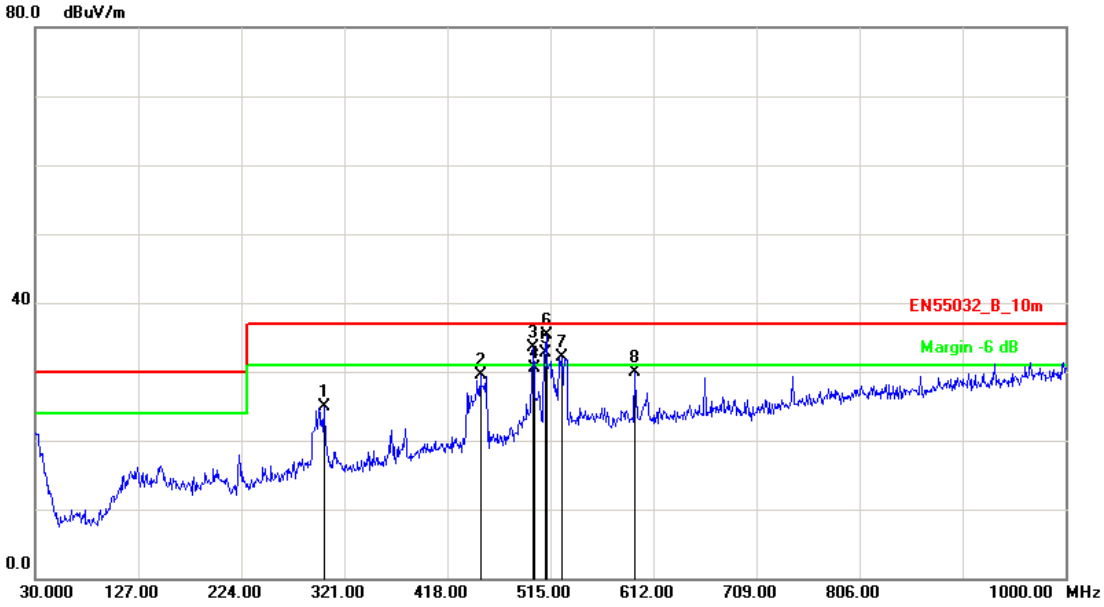
Test Mode :	Mode 14: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-4.66	31.32	26.66	30.00	-3.34	peak	100	37
2	32.5900	-5.13	29.44	24.31	30.00	-5.69	QP	100	37
3	125.3900	-9.78	35.16	25.38	30.00	-4.62	QP	100	328
4	126.0300	-9.81	38.94	29.13	30.00	-0.87	peak	100	328
5	143.6200	-10.50	35.43	24.93	30.00	-5.07	QP	100	307
6	145.4299	-10.54	39.14	28.60	30.00	-1.40	peak	100	307
7	301.6000	-8.70	37.68	28.98	37.00	-8.02	peak	100	33
8	453.6600	-4.47	35.31	30.84	37.00	-6.16	QP	400	13
9	454.8600	-4.44	38.50	34.06	37.00	-2.94	peak	400	13
10	509.4900	-2.82	34.94	32.12	37.00	-4.88	QP	400	360
11	510.1499	-2.81	38.75	35.94	37.00	-1.06	peak	400	5

Note: Measurement Level = Reading Level + Correct Factor

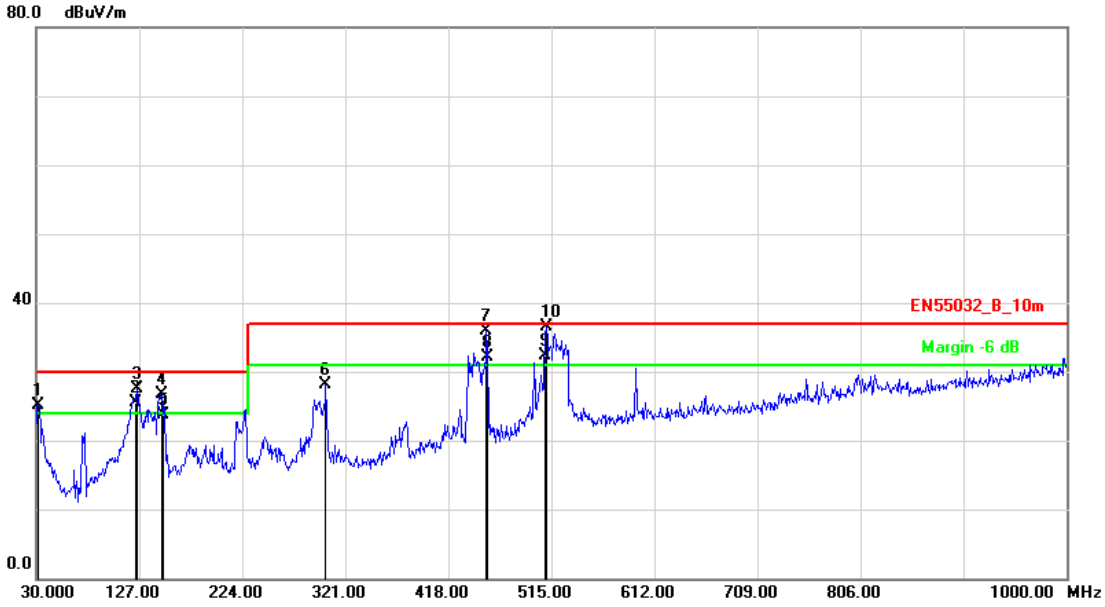
Test Mode :	Mode 17: Full system (DVI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	301.6000	-8.70	33.67	24.97	37.00	-12.03	peak	100	326
2	449.0400	-4.58	34.10	29.52	37.00	-7.48	peak	133	80
3	498.5099	-3.06	36.60	33.54	37.00	-3.46	peak	100	248
4	499.6800	-3.02	33.51	30.49	37.00	-6.51	QP	100	248
5	510.7400	-2.80	35.42	32.62	37.00	-4.38	QP	100	143
6	511.1200	-2.79	38.18	35.39	37.00	-1.61	peak	100	143
7	525.6699	-2.50	34.55	32.05	37.00	-4.95	peak	100	122
8	594.5399	-1.32	31.15	29.83	37.00	-7.17	peak	100	282

Note: Measurement Level = Reading Level + Correct Factor

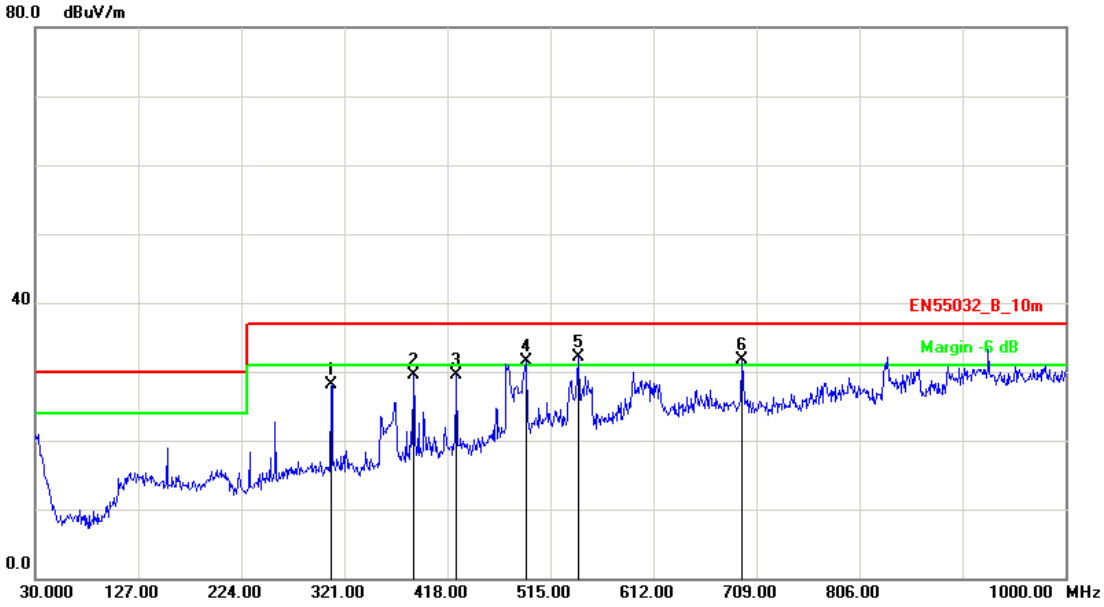
Test Mode :	Mode 17: Full system (DVI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-4.66	29.76	25.10	30.00	-4.90	peak	400	120
2	123.8700	-9.72	35.24	25.52	30.00	-4.48	QP	100	8
3	125.0600	-9.77	37.35	27.58	30.00	-2.42	peak	100	8
4	148.3400	-10.60	37.38	26.78	30.00	-3.22	peak	100	359
5	149.8200	-10.64	34.38	23.74	30.00	-6.26	QP	100	359
6	302.5700	-8.66	36.68	28.02	37.00	-8.98	peak	100	34
7	453.8900	-4.46	40.36	35.90	37.00	-1.10	peak	400	0
8	454.8600	-4.44	36.49	32.05	37.00	-4.95	QP	400	0
9	509.4300	-2.82	35.18	32.36	37.00	-4.64	QP	100	16
10	510.1499	-2.81	39.22	36.41	37.00	-0.59	peak	100	16

Note: Measurement Level = Reading Level + Correct Factor

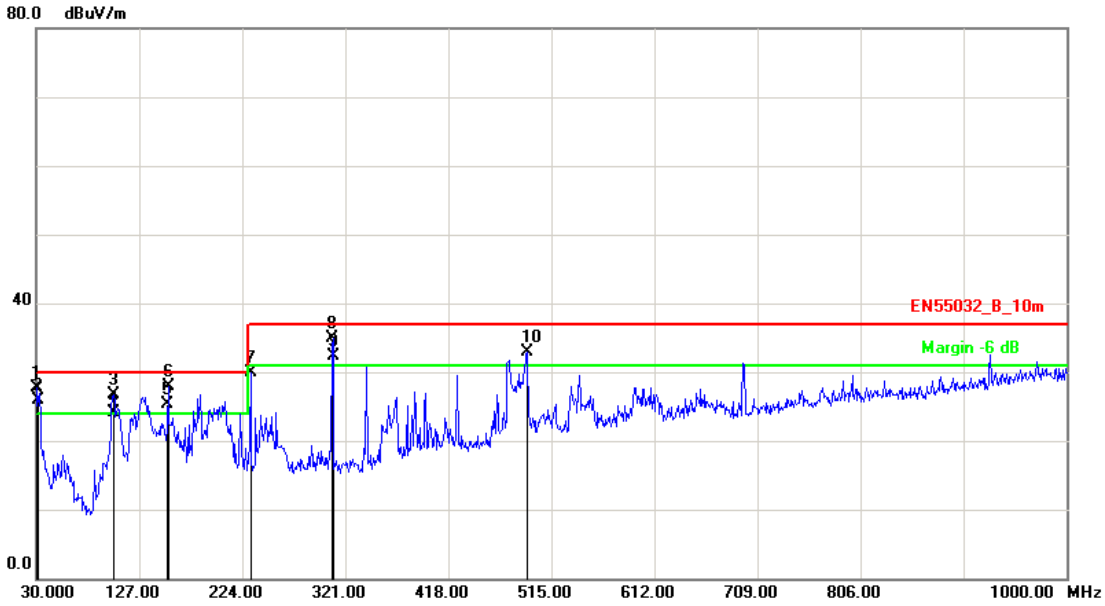
Test Mode :	Mode 20: Full system (HDMI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	309.3599	-8.41	36.49	28.08	37.00	-8.92	peak	400	212
2	385.9900	-6.03	35.47	29.44	37.00	-7.56	peak	400	202
3	426.7300	-5.10	34.66	29.56	37.00	-7.44	peak	100	174
4	492.6899	-3.25	34.69	31.44	37.00	-5.56	peak	100	223
5	541.1900	-2.20	34.36	32.16	37.00	-4.84	peak	400	316
6	695.4199	-0.17	31.78	31.61	37.00	-5.39	peak	100	0

Note: Measurement Level = Reading Level + Correct Factor

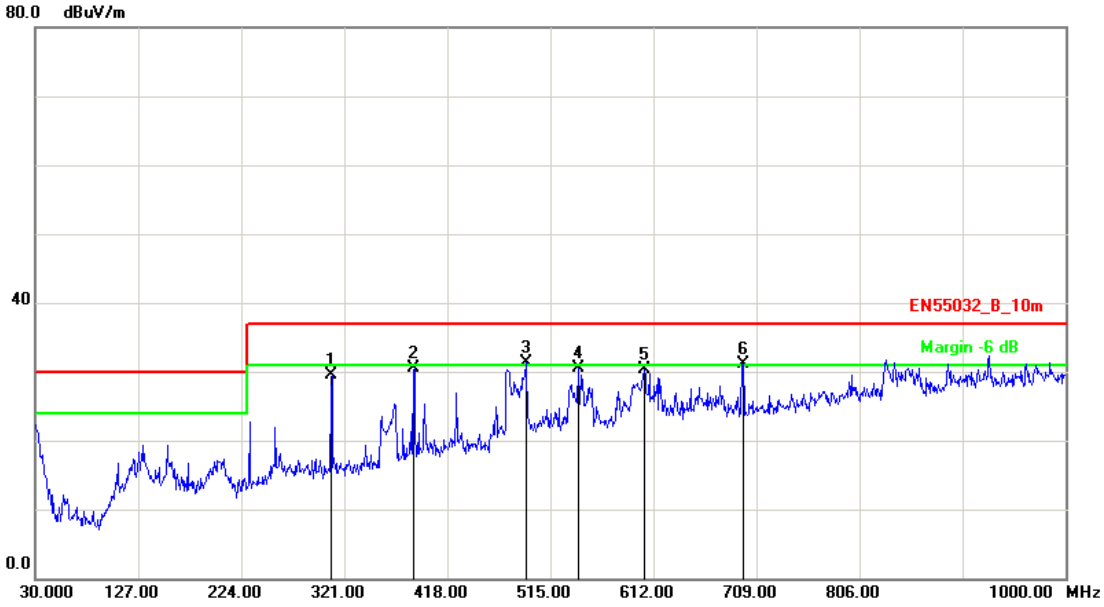
Test Mode :	Mode 20: Full system (HDMI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	30.9700	-3.96	31.57	27.61	30.00	-2.39	peak	100	223
2	31.9200	-4.65	30.57	25.92	30.00	-4.08	QP	100	223
3	102.7500	-13.22	40.00	26.78	30.00	-3.22	peak	100	360
4	103.2800	-13.10	37.21	24.11	30.00	-5.89	QP	100	360
5	153.6600	-10.72	36.05	25.33	30.00	-4.67	QP	100	217
6	154.1600	-10.73	38.62	27.89	30.00	-2.11	peak	100	217
7	231.7600	-11.29	41.23	29.94	37.00	-7.06	peak	100	336
8	309.3599	-8.41	43.31	34.90	37.00	-2.10	peak	400	174
9	310.1800	-8.38	40.67	32.29	37.00	-4.71	QP	400	174
10	491.7200	-3.28	36.12	32.84	37.00	-4.16	peak	400	167

Note: Measurement Level = Reading Level + Correct Factor

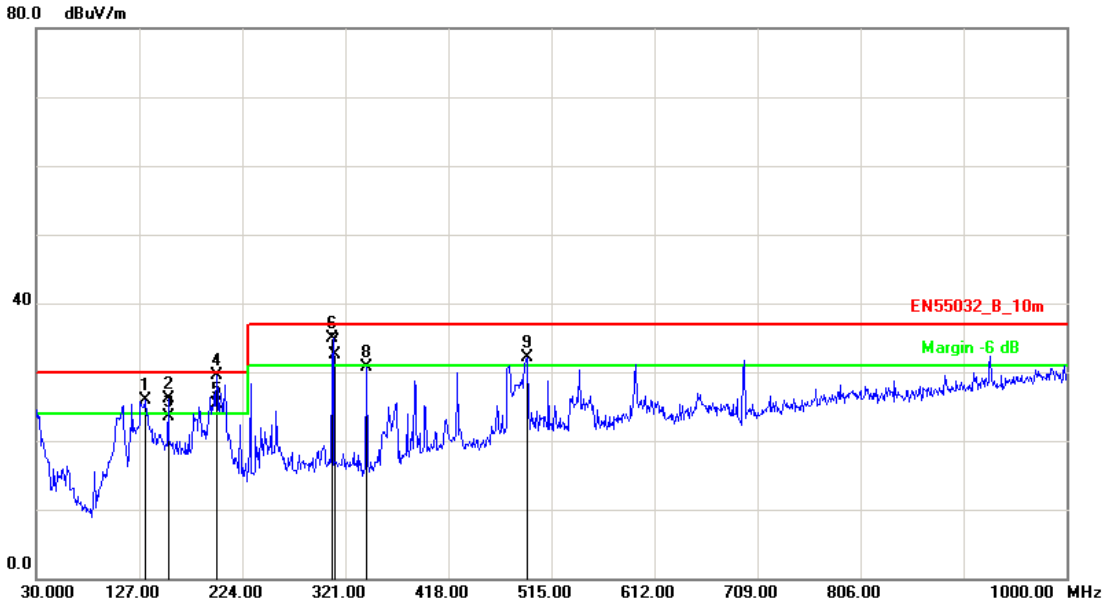
Test Mode :	Mode 23: Full system (Display mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	309.3599	-8.41	37.96	29.55	37.00	-7.45	peak	100	319
2	386.9599	-5.98	36.48	30.50	37.00	-6.50	peak	100	211
3	491.7200	-3.28	34.59	31.31	37.00	-5.69	peak	400	233
4	541.1900	-2.20	32.71	30.51	37.00	-6.49	peak	400	315
5	603.2698	-1.20	31.58	30.38	37.00	-6.62	peak	400	48
6	696.3899	-0.17	31.31	31.14	37.00	-5.86	peak	100	278

Note: Measurement Level = Reading Level + Correct Factor

Test Mode :	Mode 23: Full system (Display mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



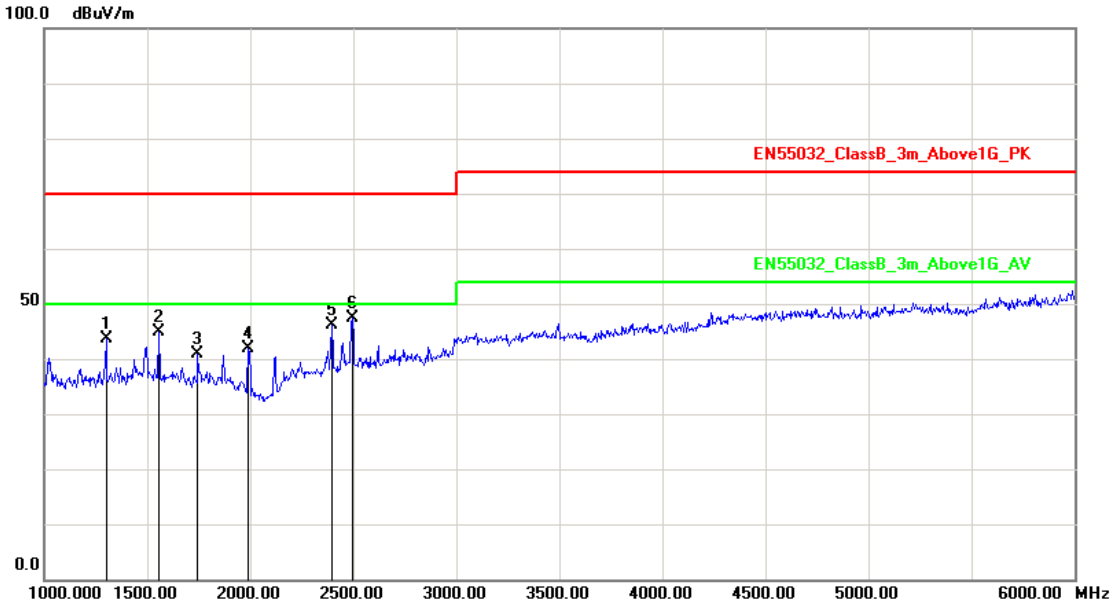
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	132.8200	-10.11	35.94	25.83	30.00	-4.17	peak	400	240
2	154.1600	-10.73	36.84	26.11	30.00	-3.89	peak	100	165
3	154.3100	-10.73	34.26	23.53	30.00	-6.47	QP	100	165
4	199.7500	-9.94	39.53	29.59	30.00	-0.41	peak	100	258
5	200.5700	-9.98	35.27	25.29	30.00	-4.71	QP	100	258
6	309.3599	-8.41	43.26	34.85	37.00	-2.15	peak	100	176
7	310.8200	-8.36	40.80	32.44	37.00	-4.56	QP	100	176
8	340.4000	-7.78	38.44	30.66	37.00	-6.34	peak	400	359
9	492.6900	-3.25	35.30	32.05	37.00	-4.95	peak	100	169

Note: Measurement Level = Reading Level + Correct Factor

5.6. Test Result and Data (1GHz ~ 6GHz)

Main board 1#

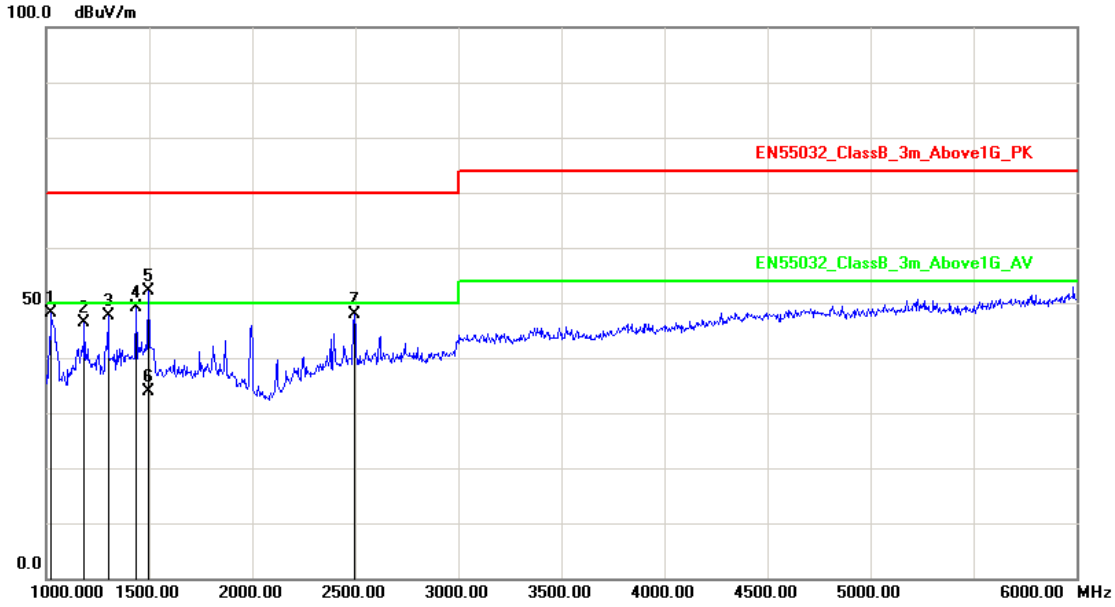
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	47.67	43.69	70.00	-26.31	peak	200	202
2	1555.000	-2.48	47.45	44.97	70.00	-25.03	peak	100	204
3	1745.000	-1.93	42.92	40.99	70.00	-29.01	peak	200	132
4	1990.000	-1.23	43.01	41.78	70.00	-28.22	peak	200	62
5	2395.000	0.81	45.25	46.06	70.00	-23.94	peak	100	34
6	2495.000	1.32	46.06	47.38	70.00	-22.62	peak	100	244

Note: Measurement Level = Reading Level + Correct Factor

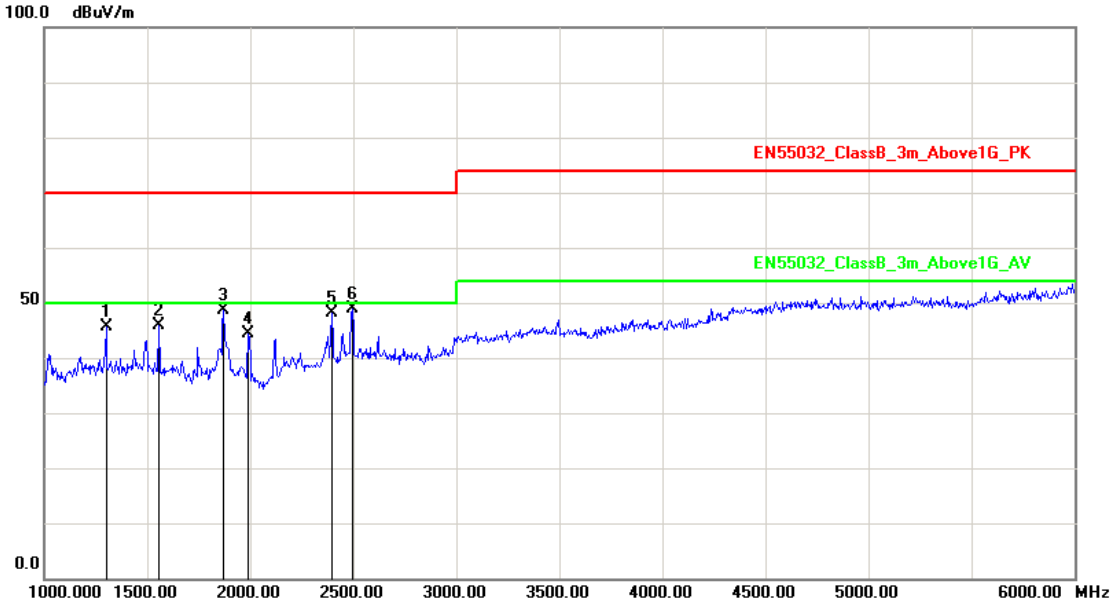
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1025.000	-5.81	53.82	48.01	70.00	-21.99	peak	100	173
2	1185.000	-4.74	51.18	46.44	70.00	-23.56	peak	100	16
3	1300.000	-3.98	51.68	47.70	70.00	-22.30	peak	100	173
4	1435.000	-3.07	52.08	49.01	70.00	-20.99	peak	200	27
5	1495.000	-2.67	54.75	52.08	70.00	-17.92	peak	100	163
6	1497.000	-2.66	36.58	33.92	50.00	-16.08	AVG	100	163
7	2495.000	1.32	46.52	47.84	70.00	-22.16	peak	200	214

Note: Measurement Level = Reading Level + Correct Factor

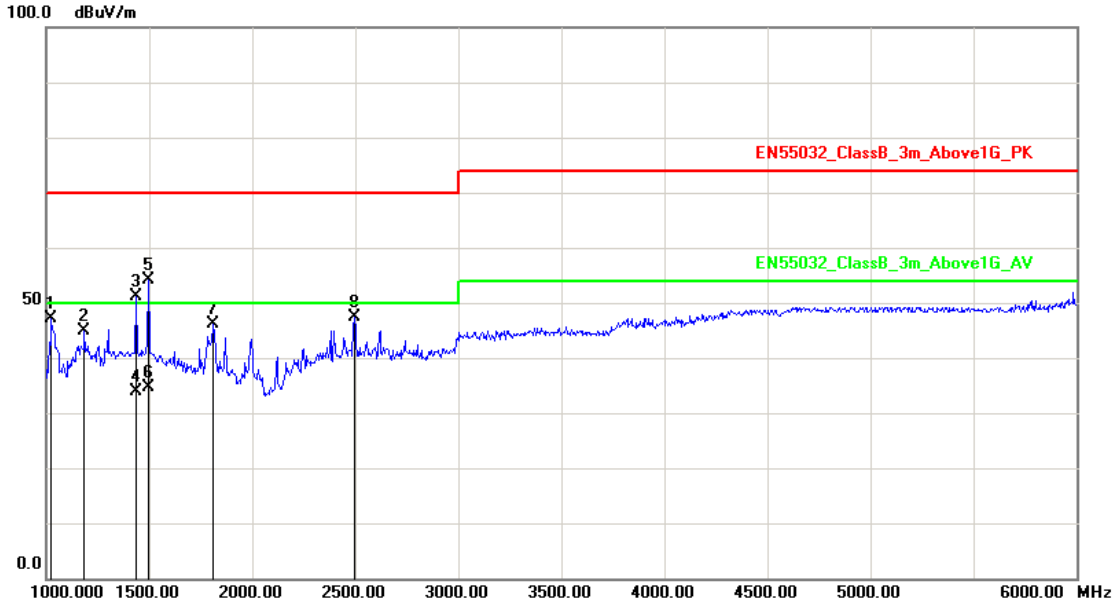
Test Mode :	Mode 4: Full system (DVI mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	49.67	45.69	70.00	-24.31	peak	200	226
2	1555.000	-2.48	48.45	45.97	70.00	-24.03	peak	100	0
3	1870.000	-1.57	50.14	48.57	70.00	-21.43	peak	200	351
4	1990.000	-1.23	45.51	44.28	70.00	-25.72	peak	200	29
5	2395.000	0.81	47.25	48.06	70.00	-21.94	peak	200	174
6	2495.000	1.32	47.56	48.88	70.00	-21.12	peak	100	0

Note: Measurement Level = Reading Level + Correct Factor

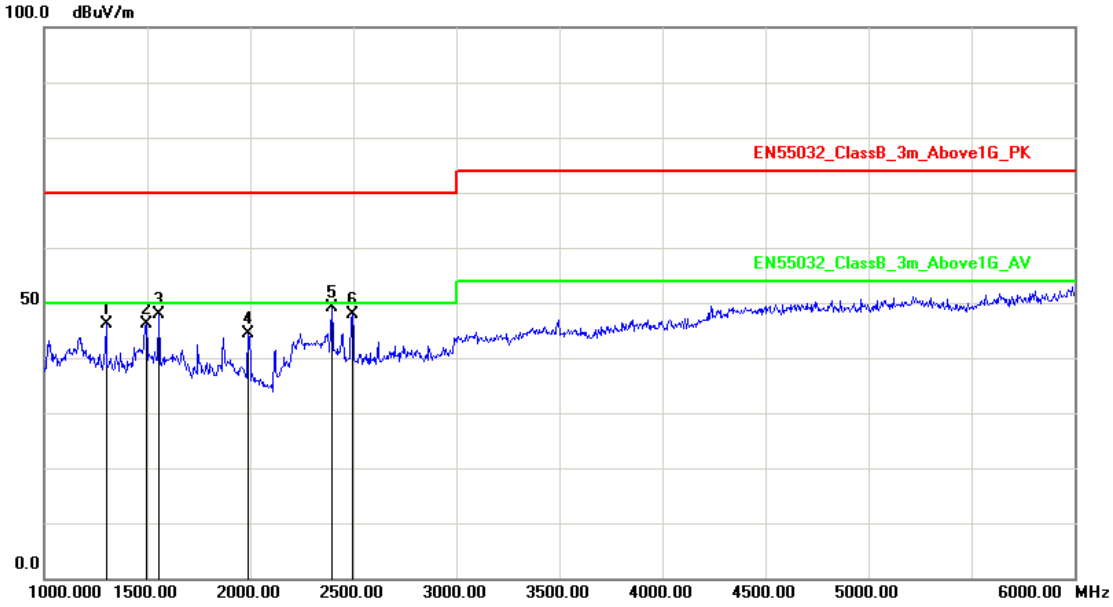
Test Mode :	Mode 4: Full system (DVI mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1025.000	-5.81	52.82	47.01	70.00	-22.99	peak	100	116
2	1185.000	-4.74	49.68	44.94	70.00	-25.06	peak	100	241
3	1435.000	-3.07	54.08	51.01	70.00	-18.99	peak	100	0
4	1436.000	-3.07	36.84	33.77	50.00	-16.23	AVG	100	0
5	1495.000	-2.67	56.75	54.08	70.00	-15.92	peak	200	326
6	1496.000	-2.67	37.20	34.53	50.00	-15.47	AVG	200	326
7	1810.000	-1.75	47.98	46.23	70.00	-23.77	peak	100	39
8	2495.000	1.32	46.02	47.34	70.00	-22.66	peak	100	271

Note: Measurement Level = Reading Level + Correct Factor

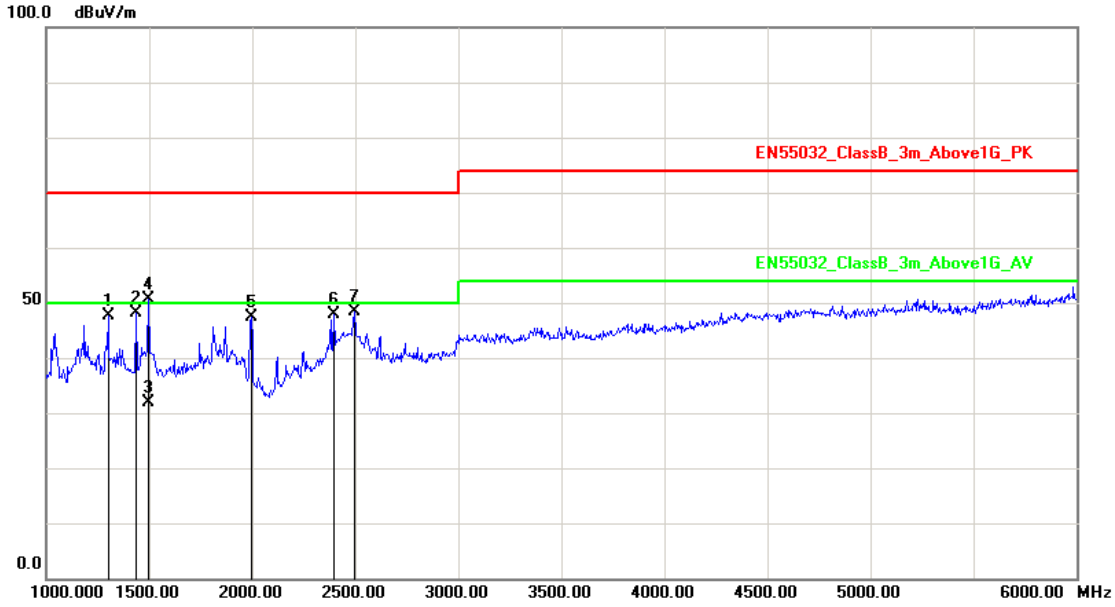
Test Mode :	Mode 8: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	50.17	46.19	70.00	-23.81	peak	200	39
2	1495.000	-2.67	48.80	46.13	70.00	-23.87	peak	100	0
3	1555.000	-2.48	50.45	47.97	70.00	-22.03	peak	200	39
4	1990.000	-1.23	45.51	44.28	70.00	-25.72	peak	200	163
5	2395.000	0.81	48.25	49.06	70.00	-20.94	peak	100	228
6	2495.000	1.32	46.56	47.88	70.00	-22.12	peak	100	228

Note: Measurement Level = Reading Level + Correct Factor

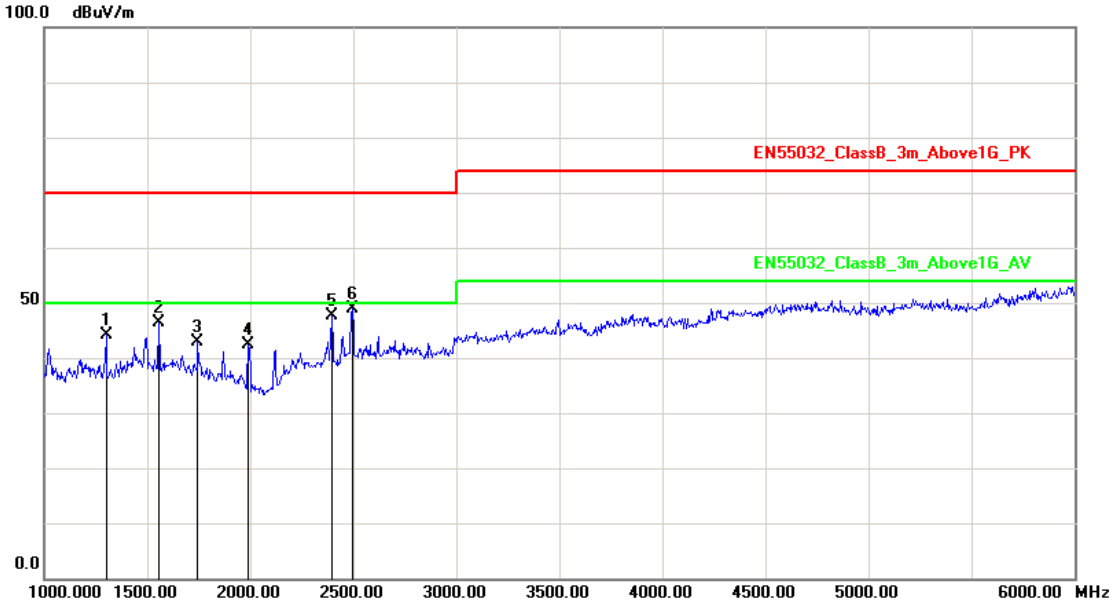
Test Mode :	Mode 8: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	51.68	47.70	70.00	-22.30	peak	100	163
2	1435.000	-3.07	51.08	48.01	70.00	-21.99	peak	200	224
3	1494.000	-2.68	34.61	31.93	50.00	-18.07	AVG	100	152
4	1495.000	-2.67	53.25	50.58	70.00	-19.42	peak	100	152
5	1995.000	-1.21	48.47	47.26	70.00	-22.74	peak	200	0
6	2395.000	0.81	47.00	47.81	70.00	-22.19	peak	100	66
7	2495.000	1.32	47.02	48.34	70.00	-21.66	peak	100	18

Note: Measurement Level = Reading Level + Correct Factor

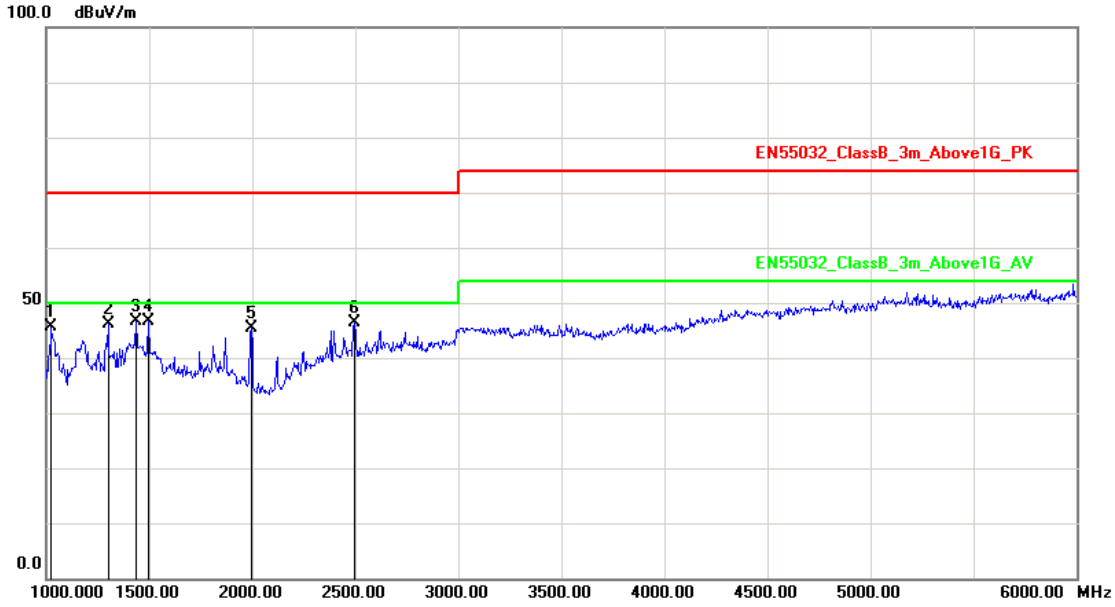
Test Mode :	Mode 11: Full system (DVI mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	48.17	44.19	70.00	-25.81	peak	100	351
2	1555.000	-2.48	48.95	46.47	70.00	-23.53	peak	200	360
3	1745.000	-1.93	44.92	42.99	70.00	-27.01	peak	200	118
4	1990.000	-1.23	43.51	42.28	70.00	-27.72	peak	100	27
5	2395.000	0.81	46.75	47.56	70.00	-22.44	peak	200	119
6	2495.000	1.32	47.56	48.88	70.00	-21.12	peak	100	27

Note: Measurement Level = Reading Level + Correct Factor

Test Mode :	Mode 11: Full system (DVI mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06

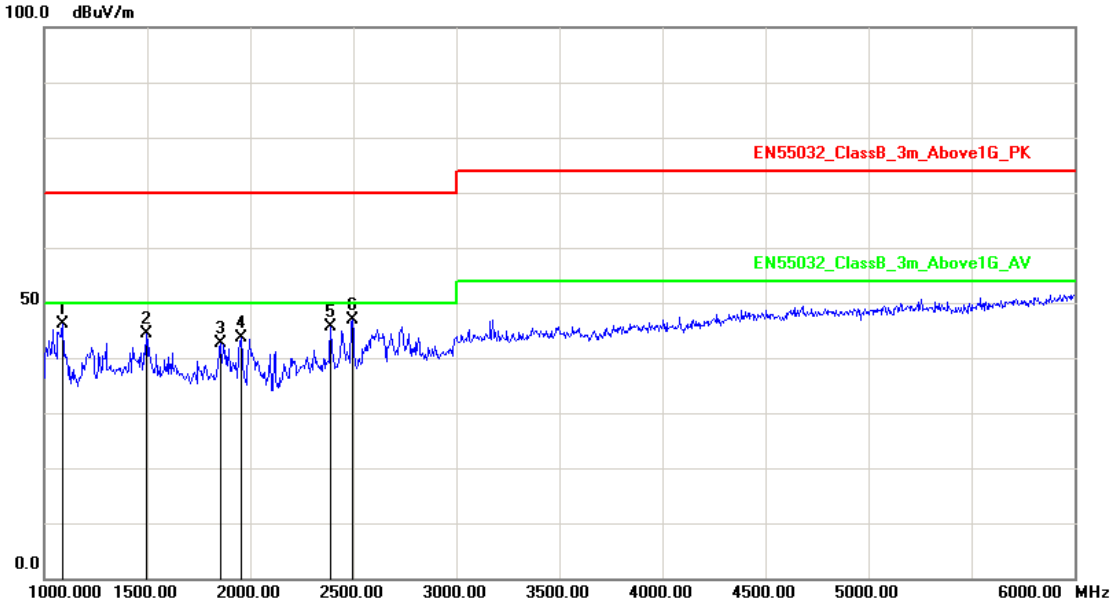


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1025.000	-5.81	51.32	45.51	70.00	-24.49	peak	100	0
2	1300.000	-3.98	50.18	46.20	70.00	-23.80	peak	100	246
3	1435.000	-3.07	49.58	46.51	70.00	-23.49	peak	100	29
4	1495.000	-2.67	49.25	46.58	70.00	-23.42	peak	100	118
5	1995.000	-1.21	46.47	45.26	70.00	-24.74	peak	100	0
6	2495.000	1.32	45.02	46.34	70.00	-23.66	peak	200	137

Note: Measurement Level = Reading Level + Correct Factor

Main board 2#

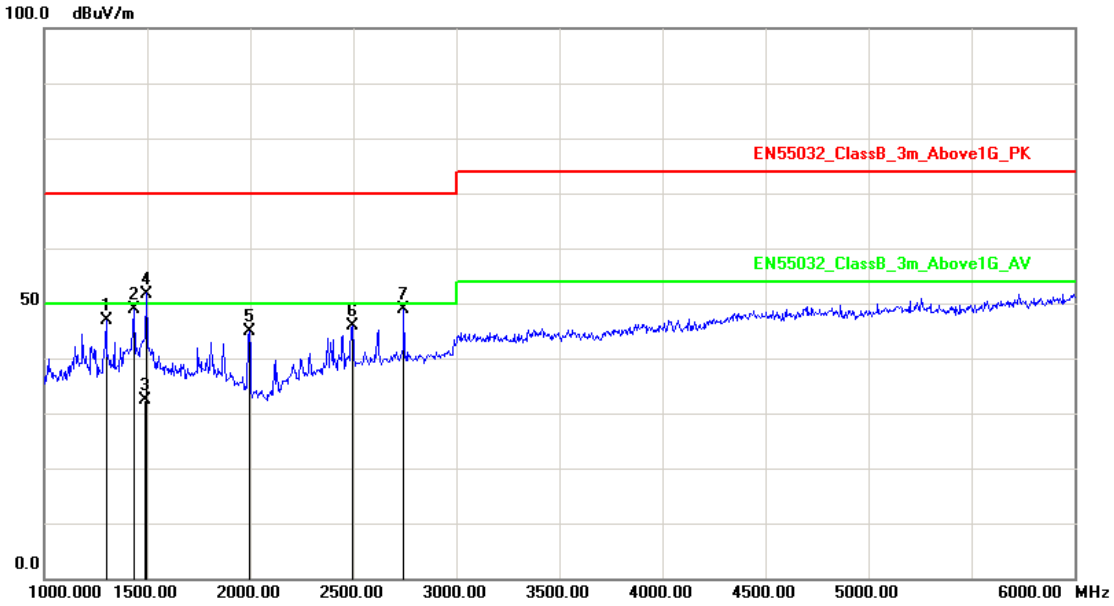
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1090.000	-5.38	51.41	46.03	70.00	-23.97	peak	100	216
2	1495.000	-2.67	47.04	44.37	70.00	-25.63	peak	100	101
3	1855.000	-1.62	44.31	42.69	70.00	-27.31	peak	100	199
4	1955.000	-1.33	44.84	43.51	70.00	-26.49	peak	100	184
5	2390.000	0.79	44.72	45.51	70.00	-24.49	peak	100	29
6	2495.000	1.32	45.47	46.79	70.00	-23.21	peak	100	142

Note: Measurement Level = Reading Level + Correct Factor

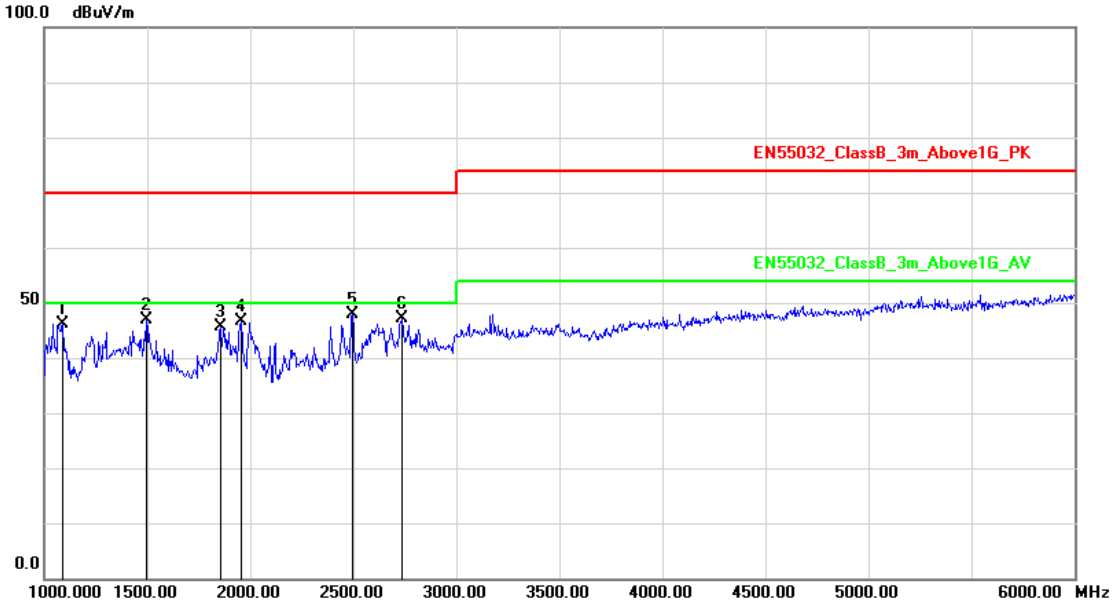
Test Mode :	Mode 1: Full system (VGA mode 1920*1080@60Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	50.79	46.81	70.00	-23.19	peak	100	173
2	1435.000	-3.07	51.92	48.85	70.00	-21.15	peak	100	188
3	1493.000	-2.69	35.12	32.43	50.00	-17.57	AVG	100	356
4	1495.000	-2.67	54.42	51.75	70.00	-18.25	peak	100	356
5	1995.000	-1.21	45.99	44.78	70.00	-25.22	peak	126	0
6	2495.000	1.32	44.45	45.77	70.00	-24.23	peak	200	200
7	2745.000	2.71	46.27	48.98	70.00	-21.02	peak	105	0

Note: Measurement Level = Reading Level + Correct Factor

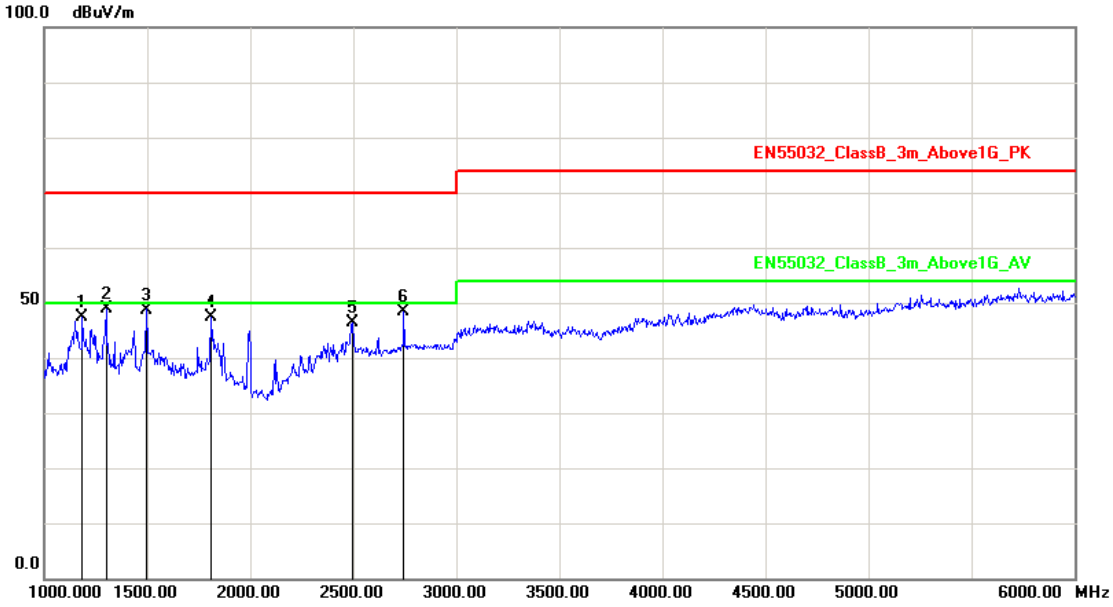
Test Mode :	Mode 4: Full system (DVI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1090.000	-5.38	51.41	46.03	70.00	-23.97	peak	200	157
2	1495.000	-2.67	49.54	46.87	70.00	-23.13	peak	200	48
3	1855.000	-1.62	47.31	45.69	70.00	-24.31	peak	200	36
4	1955.000	-1.33	47.84	46.51	70.00	-23.49	peak	100	2
5	2495.000	1.32	46.47	47.79	70.00	-22.21	peak	200	193
6	2735.000	2.65	44.42	47.07	70.00	-22.93	peak	200	229

Note: Measurement Level = Reading Level + Correct Factor

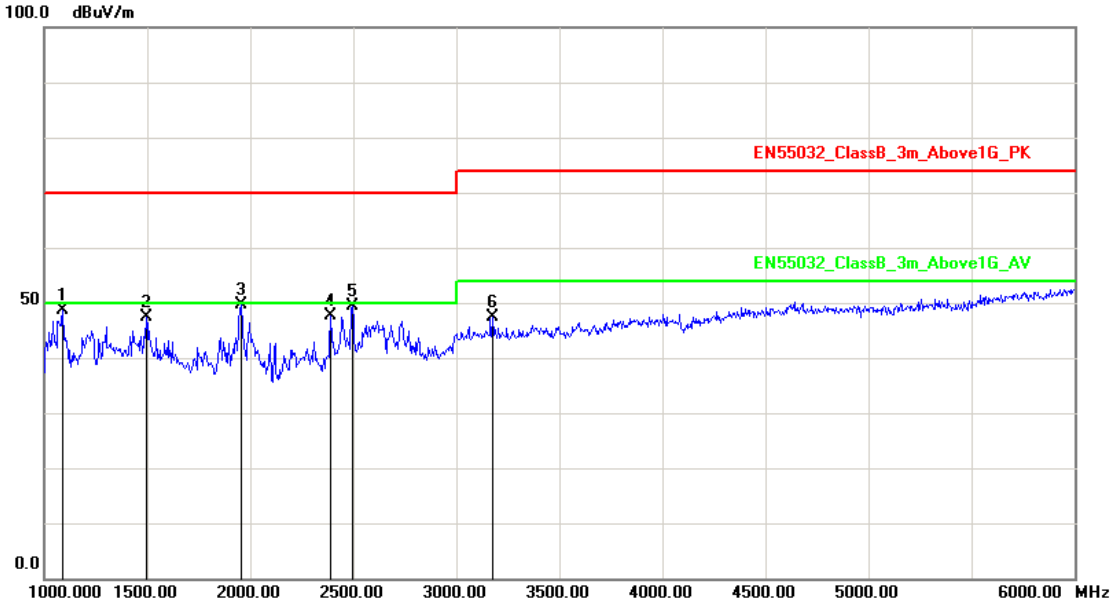
Test Mode :	Mode 4: Full system (DVI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1185.000	-4.74	52.06	47.32	70.00	-22.68	peak	100	18
2	1300.000	-3.98	52.79	48.81	70.00	-21.19	peak	200	162
3	1495.000	-2.67	51.42	48.75	70.00	-21.25	peak	100	47
4	1810.000	-1.75	49.06	47.31	70.00	-22.69	peak	100	0
5	2495.000	1.32	44.95	46.27	70.00	-23.73	peak	100	332
6	2745.000	2.71	45.77	48.48	70.00	-21.52	peak	200	0

Note: Measurement Level = Reading Level + Correct Factor

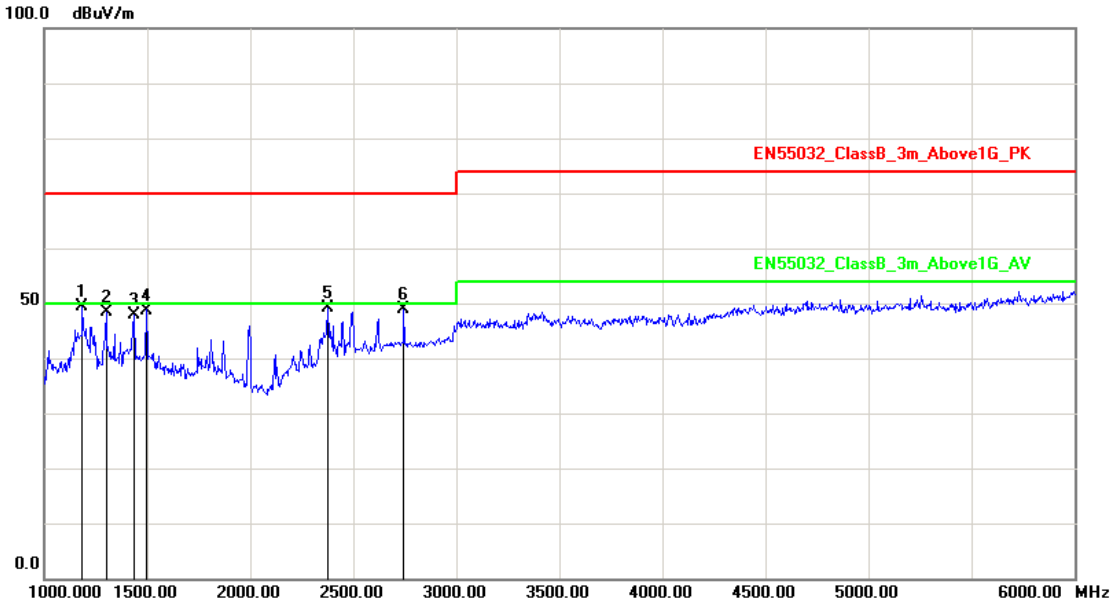
Test Mode :	Mode 7: Full system (HDMI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1090.000	-5.38	53.91	48.53	70.00	-21.47	peak	100	267
2	1495.000	-2.67	50.04	47.37	70.00	-22.63	peak	100	186
3	1955.000	-1.33	50.84	49.51	70.00	-20.49	peak	200	0
4	2390.000	0.79	46.72	47.51	70.00	-22.49	peak	200	329
5	2495.000	1.32	47.97	49.29	70.00	-20.71	peak	200	0
6	3175.000	4.66	42.77	47.43	74.00	-26.57	peak	100	118

Note: Measurement Level = Reading Level + Correct Factor

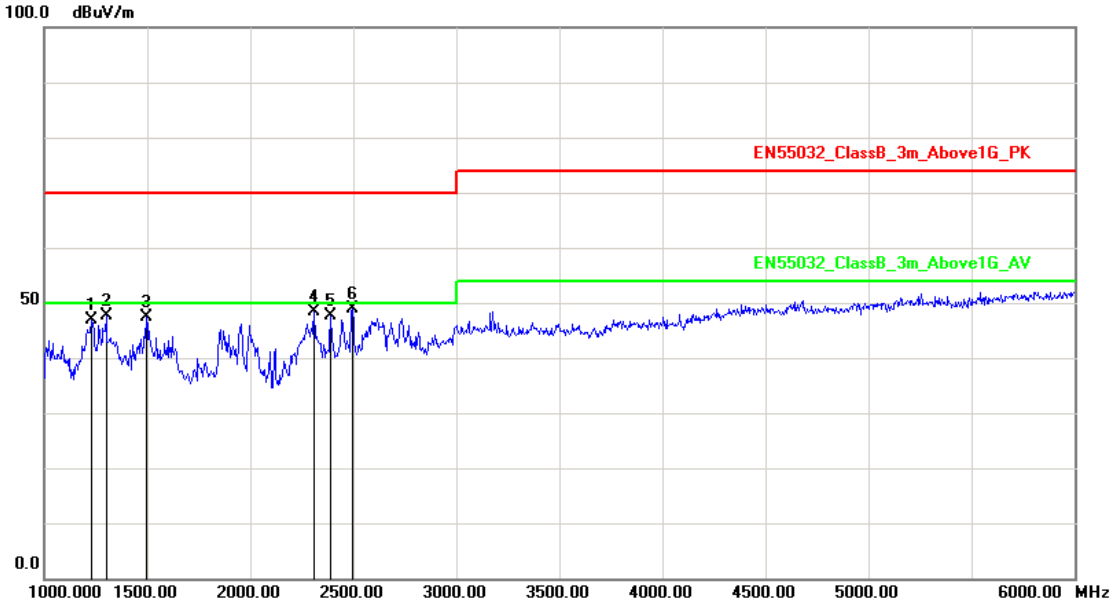
Test Mode :	Mode 7: Full system (HDMI mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1185.000	-4.74	54.06	49.32	70.00	-20.68	peak	100	166
2	1300.000	-3.98	52.29	48.31	70.00	-21.69	peak	200	16
3	1435.000	-3.07	50.92	47.85	70.00	-22.15	peak	100	321
4	1495.000	-2.67	51.42	48.75	70.00	-21.25	peak	100	283
5	2375.000	0.71	48.43	49.14	70.00	-20.86	peak	100	224
6	2745.000	2.71	46.27	48.98	70.00	-21.02	peak	100	0

Note: Measurement Level = Reading Level + Correct Factor

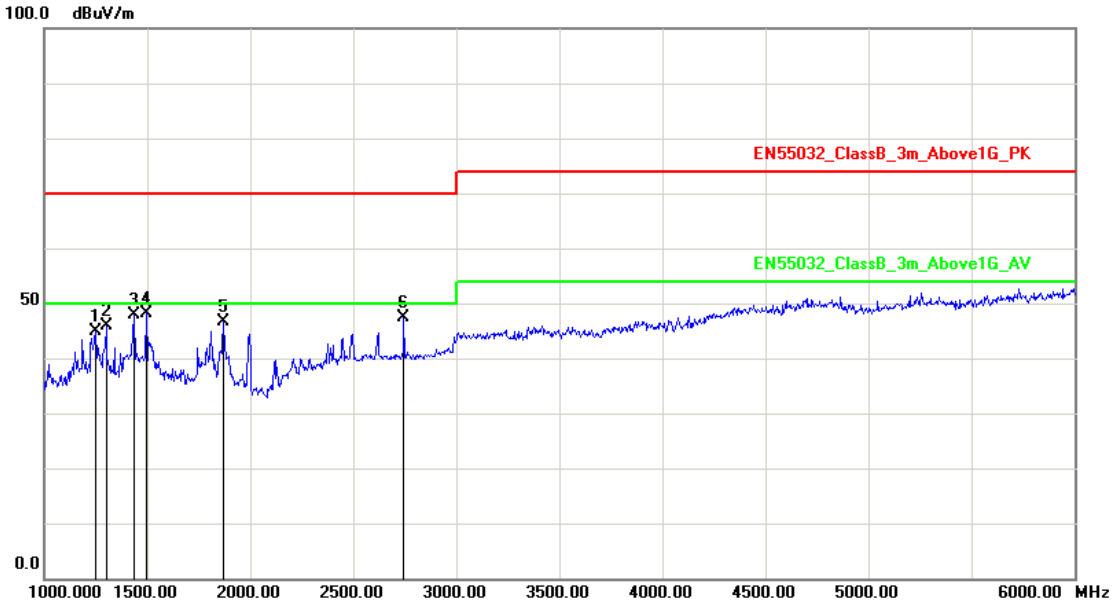
Test Mode :	Mode 10: Full system (Display mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1230.000	-4.44	51.32	46.88	70.00	-23.12	peak	200	18
2	1300.000	-3.98	51.58	47.60	70.00	-22.40	peak	100	0
3	1495.000	-2.67	50.04	47.37	70.00	-22.63	peak	100	0
4	2310.000	0.38	47.92	48.30	70.00	-21.70	peak	200	348
5	2390.000	0.79	46.72	47.51	70.00	-22.49	peak	200	284
6	2495.000	1.32	47.47	48.79	70.00	-21.21	peak	200	119

Note: Measurement Level = Reading Level + Correct Factor

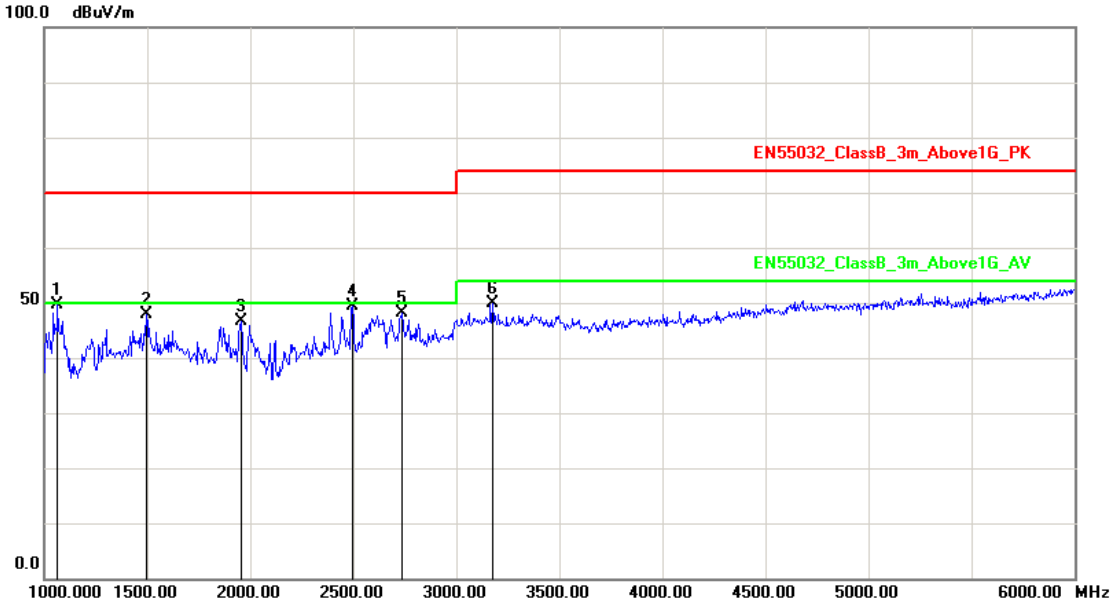
Test Mode :	Mode 10: Full system (Display mode 2560*1440@75Hz) (110V/60Hz)		
AC Power :	AC 110V/60Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1250.000	-4.31	49.17	44.86	70.00	-25.14	peak	200	178
2	1300.000	-3.98	49.79	45.81	70.00	-24.19	peak	100	229
3	1435.000	-3.07	50.92	47.85	70.00	-22.15	peak	100	13
4	1495.000	-2.67	50.92	48.25	70.00	-21.75	peak	200	314
5	1870.000	-1.57	48.19	46.62	70.00	-23.38	peak	100	263
6	2745.000	2.71	44.77	47.48	70.00	-22.52	peak	200	0

Note: Measurement Level = Reading Level + Correct Factor

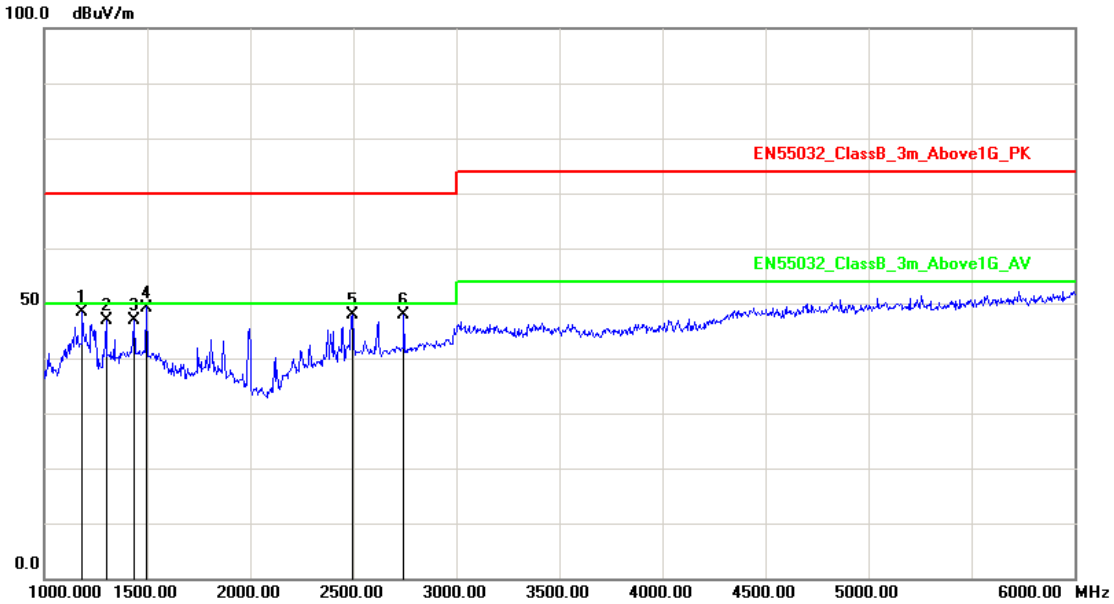
Test Mode :	Mode 14: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1065.000	-5.55	55.12	49.57	70.00	-20.43	peak	200	284
2	1495.000	-2.67	50.54	47.87	70.00	-22.13	peak	100	225
3	1955.000	-1.33	47.84	46.51	70.00	-23.49	peak	100	0
4	2495.000	1.32	47.97	49.29	70.00	-20.71	peak	200	316
5	2735.000	2.65	45.42	48.07	70.00	-21.93	peak	200	139
6	3175.000	4.66	45.27	49.93	74.00	-24.07	peak	100	0

Note: Measurement Level = Reading Level + Correct Factor

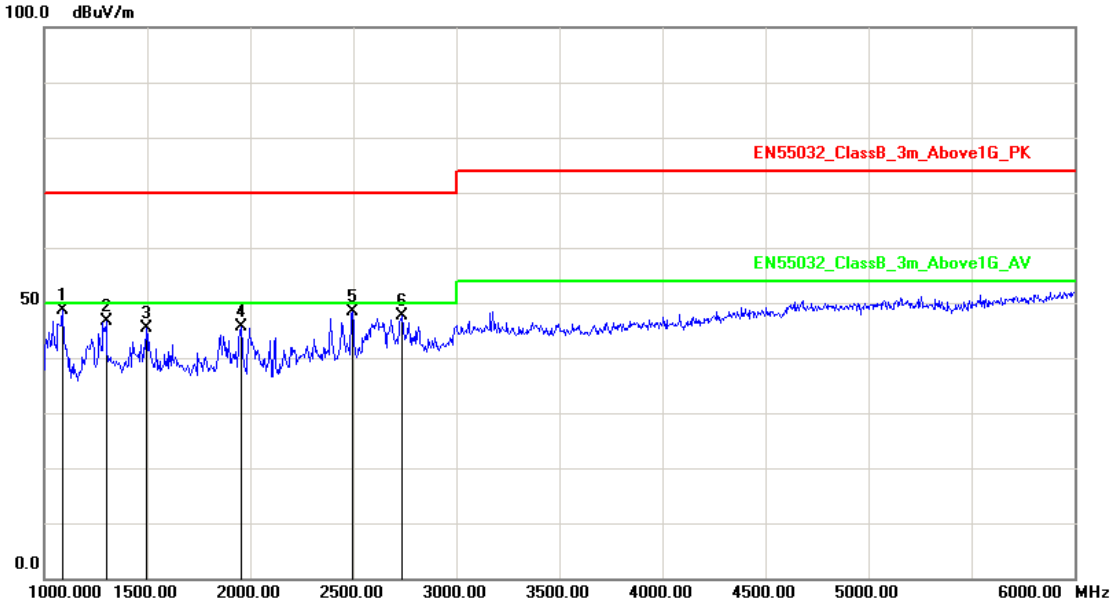
Test Mode :	Mode 14: Full system (VGA mode 1920*1080@60Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1185.000	-4.74	53.06	48.32	70.00	-21.68	peak	200	187
2	1300.000	-3.98	50.79	46.81	70.00	-23.19	peak	100	216
3	1435.000	-3.07	49.92	46.85	70.00	-23.15	peak	100	301
4	1495.000	-2.67	51.92	49.25	70.00	-20.75	peak	100	24
5	2495.000	1.32	46.45	47.77	70.00	-22.23	peak	100	0
6	2745.000	2.71	45.27	47.98	70.00	-22.02	peak	100	58

Note: Measurement Level = Reading Level + Correct Factor

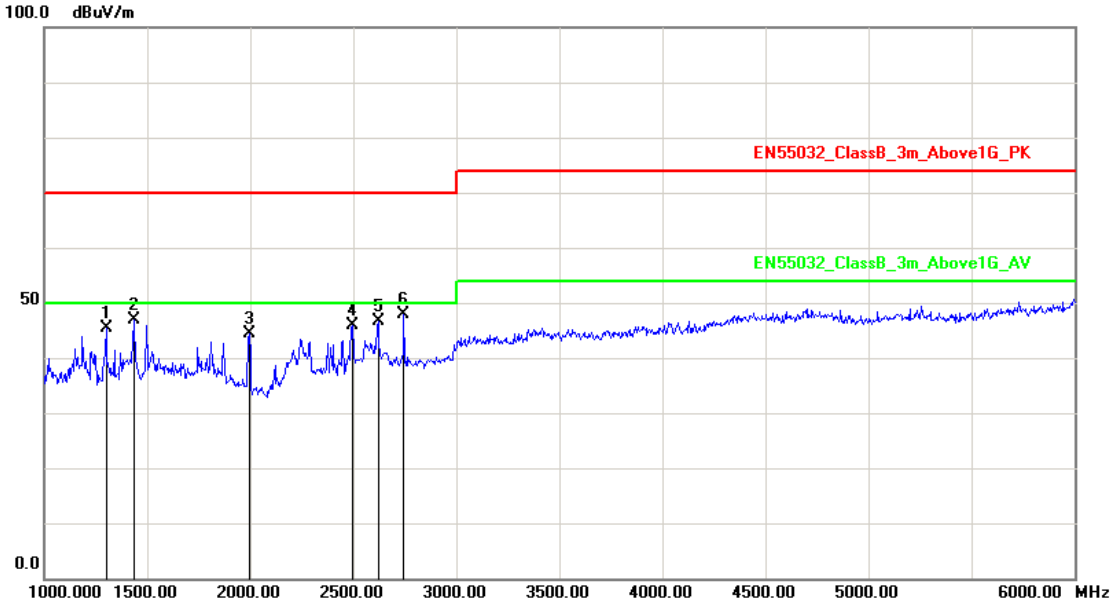
Test Mode :	Mode 17: Full system (DVI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1090.000	-5.38	53.91	48.53	70.00	-21.47	peak	200	103
2	1300.000	-3.98	50.58	46.60	70.00	-23.40	peak	200	221
3	1495.000	-2.67	48.04	45.37	70.00	-24.63	peak	100	0
4	1955.000	-1.33	46.84	45.51	70.00	-24.49	peak	100	0
5	2495.000	1.32	46.97	48.29	70.00	-21.71	peak	200	115
6	2735.000	2.65	44.92	47.57	70.00	-22.43	peak	100	326

Note: Measurement Level = Reading Level + Correct Factor

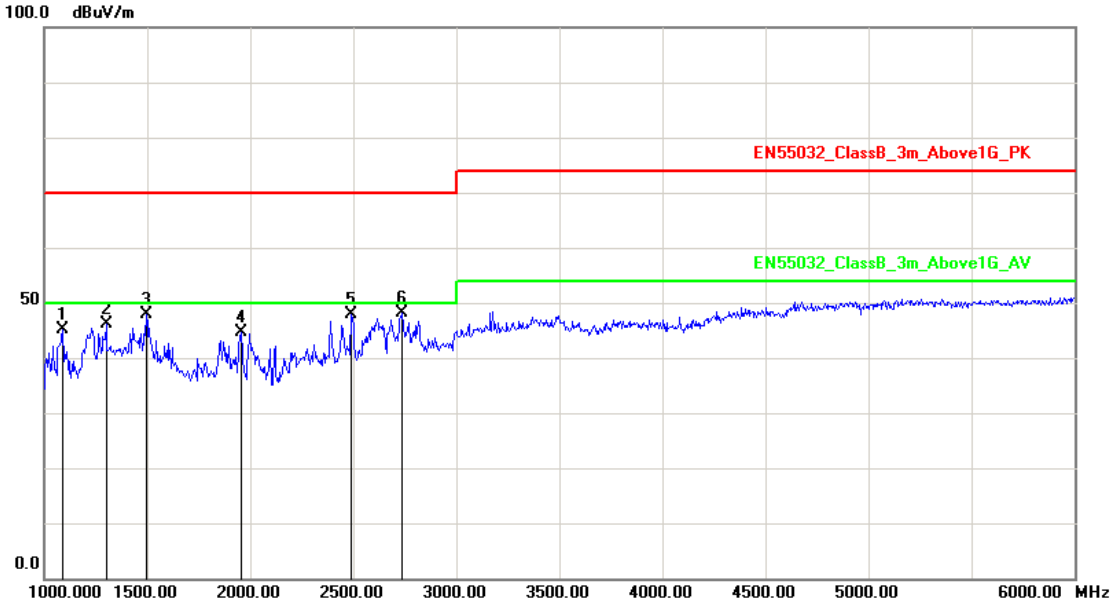
Test Mode :	Mode 17: Full system (DVI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	49.29	45.31	70.00	-24.69	peak	100	293
2	1435.000	-3.07	49.92	46.85	70.00	-23.15	peak	200	0
3	1995.000	-1.21	45.49	44.28	70.00	-25.72	peak	100	0
4	2495.000	1.32	44.45	45.77	70.00	-24.23	peak	200	326
5	2620.000	2.01	44.66	46.67	70.00	-23.33	peak	100	0
6	2745.000	2.71	45.27	47.98	70.00	-22.02	peak	100	215

Note: Measurement Level = Reading Level + Correct Factor

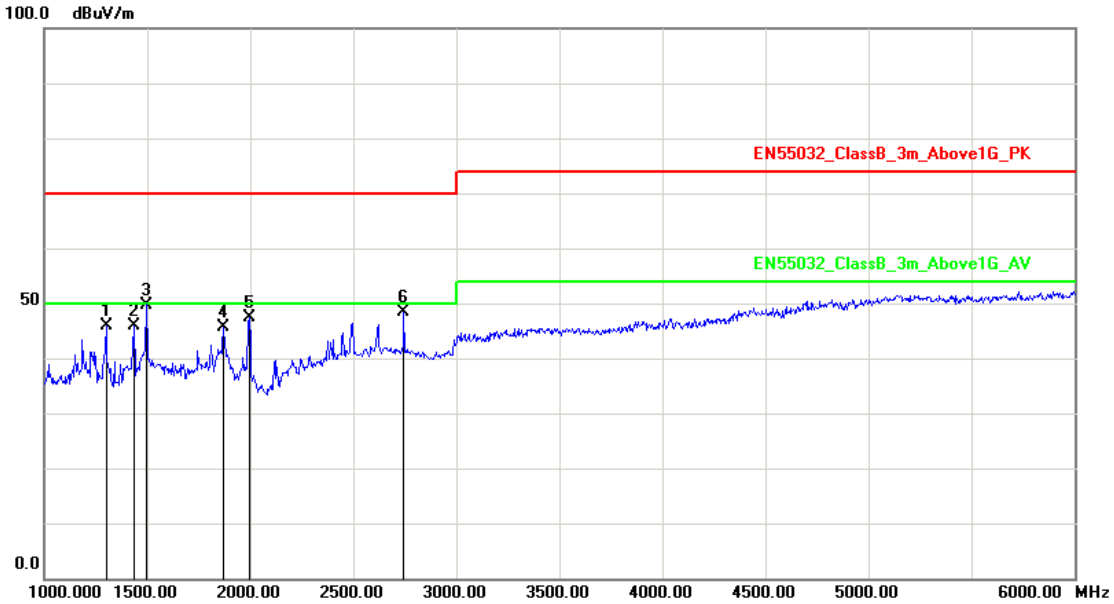
Test Mode :	Mode 20: Full system (HDMI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1090.000	-5.38	50.41	45.03	70.00	-24.97	peak	200	32
2	1300.000	-3.98	50.08	46.10	70.00	-23.90	peak	200	291
3	1495.000	-2.67	50.54	47.87	70.00	-22.13	peak	100	360
4	1955.000	-1.33	45.84	44.51	70.00	-25.49	peak	200	184
5	2490.000	1.30	46.50	47.80	70.00	-22.20	peak	200	360
6	2735.000	2.65	45.42	48.07	70.00	-21.93	peak	200	12

Note: Measurement Level = Reading Level + Correct Factor

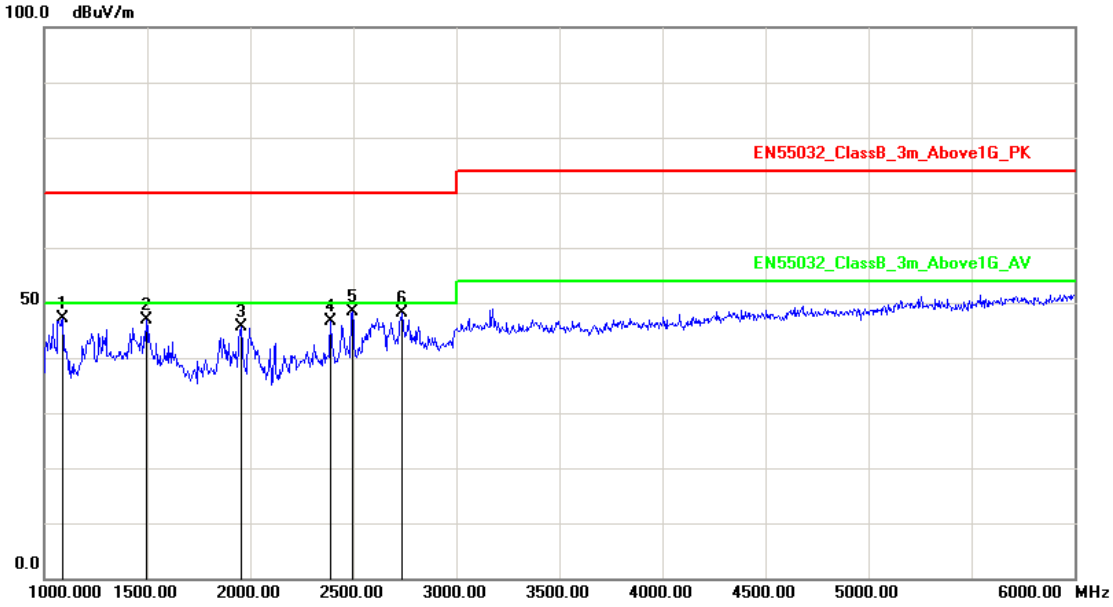
Test Mode :	Mode 20: Full system (HDMI mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	49.79	45.81	70.00	-24.19	peak	200	169
2	1435.000	-3.07	48.92	45.85	70.00	-24.15	peak	100	0
3	1495.000	-2.67	52.42	49.75	70.00	-20.25	peak	200	154
4	1870.000	-1.57	47.19	45.62	70.00	-24.38	peak	100	217
5	1995.000	-1.21	48.49	47.28	70.00	-22.72	peak	100	328
6	2745.000	2.71	45.77	48.48	70.00	-21.52	peak	200	39

Note: Measurement Level = Reading Level + Correct Factor

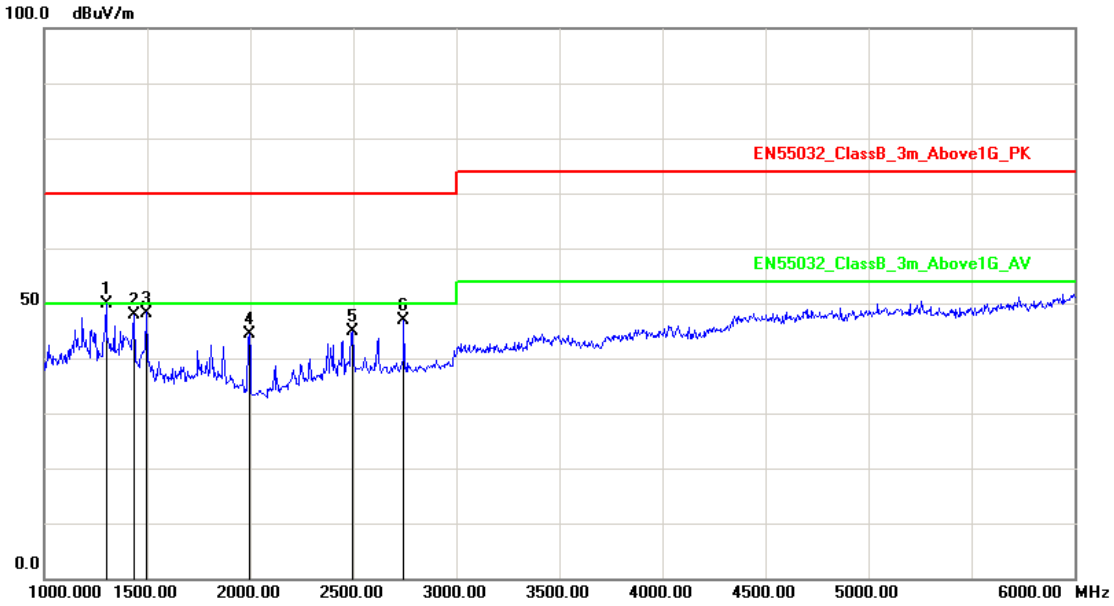
Test Mode :	Mode 23: Full system (Display mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Horizontal
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1090.000	-5.38	52.41	47.03	70.00	-22.97	peak	200	354
2	1495.000	-2.67	49.54	46.87	70.00	-23.13	peak	200	32
3	1955.000	-1.33	46.84	45.51	70.00	-24.49	peak	100	186
4	2390.000	0.79	45.72	46.51	70.00	-23.49	peak	100	118
5	2495.000	1.32	46.97	48.29	70.00	-21.71	peak	200	221
6	2735.000	2.65	45.42	48.07	70.00	-21.93	peak	100	0

Note: Measurement Level = Reading Level + Correct Factor

Test Mode :	Mode 23: Full system (Display mode 2560*1440@75Hz) (230V/50Hz)		
AC Power :	AC 230V/50Hz	Ant. Polarization:	Vertical
Equipment :	LCD Monitor	Model No :	315LM000**
Temperature :	25°C	Humidity :	53%
Pressure(mbar) :	1001	Date:	2016/08/06



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1300.000	-3.98	53.79	49.81	70.00	-20.19	peak	100	349
2	1435.000	-3.07	50.92	47.85	70.00	-22.15	peak	200	116
3	1495.000	-2.67	50.92	48.25	70.00	-21.75	peak	100	225
4	1995.000	-1.21	45.49	44.28	70.00	-25.72	peak	200	0
5	2495.000	1.32	43.45	44.77	70.00	-25.23	peak	100	0
6	2745.000	2.71	44.27	46.98	70.00	-23.02	peak	200	41

Note: Measurement Level = Reading Level + Correct Factor

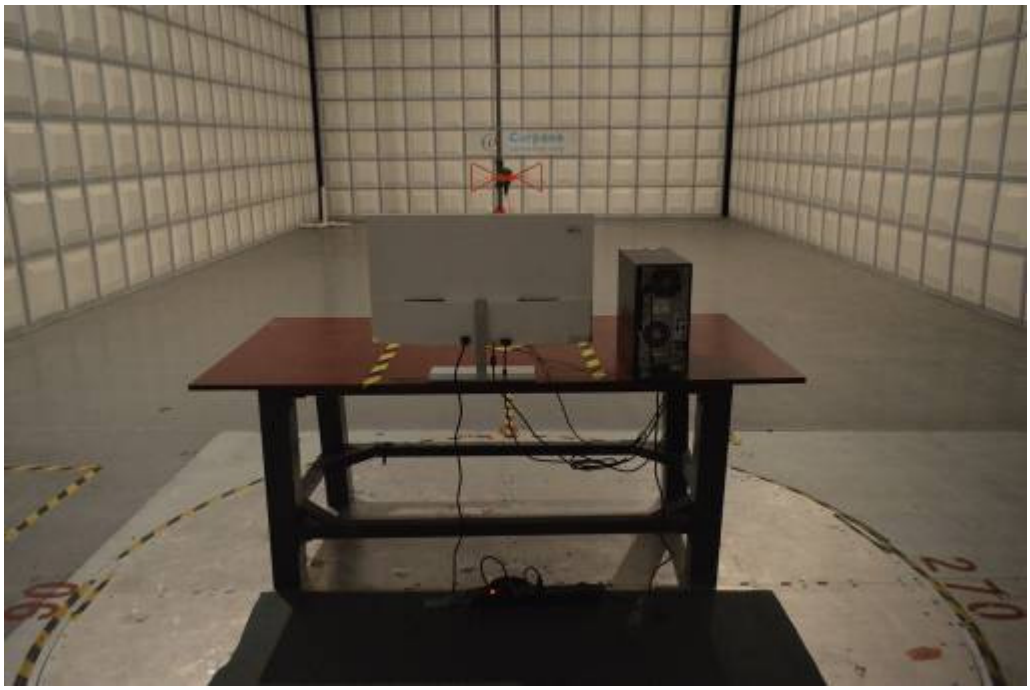
Test engineer: Sun. Zhang

5.7. Test Photographs (30MHz~1GHz)

Main board 1#

Front View

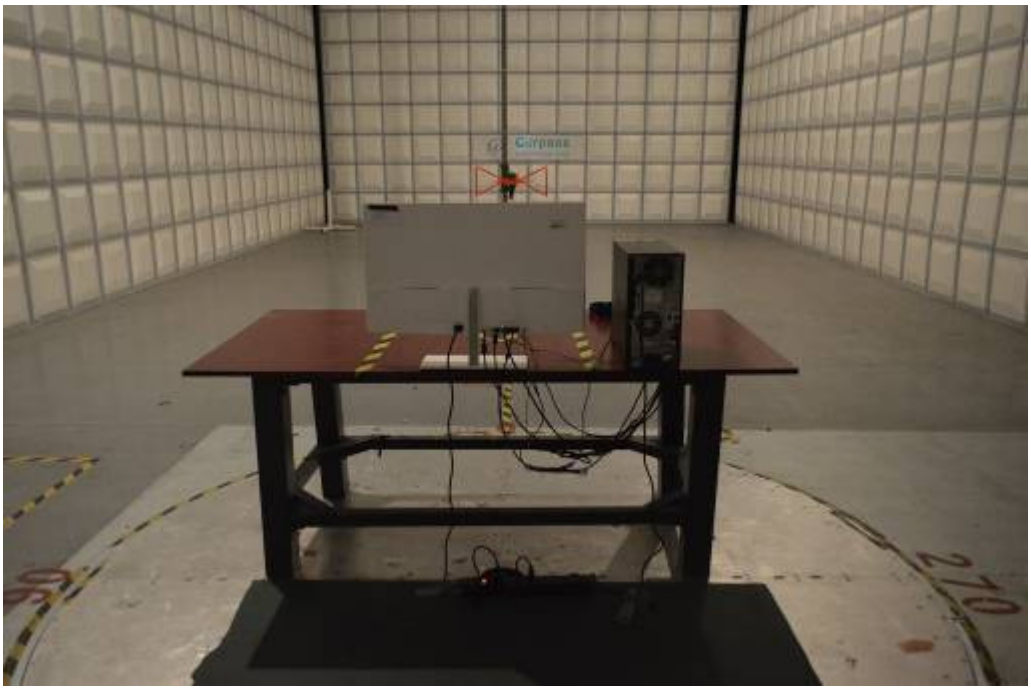
Rear View



Main board 2#

Front View

Rear View

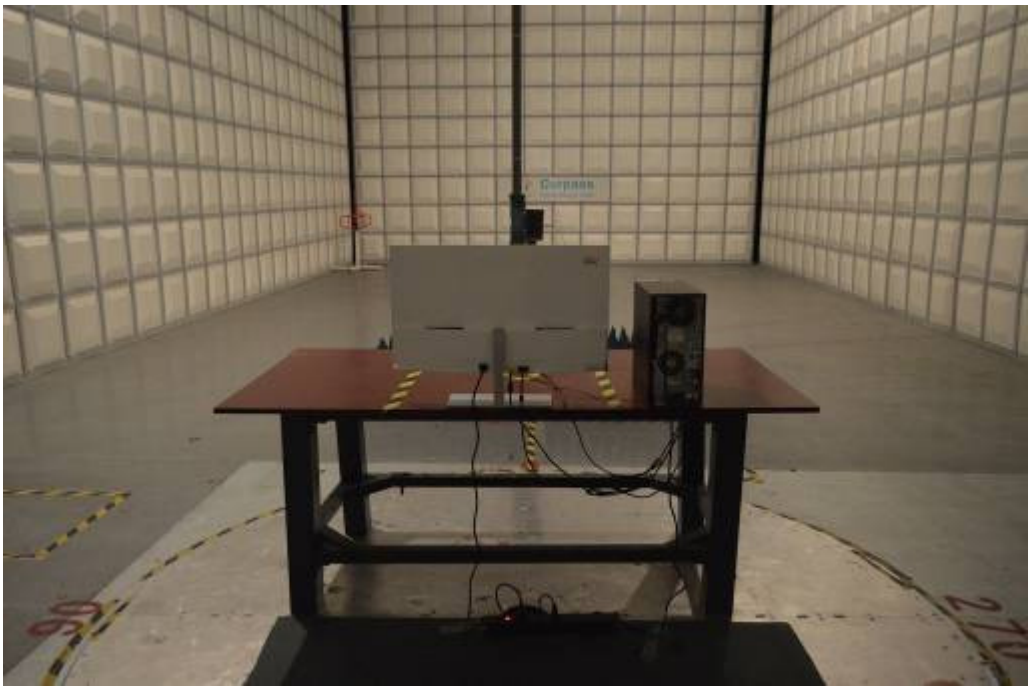


5.8. Test Photographs (1GHz~6GHz)

Main board 1#

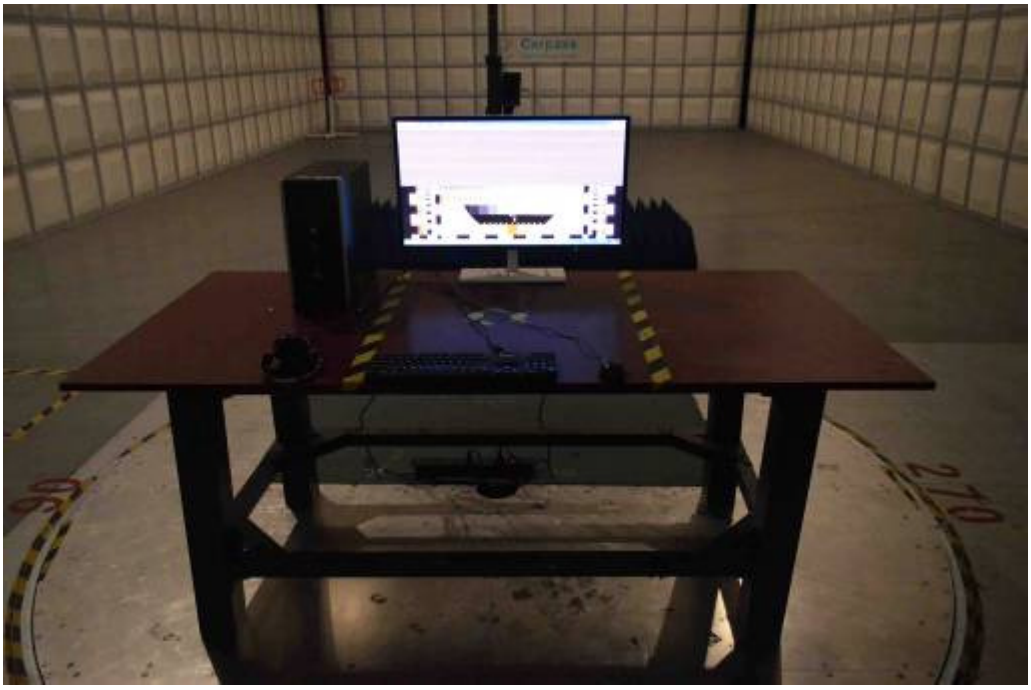
Front View

Rear View

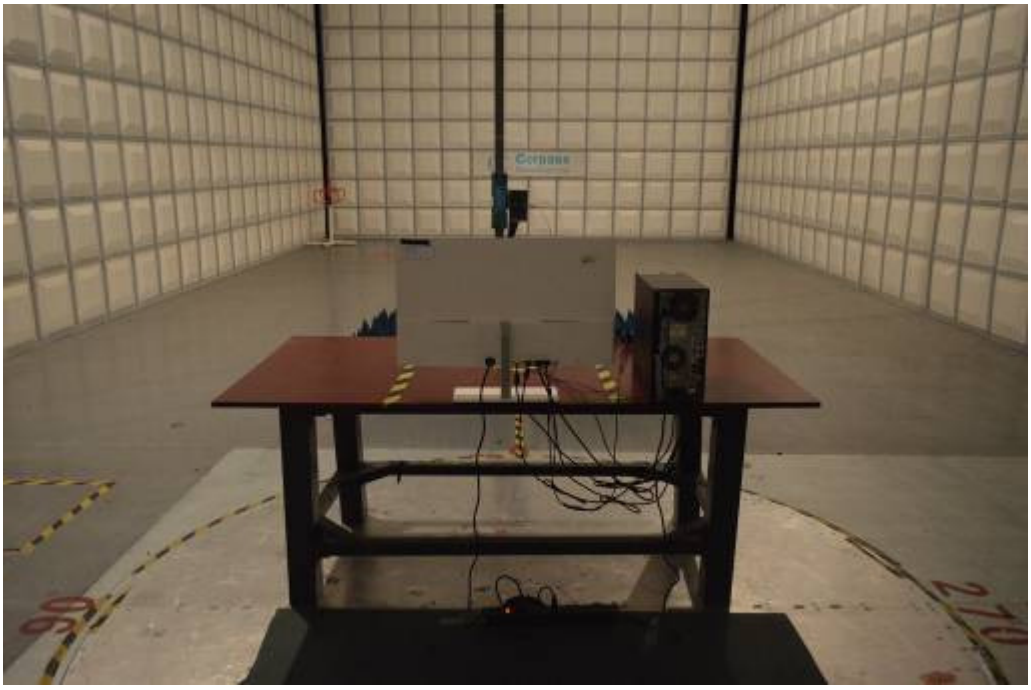


Main board 2#

Front View



Rear View



6. Harmonics Test

6.1. Limits of Harmonics Current Measurement

Limits for Class A equipment

Harmonics Order n	Max. permissible harmonics current A	Harmonics Order n	Max. permissible harmonics current A
Odd harmonics		Even harmonics	
3	2.30	2	1.08
5	1.14	4	0.43
7	0.77	6	0.30
9	0.40	8<=n<=40	0.23x8/n
11	0.33		
13	0.21		
15<=n<=39	0.15x15/n		

(b) Limits for Class B equipment

For Class B equipment, the harmonics of the input current shall not exceed the values given in Table that is the limit of Class A multiplied by a factor of 1,5.

(c) Limits for Class C equipment

Harmonics Order n	Maximum permissible harmonic current expressed as a percentage of the input current at the fundamental frequency %
2	2
3	$30 \cdot \lambda^*$
5	10
7	7
9	5
11<n<39 (odd harmonics only)	3
* λ is the circuit power factor	

(d) Limits for Class D equipment

Harmonics Order n	Maximum permissible harmonic current per watt mA/W	Maximum permissible harmonic current A
3	3.4	2.30
5	1.9	1.14
7	1.0	0.77
9	0.5	0.40
11	0.35	0.33
11 < n < 39 (odd harmonics only)	3.85/n	See limit of Class A

NOTE: According to section 7 of EN 61000-3-2, the above limits for all equipment except for lighting equipment having an active input power > 75 W and no limits apply for equipment with an active input power up to and including 75 W.

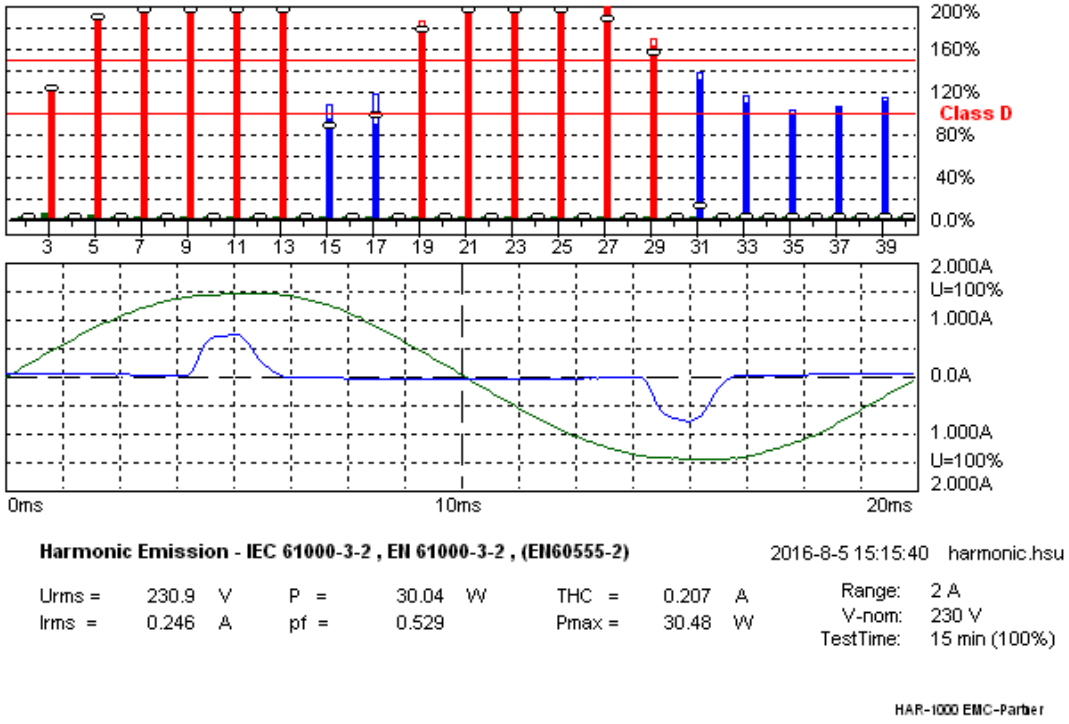
6.2. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMC Emission Tester	EMCPARTNER	Harmonics-1000	159	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2016.03.29	2017.03.28
HARCS	EMC Partner AG	Ver 4.18	N/A	N/A	N/A

6.3. Test Result and Data

Main board 1#

Basic Standard	:	EN 61000-3-2
Final Test Result	:	PASS
Test Mode	:	Mode 1,4,8,11
Model No.	:	315LM000**
Temperature	:	23℃
Humidity	:	51%
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 05, 2016



Full Bar : Actual Values

Empty Bar : Maximum Values

Blue : Current , Green : Voltage , Red : Failed

Urms =	230.9V	Freq =	50.000	Range:	2 A
Irms =	0.246A	Ipk =	0.813A	cf =	3.302
P =	30.04W	S =	56.82VA	pf =	0.529
THDi =	82.9 %	THDu =	2.10 %	Class D	
Test - Time :		15min	(100 %)		
Limit Reference:		Pmax = 30.479W			

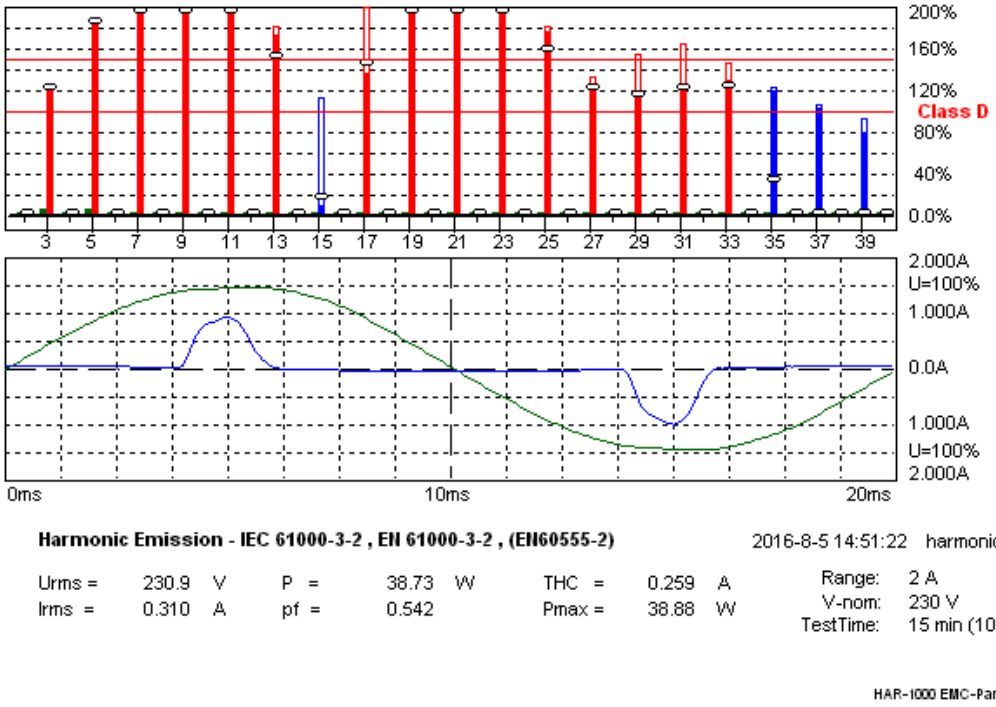
Test completed

Order	Freq. [Hz]	Irms [A]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status
1	50	0.1395		0.1409			
2	100	0.0042		0.0052			
3	150	0.1254	120.98	0.1261	121.68	0.00	N/L
4	200	0.0049		0.0059			
5	250	0.1088	187.82	0.1094	188.87	0.00	N/L
6	300	0.0048		0.0055			
7	350	0.0883	289.57	0.0889	291.57	0.00	N/L
8	400	0.0044		0.0050			
9	450	0.0656	430.15	0.0664	435.75	0.00	N/L
10	500	0.0028		0.0032			
11	550	0.0415	389.07	0.0425	398.22	0.00	N/L
12	600	0.0016		0.0018			
13	650	0.0217	240.72	0.0227	251.54	0.00	N/L
14	700	0.0015		0.0017			
15	750	0.0072	92.065	0.0083	106.11	0.00	N/L
16	800	0.0021		0.0023			
17	850	0.0061	88.424	0.0081	116.72	0.00	N/L
18	900	0.0028		0.0032			
19	950	0.0111	179.86	0.0115	185.79	0.00	N/L
20	1000	0.0027		0.0029			
21	1050	0.0132	235.94	0.0134	240.30	0.00	N/L
22	1100	0.0020		0.0022			
23	1150	0.0129	253.62	0.0131	256.01	0.00	N/L
24	1200	0.0009		0.0011			
25	1250	0.0110	234.06	0.0111	236.66	0.00	N/L
26	1300	0.0005		0.0009			
27	1350	0.0087	199.42	0.0088	202.23	0.00	N/L
28	1400	0.0012		0.0015			
29	1450	0.0065	159.89	0.0067	165.92	0.00	N/L
30	1500	0.0017		0.0020			
31	1550	0.0049	128.99	0.0051	135.44	0.00	N/L
32	1600	0.0017		0.0020			
33	1650	0.0038	106.42	0.0040	113.29	0.00	N/L
34	1700	0.0013		0.0016			
35	1750	0.0032	94.666	0.0033	98.307	0.00	N/L
36	1800	0.0009		0.0010			
37	1850	0.0033	103.92	0.0033	103.92	0.00	N/L
38	1900	0.0004		0.0006			
39	1950	0.0033	109.54	0.0034	113.60	0.00	N/L
40	2000	0.0006		0.0007			

The power of EUT is less than 75W after the testing. According the standard, the equipment with a rated power of 75W or less, other than lighting equipment, limits are not specified in this standard. So the test data needn't list.

Main board 2#

Basic Standard	:	EN 61000-3-2
Final Test Result	:	PASS
Test Mode	:	Mode 1,4,7,10,14,17,20,23
Model No.	:	315LM000**
Temperature	:	23℃
Humidity	:	51%
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 05, 2016



Full Bar : Actual Values

Empty Bar : Maximum Values

Blue : Current , Green : Voltage , Red : Failed

Urms =	230.9V	Freq =	50.000	Range:	2 A
Irms =	0.310A	Ipk =	1.015A	cf =	3.278
P =	38.73W	S =	71.48VA	pf =	0.542
THDi =	82.5 %	THDu =	2.20 %	Class D	
Test - Time :		15min	(100 %)		
Limit Reference:		Pmax = 38.879W			

Test completed

Order	Freq. [Hz]	Irms [A]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status
1	50	0.1775		0.1780			
2	100	0.0066		0.0100			
3	150	0.1610	121.81	0.1613	121.99	0.00	N/L
4	200	0.0068		0.0100			
5	250	0.1381	186.90	0.1385	187.56	0.00	N/L
6	300	0.0060		0.0088			
7	350	0.1093	281.01	0.1100	282.89	0.00	N/L
8	400	0.0049		0.0078			
9	450	0.0776	399.38	0.0787	405.03	0.00	N/L
10	500	0.0026		0.0057			
11	550	0.0457	335.51	0.0468	343.58	0.00	N/L
12	600	0.0012		0.0049			
13	650	0.0195	169.63	0.0206	179.17	0.00	N/L
14	700	0.0017		0.0046			
15	750	0.0006	6.1165	0.0110	110.10	0.00	N/L
16	800	0.0028		0.0042			
17	850	0.0118	134.48	0.0182	206.57	0.00	N/L
18	900	0.0032		0.0034			
19	950	0.0172	218.48	0.0195	247.92	0.00	N/L
20	1000	0.0024		0.0026			
21	1050	0.0175	244.90	0.0177	248.33	0.00	N/L
22	1100	0.0013		0.0015			
23	1150	0.0145	223.21	0.0149	228.84	0.00	N/L
24	1200	0.0005		0.0021			
25	1250	0.0104	173.30	0.0107	179.42	0.00	N/L
26	1300	0.0016		0.0026			
27	1350	0.0068	123.31	0.0072	129.91	0.00	N/L
28	1400	0.0023		0.0026			
29	1450	0.0057	111.16	0.0078	151.36	0.00	N/L
30	1500	0.0023		0.0024			
31	1550	0.0059	121.35	0.0079	164.33	0.00	N/L
32	1600	0.0018		0.0021			
33	1650	0.0057	126.49	0.0065	142.64	0.00	N/L
34	1700	0.0009		0.0013			
35	1750	0.0050	117.03	0.0051	119.88	0.00	N/L
36	1800	0.0004		0.0018			
37	1850	0.0040	99.576	0.0042	102.59	0.00	N/L
38	1900	0.0010		0.0020			
39	1950	0.0029	76.333	0.0034	89.056	0.00	N/L
40	2000	0.0012		0.0017			

The power of EUT is less than 75W after the testing. According the standard, the equipment with a rated power of 75W or less, other than lighting equipment, limits are not specified in this standard. So the test data needn't list.

Test engineer: Sun. Zhang

6.4. Test Photographs

Main board 1#

Main board 2#

7. Voltage Fluctuations Test

7.1. Test Procedure

The equipment shall be tested under the conditions of **Clause 5.**
The total impedance of the test circuit, excluding the appliance under test, but including the internal impedance of the supply source, shall be equal to the reference impedance.
The stability and tolerance of the reference impedance shall be adequate to ensure that the overall accuracy of ±8% is achieved during the whole assessment procedure.

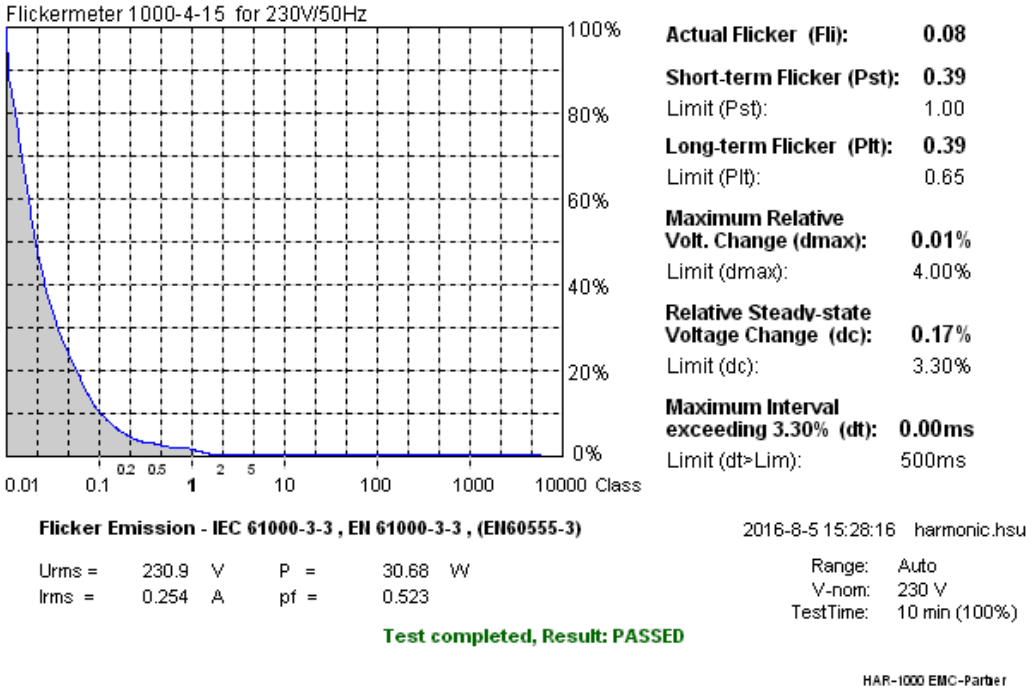
7.2. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMC Emission Tester	EMCPARTNER	Harmonics-1000	159	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2016.03.29	2017.03.28
HARCS	EMC Partner AG	Ver 4.18	N/A	N/A	N/A

7.3. Test Result and Data

Main board 1#

Basic Standard	:	EN 61000-3-3
Final Test Result	:	PASS
Test Mode	:	Mode 1,4,8,11
Model No.	:	315LM000**
Temperature	:	23℃
Humidity	:	51%
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 05, 2016



Full Bar : Actual Values

Empty Bar : Maximum Values

Circles : Average Values

Blue : Current , Green : Voltage , Red : Failed

Urms =	230.9V	Freq =	49.987	Range:	5 A
Irms =	0.254A	Ipk =	0.869A	cf =	3.423
P =	30.68W	S =	58.63VA	pf =	0.523

Test - Time : 1 x 10min = 10min (100 %)

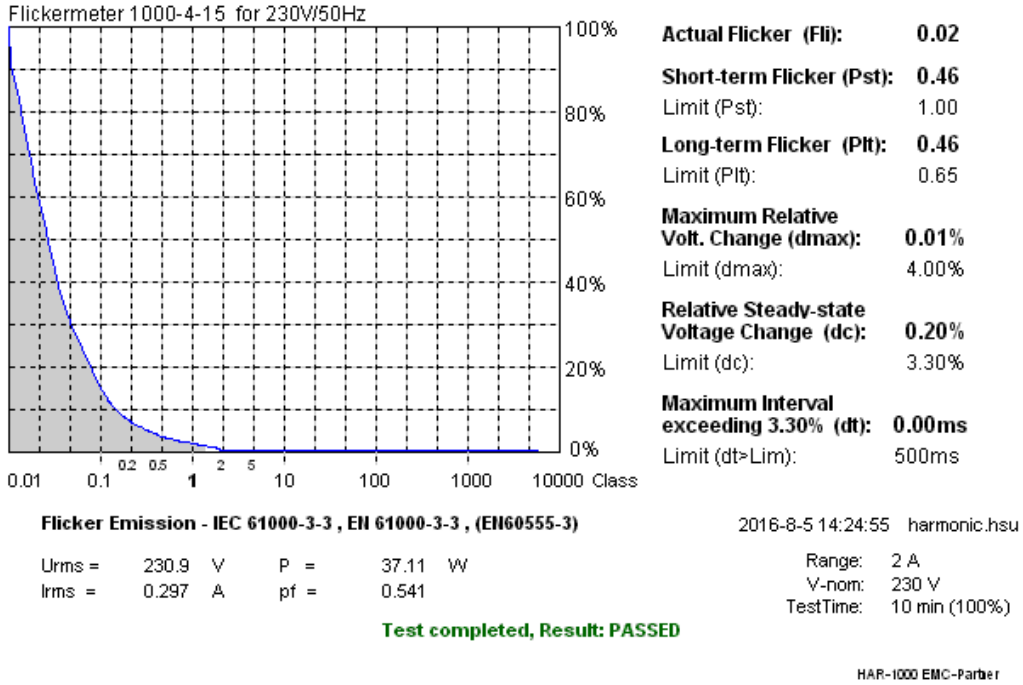
LIN (Line Impedance Network) : No LIN

Limits :	Plt :	0.65	Pst :	1.00	
		dmax :	4.00 %	dc :	3.30 %
		dtLim:	3.30 %	dt>Lim:	500ms

Test completed, Result: PASSED

Main board 1#

Basic Standard	:	EN 61000-3-3
Final Test Result	:	PASS
Test Mode	:	Mode 1,4,7,10,14,17,20,23
Model No.	:	315LM000**
Temperature	:	23℃
Humidity	:	51%
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 05, 2016



Full Bar : Actual Values

Empty Bar : Maximum Values

Circles : Average Values

Blue : Current , Green : Voltage , Red : Failed

Urms =	230.9V	Freq =	50.000	Range:	2 A
Irms =	0.297A	Ipk =	0.971A	cf =	3.270
P =	37.11W	S =	68.55VA	pf =	0.541

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : No LIN

Limits :	Plt :	0.65	Pst :	1.00	
		dmax :	4.00 %	dc :	3.30 %
		dtLim:	3.30 %	dt>Lim:	500ms

Test completed, Result: PASSED

Test engineer: Sun. Zhang

7.4. Test Photographs

Main board 1#

Main board 2#

8. Electrostatic Discharge Immunity Test

8.1. Test Procedure

a. In the case of air discharge testing the climatic conditions shall be within the following ranges:
- ambient temperature: 15℃ to 35℃;
- relative humidity : 30% to 60%;
- atmospheric pressure : 86 KPa (860 mbar) to 106 KPa (1060 mbar).

b. Test programs and software shall be chosen so as to exercise all normal modes of operation of the EUT. The use of special exercising software is encouraged, but permitted only where it can be shown that the EUT is being comprehensively exercised.

c. The test voltage shall be increased from the minimum to the selected test severity level, in order to determine any threshold of failure. The final severity level should not exceed the product specification value in order to avoid damage to the equipment.

d. The test shall be performed with both air discharge and contact discharge. On reselected points at least 10 single discharges (in the most sensitive polarity) shall be applied on air discharge. On reselected points at least 25 single discharges (in the most sensitive polarity) shall be applied on contact discharge.

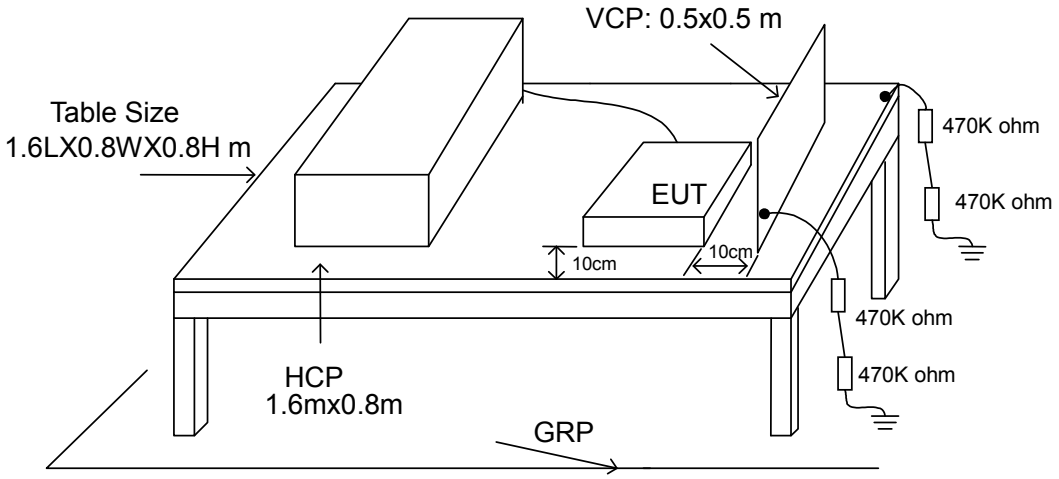
e. For the time interval between successive single discharges an initial value of one second is recommended. Longer intervals may be necessary to determine whether a system failure has occurred.

f. In the case of contact discharges, the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

g. In the case of painted surface covering a conducting substrate, the following procedure shall be adopted :
- If the coating is not declared to be an insulating coating by the equipment manufacturer, then the pointed tip of the generator shall penetrate the coating so as to make contact with the conducting substrate.
- Coating declared as insulating by the manufacturer shall only be submitted to the air discharge.
- The contact discharge test shall not be applied to such surfaces.

h. In the case of air discharges, the round discharge tip of the discharge electrode shall be approached as fast as possible (without causing mechanical damage) to touch the EUT . After each discharge, the ESD generator (discharge electrode) shall be removed from the EUT. The generator is then retriggered for a new single discharge. This procedure shall be repeated until the discharges are completed. In the case of an air discharge test, the discharge switch, which is used for contact discharge, shall be closed.

8.2. Test Setup for Tests Performed in Laboratory



The test setup consists of the test generator, EUT and auxiliary instrumentation necessary to perform DIRECT and INDIRECT application of discharges to the EUT as applicable, in the follow manner :

a. Contact Discharge to the conductive surfaces and to coupling plane;
b. Air Discharge at insulating surfaces.

The preferred test method is that of type tests performed in laboratories and the only accepted method of demonstrating conformance with this standard. The EUT was arranged as closely as possible to arrangement in final installed conditions.

A ground reference plane was provided on the floor of the test site. It was a metallic sheet (copper or aluminum) of 0.25 mm, minimum thickness; other metallic may be used but they shall have at least 0.65 mm thickness. In the Cerpass Technology Corp., we provided 1 mm thickness stainless steel ground reference plane. The minimum size of the ground reference plane is 2.5 m x 2.5 m, the exact size depending on the dimensions of the EUT. It was connected to the protective grounding system.

The EUT was arranged and connected according to its functional requirements. A distance of 1m minimum was provided between the EUT and the wall of the lab. and any other metallic structure. In cases where this length exceeds the length necessary to apply the discharges to the selected points, the excess length shall, where possible, be placed non-inductively off the ground reference plane and shall not come closer than 0.2m to other conductive parts in the test setup.

Where the EUT is installed on a metal table, the table was connected to the reference plane via a cable with a 470k ohm resister located at each end, to prevent a build-up of charge. The test setup was consist a wooden table, 0.8m high, standing on the ground reference plane. A HCP, 1.6 m x 0.8 m, was placed on the table. The EUT and cables was isolated from the HCP by an insulating support 0.5 mm thick. The VCP size, 0.5 m x 0.5 m.

8.3. Test Severity Levels

Contact Discharge		Air Discharge	
Level	Test Voltage (KV) of Contact discharge	Level	Test Voltage (KV) of Air Discharge
1	±2	1	±2
2	±4	2	±4
3	±6	3	±8
4	±8	4	±15
X	Specified	X	Specified
Remark: "X" is an open level.			

8.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
ESD Simulator	EM Test	dito	V0714102399	2016.04.21	2017.04.20
Tonometer	shanghaifengyun	DYM3	3251	2015.12.21	2016.12.20
Dehumidifier	ZEDO	ZD-220LB	CEP-TH-01	N/A	N/A
Humidifier	YADU	YZ-DS251C	CEP-TH-02	N/A	N/A
Temperature/ Humidity Meter	feiyan	N/A	102	2016.03.29	2017.03.28

8.5. Test Result and Data

Final Test Result	:	**PASS**
Pass performance criteria	:	B
Basic Standard	:	IEC 61000-4-2
Model No.	:	315LM000**
Test Voltage	:	±2 / ±4 / ±8 KV for air discharge, ±2 / ±4 KV for contact discharge
Temperature	:	23°C
Relative Humidity	:	50 %
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 06, 2016

Main board 1#

Test Mode : Mode 1,4,8,11

	Contact Discharge								Air Discharge							
	25 times / each								10 times / each							
Voltage	2 kV		4 kV		6 kV		8 kV		2 kV		4 kV		8 kV		10 kV	
Point\Polarity	+	—	+	—	+	—	+	—	+	—	+	—	+	—	+	—
HCP	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
VCP	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
Screw	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
Case	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
Panel	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
VGA Port	A	A	A	A	---	---	---	---	A	A	A	A	A	A	---	---
DVI Port	A	A	A	A	---	---	---	---	A	A	A	A	A	A	---	---
Power Port	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
Button	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
LED Light	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---

Main board 2#

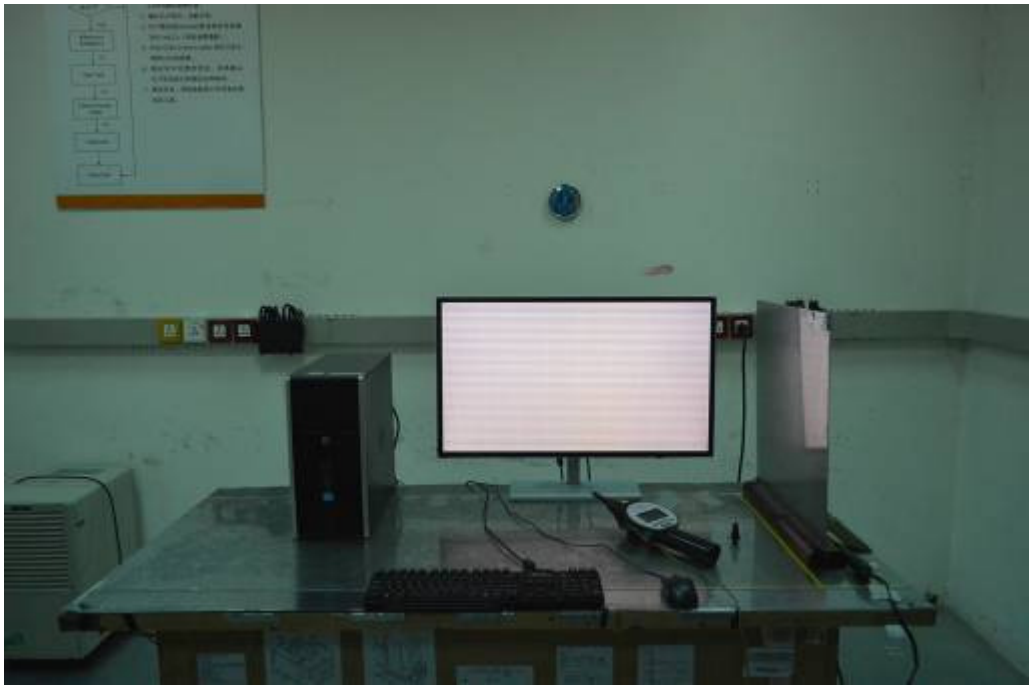
Test Mode : Mode 1,4,7,10,14,17,20,23

	Contact Discharge								Air Discharge							
	25 times / each								10 times / each							
Voltage	2 kV		4 kV		6 kV		8 kV		2 kV		4 kV		8 kV		10 kV	
Point\Polarity	+	—	+	—	+	—	+	—	+	—	+	—	+	—	+	—
HCP	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
VCP	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
Screw	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
Case	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
Panel	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
VGA Port	A	A	A	A	---	---	---	---	A	A	A	A	A	A	---	---
HDMI Port	A	A	A	A	---	---	---	---	A	A	A	A	A	A	---	---
Display Port	A	A	A	A	---	---	---	---	A	A	A	A	A	A	---	---
DVI Port	A	A	A	A	---	---	---	---	A	A	A	A	A	A	---	---
Audio Port	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
Power Port	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
Button	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---
LED Light	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---

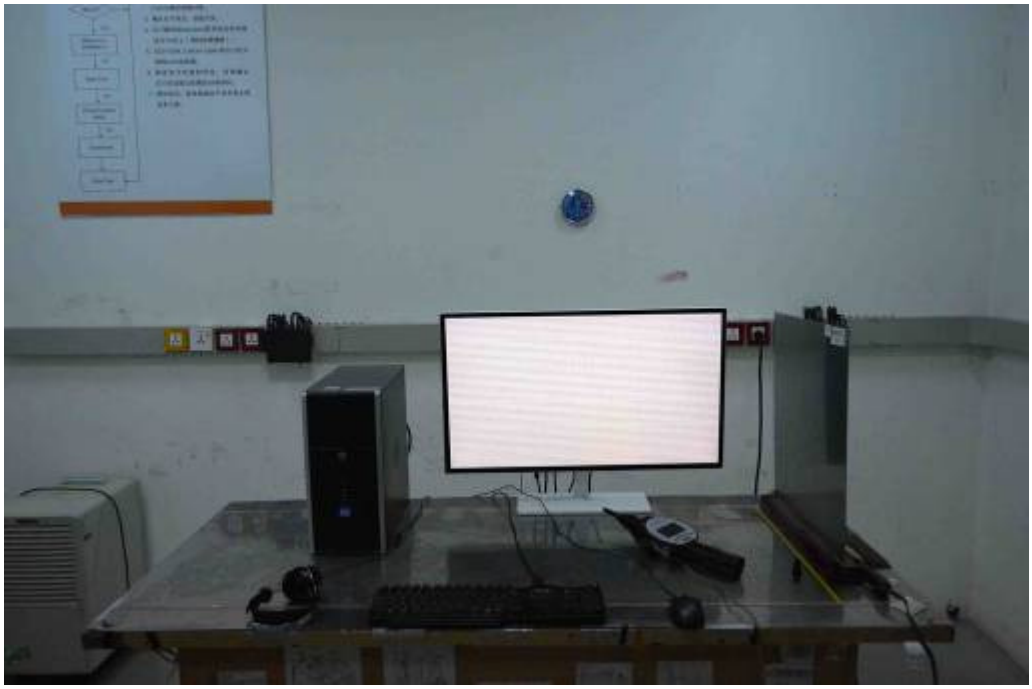
Test engineer: Sun. Zhang

8.6. Test Photographs

Main board 1#



Main board 2#



9. Radio Frequency electromagnetic field immunity test

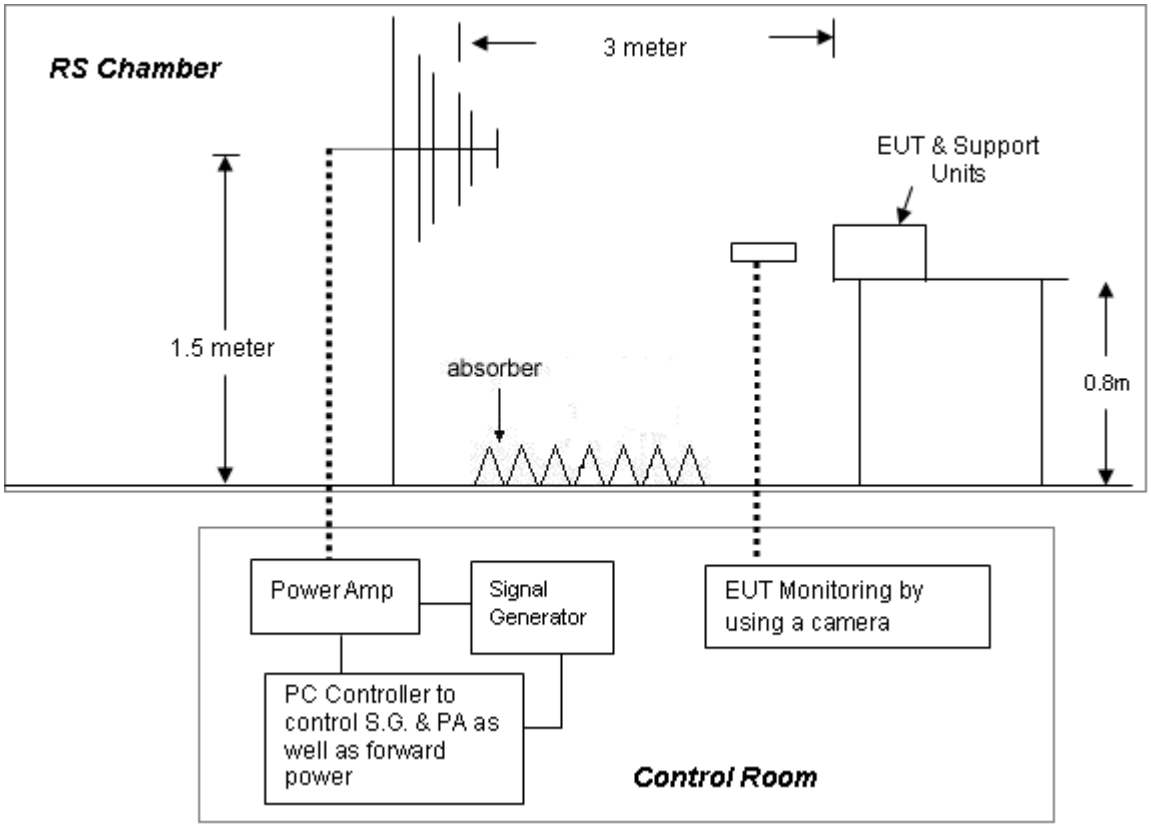
9.1. Test Procedure

a. The equipment to be tested is placed in the center of the enclosure on a wooden table. The equipment is then connected to power and signal leads according to pertinent installation instructions.
b. The antenna which is enabling the complete frequency range of 80-1000 MHz is placed 3m away from the equipment. The required field strength is determined by placing the field strength meter(s) on top of or directly alongside the equipment under test and monitoring the field strength meter via a remote field strength indicator outside the enclosure while adjusting the continuous-wave to the applicable antennae.
c. The test is normally performed with the antenna facing the most sensitive side of the EUT. The polarization of the field generated by the bucolical antenna necessitates testing each position twice, once with the antenna positioned vertically and again with the antenna positioned horizontally. The circular polarization of the field from the log-spiral antenna makes a change of position of the antenna unnecessary.
d. At each of the above conditions, the frequency range is swept 80-1000 MHz, pausing to adjust the R.F. signal level or to switch oscillators and antenna. The rate of sweep is in the order of 1.5*10-3 decades/s. The sensitive frequencies or frequencies of dominant interest may be discretely analyzed.

9.2. Test Severity Levels

Frequency Band : 80-1000 MHz	
Level	Test field strength (V/m)
1	1
2	3
3	10
X	Specified
Remark: “X” is an open class.	

9.3. TEST SETUP



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

NOTE:

TABLETOP EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

FLOOR STANDING EQUIPMENT

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

9.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Signal Generator	R&S	SML03	103287	2016.03.26	2017.03.25
Power Sensor	R&S	NR P-Z91	100383	2016.03.26	2017.03.25
Power Sensor	R&S	NRP-Z91	100384	2016.03.26	2017.03.25
Power Meter	R&S	NRP	101206	2016.03.26	2017.03.25
Power Amplifer	BONN	BLWA0830-160/100/40D	076659	2016.03.26	2017.03.25
Istropic Electric Field Probe	EST.LINDGREN	HI-6105	137445	2015.11.20	2016.11.19
EMS Antenna	R&S	HL046E	100028	N/A	N/A
Temperature/ Humidity Meter	feiyan	N/A	101	2016.03.29	2017.03.28
EMC-32	Rohde&Schwarz	Ver 6.10.0	N/A	N/A	N/A

9.5. Test Result and Data

Final Test Result	:	**PASS**
Pass performance criteria	:	A
Basic Standard	:	IEC 61000-4-3
Model No.	:	315LM000**
Frequency Range	:	80~1000 MHz
Temperature	:	23°C
Relative Humidity	:	51%
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 06, 2016

Main board 1#

Test Mode: Mode 1,4,8,11

Modulation : AM 80% , 1KHz sine wave , Dwell time: 3.0 S

Frequency Step Size : 1 % of preceding frequency value

Frequency (MHz)	Antenna Polarization	face	Field strength (V/m)	Result
80~1000	Vertical	Front	3 V/m	A
80~1000	Vertical	Rear	3 V/m	A
80~1000	Vertical	Left	3 V/m	A
80~1000	Vertical	Right	3 V/m	A
80~1000	Horizontal	Front	3 V/m	A
80~1000	Horizontal	Rear	3 V/m	A
80~1000	Horizontal	Left	3 V/m	A
80~1000	Horizontal	Right	3 V/m	A

Main board 2#

Test Mode: Mode 1,4,7,10,14,17,20,23

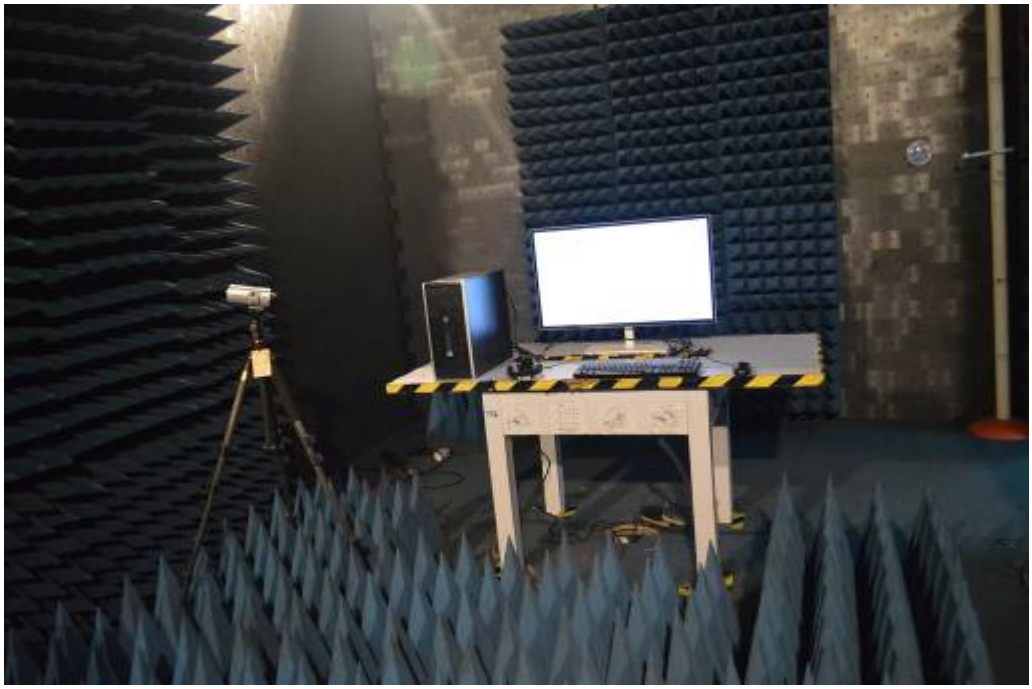
Modulation : AM 80% , 1KHz sine wave , Dwell time: 3.0 S Frequency Step Size : 1 % of preceding frequency value				
Frequency (MHz)	Antenna Polarization	face	Field strength (V/m)	Result
80~1000	Vertical	Front	3 V/m	A
80~1000	Vertical	Rear	3 V/m	A
80~1000	Vertical	Left	3 V/m	A
80~1000	Vertical	Right	3 V/m	A
80~1000	Horizontal	Front	3 V/m	A
80~1000	Horizontal	Rear	3 V/m	A
80~1000	Horizontal	Left	3 V/m	A
80~1000	Horizontal	Right	3 V/m	A

Test engineer: Sun. Zhang

9.6. Test Photographs

Main board 1#

Main board 2#



10. Electrical Fast Transient/ Burst Immunity Test

10.1. Test Procedure

a. In order to minimize the effect of environmental parameters on test results, the climatic conditions when test is carrying out shall comply with the following requirements:
- ambient temperature: 15℃ to 35℃;
- relative humidity : 45% to 75%;
- Atmospheric pressure: 86 Kpa (860 mbar) to 106 Kpa (1060 mbar).

b. In order to minimize the effect of environmental parameters on test results, the electromagnetic environment of the laboratory shall not influence the test results.

c. The variety and diversity of equipment and systems to be tested make it difficult to establish general criteria for the evaluation of the effects of fast transients/bursts on equipment and systems.

d. Test on Power Line:
- The EFT/B-generator was located on the GRP.
  For floor standing equipment 1,0 m
  For table top equipment 0,5 m
- The EFT/B-generator provides the ability to apply the test voltage in a non-symmetrical condition to the power supply input terminals of the EUT.

e. Test on Communication Lines
- The coupling clamp is composed of a clamp unit for housing the cable (length more than 3 m), and was placed on the GRP.
- The coupling clamp provides the ability of coupling the fast transient/bursts to the cable under test.

f. The test results may be classified on the basic of the operating conditions and the functional specification of the equipment under test, according to the following performance criteria :
- Normal performance within the specification limits.
- Temporary degradation or loss of function or performance which is self-recoverable.
- Temporary degradation or loss of function or performance which requires operator intervention or system reset.
- Degradation or loss of function which is not recoverable due to damage of equipment (components).

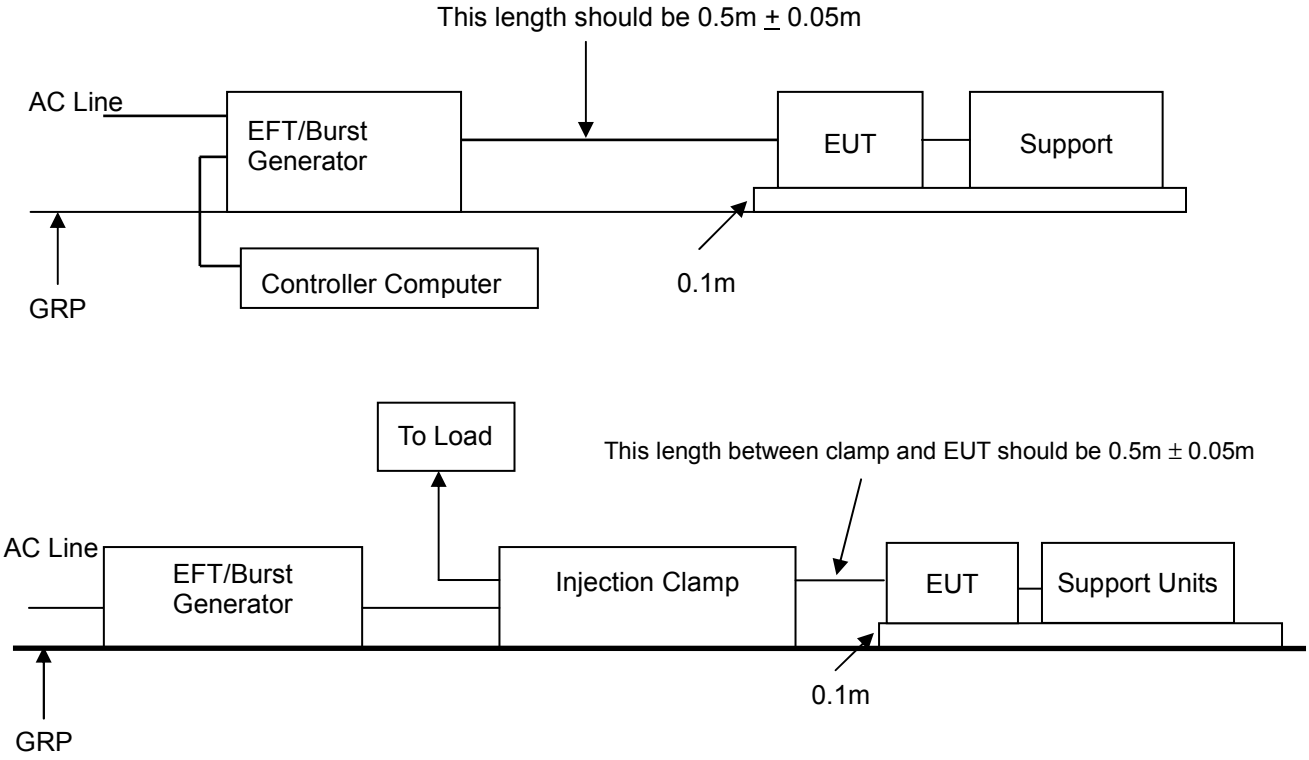
10.2. Test Severity Levels

The following test severity levels are recommended for the fast transient/burst test :

Open circuit output test voltage ± 10%		
Level	On Power Supply	On I/O signal, data and control line
1	0.5 KV	0.25 KV
2	1.0 KV	0.50 KV
3	2.0 KV	1.00 KV
4	4.0 KV	2.00 KV
X	Specified	Specified

Remark : " X " is an open level. The level is subject to negotiation between the user and manufacturer or is specified by the manufacturer.

10.3. TEST SETUP



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

NOTE:

TABLETOP EQUIPMENT

The configuration consisted of a wooden table (0.1m high) standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system. A minimum distance of 0.5m was provided between the EUT and the walls of the laboratory or any other metallic structure.

FLOOR STANDING EQUIPMENT

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

10.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
TRANSIENT	EMCPARTNER	TRA2000IN6	901	2016.03.26	2017.03.25
CDN	EMCPARTNER	CDN2000-06-32	121	2016.03.26	2017.03.25
Coupling clamp	EMCPARTNER	CN-EFT1000	547	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-005	2016.04.02	2017.04.01

10.5. Test Result and Data

Final Test Result	:	**PASS**
Pass performance criteria	:	B
Basic Standard	:	IEC 61000-4-4
Model No.	:	315LM000**
Test Voltage	:	On Power Supply -- ±1.0 kV On I/O signal, data and control line -- ±0.5 kV
Temperature	:	18°C
Relative Humidity	:	47 %
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 06, 2016

Main board 1#

Test Mode: Mode1,4,8,11

Pulse : 5/50 ns Repetition Rate: 5 kHz

Burst : 15m/300ms

Test time : 1 min/each condition

Voltage/ Mode/ Polarity/ Result/ Phase		0.5 kV		1.0 kV	
		+	—	+	—
Power Line	L	---	---	A	A
	N	---	---	A	A
	L-N	---	---	A	A
	PE	---	---	A	A
	L-PE	---	---	A	A
	N-PE	---	---	A	A
	L-N-PE	---	---	A	A

Main board 2#

Test Mode: Mode1,4,7,10,14,17,20,23

Pulse : 5/50 ns		Repetition Rate: 5 kHz			
Burst : 15m/300ms					
Test time : 1 min/each condition					
Voltage/ Mode/ Polarity/ Result/ Phase		0.5 kV		1.0 kV	
		+	—	+	—
Power Line	L	---	---	A	A
	N	---	---	A	A
	L-N	---	---	A	A
	PE	---	---	A	A
	L-PE	---	---	A	A
	N-PE	---	---	A	A
	L-N-PE	---	---	A	A

Test engineer: Sun. Zhang

10.6. Test Photographs

Main board 1#

Main board 2#

11. Surge Immunity Test

11.1. Test Procedure

a. Climatic conditions
The climatic conditions shall comply with the following requirements :
- ambient temperature : 15 ℃ to 35 ℃
- relative humidity : 10 % to 75 %
- atmospheric pressure : 86 kPa to 106 kPa (860 mbar to 1060 mbar)

b. Electromagnetic conditions
the electromagnetic environment of the laboratory shall not influence the test results.

c. The test shall be performed according the test plan that shall specify the test set-up with
- generator and other equipment utilized;
- test level (voltage/current);
- generator source impedance;
- internal or external generator trigger;
- number of tests : at least five positive and five negative at the selected points;
- repetition rate : maximum 1/min.
- inputs and outputs to be tested;
- representative operating conditions of the EUT;
- sequence of application of the surge to the circuit;
- phase angle in the case of AC. power supply;
- actual installation conditions, for example :
  AC : neutral earthed,
  DC : (+) or (-) earthed to simulated the actual earthing conditions.

d. If not otherwise specified the surges have to be applied synchronized to the voltage phase at the zero-crossing and the peak value of the AC. voltage wave (positive and negative).

e. The surges have to be applied line to line and line(s) and earth. When testing line to earth, the test voltage has to be applied successively between each of the lines and earth, if there is no other specification.

f. The test procedure shall also consider the non-linear current-voltage characteristics of the equipment under test. Therefore the test voltage has to be increased by steps up to the test level specified in the product standard or test plan.

g. All lower levels including the selected test level shall be satisfied. For testing the secondary protection, the output voltage of the generator shall be increased up to the worst-case voltage breakdown level (let-through level) of the primary protection.

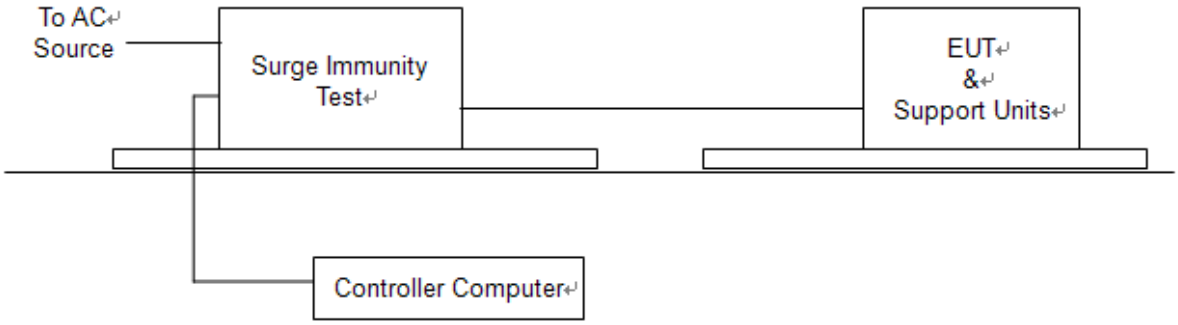
h. If the actual operating signal sources are not available, that may be simulated. Under no circumstances may the test level exceed the product specification. The test shall be carried out according to a test plan.

i. To find all critical points of the duty cycle of the equipment, a sufficient number of positive and negative test pulses shall be applied. For acceptance test previously unstressed equipment shall be used to the protection devices shall be replaced.

11.2. Test Severity Level

Level	Open-circuit test voltage, ± 10%, KV
1	0.5
2	1.0
3	2.0
4	4.0
X	Specified
NOTE: “X” is an open class. This level can be specified in the product specification.	

11.3. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

11.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
TRANSIENT	EMCPARTNER	TRA2000IN6	901	2016.03.26	2017.03.25
CDN	EMCPARTNER	CDN-UTP8	021	2016.03.26	2017.03.25
CDN	EMCPARTNER	CDN2000-06-32	121	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-005	2016.04.02	2017.04.01

11.5. Test Result and Data

Final Test Result	:	**PASS**
Pass performance criteria	:	B
Basic Standard	:	IEC 61000-4-5
Model No.	:	315LM000**
Test Voltage	:	Input AC Power Port -- ±0.5/1.0 kV for Line to Line ±0.5/1.0/2.0 kV for Line to Ground
Temperature	:	18°C
Relative Humidity	:	47 %
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 06, 2016

Main board 1#

Test Mode: Mode 1,4,8,11

Waveform : 1.2/50μs(8/20μs) Repetition rate : 60 sec Time : 20 time/each condition						
/Phase Voltage / Mode / Polarity / Result			0°	90°	180°	270°
0.5/1.0 kV	L-N	+	A	A	A	A
		—	A	A	A	A
0.5/1.0/2.0kV	L-PE	+	A	A	A	A
		—	A	A	A	A
	N-PE	+	A	A	A	A
		—	A	A	A	A

Main board 2#

Test Mode: Mode 1,4,7,10,14,17,20,23

Waveform : 1.2/50μs(8/20μs) Repetition rate : 60 sec Time : 20 time/each condition						
/Phase Voltage / Mode / Polarity / Result			0°	90°	180°	270°
0.5/1.0 kV	L-N	+	A	A	A	A
		—	A	A	A	A
0.5/1.0/2.0kV	L-PE	+	A	A	A	A
		—	A	A	A	A
	N-PE	+	A	A	A	A
		—	A	A	A	A

Test engineer Sun. Zhang

11.6. Test Photographs

Main board 1#

Main board 2#

12. Conduction Disturbances induced by Radio-Frequency Fields

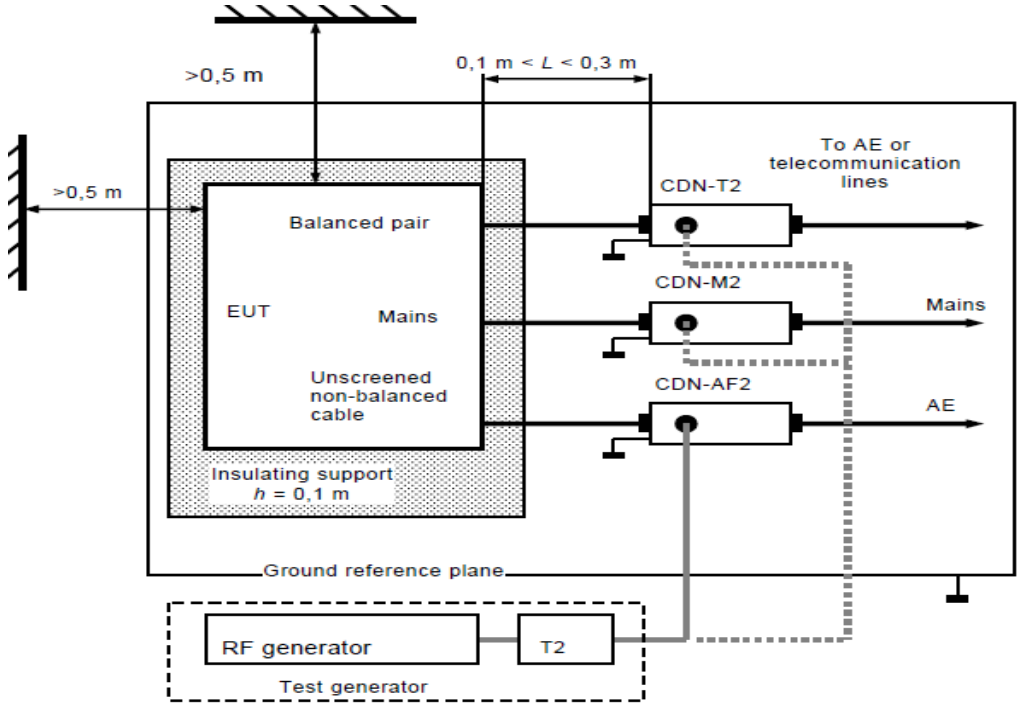
12.1. Test Procedure

a. The EUT shall be operated within its intended climatic conditions. The temperature and relative humidity should be recorded.
b. This test method test can be performed without using a sell shielded enclosure. This is because the disturbance levels applied and the geometry of the setups are not likely to radiated a high amount of energy, especially at the lower frequencies. If under certain circumstances the radiated energy is too high, a shielded enclosure has to be used.
c. The test shall be performed with the test generator connected to each of the coupling and decoupling devices in turn while the other non-excited RF-input ports of the coupling devices are terminated by a 50 ohm load resistor.
d. The frequency range is swept from 150 KHz to 80 MHz, using the signal levels established during the setting process, and with the disturbance signal 80% amplitude modulated with a 1KHz sign wave, pausing to adjust the RF-signal level or to switch coupling devices as necessary. The rate of sweep shall no exceed 1.5 x 10^{-3} decades/s. Where the frequency is swept incrementally, the step size shall no exceed 1% of the start and thereafter 1% of the preceding frequency value.
e. The dwell time at each frequency shall not be less than the time necessary for the EUT to be exercised, and able to respond. Sensitive frequencies e.g. clock frequency (ies) and harmonics or frequencies of dominant interest shall be analyzed separately.
f. An alternative test procedure may be adopted, wherein the frequency range is swept incrementally, with a step size not exceeding 4% of the start ad thereafter 4% of the preceding frequency value. The test level should be at least twice the value of the specified test level.
g. In cases of dispute, the test procedure using a step size not exceeding 1% of the start and thereafter 1% of preceding frequency value shall take precedence.
h. Attempts should be made to fully exercise the EUT during testing, and to fully interrogate all exercise modes selected for susceptibility.
i. The use of special exercising programs is recommended.
j. Testing shall be performed according to a Test Plan, which shall be included in the test report.
k. It may be necessary to carry out some investigatory testing in order to establish some aspects of the test plan.

12.2.Test Severity Levels

Level	Voltage Level (e.m.f.)
1	1 V
2	3 V
3	10 V
x	Specified
NOTE - x is an open class. This level can be specified in the product specification.	

12.3.TEST SETUP



Note: 1. The EUT is setup 0.1m above Ground Reference Plane
2. The CDNs and / or EM clamp used for real test depends on ports and cables configuration of EUT.

3. For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

12.4.Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Conducted immunity test system	FRANKONIA	CIT-10/75	102D1294	2016.03.26	2017.03.25
EM Injection clamp	FCC	F-203I-23MM	536	2016.03.26	2017.03.25
CDN	FRANKONIA	CDN-T2	A3010029	2016.03.26	2017.03.25
CDN	FRANKONIA	CDN-T4	A3015017	2016.03.26	2017.03.25
CDN	FRANKONIA	CDN-T8	A3022010	2016.03.26	2017.03.25
CDN	FRANKONIA	CDN-M2	A3002037	2016.03.26	2017.03.25
CDN	FRANKONIA	CDN-M2+M3	A3011102	2016.03.26	2017.03.25
CDN	FCC	CDN-M5/32	A3013024	2016.03.26	2017.03.25
6 dB Attenuator	FRANKONIA	N/A	N/A	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-005	2016.04.02	2017.04.01
EN61000-4-6	Hubert GmbH	Ver 2.21	N/A	N/A	N/A

12.5. Test Result and Data

Final Test Result	:	**PASS**
Pass performance criteria	:	A
Basic Standard	:	IEC 61000-4-6
Model No.	:	315LM000**
Coupling mode	:	CDN-(M2+M3) for AC power ports CDN-T4 for signal ports EM-Clamp for signal ports
Temperature	:	18°C
Relative Humidity	:	47 %
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 06, 2016

Main board 1#

Test Mode : Mode 1,4,8,11

Frequency : 0.15~80MHz, Modulation : AM 80%,1KHz sine wave, Dwell time:3.0s Frequency Step Size : 1 % of preceding frequency value			
Frequency	Test mode	Voltage(V)	Result
0.15 ~ 80MHz	Power(M3)	3	A

Main board 2#

Test Mode : Mode 1,4,7,10,14,17,20,23

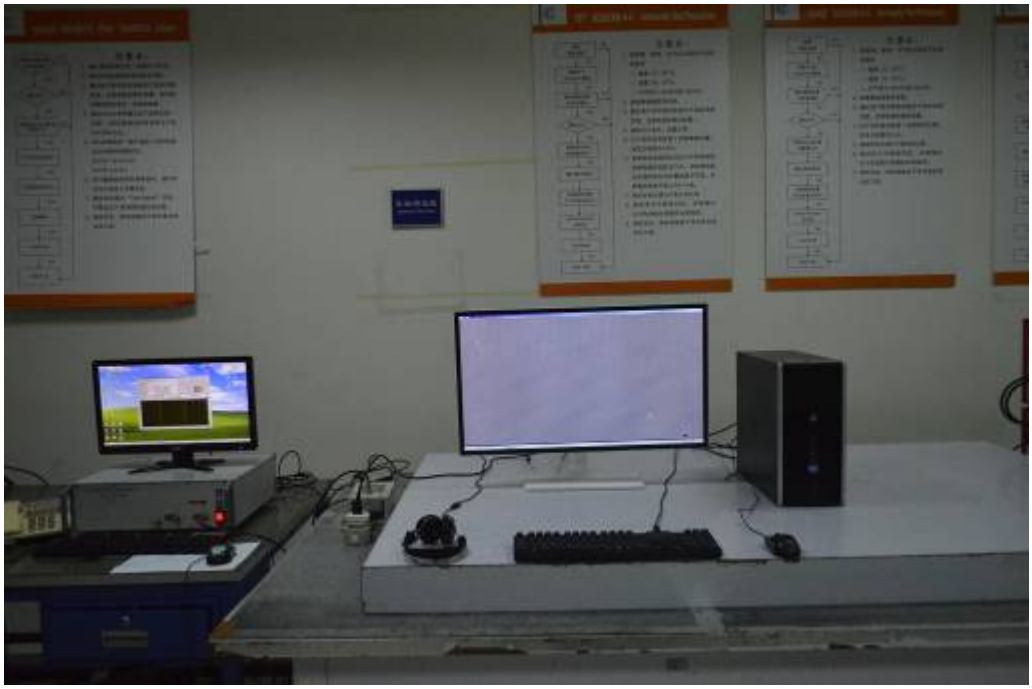
Frequency : 0.15~80MHz, Modulation : AM 80%,1KHz sine wave, Dwell time:3.0s Frequency Step Size : 1 % of preceding frequency value			
Frequency	Test mode	Voltage(V)	Result
0.15 ~ 80MHz	Power(M3)	3	A

Test engineer: Sun. Zhang

12.6. Test Photographs

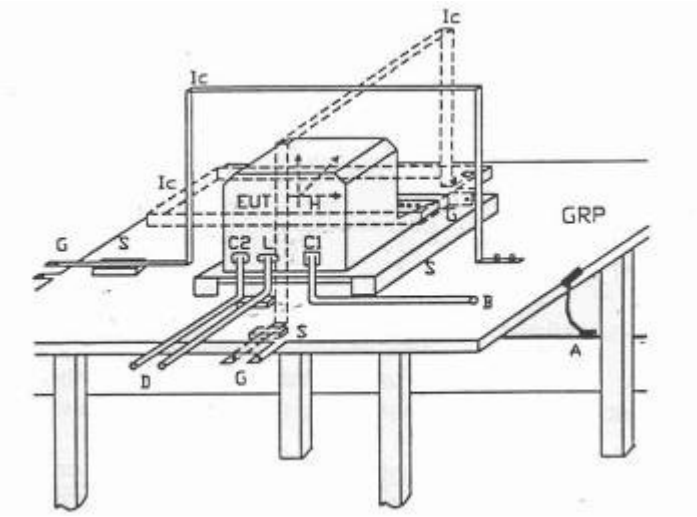
Main board 1#

Main board 2#



13. Power Frequency Magnetic Field Immunity Test

13.1. Test Setup



GPR	:	Ground plane	C1	:	Power supply circuit
A	:	Safety earth	C2	:	Signal circuit
S	:	Insulating support	L	:	Communication line
EUT	:	Equipment under test	B	:	To power supply source
Lc	:	Induction coil	D	:	To signal source, simulator
E	:	Earth terminal	G	:	To the test generator

13.2. Test Severity Levels

Level	Magnetic field strength (A/m)
1	1
2	3
3	10
4	30
5	100
X[1)]	special
NOTE 1 “X” is an open level. This level can be given in the product specification.	

13.3. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
TRANSIENT	EMCPARTNER	TRA2000IN6	901	2016.03.26	2017.03.25
H-Filed-Loop	EMCPARTNER	MF1000-1	144	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-005	2016.04.02	2017.04.01

13.4. Test Result and Data

Final Test Result	:	**PASS**
Pass performance criteria	:	A
Basic Standard	:	IEC 61000-4-8
Model No.	:	315LM000**
Temperature	:	18°C
Relative Humidity	:	47 %
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 06, 2016

Main board 1#

Test Mode: Mode 1,4,8,11

Power Frequency Magnetic Field : 50 Hz, 1 A/m		
Coil Orientation	Testing duration	Results
X-axis	1.0 Min	A
Y-axis	1.0 Min	A
Z-axis	1.0 Min	A
Power Frequency Magnetic Field : 60 Hz, 1 A/m		
Coil Orientation	Testing duration	Results
X-axis	1.0 Min	A
Y-axis	1.0 Min	A
Z-axis	1.0 Min	A

Main board 2#

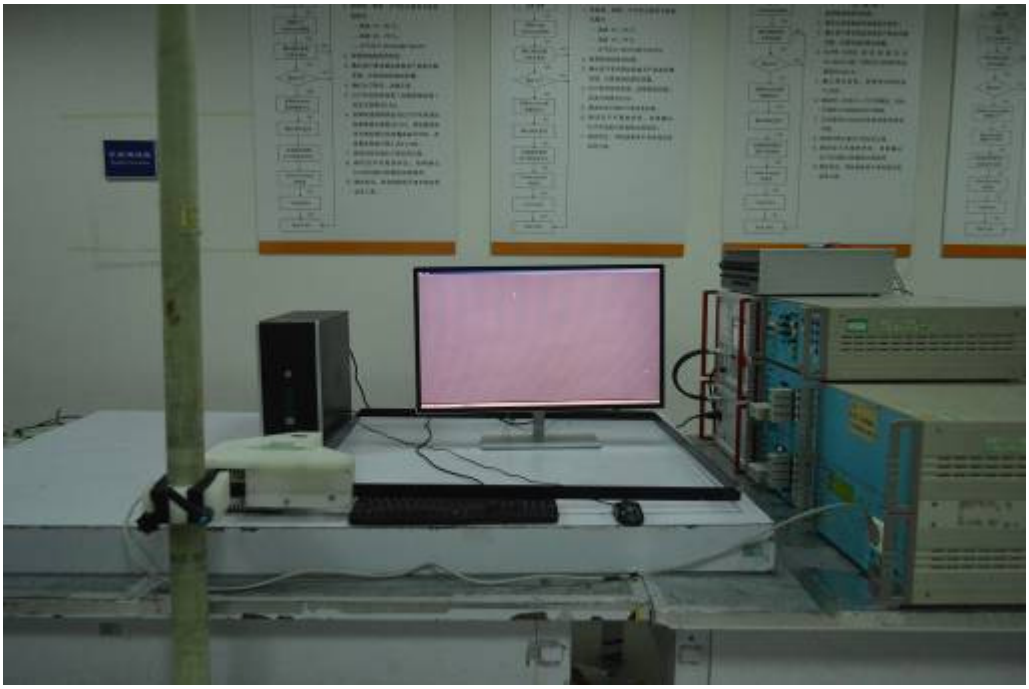
Test Mode: Mode 1,4,7,10,14,17,20,23

Power Frequency Magnetic Field : 50 Hz, 1 A/m		
Coil Orientation	Testing duration	Results
X-axis	1.0 Min	A
Y-axis	1.0 Min	A
Z-axis	1.0 Min	A
Power Frequency Magnetic Field : 60 Hz, 1 A/m		
Coil Orientation	Testing duration	Results
X-axis	1.0 Min	A
Y-axis	1.0 Min	A
Z-axis	1.0 Min	A

Test engineer: Sun. Zhang

13.5. Test Photographs

Main board 1#



Main board 2#

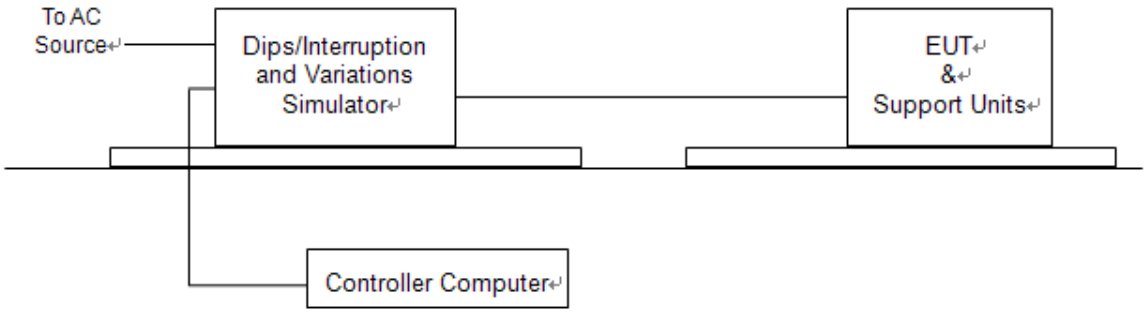
14. Voltage Dips and Voltage Interruptions Immunity Test Setup

14.1. Test Conditions

1. Source voltage and frequency : AC 100/230/240V / 50Hz, Single phase.
2. Test of interval : 10 sec.
3. Level and duration : Sequence of 3 dips/interrupts.
4. Voltage rise (and fall) time : 1 ~ 5 μs.
5. Test severity :

Voltage dips and Interrupt reduction (%)	Test Duration (period)
>95%	250
30%	25
>95%	0.5

14.2. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

14.3. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
TRANSIENT	EMCPARTNER	TRA2000IN6	901	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-005	2016.04.02	2017.04.01

14.4. Test Result and Data

Final Test Result	:	**PASS**
Pass performance Criteria	:	C for voltage interruption, B for voltage dips
Basic Standard	:	IEC 61000-4-11
Model No.	:	315LM000**
Temperature	:	18°C
Relative Humidity	:	47 %
Atmospheric Pressure	:	100 kPa
Test Date	:	Aug 06, 2016

Main board 1#

Test Mode: Mode 1,4,8,11

Voltage(UT): AC 230 V/240V 50 Hz Interval(s) : 10s Times : 3										
Test mod	Test level UT %	Durations (period / ms)	Phase / Result							
			0	45	90	135	180	225	270	315
Voltage interruptions	>95%	250	C	C	C	C	C	C	C	C
Voltage dips	30%	25	A	A	A	A	A	A	A	A
	>95%	0.5	A	A	A	A	A	A	A	A

Test Mode: Mode 1,4,8,11

Voltage(UT): AC 100 V 50 Hz Interval(s) : 10s Times : 3										
Test mod	Test level UT %	Durations (period / ms)	Phase / Result							
			0	45	90	135	180	225	270	315
Voltage interruptions	>95%	250	C	C	C	C	C	C	C	C
Voltage dips	30%	25	B	B	B	B	B	B	B	B
	>95%	0.5	B	B	B	B	B	B	B	B

Main board 2#

Test Mode: Mode 1,4,7,10,14,17,20,23

Voltage(UT): AC 230 V/240V 50 Hz Interval(s) : 10s Times : 3										
Test mod	Test level UT %	Durations (period / ms)	Phase / Result							
			0	45	90	135	180	225	270	315
Voltage interruptions	>95%	250	C	C	C	C	C	C	C	C
Voltage dips	30%	25	A	A	A	A	A	A	A	A
	>95%	0.5	A	A	A	A	A	A	A	A

Test Mode: Mode 1,4,7,10,14,17,20,23

Voltage(UT): AC 100 V 50 Hz Interval(s) : 10s Times : 3										
Test mod	Test level UT %	Durations (period / ms)	Phase / Result							
			0	45	90	135	180	225	270	315
Voltage interruptions	>95%	250	C	C	C	C	C	C	C	C
Voltage dips	30%	25	B	B	B	B	B	B	B	B
	>95%	0.5	B	B	B	B	B	B	B	B

Test engineer: Sun. Zhang

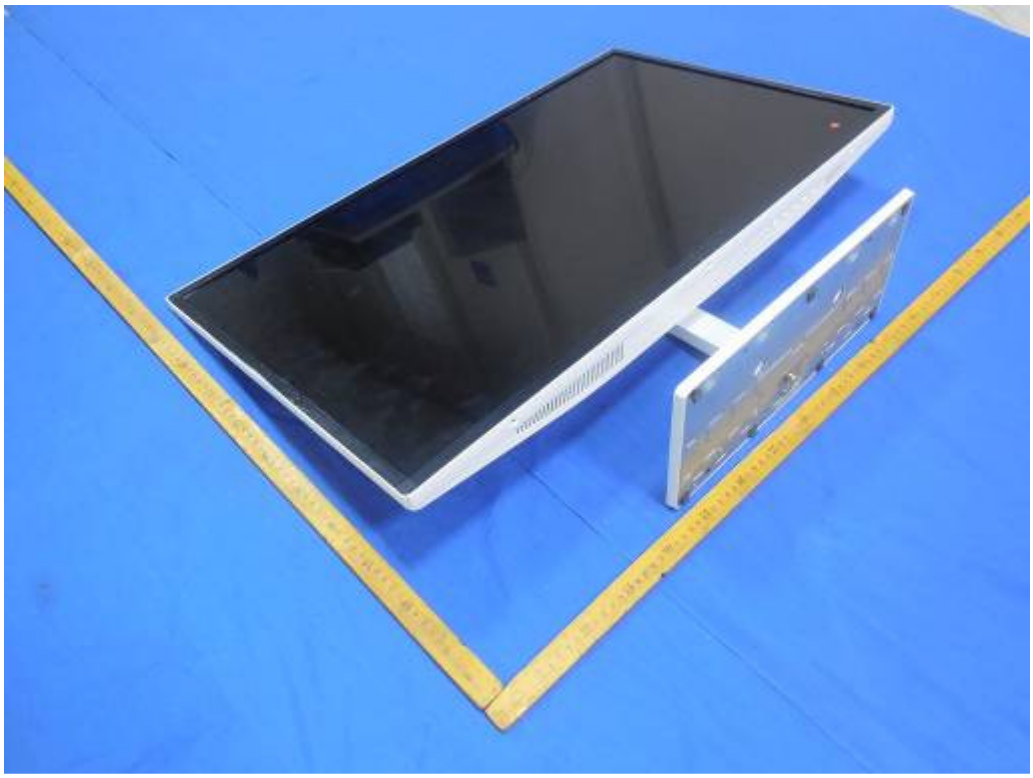
14.5. Test Photographs

Main board 1#

Main board 2#

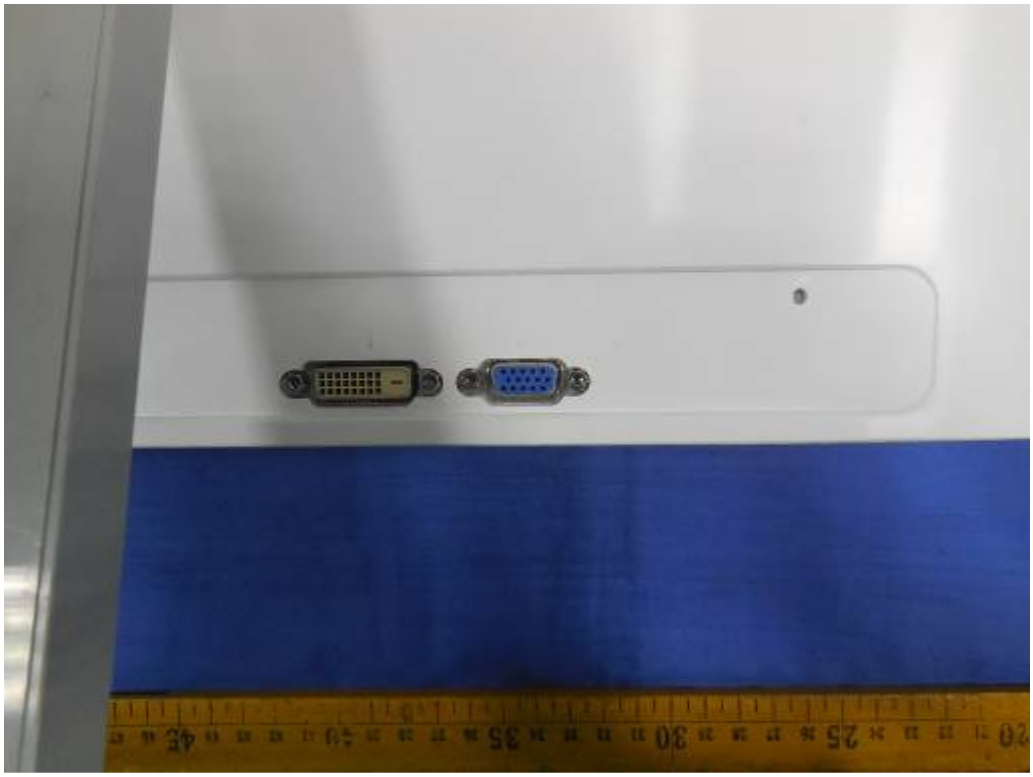
15. Photographs of EUT

1) EUT Photo



2) EUT Photo

3) EUT Photo(Main board 1#)



4) EUT Photo(Main board 2#)

5) EUT Photo