

EMC TEST REPORT

Test item : LED LCD TV Monitor
Model No. : 32LT560C-UA
Order No. : 1112-01778
Date of receipt : 2011-12-19
Test duration : 2011-12-26 ~ 2011-12-30
Use of report : FCC CoC Marking
Date of Issue : 2012-01-03

Applicant : LG Electronics Inc.

9-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea

Test laboratory : Digital EMC Co., Ltd.

683-3, Yubang-Dong, Cheoin-Gu, Yongin-Si, Gyeonggi-Do, 449-080, Korea

Test specification : ANSI C 63.4:2003
FCC Part 15 Subpart B
(Type of Device : Class B Personal Computers
and Peripherals (JBP))

Test environment : Temperature : (19 ~ 23) °C,
Humidity : (30 ~ 37) % R.H.

Test result : Comply Not Comply

The test results presented in this test report are limited only to the sample supplied by applicant and the use of this test report is inhibited other than its purpose.

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Tested by:

Reviewed by:



Assistant Manager
D.H.EUN



General Manager
C.H.LEE

The above test report is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

PRESIDENT OF DIGITAL EMC CO., LTD.

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1. General Remarks

This report contains the result of tests performed by:

DIGITAL EMC CO., LTD.

Address : 683-3, Yubang-Dong, Cheoin-Gu, Yongin-Si, Gyeonggi-Do, 449-080, Korea

<http://www.digitalemc.com>

Tel: +82-31-321-2664 Fax: +82-31-321-1664

2. Test Laboratory

Digital EMC Co., Ltd. Has been accredited / filed / authorized by the agencies listed in the following table;

Certificate	Nation	Agency	Code	Mark
Accreditation	Korea	KOLAS	393	ISO/IEC 17025
Site Filing	USA	FCC	101842 678747	Test Facility list & NSA Data
	Canada	IC	5740A-1 5740A-2	Test Facility list & NSA Data
	Japan	VCCI	C-1427 R-1364, R-3385 T-1442, G-338	Test Facility list & NSA Data
Certification	Korea	KC	KR0034	Test Facility list & NSA Data
	Germany	TUV	ROK1028C	ISO/IEC 17025

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competent of calibration and testing laboratory".

3. General Information of EUT

Model No.	32LT560C-UA
EUT Type	LED LCD TV Monitor
Serial No	NONE
FCC ID	BEJ32LT560CUA
Type of Sample Tested	Pre-Production
High Frequency	667 MHz
Rating	AC100-240 V~, 50/60 Hz, 0.6 A
Supplied Power for Test	AC120V, 60Hz
Applicant	LG Electronics Inc. 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea
Manufacturer	LG Electronics Inc. 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
720x400	31.469	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1360x768	47.712	60.015
1280x1024	63.981	60.02
1920x1080	67.5	60.00

4. Test Summary

4.1 Applied standards and test results

Test Items	Applied Standards	Results
Conducted Disturbance	ANSI C63.4:2003	C
Radiated Disturbance	ANSI C63.4:2003	C
C=Comply N/C=Not Comply N/T=Not Tested N/A=Not Applicable		

The data in this test report are traceable to the national or international standards.

4.2 Test environment and conditions

Test Items	Test date (MM-DD)	Temp ()	Humidity (% R.H.)	Pressure (hPa)
Conducted Disturbance	12-23	20	34	-
Radiated Disturbance	12-27	19	30	
	12-30	23	37	

4.3 Test result Summary

(1) Conducted Emission(USB MODE)

Frequency [MHz]	Phase	Result [dB μ V]	Detector	Limit [dB μ V]	Margin [dB]
0.29031	L1	46.5	Quasi-Peak	60.5	14.0

(2) Radiated Emission(USB MODE)

Frequency [MHz]	Pol.	Result [dB(μ V/m)]	Detector	Limit [dB(μ V/m)]	Margin [dB]
86.000	H	33.7	Quasi-Peak	40.0	6.3

5. Test Set-up and operation mode

5.1 Principle of Configuration Selection

Emission : The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

5.2 Test Operation Mode

- DSUB+LAN MODE – Resolution : 1920 x 1080 Resolution (Worst Case)
- HDMI+LAN MODE – Resolution : 1920 x 1080 Resolution (Worst Case)
- USB MODE

5.3 Support Equipment Used

Unit	Model No.	Serial No.	Manufacturer	CABLE			Backshell	FCC ID
				Connect type	Length (m)	shield		
PC	VOSTRO430	9K77SBX	DELL	POWER	1.8	Non-shield	Plastic	DOC
				HDMI	1.8	Shield		
				DSUB	1.8	Shield		
				USB	1.8	Non-shield		
				PS/2	1.6	Non-shield		
				PS/2	1.8	Non-shield		
				STEREO	1.6	Non-shield		
				LAN	1.6	Non-shield		
KEYBOARD	SKG-210P	TAKSC12255P	MONITOEREY INTERNATIONAL CORP	PS/2	1.6	Non-shield	Plastic	DOC
MOUSE	SML-510PB	TAKS903519Z	MONITOEREY INTERNATIONAL CORP	PS/2	1.8	Non-shield	Plastic	DOC
PRINTER	SRP-770	SRP77008060035	BICSOLON	POWER	1.8	Non-shield	Plastic	DOC
				USB	1.8			
USB MEMORY	POP-S2	N/A	MEMORIVE	USB	-	-	-	DOC

6. Test Results : Emission

6.1 Conducted Disturbance

6.1.1 Measurement Procedure

In the range of 0.15MHz to 30MHz, the conducted disturbance was measured and set-up was made accordance with **ANSI C63.4**.

If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8m above the reference ground plane and 0.4m from the conducting wall of the shielded room.

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15m above the reference ground plane.

Connect the EUT's power source lines to the appropriate power mains / peripherals through the LISN. All the other peripherals are connected to the 2nd LISN, if any.

Unused measuring port of the LISN was resistively terminated by 50 ohm terminator.

The measuring port of the LISN for EUT was connected to spectrum analyzer.

Using conducted emission test software, the emissions were scanned with peak detector mode.

After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has Quasi-Peak detector and Average detector.

By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.

For further description of the configuration refer to the picture of the test set-up.

6.1.2 Limit for Conducted Disturbance

(1) Conducted disturbance at mains ports.

Frequency range (MHz)	Limits dB(μ V)			
	Quasi-peak		Average	
	Class A	Class B	Class A	Class B
0.15 to 0.50	79	66 to 56	66	56 to 46
0.50 to 5	73	56	60	46
5 to 30		60		50

Note 1 The lower limit shall apply at the transition frequencies.
 Note 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

Test Result

< DSUB + LAN MODE >



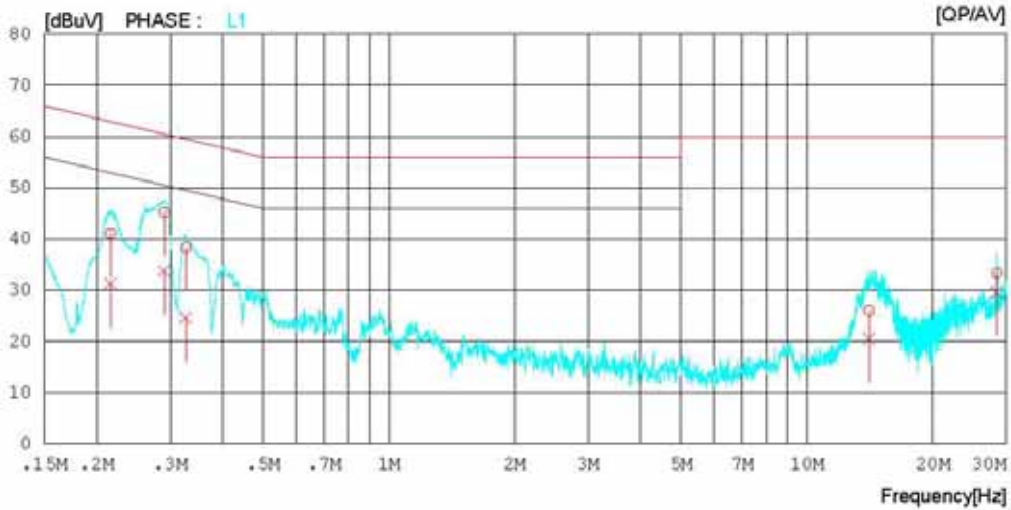
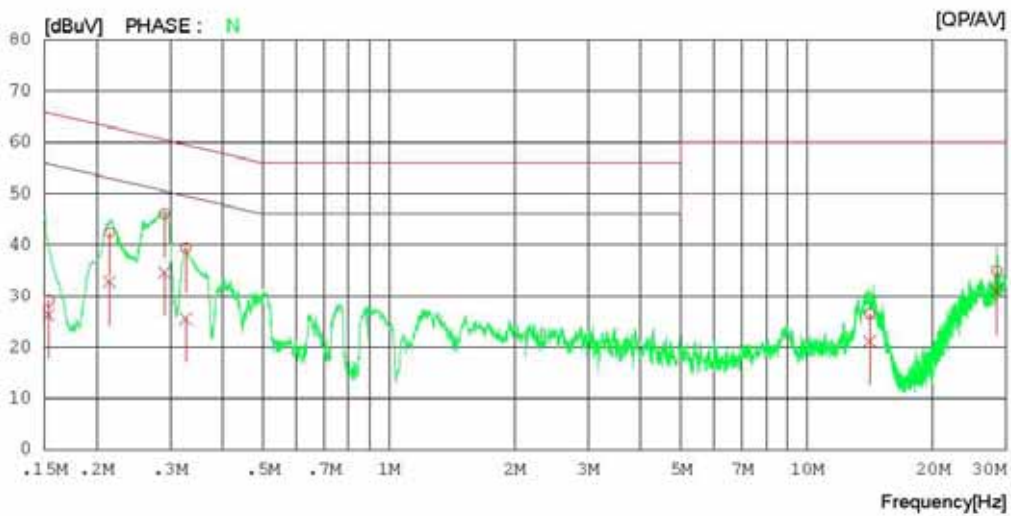
Results of Conducted Emission

Digital EMC
Date : 2011-12-23

Model No. : 32LT560C-UA
 Type :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 34 % R.H.
 Operator :

Memo :
 LIMIT : CISPR22_B OP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2011-12-23

Model No. : 32LT560C-UA
 Type :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 34 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B QP
 CISPR22_B AV

NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.15350	28.9	26.1	0.2	29.1	26.3	65.8	55.8	36.7	29.5	N
2	0.21485	42.3	32.7	0.1	42.4	32.8	63.0	53.0	20.6	20.2	N
3	0.29031	45.9	34.5	0.1	46.0	34.6	60.5	50.5	14.5	15.9	N
4	0.32691	39.3	25.4	0.1	39.4	25.5	59.5	49.5	20.1	24.0	N
5	14.14550	25.6	20.2	0.9	26.5	21.1	60.0	50.0	33.5	28.9	N
6	28.48500	33.7	29.9	1.1	34.8	31.0	60.0	50.0	25.2	19.0	N
7	0.21584	41.0	31.2	0.1	41.1	31.3	63.0	53.0	21.9	21.7	L1
8	0.29031	45.2	33.7	0.1	45.3	33.8	60.5	50.5	15.2	16.7	L1
9	0.32698	38.3	24.5	0.1	38.4	24.6	59.5	49.5	21.1	24.9	L1
10	14.07800	25.1	19.6	0.9	26.0	20.5	60.0	50.0	34.0	29.5	L1
11	28.48400	32.3	28.5	1.1	33.4	29.6	60.0	50.0	26.6	20.4	L1

< HDMI + LAN MODE >



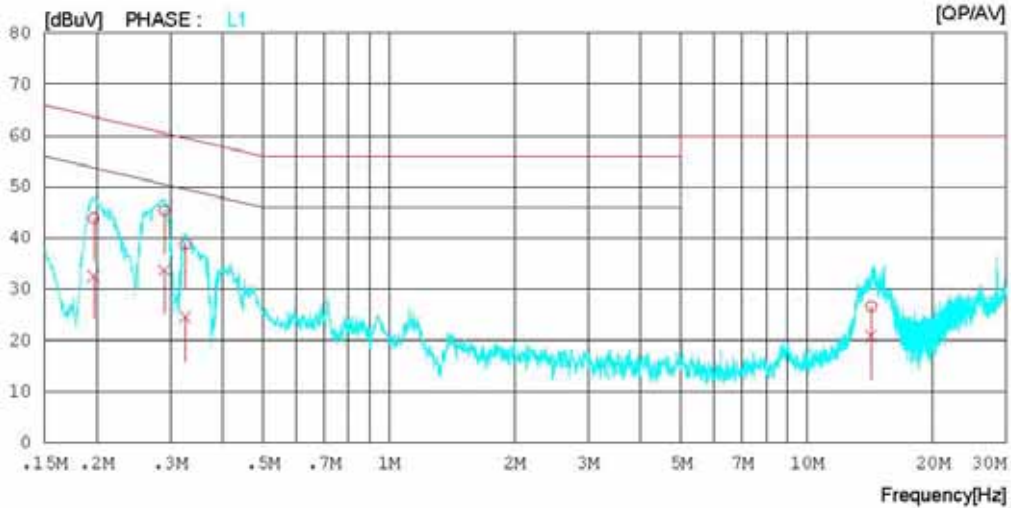
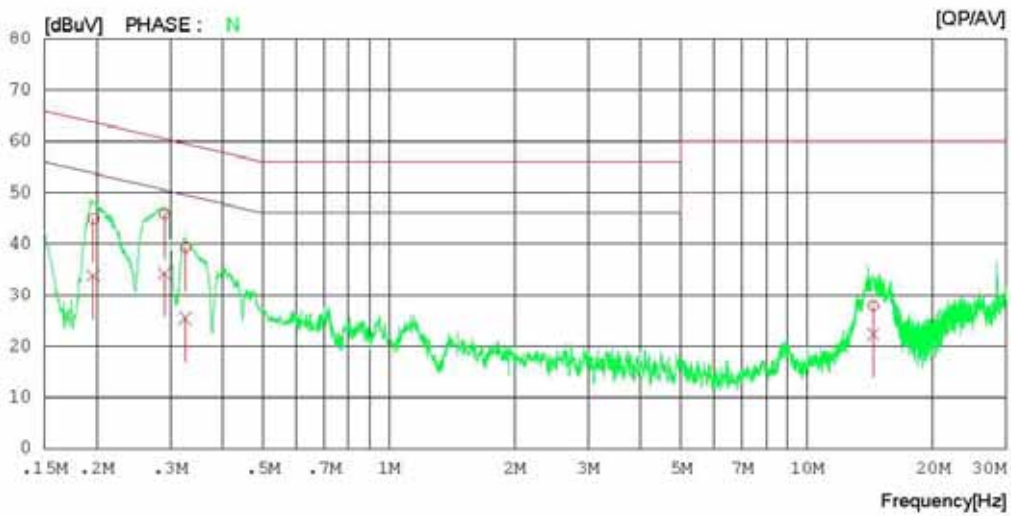
Results of Conducted Emission

Digital EMC
 Date : 2011-12-23

Model No. : 32LT560C-UA
 Type :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 34 % R.H.
 Operator :

Memo :
 LIMIT : CISPR22_B OP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
 Date : 2011-12-23

Model No. : 32LT560C-UA
 Type :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 34 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B QP
 CISPR22_B AV

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.19641	44.8	33.7	0.1	44.9	33.8	63.8	53.8	18.9	20.0	N
2	0.29048	45.7	34.2	0.1	45.8	34.3	60.5	50.5	14.7	16.2	N
3	0.32650	39.2	25.3	0.1	39.3	25.4	59.5	49.5	20.2	24.1	N
4	14.43250	26.9	21.4	0.9	27.8	22.3	60.0	50.0	32.2	27.7	N
5	0.19681	43.8	32.5	0.1	43.9	32.6	63.7	53.7	19.8	21.1	L1
6	0.29054	45.3	33.7	0.1	45.4	33.8	60.5	50.5	15.1	16.7	L1
7	0.32633	38.7	24.5	0.1	38.8	24.6	59.5	49.5	20.7	24.9	L1
8	14.26800	25.8	20.1	0.9	26.7	21.0	60.0	50.0	33.3	29.0	L1

< USB MODE >



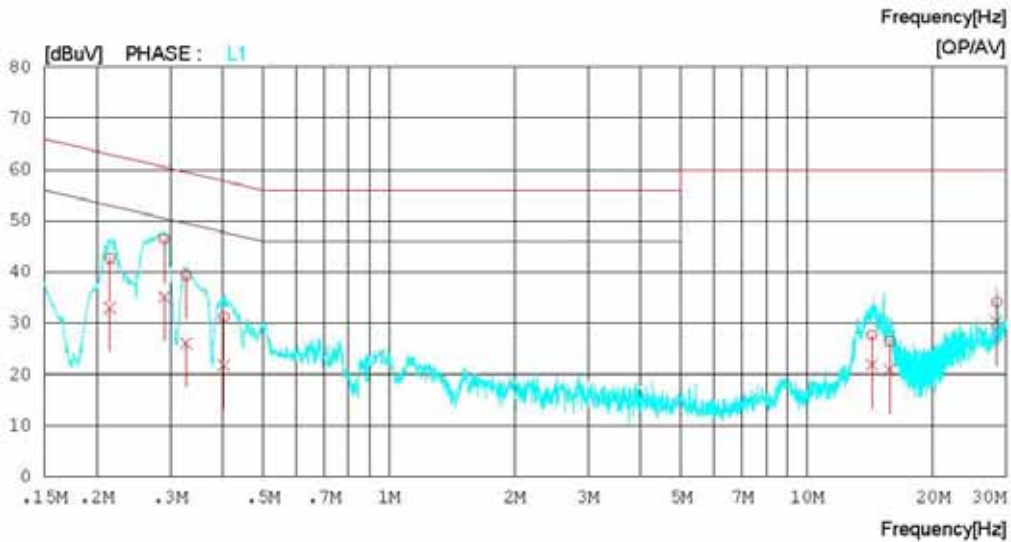
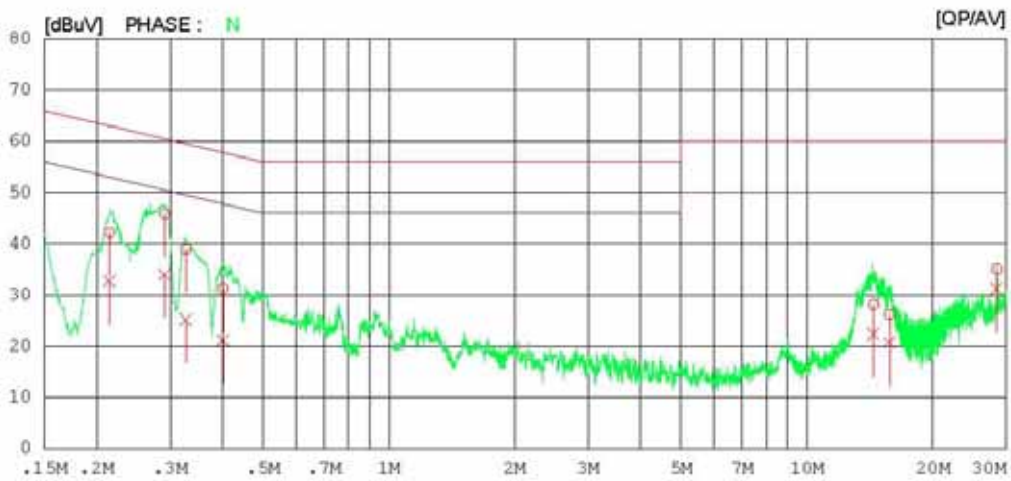
Results of Conducted Emission

Digital EMC
 Date : 2011-12-23

Model No. : 32LT560C-UA
 Type :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 34 % R.H.
 Operator :

Memo :
 LIMIT : CISPR22_B OP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2011-12-23

Model No. : 32LT560C-UA
 Type :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 34 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B QP
 CISPR22_B AV

NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.21456	42.1	32.6	0.1	42.2	32.7	63.0	53.0	20.8	20.3	N
2	0.29066	45.7	34.0	0.1	45.8	34.1	60.5	50.5	14.7	16.4	N
3	0.32704	38.9	25.1	0.1	39.0	25.2	59.5	49.5	20.5	24.3	N
4	0.40130	31.0	21.0	0.2	31.2	21.2	57.8	47.8	26.6	26.6	N
5	14.43500	27.3	21.5	0.9	28.2	22.4	60.0	50.0	31.8	27.6	N
6	15.77900	25.3	19.7	1.0	26.3	20.7	60.0	50.0	33.7	29.3	N
7	28.48450	34.0	30.1	1.1	35.1	31.2	60.0	50.0	24.9	18.8	N
8	0.21531	42.6	32.9	0.1	42.7	33.0	63.0	53.0	20.3	20.0	L1
9	0.29031	46.4	34.9	0.1	46.5	35.0	60.5	50.5	14.0	15.5	L1
10	0.32750	39.4	26.0	0.1	39.5	26.1	59.5	49.5	20.0	23.4	L1
11	0.40309	31.0	21.6	0.2	31.2	21.8	57.8	47.8	26.6	26.0	L1
12	14.32750	26.8	21.0	0.9	27.7	21.9	60.0	50.0	32.3	28.1	L1
13	15.79600	25.5	20.0	1.0	26.5	21.0	60.0	50.0	33.5	29.0	L1
14	28.48350	33.1	29.2	1.1	34.2	30.3	60.0	50.0	25.8	19.7	L1

6.2 Radiated Disturbance

6.2.1 Measurement Procedure

The radiated disturbance was measured and set-up was made accordance with **ANSI C63.4**.

If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8m above the reference ground plane and 3m away from the interference receiving antenna in the **10m semi-anechoic chamber**.

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15m above the reference ground plane.

Rotate the EUT from 0° to 360° and position the receiving antenna at heights from 1 to 4m above the reference ground plane continuously to determine associated with higher emission levels and record them.

The measurement was made in both the vertical and horizontal polarization, and the maximum value is presented in the report.

For below 1GHz frequency range, Quasi-Peak detector with 120kHz RBW was used.

Also Peak and Average detector with 1MHz RBW were used for above 1GHz frequency range.

For further description of the configuration refer to the picture of the test set-up.

6.2.2 Limit for Radiated Disturbance

- The test frequency range of Radiated Disturbance measurements are listed below.

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

(1) Limit for Radiated Emission below 1000MHz

Frequency range (MHz)	Class A Equipment (10m distance)	Class B Equipment (3m distance)
	Quasi-peak (dB μ V/m)	Quasi-peak (dB μ V/m)
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 1000	49.5	54

Note 1 The lower limit shall apply at the transition frequency.

Note 2 Additional provisions may be required for cases where interference occurs.

Note 3 According to 15.109(g), as an alternative to the radiated emission limit shown above, digital devices may be shown to comply with the standards(CISPR), Pub. 22 shown as below.

Frequency range (MHz)	Class A Equipment (10m distance)	Class B Equipment (10m distance)
	Quasi-peak (dB μ V/m)	Quasi-peak (dB μ V/m)
30 to 230	40	30
230 to 1000	47	37

(2) Limits for Radiated Emission above 1000MHz at a measuring distance of 3m

Frequency (GHz)	Class A Equipment		Class B Equipment	
	Peak (dB μ V/m)	Average (dB μ V/m)	Peak (dB μ V/m)	Average (dB μ V/m)
1 to 40	80	60	74	54

Test Result

< DSUB + LAN MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

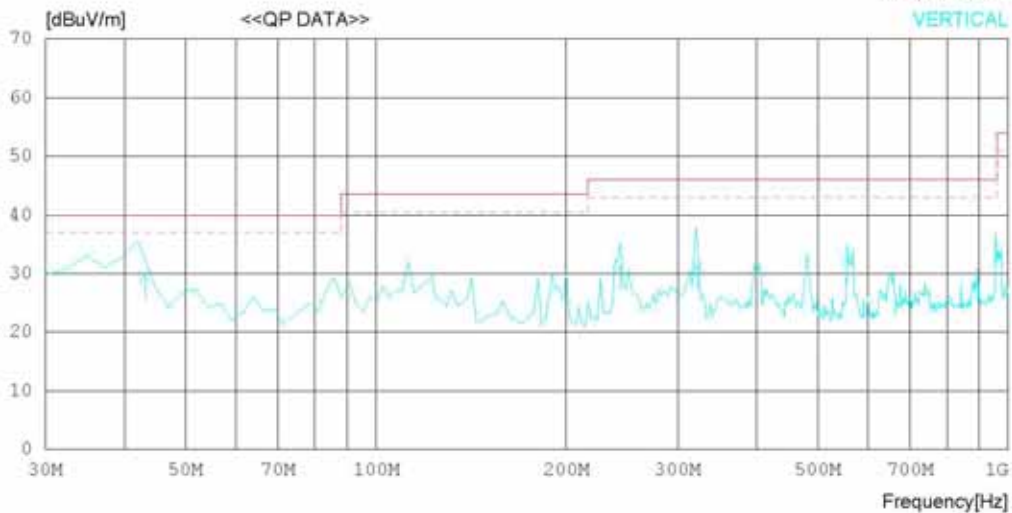
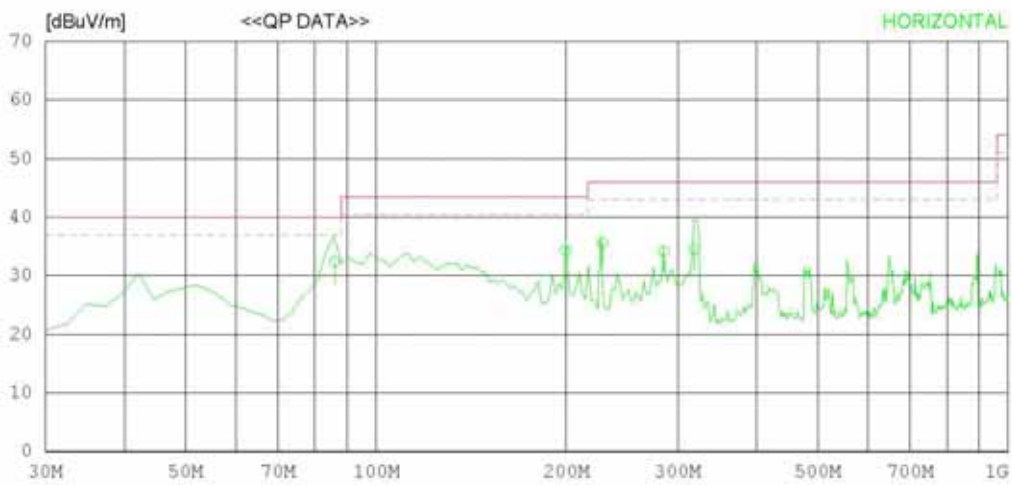
Date : 2011-12-27

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 19 °C 30 % R.H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m)
 MARGIN: 3 dB



RADIATED EMISSION

Date : 2011-12-27

Model Name : 32LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 19 °C 30 % R.H.
Test Condition : DSUB	Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m)
 MARGIN: 3 dB

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	85.975	45.3	8.3	1.4	22.6	32.4	40.0	7.6	211	358
2	199.500	45.9	9.7	2.0	23.2	34.4	43.5	9.1	151	359
3	228.000	45.2	11.6	2.2	23.4	35.6	46.0	10.4	201	358
4	285.005	41.9	13.6	2.5	23.8	34.2	46.0	11.8	100	34
5	318.575	41.6	14.2	2.7	24.0	34.5	46.0	11.5	100	305
----- Vertical -----										
6	43.098	37.0	14.1	1.0	22.6	29.5	40.0	10.5	400	43
7	243.120	39.5	12.6	2.3	23.5	30.9	46.0	15.1	195	78
8	322.415	38.1	14.3	2.7	24.0	31.1	46.0	14.9	100	358
9	556.350	34.7	18.3	3.6	24.5	32.1	46.0	13.9	100	48

< DSUB + LAN MODE_1 GHz ~ 6 GHz_PEAK >

RADIATED EMISSION

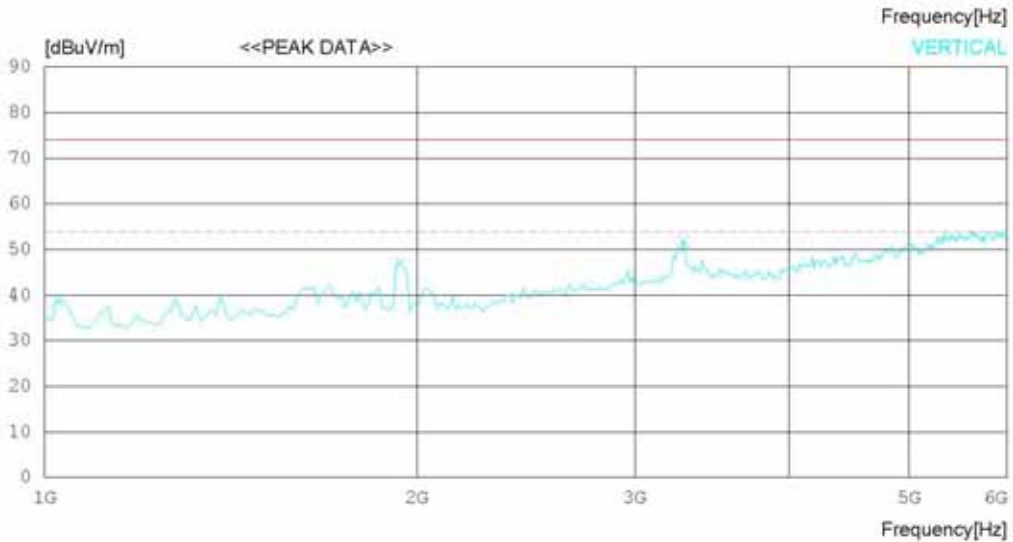
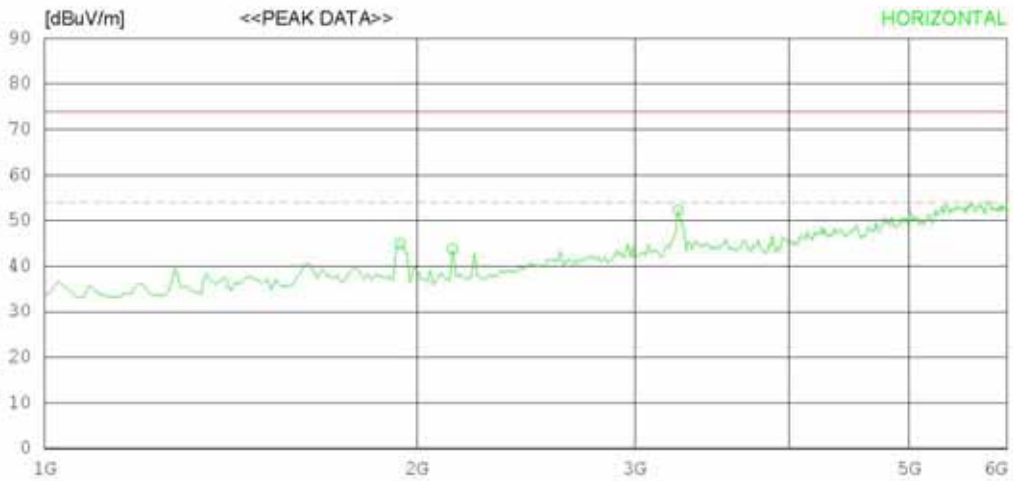
Date : 2011-12-30

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 23 C 37 % R. H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Peak)
 FCC Part15 Subpart B Class B (3m) - 18G(Avg)



RADIATED EMISSION

Date : 2011-12-30

Model Name	: 32LT560C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 23°C 37 % R. H.
Test Condition	: DSUB	Operator	:

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Peak)
 FCC Part15 Subpart B Class B (3m) - 18G(Avg)

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	1937.500	54.2	25.2	7.5	42.0	44.9	74.0	29.1	100	24
2	2137.500	52.1	25.8	7.8	42.0	43.7	74.0	30.3	100	358
3	3250.000	55.6	29.0	9.7	42.0	52.3	74.0	21.7	100	358
----- Vertical -----										
4	1025.000	51.6	23.7	5.3	41.8	38.8	74.0	35.2	100	1
5	1937.500	56.3	25.2	7.5	42.0	47.0	74.0	27	100	1
6	3287.500	55.2	29.0	9.7	42.0	51.9	74.0	22.1	100	1

< DSUB + LAN MODE_1 GHz ~ 6 GHz_AV >

RADIATED EMISSION

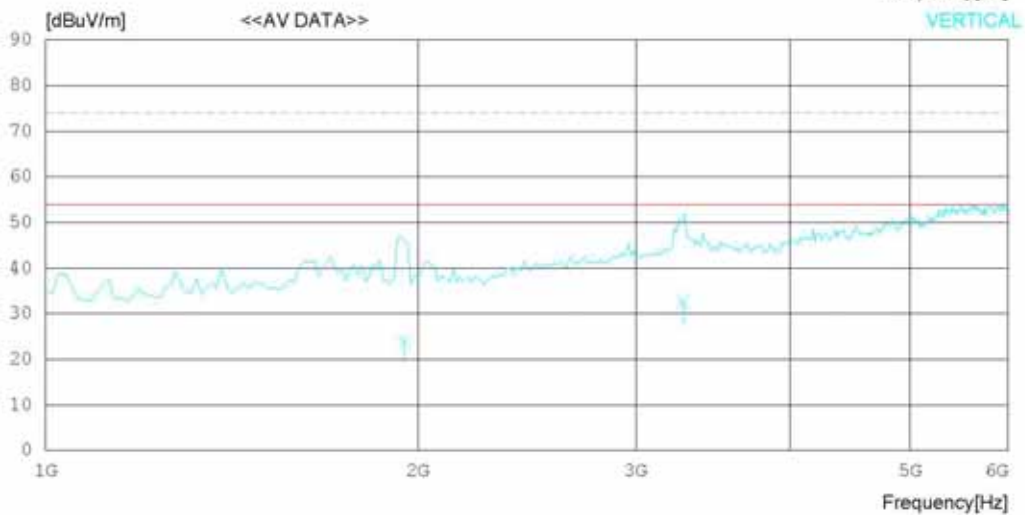
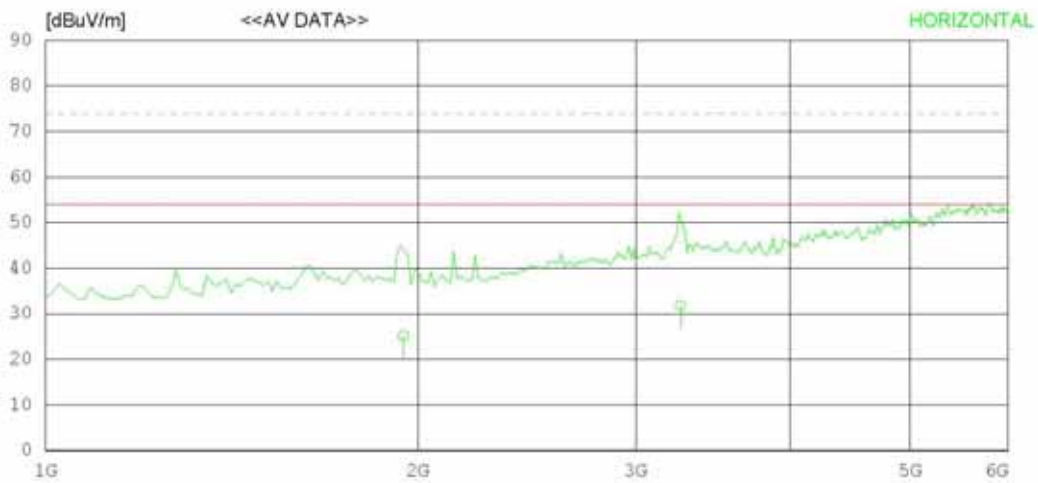
Date : 2011-12-30

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 23 C 37 % R. H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Avg)
 FCC Part15 Subpart B Class B (3m) - 18G(Peak)



RADIATED EMISSION

Date : 2011-12-30

Model Name	: 32LT560C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 23°C 37 % R. H.
Test Condition	: DSUB	Operator	:

Memo :

LIMIT : FCC Part15 Subpart.B Class B (3m) - 18G(Avg)
 FCC Part15 Subpart.B Class B (3m) - 18G(Peak)

No.	FREQ [MHz]	READING AV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	1947.000	34.5	25.2	7.5	42.0	25.2	54.0	28.8	100	24
2	3262.500	35.1	29.0	9.7	42.0	31.8	54.0	22.2	100	358
----- Vertical -----										
3	1949.202	33.3	25.2	7.5	42.0	24.0	54.0	30.0	100	1
4	3276.231	35.9	29.0	9.7	42.0	32.6	54.0	21.4	100	1

< HDMI + LAN MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

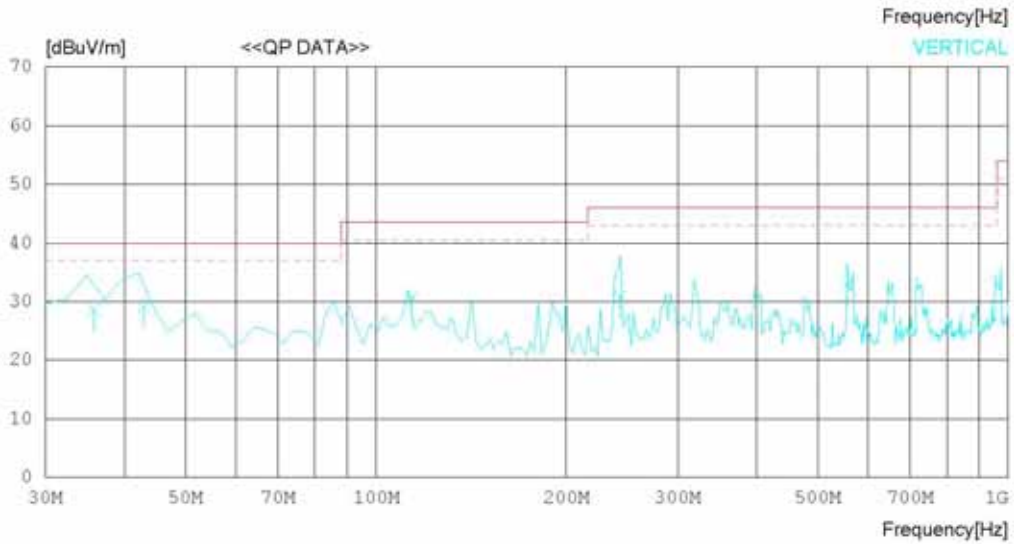
Date : 2011-12-27

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 19 °C 30 % R.H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m)
 MARGIN: 3 dB



RADIATED EMISSION

Date : 2011-12-27

Model Name : 32LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 19°C 30% R.H.
Test Condition : HDMI	Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m)
 MARGIN: 3 dB

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	37.275	32.0	15.4	0.9	22.6	25.7	40.0	14.3	100	142
2	42.125	34.5	14.0	1.0	22.6	26.9	40.0	13.1	400	1
3	85.775	45.9	8.2	1.4	22.6	32.9	40.0	7.1	400	221
4	98.750	38.4	10.5	1.5	22.7	27.7	43.5	15.8	165	358
5	199.505	46.0	9.7	2.0	23.2	34.5	43.5	9.0	100	1
6	285.000	41.2	13.6	2.5	23.8	33.5	46.0	12.5	100	25
7	323.425	36.4	14.3	2.7	24.0	29.4	46.0	16.6	100	319
8	653.223	30.9	18.8	4.0	24.2	29.5	46.0	16.5	100	324
----- Vertical -----										
9	35.700	34.0	16.3	0.9	22.6	26.6	40.0	11.4	154	275
10	42.900	36.6	14.1	1.0	22.6	29.1	40.0	10.9	100	77
11	113.995	40.7	11.3	1.5	22.8	30.7	43.5	12.8	100	14
12	243.100	39.4	12.6	2.3	23.5	30.8	46.0	15.2	196	52
13	556.384	35.5	18.3	3.6	24.5	32.9	46.0	13.1	100	72

< HDMI + LAN MODE_1 GHz ~ 6 GHz_PEAK >

RADIATED EMISSION

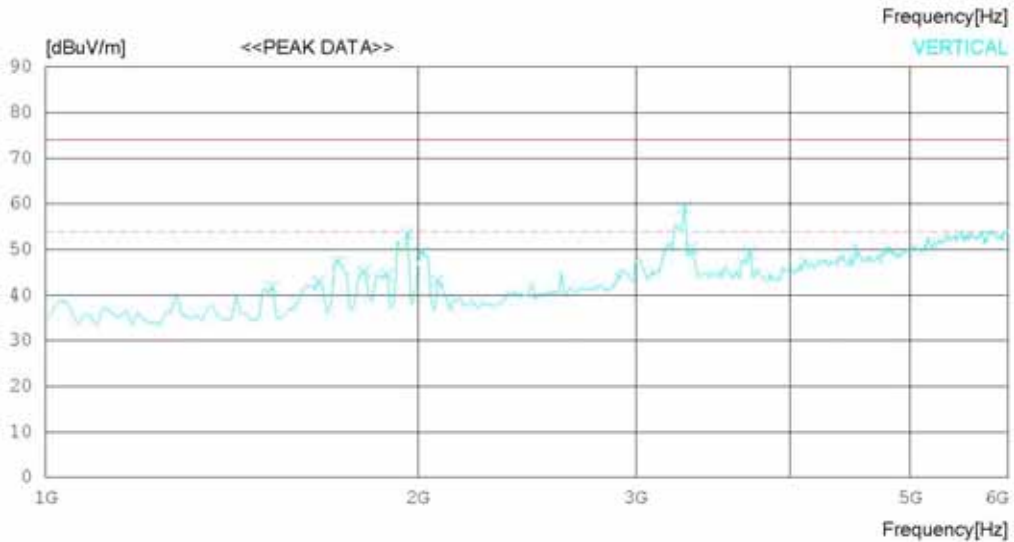
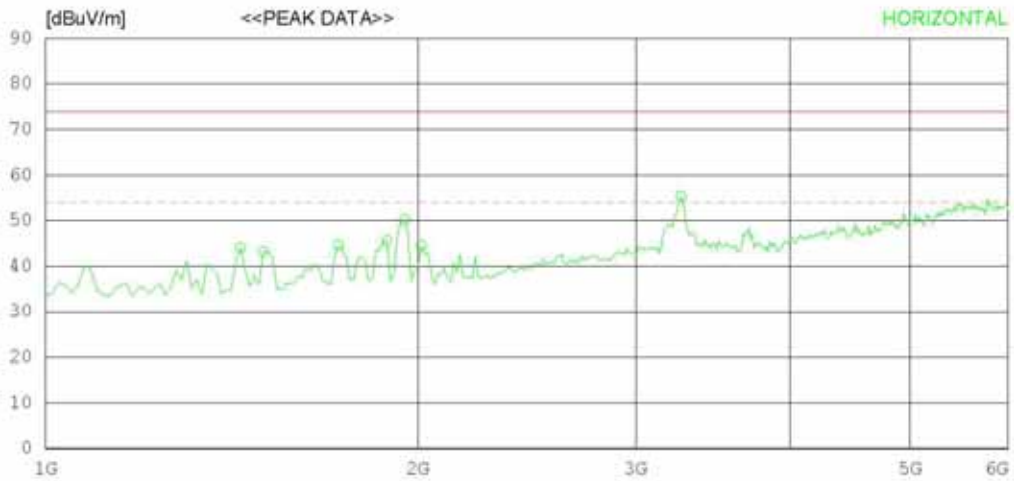
Date : 2011-12-30

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 23 C 37 % R. H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Peak)
 FCC Part15 Subpart B Class B (3m) - 18G(Avg)



RADIATED EMISSION

Date : 2011-12-30

Model Name : 32LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 23°C 37 % R. H.
Test Condition : HDMI	Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Peak)
 FCC Part15 Subpart B Class B (3m) - 18G(Avg)

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	1437.500	54.8	25.0	6.2	41.9	44.1	74.0	29.9	100	1
2	1500.000	53.7	25.1	6.3	41.9	43.2	74.0	30.8	100	12
3	1725.000	54.4	25.2	6.9	41.9	44.6	74.0	29.4	100	1
4	1887.500	55.0	25.2	7.4	42.0	45.6	74.0	28.4	100	1
5	1950.000	59.5	25.2	7.5	42.0	50.2	74.0	23.8	100	1
6	2012.500	53.5	25.3	7.7	42.0	44.5	74.0	29.5	100	1
7	3262.500	58.6	29.0	9.7	42.0	55.3	74.0	18.7	100	18
----- Vertical -----										
8	1525.000	52.0	25.1	6.4	41.9	41.6	74.0	32.4	100	358
9	1662.500	52.9	25.2	6.8	41.9	43.0	74.0	31	100	36
10	1725.000	57.3	25.2	6.9	41.9	47.5	74.0	26.5	100	28
11	1812.500	54.8	25.2	7.2	42.0	45.2	74.0	28.8	100	358
12	1887.500	53.9	25.2	7.4	42.0	44.5	74.0	29.5	100	36
13	1962.500	62.6	25.2	7.6	42.0	53.4	74.0	20.6	100	36
14	2012.500	58.3	25.3	7.7	42.0	49.3	74.0	24.7	100	358
15	2075.000	51.8	25.5	7.8	42.0	43.1	74.0	30.9	100	30
16	3287.500	62.5	29.0	9.7	42.0	59.2	74.0	14.8	100	358
17	3325.000	53.5	29.0	9.8	42.0	50.3	74.0	23.7	100	31
18	3712.500	51.2	29.6	10.4	41.9	49.3	74.0	24.7	100	24

< HDMI + LAN MODE_1 GHz ~ 6 GHz_AV >

RADIATED EMISSION

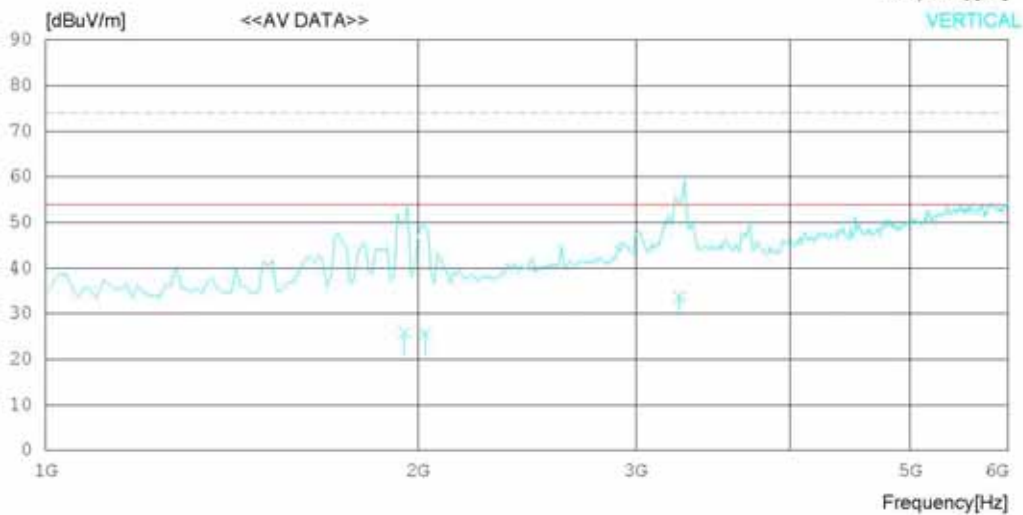
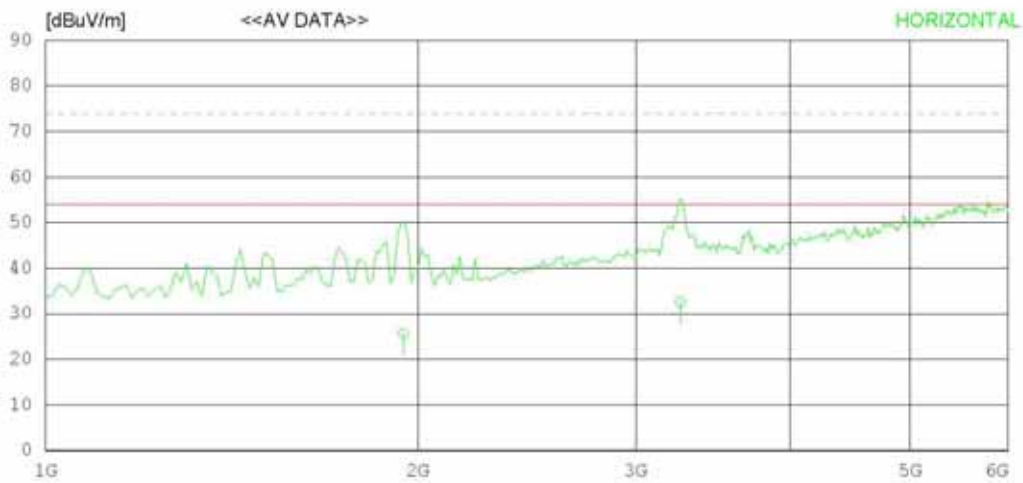
Date : 2011-12-30

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 23 C 37 % R. H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Avg)
 FCC Part15 Subpart B Class B (3m) - 18G(Peak)



RADIATED EMISSION

Date : 2011-12-30

Model Name	: 32LT560C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 23°C 37 % R. H.
Test Condition	: HDMI	Operator	:

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Avg)
 FCC Part15 Subpart B Class B (3m) - 18G(Peak)

No.	FREQ [MHz]	READING AV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	1945.850	35.0	25.2	7.5	42.0	25.7	54.0	28.3	100	1
2	3261.250	35.9	29.0	9.7	42.0	32.6	54.0	21.4	100	18
----- Vertical -----										
3	1949.500	35.1	25.2	7.5	42.0	25.8	54.0	28.2	100	36
4	2026.125	34.7	25.3	7.7	42.0	25.7	54.0	28.3	100	358
5	3253.500	37.0	29.0	9.7	42.0	33.7	54.0	20.3	100	358

< USB MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

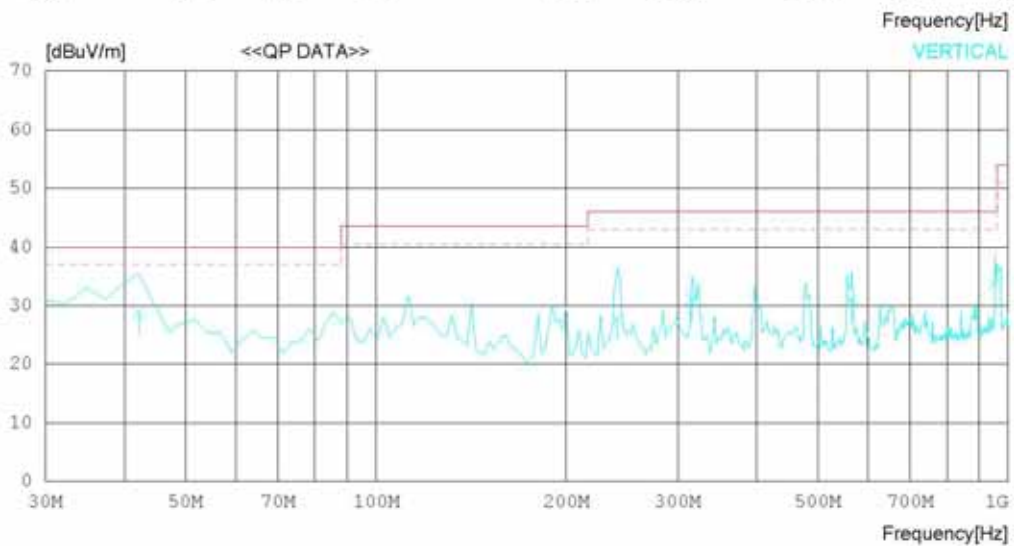
Date : 2011-12-27

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 19 °C 30 % R.H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m)
 MARGIN: 3 dB



RADIATED EMISSION

Date : 2011-12-27

Model Name : 32LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 19 °C 30 % R.H.
Test Condition : USB	Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m)
MARGIN: 3 dB

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	42.125	32.1	14.0	1.0	22.6	24.5	40.0	15.5	400	358
2	86.000	46.6	8.3	1.4	22.6	33.7	40.0	6.3	227	358
3	98.659	39.1	10.5	1.5	22.7	28.4	43.5	15.1	201	358
4	199.750	46.1	9.7	2.0	23.2	34.6	43.5	8.9	100	1
5	227.995	44.0	11.6	2.2	23.4	34.4	46.0	11.6	201	22
6	317.525	44.0	14.2	2.6	23.9	36.9	46.0	9.1	100	6
----- Vertical -----										
7	42.125	36.4	14.0	1.0	22.6	28.8	40.0	11.2	400	1
8	240.975	36.6	12.4	2.3	23.5	27.8	46.0	18.2	211	64
9	316.150	38.2	14.2	2.6	23.9	31.1	46.0	14.9	100	358
10	565.924	33.4	18.4	3.7	24.5	31.0	46.0	15.0	100	358
11	952.300	30.9	21.0	4.9	23.0	33.8	46.0	12.2	100	24

< USB MODE_1 GHz ~ 6 GHz_PEAK >

RADIATED EMISSION

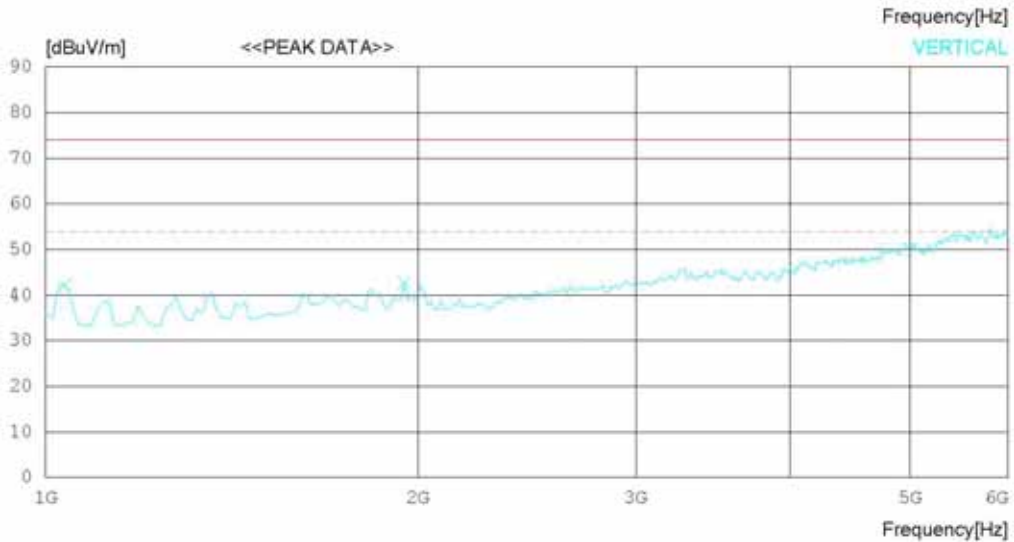
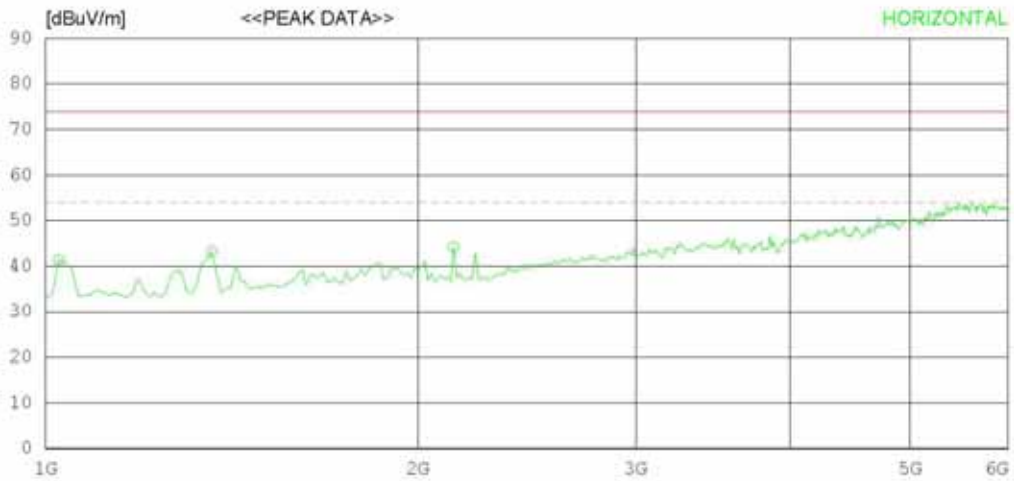
Date : 2011-12-30

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 23 C 37 % R. H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Peak)
 FCC Part15 Subpart B Class B (3m) - 18G(Avg)



RADIATED EMISSION

Date : 2011-12-30

Model Name	: 32LT560C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 23°C 37 % R. H.
Test Condition	: USB	Operator	:

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Peak)
 FCC Part15 Subpart B Class B (3m) - 18G(Avg)

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	1025.000	54.1	23.7	5.3	41.8	41.3	74.0	32.7	100	351
2	1362.500	54.4	24.7	6.0	41.9	43.2	74.0	30.8	100	358
3	2137.500	52.6	25.8	7.8	42.0	44.2	74.0	29.8	100	50
----- Vertical -----										
4	1037.500	54.9	23.7	5.3	41.8	42.1	74.0	31.9	100	32
5	1950.000	51.9	25.2	7.5	42.0	42.6	74.0	31.4	100	1

< USB MODE_1 GHz ~ 6 GHz_AV >

RADIATED EMISSION

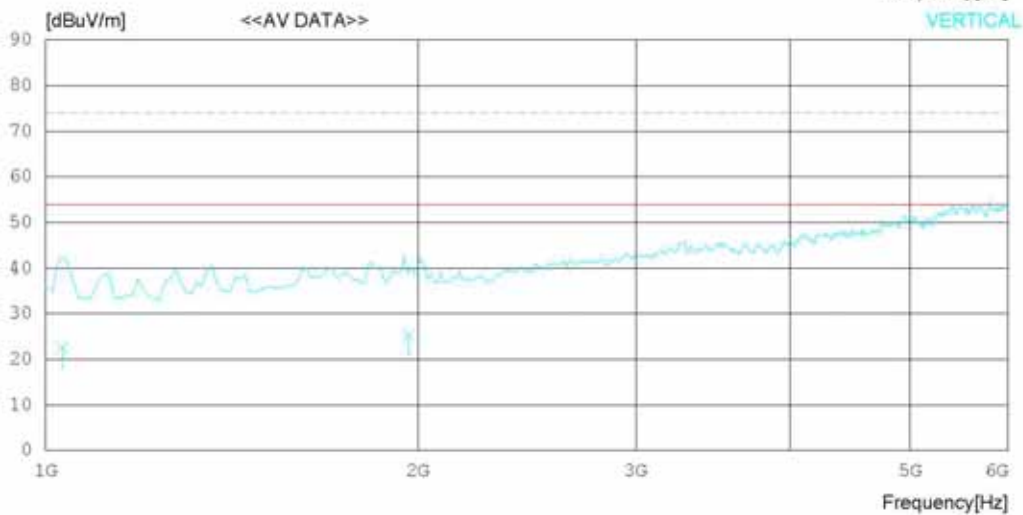
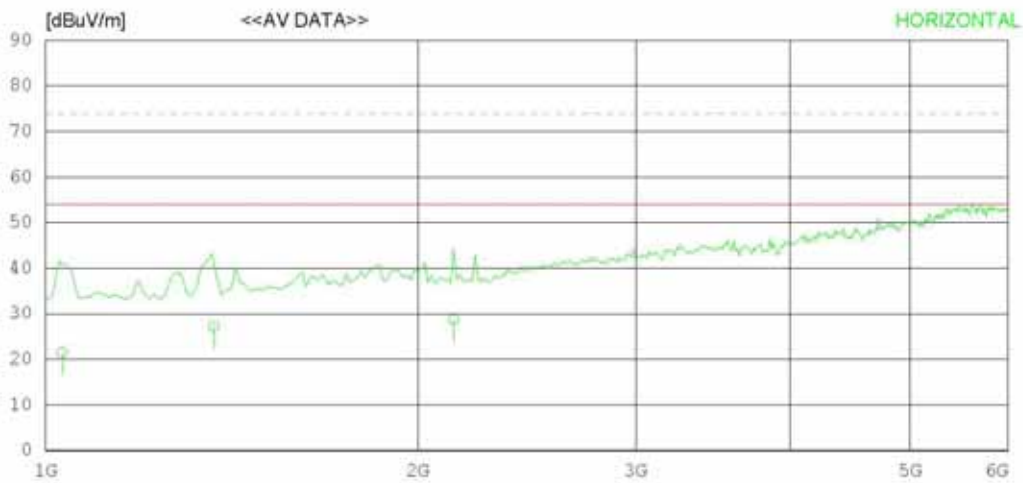
Date : 2011-12-30

Model Name : 32LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 23 C 37 % R. H.
 Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Avg)
 FCC Part15 Subpart B Class B (3m) - 18G(Peak)



RADIATED EMISSION

Date : 2011-12-30

Model Name	: 32LT560C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 23°C 37 % R. H.
Test Condition	: USB	Operator	:

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m) - 18G(Avg)
 FCC Part15 Subpart B Class B (3m) - 18G(Peak)

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	FACTOR	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	1031.625	34.3	23.7	5.3	41.8	21.5	54.0	32.5	100	351
2	1368.022	38.4	24.7	6.0	41.9	27.2	54.0	26.8	100	358
3	2137.625	37.1	25.8	7.8	42.0	28.7	54.0	25.3	100	50
----- Vertical -----										
4	1031.625	35.4	23.7	5.3	41.8	22.6	54.0	31.4	100	32
5	1966.625	34.5	25.2	7.6	42.0	25.3	54.0	28.7	100	1

Appendix 1

List of Test and Measurement Instruments

1. Conducted Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
<input type="checkbox"/> SPECTRUM ANALYZER	8591E	H/P	3649A05889	2011.03.07	2012.03.07
<input type="checkbox"/> RFI/FIELD INTENSITY METER	KNM-2402	KYORITSU	4N-170-3	2011.07.02	2012.07.02
<input type="checkbox"/> LISN	KNW-407	KYORITSU	8-317-8	2011.01.11	2012.01.11
<input type="checkbox"/> LISN	KNW-242	KYORITSU	8-654-15	2011.07.01	2012.07.01
<input type="checkbox"/> 50 OHM TERMINATOR	CT-01	TME	N/A	2011.01.11	2012.01.11
<input checked="" type="checkbox"/> EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2011.03.08	2012.03.08
<input checked="" type="checkbox"/> LISN	ESH2-Z5	ROHDE & SCHWARZ	828739/006	2011.09.30	2012.09.30
<input checked="" type="checkbox"/> LISN	LISN1600	TTI	197204	2011.07.02	2012.07.02
<input checked="" type="checkbox"/> 50 OHM TERMINATOR	CT-01	TME	N/A	2011.01.11	2012.01.11

2. Radiated Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
<input checked="" type="checkbox"/> EMI TEST RECEIVER	ESU	ROHDE & SCHWARZ	100014	2011.01.20	2012.01.20
<input checked="" type="checkbox"/> BILOG ANTENNA	CBL6112B	SCHAFFNER	2737	2010.07.14	2012.07.14
<input checked="" type="checkbox"/> HORN ANTENNA	BBHA9120A	SCHWARZBECK	322	2010.04.13	2012.04.13
<input checked="" type="checkbox"/> AMPLIFIER	8447E	H/P	2945A02865	2011.01.11	2012.01.11
<input checked="" type="checkbox"/> AMPLIFIER	MLA-00108-B02-36	TSJ	1518831	2011.01.11	2012.01.11
<input type="checkbox"/> SPECTRUM ANALYZER	E4411B	AGILENT	US41062735	2011.07.01	2012.07.01
<input type="checkbox"/> AMPLIFIER	8447D	AGILENT	2443A03690	2011.07.01	2012.07.01
<input type="checkbox"/> BILOG ANTENNA	VULB9160	SCHAFFNER	3151	2010.08.25	2012.08.25
<input type="checkbox"/> EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2011.03.08	2012.03.08
<input type="checkbox"/> BICONICAL ANT.	VHA 9103	SCHWARZBECK	91032789	2010.11.29	2012.11.29
<input type="checkbox"/> LOG-PERIODIC ANT.	UHALP 9108A	SCHWARZBECK	590	2010.07.07	2012.07.07
<input type="checkbox"/> BICONICAL ANT.	VHA 9103	SCHWARZBECK	91031946	2010.12.21	2012.12.21
<input type="checkbox"/> LOG-PERIODIC ANT.	UHALP 9108-A1	SCHWARZBECK	1098	2010.11.29	2012.11.29
<input type="checkbox"/> AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2011.03.07	2012.03.07