

EMC TEST REPORT

Test item : LED LCD TV Monitor
Model No. : 26LT670H-UA
Order No. : 1204-00238
Date of receipt : 2012-04-03
Test duration : 2012-04-16 ~ 2012-04-19
Use of report : FCC CoC Marking
Date of Issue : 2012-04-20

Applicant : LG Electronics Inc.

19-1, 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 : (22 ~ 23) °C,
Humidity : (35 ~ 40) % 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.

This test report shall not be reproduced except in full, without the written approval of DIGITAL EMC CO., LTD.

Tested by:

Reviewed by:



Engineer
H.J.KIM



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.digitalemcc.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	ROK1124C	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.	26LT670H-UA
EUT Type	LED LCD TV Monitor
Serial No	N/A
FCC ID	BEJ26LT670HUA
Type of Sample Tested	Pre-Production
High Frequency	667 MHz
Rating	DC24V, 1.8A
Supplied Power for Test	AC120 V, 60 Hz
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)
640x350	31.46	70.09
720x400	31.46	70.08
640x480	31.46	59.94
800x600	37.87	60.31
1024x768	48.36	60.00
1280x768	47.77	59.87
1360x768	47.71	60.01
1280x1024	63.98	60.02
1600x1200	75.00	60.00
1920x1080 RGB-PC	66.58	59.93
1920x1080 HDMI-PC	67.50	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 (°C)	Humidity (% R.H.)	Pressure (hPa)
Conducted Disturbance	04-16	22	38	-
Radiated Disturbance	04-18	23	40	
	04-19	22	35	

4.3 Test result Summary

(1) Conducted Emission (HDMI MODE)

Frequency [MHz]	Phase	Result [dB μ V]	Detector	Limit [dB μ V]	Margin [dB]
4.98350	N	28.7	Average	46.0	17.3

(2) Radiated Emission (USB MODE)

Frequency [MHz]	Pol.	Result [dB(μ V/m)]	Detector	Limit [dB(μ V/m)]	Margin [dB]
6000.000	V	51.1	Average	54.0	2.9

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 MODE – Resolution : 1360 x 768 Resolution (Worst Case)
- HDMI MODE – Resolution : 1360 x 768 Resolution (Worst Case)
- USB MODE

5.3 Support Equipment Used

Unit	Model No.	Serial No.	Manufacturer	CABLE				Backshell	FCC ID
				Connect type	Length (m)	ferrite core	shield		
PC	DCSCMF	G3RZKBX	DELL	POWER HDMI DSUB USB USB	1.8 1.8 1.8 1.8 1.8	Not use Not use Not use Not use Not use	Non-shield Shield Shield Shield Shield	Plastic	DOC
KEYBOARD	SKG-3000UB	TAKSB24503Y	MONITEREY INTERNATIONAL CORP	USB	1.8	Not use	Shield	Plastic	DOC
MOUSE	SML-510PB	TAKS903519Z	MONITEREY INTERNATIONAL CORP	USB	1.8	Not use	Shield	Plastic	DOC
CD/DVD PLAYER	DVP-NS92V	2000407	SONY EMCS	POWER AV	1.8 1.6	Not use	Non-shield Non-shield	Plastic	VER
USB MEMORY	JEWERLY	N/A	AXXEN	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(μV)			
	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 MODE >



Results of Conducted Emission

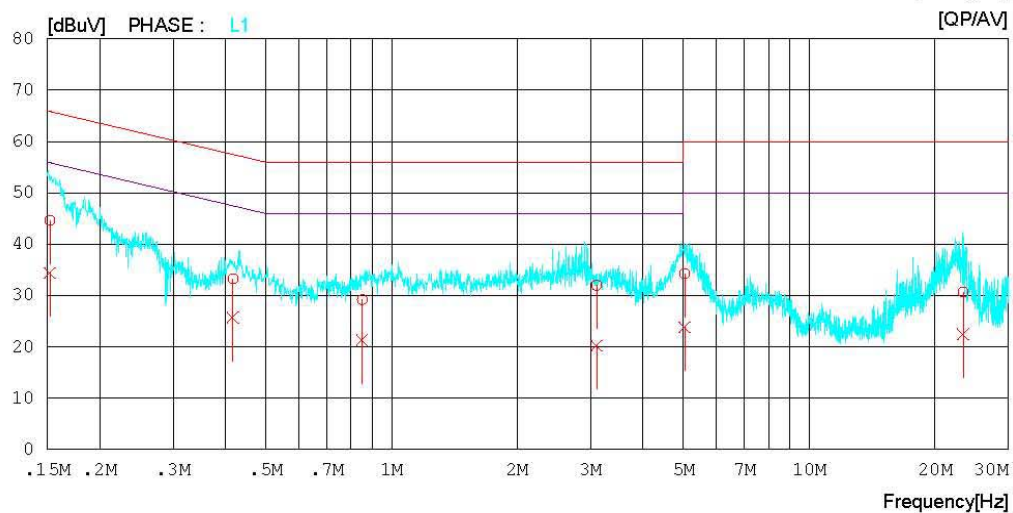
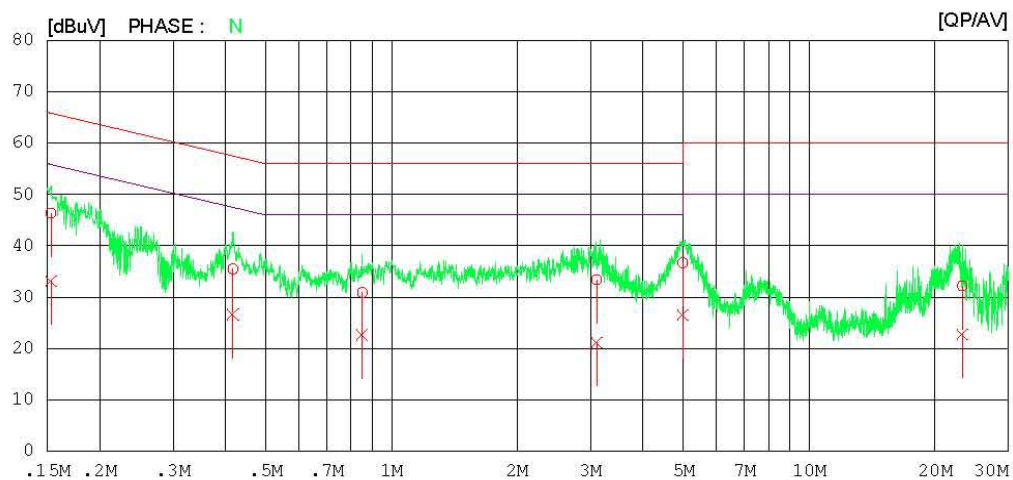
Digital EMC
Date : 2012-04-16

Model No. : 26LT670H-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22 °C 38 % R.H
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2012-04-16

Model No. : 26LT670H-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22 °C 38 % 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	0.15316	46.0	32.8	0.3	46.3	33.1	65.8	55.8	19.5	22.7	N
2	0.41730	35.2	26.3	0.3	35.5	26.6	57.5	47.5	22.0	20.9	N
3	0.85144	30.6	22.3	0.3	30.9	22.6	56.0	46.0	25.1	23.4	N
4	3.09800	33.0	20.8	0.4	33.4	21.2	56.0	46.0	22.6	24.8	N
5	4.98150	36.3	26.1	0.4	36.7	26.5	56.0	46.0	19.3	19.5	N
6	23.27000	31.0	21.5	1.2	32.2	22.7	60.0	50.0	27.8	27.3	N
7	0.15225	44.3	34.1	0.3	44.6	34.4	65.9	55.9	21.3	21.5	L1
8	0.41719	33.0	25.4	0.3	33.3	25.7	57.5	47.5	24.2	21.8	L1
9	0.85075	28.9	21.1	0.3	29.2	21.4	56.0	46.0	26.8	24.6	L1
10	3.09700	31.6	19.8	0.4	32.0	20.2	56.0	46.0	24.0	25.8	L1
11	5.03500	33.9	23.5	0.4	34.3	23.9	60.0	50.0	25.7	26.1	L1
12	23.36850	29.5	21.3	1.2	30.7	22.5	60.0	50.0	29.3	27.5	L1

< HDMI MODE >



Results of Conducted Emission

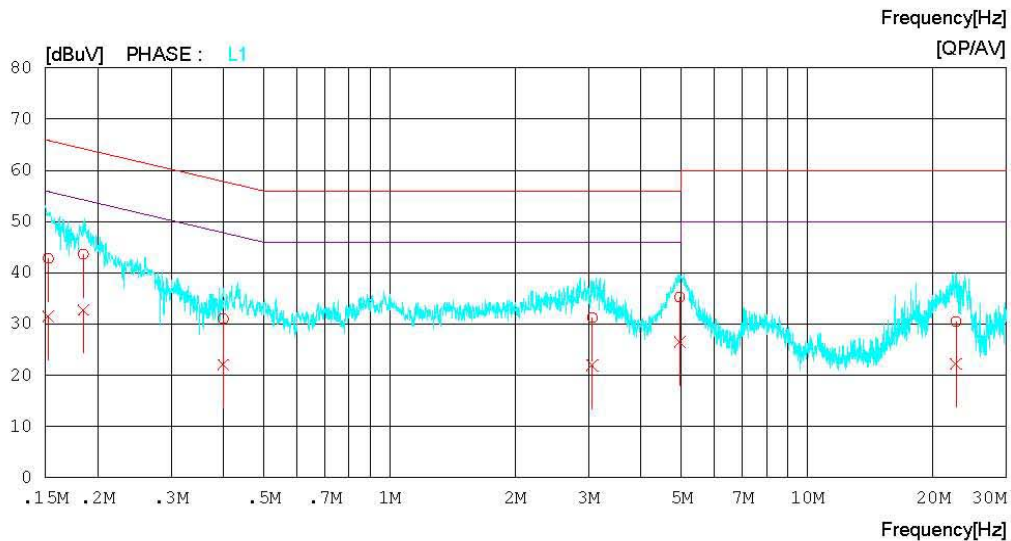
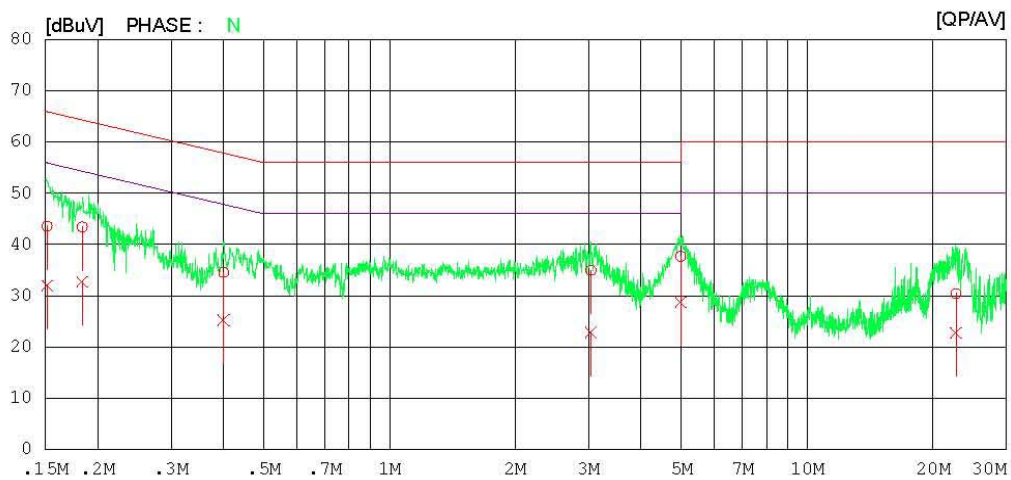
Digital EMC
Date : 2012-04-16

Model No. : 26LT670H-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22°C 38 % R.H
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2012-04-16

Model No. : 26LT670H-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22 °C 38 % 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	0.15155	43.3	31.6	0.3	43.6	31.9	65.9	55.9	22.3	24.0	N
2	0.18391	43.2	32.5	0.2	43.4	32.7	64.3	54.3	20.9	21.6	N
3	0.40065	34.2	24.9	0.3	34.5	25.2	57.8	47.8	23.3	22.6	N
4	3.03550	34.5	22.4	0.4	34.9	22.8	56.0	46.0	21.1	23.2	N
5	4.98350	37.3	28.3	0.4	37.7	28.7	56.0	46.0	18.3	17.3	N
6	22.70450	29.2	21.5	1.2	30.4	22.7	60.0	50.0	29.6	27.3	N
7	0.15243	42.5	31.2	0.3	42.8	31.5	65.9	55.9	23.1	24.4	L1
8	0.18508	43.4	32.6	0.2	43.6	32.8	64.3	54.3	20.7	21.5	L1
9	0.40025	30.8	21.8	0.3	31.1	22.1	57.8	47.8	26.7	25.7	L1
10	3.06000	30.9	21.5	0.4	31.3	21.9	56.0	46.0	24.7	24.1	L1
11	4.95650	34.9	26.2	0.4	35.3	26.6	56.0	46.0	20.7	19.4	L1
12	22.72250	29.3	21.1	1.2	30.5	22.3	60.0	50.0	29.5	27.7	L1

< USB MODE >



Results of Conducted Emission

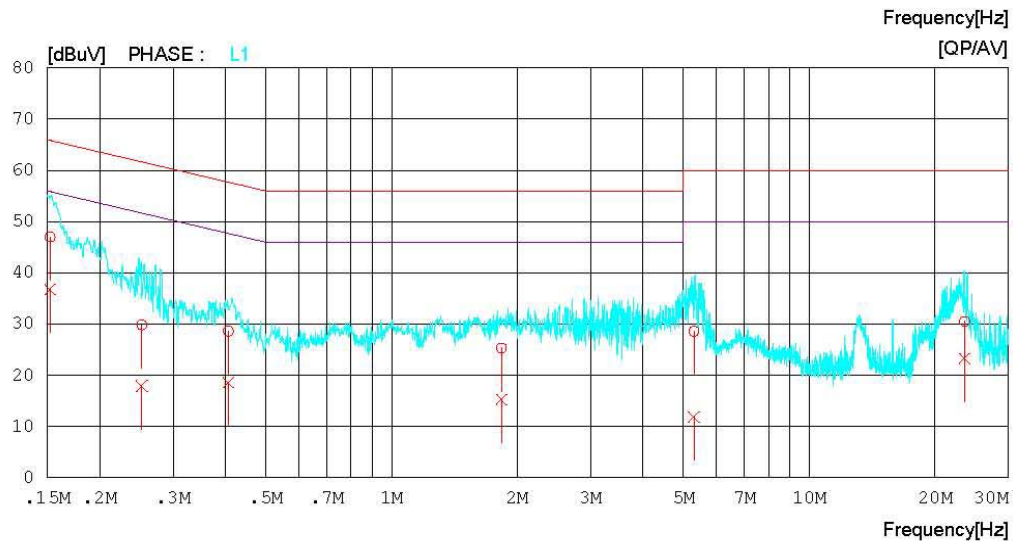
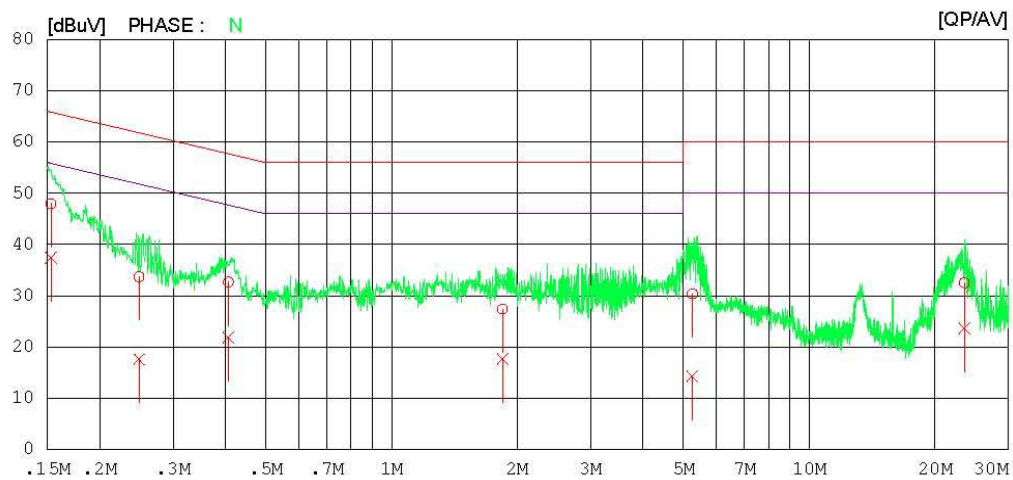
Digital EMC
Date : 2012-04-16

Model No. : 26LT670H-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22°C 38 % R.H
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2012-04-16

Model No. : 26LT670H-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22 °C 38 % 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	0.15308	47.7	37.1	0.3	48.0	37.4	65.8	55.8	17.8	18.4	N
2	0.24885	33.5	17.4	0.2	33.7	17.6	61.8	51.8	28.1	34.2	N
3	0.40680	32.3	21.5	0.3	32.6	21.8	57.7	47.7	25.1	25.9	N
4	1.84450	27.0	17.3	0.3	27.3	17.6	56.0	46.0	28.7	28.4	N
5	5.25300	30.0	13.9	0.4	30.4	14.3	60.0	50.0	29.6	35.7	N
6	23.53550	31.3	22.5	1.2	32.5	23.7	60.0	50.0	27.5	26.3	N
7	0.15236	46.7	36.4	0.3	47.0	36.7	65.9	55.9	18.9	19.2	L1
8	0.25263	29.6	17.7	0.2	29.8	17.9	61.7	51.7	31.9	33.8	L1
9	0.40691	28.3	18.3	0.3	28.6	18.6	57.7	47.7	29.1	29.1	L1
10	1.83500	25.0	15.0	0.3	25.3	15.3	56.0	46.0	30.7	30.7	L1
11	5.29850	28.2	11.5	0.4	28.6	11.9	60.0	50.0	31.4	38.1	L1
12	23.55650	29.3	22.1	1.2	30.5	23.3	60.0	50.0	29.5	26.7	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 MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

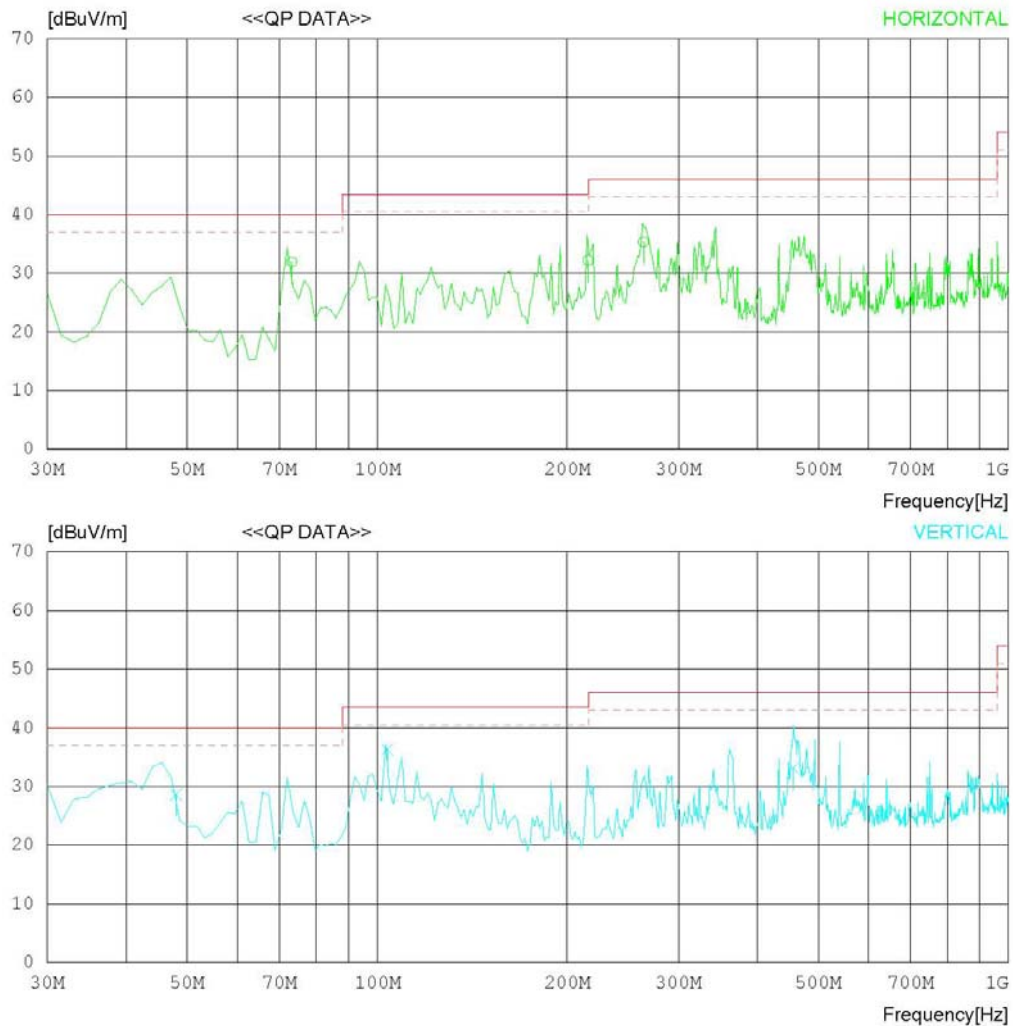
Date : 2012-04-18

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 23 °C 40 % R.H
Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-04-18

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 23 °C 40 % R.H
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	73.237	46.8	6.6	1.3	22.8	31.9	40.0	8.1	400	358
2	215.698	42.8	10.7	2.1	23.4	32.2	43.5	11.3	100	1
3	264.022	43.3	13.3	2.4	23.7	35.3	46.0	10.7	100	1
----- Vertical -----										
4	48.004	39.1	11.3	1.0	22.8	28.6	40.0	11.4	100	31
5	103.815	46.7	10.9	1.5	22.8	36.3	43.5	7.2	100	358
6	455.962	37.8	16.9	3.2	24.7	33.2	46.0	12.8	100	207

< DSUB MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

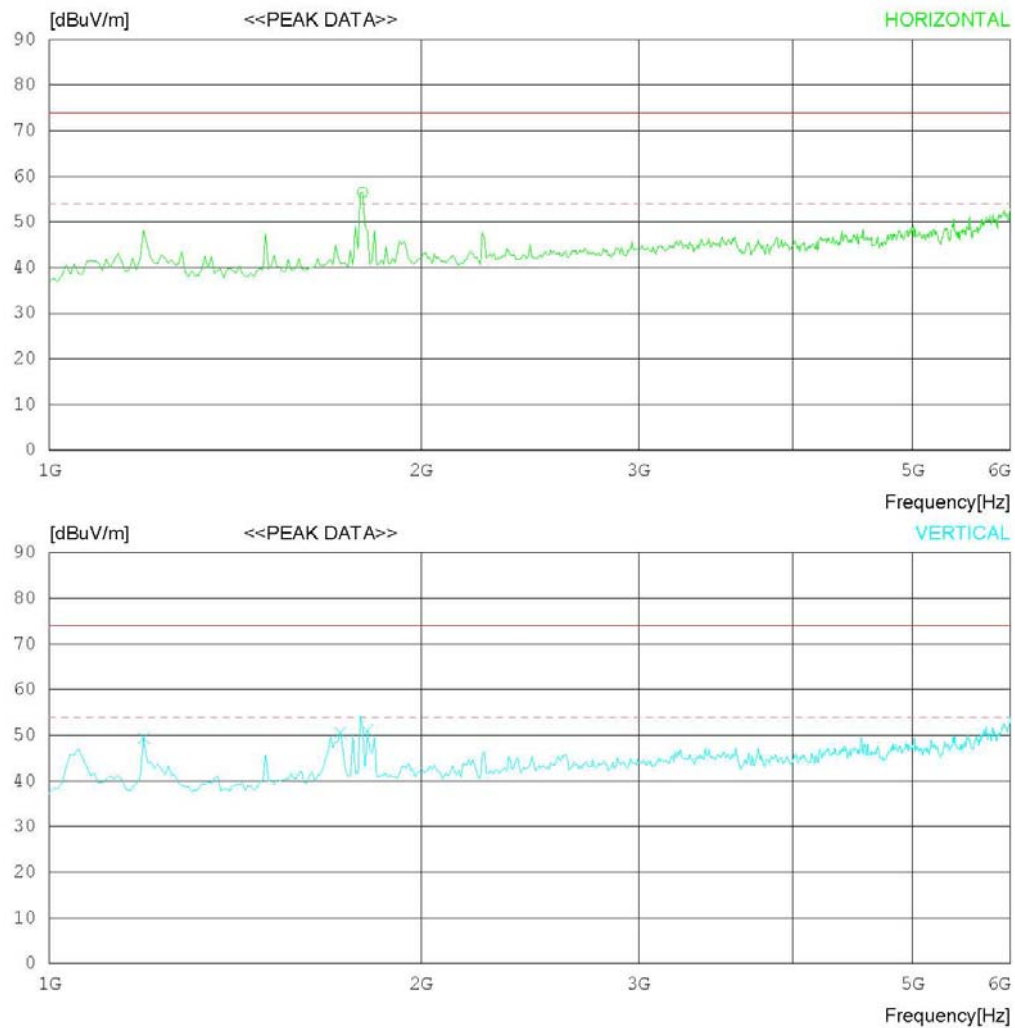
Date : 2012-04-19

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 35 % 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 : 2012-04-19

Model Name : 26LT670H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 35 % 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	1793.269	66.3	27.2	5.0	42.0	56.5	74.0	17.5	100	91
----- Vertical -----										
2	1192.308	62.1	25.0	4.1	41.8	49.4	74.0	24.6	100	358
3	1721.154	60.7	26.9	4.9	41.9	50.6	74.0	23.4	100	171
4	1809.295	60.6	27.3	5.1	42.0	51.0	74.0	23	100	358

< DSUB MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

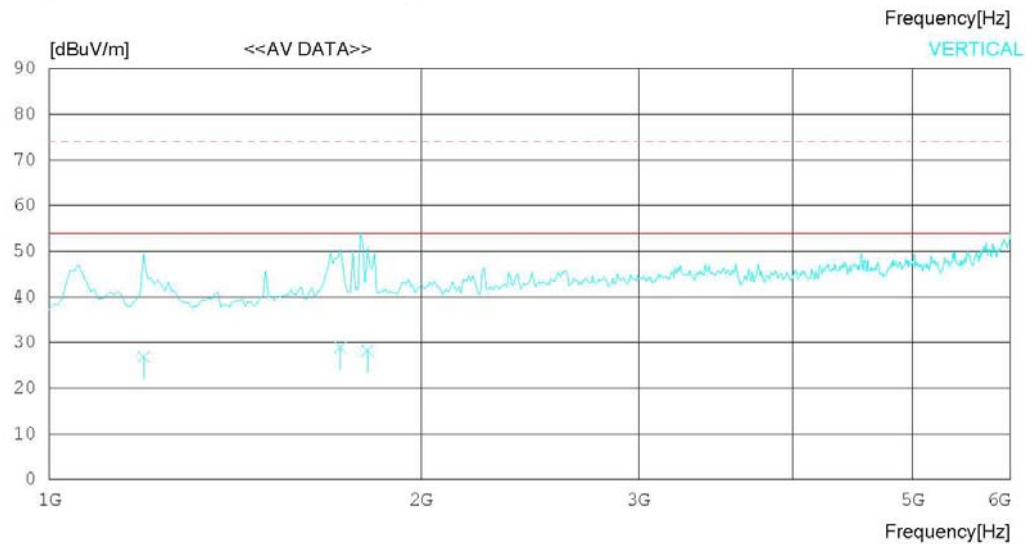
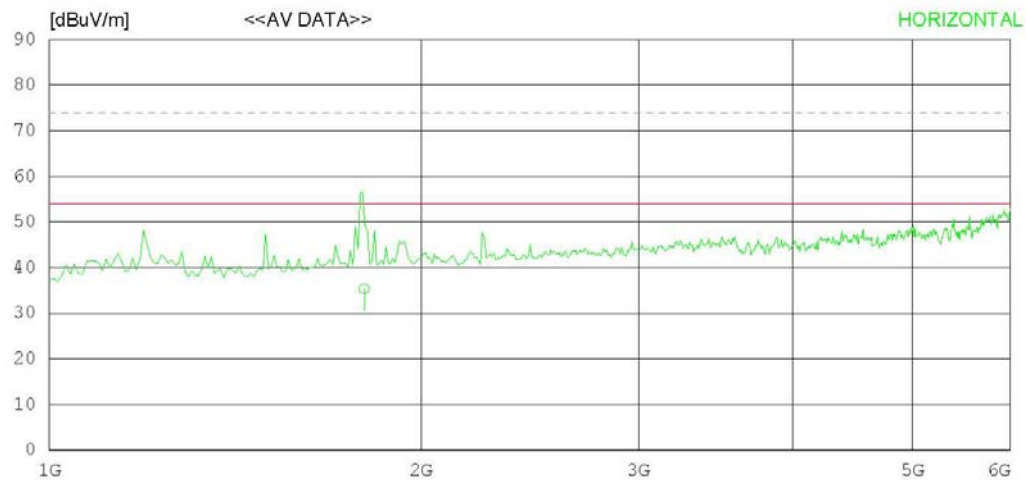
Date : 2012-04-19

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 35 % 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 : 2012-04-19

Model Name : 26LT670H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 35 % 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	1798.544	45.2	27.2	5.0	42.0	35.4	54.0	18.6	100	91
----- Vertical -----										
2	1192.308	39.6	25.0	4.1	41.8	26.9	54.0	27.1	100	358
3	1721.154	39.0	26.9	4.9	41.9	28.9	54.0	25.1	100	171
4	1810.711	37.8	27.3	5.1	42.0	28.2	54.0	25.8	100	358

< HDMI MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

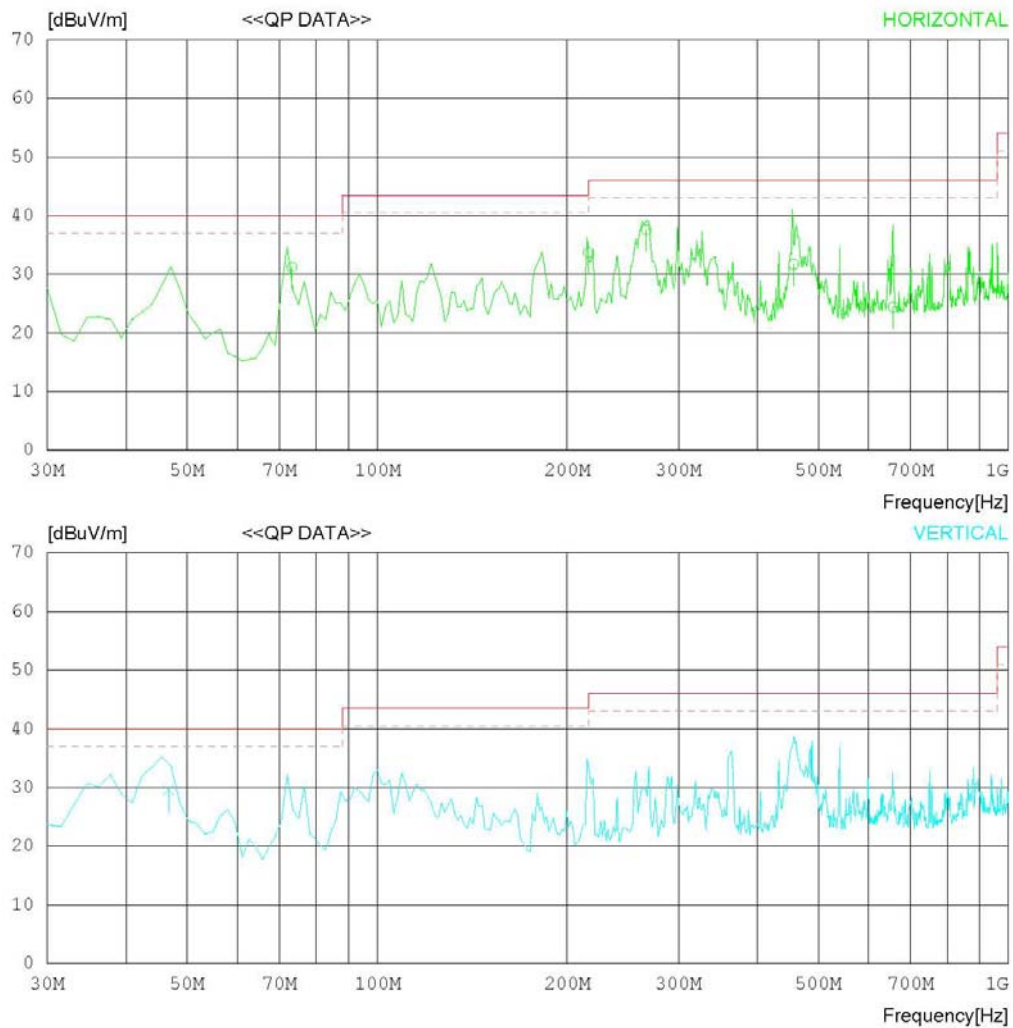
Date : 2012-04-18

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 23 °C 40 % R.H
Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-04-18

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 23 °C 40 % R.H
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	73.211	46.1	6.6	1.3	22.8	31.2	40.0	8.8	268	1
2	215.985	44.3	10.7	2.1	23.4	33.7	43.5	9.8	100	358
3	266.682	45.6	13.3	2.4	23.7	37.6	46.0	8.4	100	151
4	456.956	36.3	16.9	3.2	24.7	31.7	46.0	14.3	199	26
5	656.937	26.1	18.8	4.0	24.5	24.4	46.0	21.6	199	182
----- Vertical -----										
6	46.730	38.9	12.5	1.0	22.8	29.6	40.0	10.4	100	1

< HDMI MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

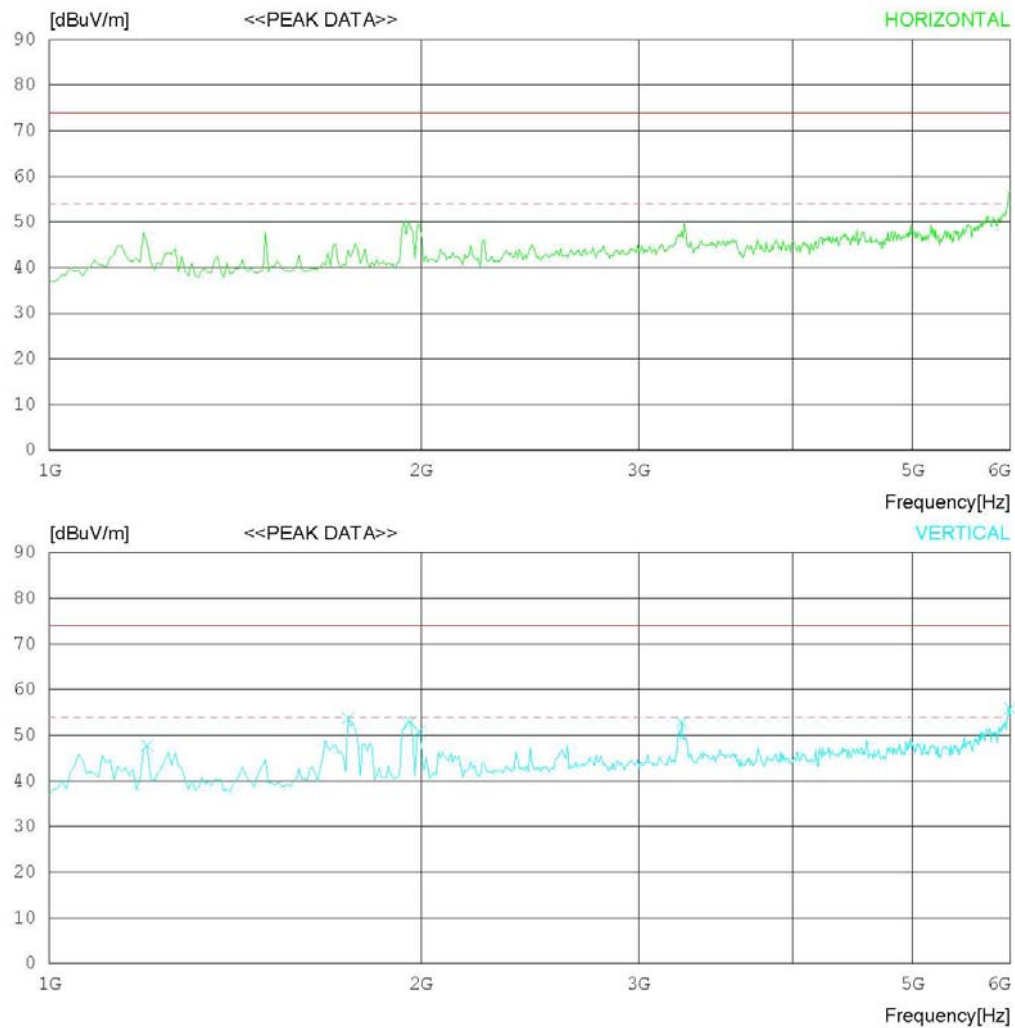
Date : 2012-04-19

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 35 % 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 : 2012-04-19

Model Name : 26LT670H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 35 % 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]
----- Vertical -----										
1	1200.320	60.5	25.0	4.1	41.8	47.8	74.0	26.2	100	173
2	1745.192	63.7	27.0	5.0	41.9	53.8	74.0	20.2	100	171
3	1961.538	61.8	27.8	5.3	42.0	52.9	74.0	21.1	100	211
4	1993.589	59.6	27.9	5.3	42.0	50.8	74.0	23.2	100	130
5	3251.620	57.4	30.5	7.0	42.0	52.9	74.0	21.1	100	231
6	6000.000	49.3	34.3	12.0	39.7	55.9	74.0	18.1	100	305

< HDMI MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

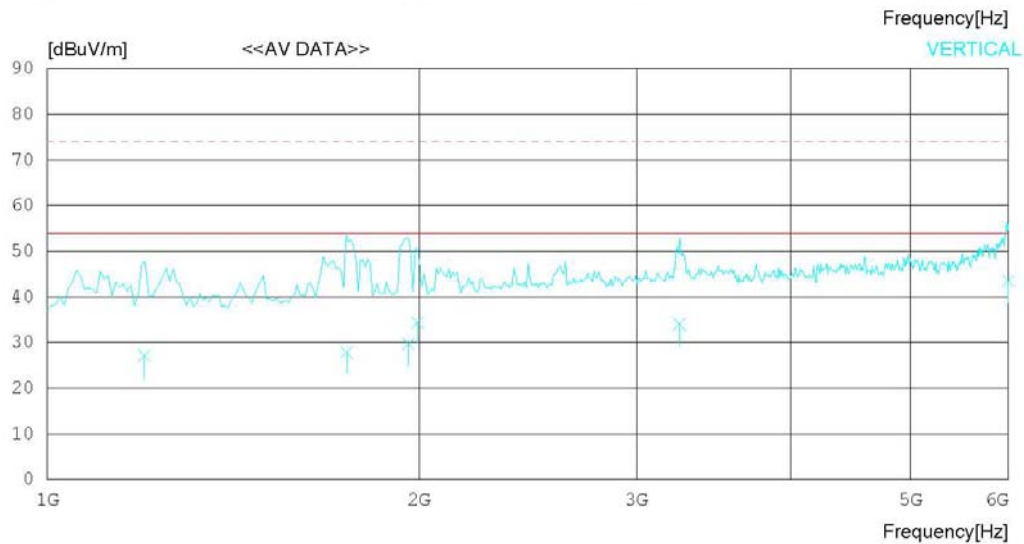
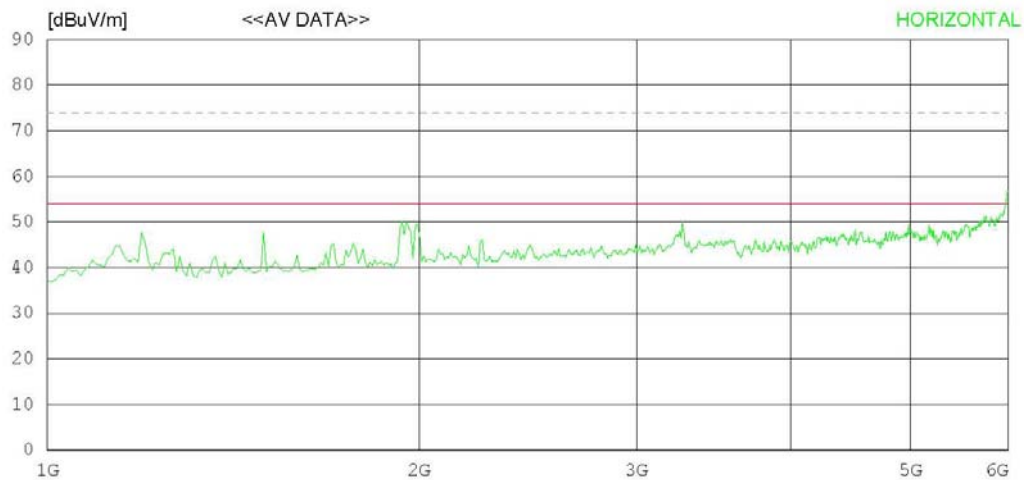
Date : 2012-04-19

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 35 % 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 : 2012-04-19

Model Name : 26LT670H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 35 % 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]
----- Vertical -----										
1	1198.878	39.8	25.0	4.1	41.8	27.1	54.0	26.9	100	173
2	1747.307	37.8	27.0	5.0	41.9	27.9	54.0	26.1	100	171
3	1961.538	38.6	27.8	5.3	42.0	29.7	54.0	24.3	100	211
4	1993.589	43.2	27.9	5.3	42.0	34.4	54.0	19.6	100	130
5	3250.110	38.5	30.5	7.0	42.0	34.0	54.0	20.0	100	231
6	6000.000	36.9	34.3	12.0	39.7	43.5	54.0	10.5	100	305

< USB MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

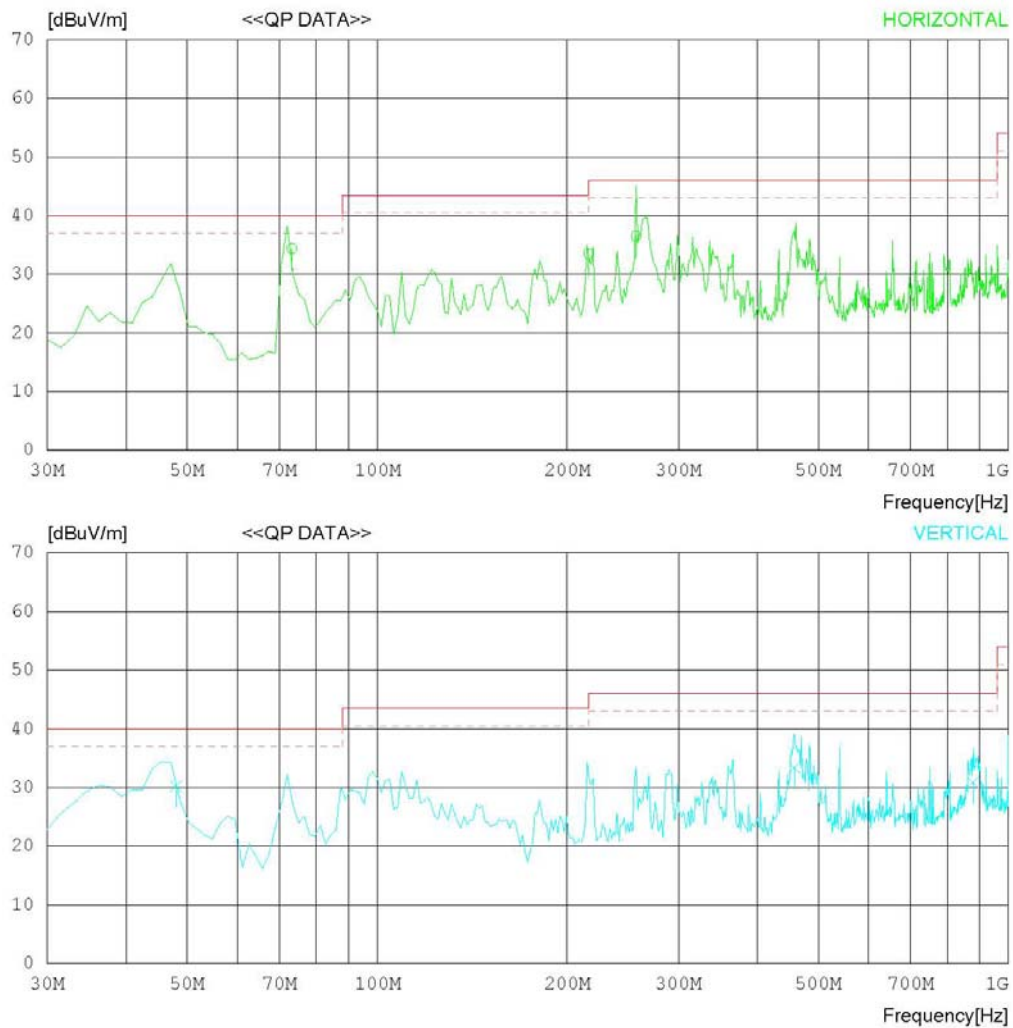
Date : 2012-04-18

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 23 °C 40 % R.H
Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-04-18

Model Name : 26LT670H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 23 °C 40 % 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	73.211	49.3	6.6	1.3	22.8	34.4	40.0	5.6	200	358
2	215.995	44.1	10.7	2.1	23.4	33.5	43.5	10.0	100	1
3	256.979	44.5	13.2	2.4	23.6	36.5	46.0	9.5	100	1
----- Vertical -----										
4	47.956	40.7	11.3	1.0	22.8	30.2	40.0	9.8	100	129
5	458.538	37.8	17.0	3.3	24.7	33.4	46.0	12.6	100	308
6	879.471	28.8	20.6	4.7	23.2	30.9	46.0	15.1	100	217

< USB MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

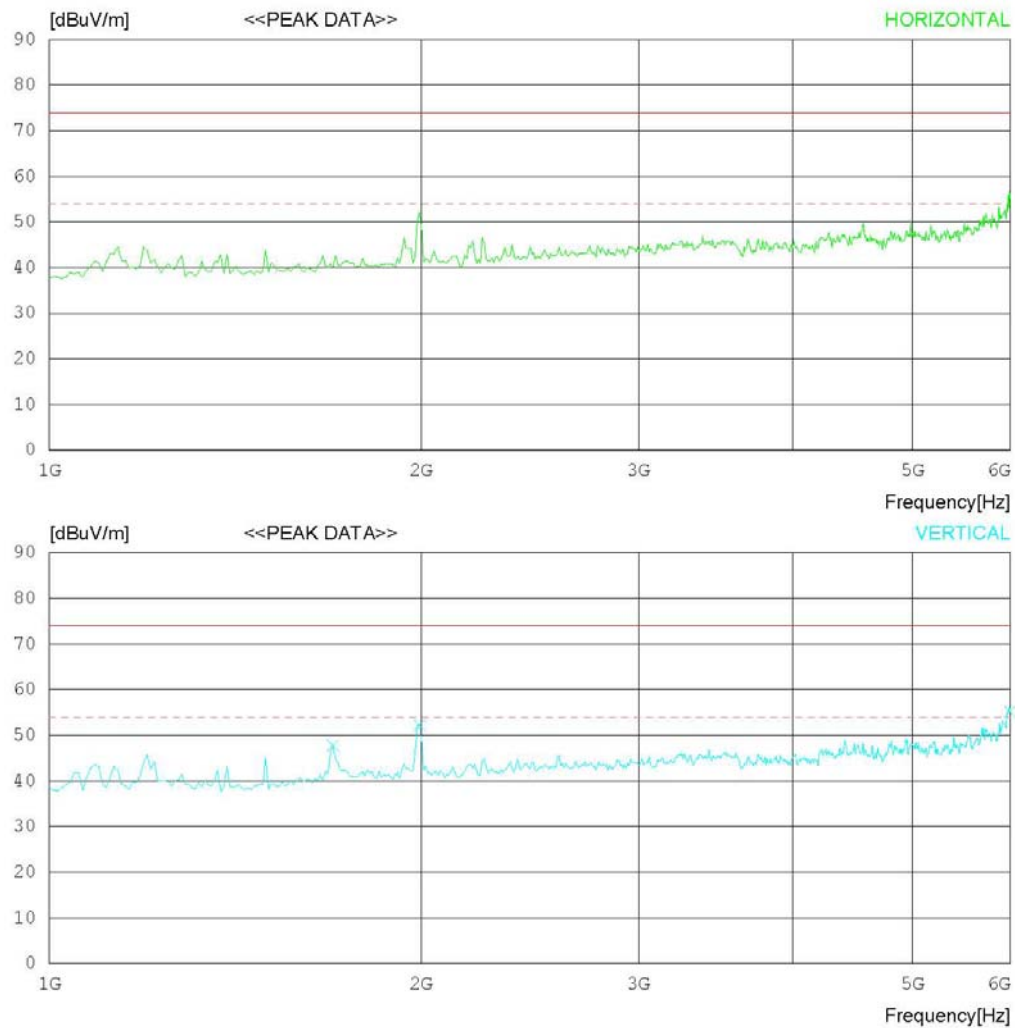
Date : 2012-04-19

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 35 % 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 : 2012-04-19

Model Name : 26LT670H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 35 % 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]
----- Vertical -----										
1	1697.115	58.0	26.8	4.9	41.9	47.8	74.0	26.2	100	211
2	1993.589	61.1	27.9	5.3	42.0	52.3	74.0	21.7	100	358
3	6000.000	48.6	34.3	12.0	39.7	55.2	74.0	18.8	100	358

< USB MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

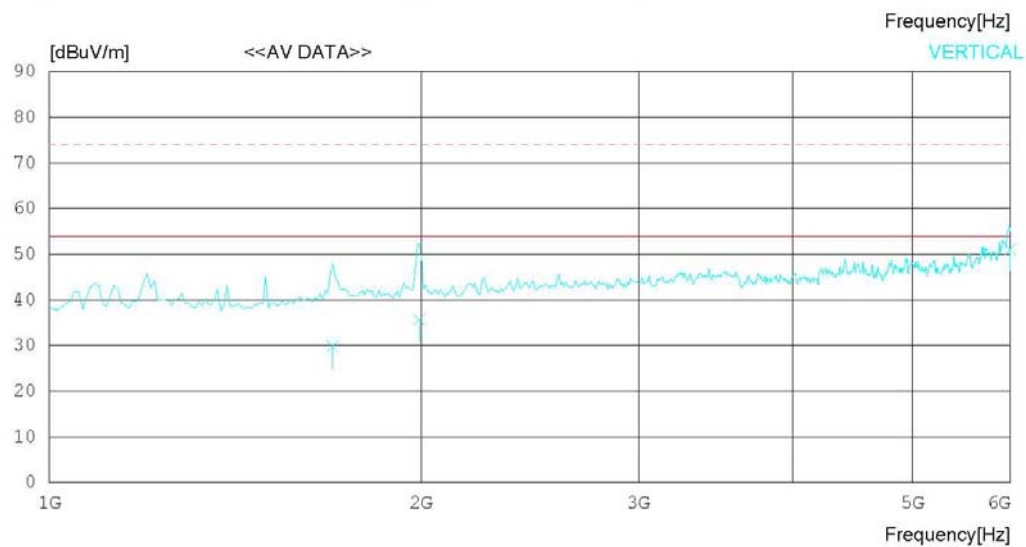
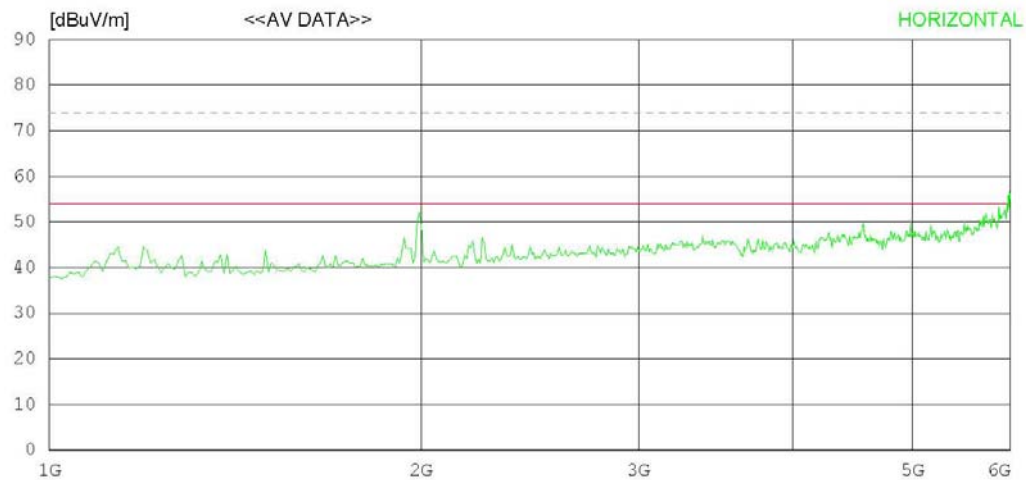
Date : 2012-04-19

Model Name : 26LT670H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 'C 35 % 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 : 2012-04-19

Model Name : 26LT670H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 35 % 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]	AV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Vertical -----										
1	1695.461	40.0	26.8	4.9	41.9	29.8	54.0	24.2	100	211
2	1993.589	44.5	27.9	5.3	42.0	35.7	54.0	18.3	100	358
3	6000.000	44.5	34.3	12.0	39.7	51.1	54.0	2.9	100	358

Appendix 1

List of Test and Measurement Instruments

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment is identified by the Test Laboratory.

1. Conducted Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
☐ SPECTRUM ANALYZER	8591E	H/P	3649A05889	2012.03.05	2013.03.05
☐ RFI/FIELD INTENSITY METER	KNM-2402	KYORITSU	4N-170-3	2011.07.02	2012.07.02
☐ LISN	KNW-407	KYORITSU	8-317-8	2012.01.09	2013.01.09
☐ LISN	KNW-242	KYORITSU	8-654-15	2011.09.19	2012.09.19
☐ 50 OHM TERMINATOR	CT-01	TME	N/A	2012.01.09	2013.01.09
☒ EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2012.03.06	2013.03.06
☒ LISN	ESH2-Z5	ROHDE & SCHWARZ	828739/006	2011.09.30	2012.09.30
☒ LISN	LISN1600	TTI	197204	2011.07.02	2012.07.02
☒ 50 OHM TERMINATOR	CT-01	TME	N/A	2012.01.09	2013.01.09

2. Radiated Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
☒ EMI TEST RECEIVER	ESU	ROHDE & SCHWARZ	100014	2012.01.09	2013.01.09
☒ BILOG ANTENNA	VULB9160	SCHAFFNER	3151	2010.08.25	2012.08.25
☒ HORN ANTENNA	3115	ETS	6419	2012.02.20	2013.02.20
☒ AMPLIFIER	8447E	H/P	2945A02865	2012.01.09	2013.01.09
☒ AMPLIFIER	MLA-00108-B02-36	TSJ	1518831	2012.01.09	2013.01.09
☐ SPECTRUM ANALYZER	E4411B	AGILENT	US41062735	2011.07.11	2012.07.11
☐ AMPLIFIER	8447D	AGILENT	2443A03690	2011.07.01	2012.07.01
☐ BILOG ANTENNA	VULB9160	SCHAFFNER	3151	2010.08.25	2012.08.25
☐ EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2012.03.06	2013.03.06
☐ BICONICAL ANT.	VHA 9103	SCHWARZBECK	91032789	2010.11.29	2012.11.29
☐ LOG-PERIODIC ANT.	UHALP 9108A	SCHWARZBECK	590	2010.07.07	2012.07.07
☐ BICONICAL ANT.	VHA 9103	SCHWARZBECK	91031946	2010.12.21	2012.12.21
☐ LOG-PERIODIC ANT.	UHALP 9108-A1	SCHWARZBECK	1098	2010.11.29	2012.11.29
☐ AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2012.03.05	2013.03.05