

EMC TEST REPORT

Test item : LED LCD TV Monitor
Model No. : 26LQ630H-UA
Order No. : 1201-00026
Date of receipt : 2012-01-05
Test duration : 2012-01-16 ~ 2012-01-30
Use of report : FCC CoC Marking
Date of Issue : 2012-01-30

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 ~ 21) °C,
Humidity : (31 ~ 34) % 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.

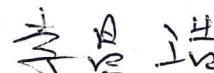
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Tested by:

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.

CONTENTS

1. General Remarks	3
2. Test Laboratory	3
3. General Information of EUT	4
4. Test Summary	5
4.1 Applied standards and test results	5
4.2 Test environment and conditions	5
4.3 Test result Summary	5
5. Test Set-up and operation mode	6
5.1 Principle of Configuration Selection.....	6
5.2 Test Operation Mode	6
5.3 Support Equipment Used.....	6
6. Test Results : Emission	7
6.1 Conducted Disturbance	7
6.2 Radiated Disturbance	14
Appendix 1.....	34
List of Test and Measurement Instruments	34

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	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.	26LQ630H-UA
EUT Type	LED LCD TV Monitor
Serial No	NONE
FCC ID	BEJ26LQ630HUA
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)
640x350	31.468	70.09
720x400	31.469	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1280x768	47.776	59.87
1360x768	47.712	60.015

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	01-30	20	32	-
Radiated Disturbance	01-16	19	31	
	01-17	21	34	

4.3 Test result Summary

(1) Conducted Emission(USB MODE)

Frequency [MHz]	Phase	Result [dB μ V]	Detector	Limit [dB μ V]	Margin [dB]
1.02100	N	48.6	Quasi-Peak	56.0	7.4

(2) Radiated Emission(USB MODE)

Frequency [MHz]	Pol.	Result [dB(μ V/m)]	Detector	Limit [dB(μ V/m)]	Margin [dB]
960.000	H	41.2	Quasi-Peak	46.0	4.8

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)	shield		
PC	VOSTRO430	9K77SBX	DELL	POWER	1.8	Non-shield	Plastic	DOC
				HDMI	1.8	Shield		
				DSUB	1.8	Shield		
				STEREO	1.6	Non-shield		
				USB	1.8	Non-shield		
				PS/2	1.6	Non-shield		
				PS/2	1.8	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 USB	1.8 1.8	Non-shield	Plastic	DOC
USB MEMORY	JEWELRY	N/A	AXXEN	USB	-	-	-	DOC
Pillow speaker	DPS	J00321894-0002	CURBELL ELECTRONICS, INC	SPEAKER	2.0	Shield	Plastic	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

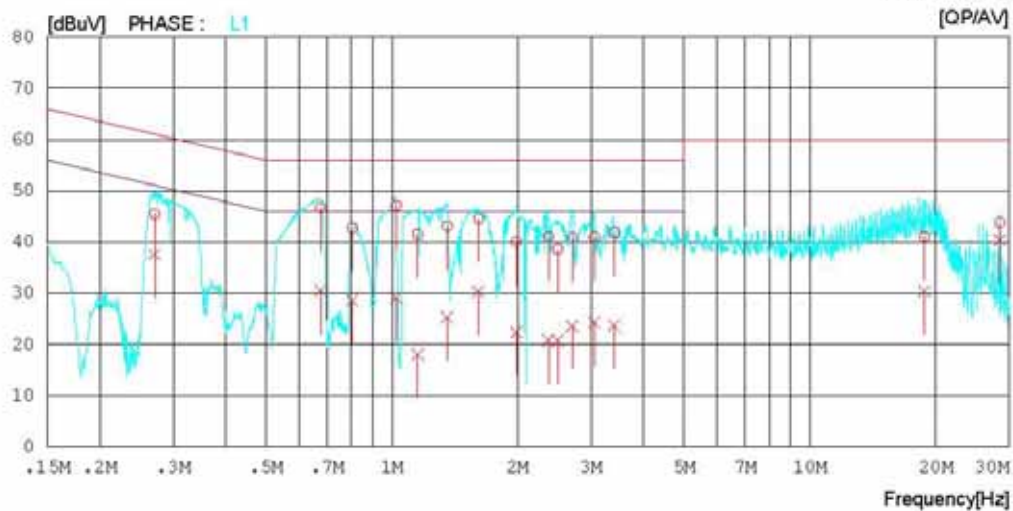
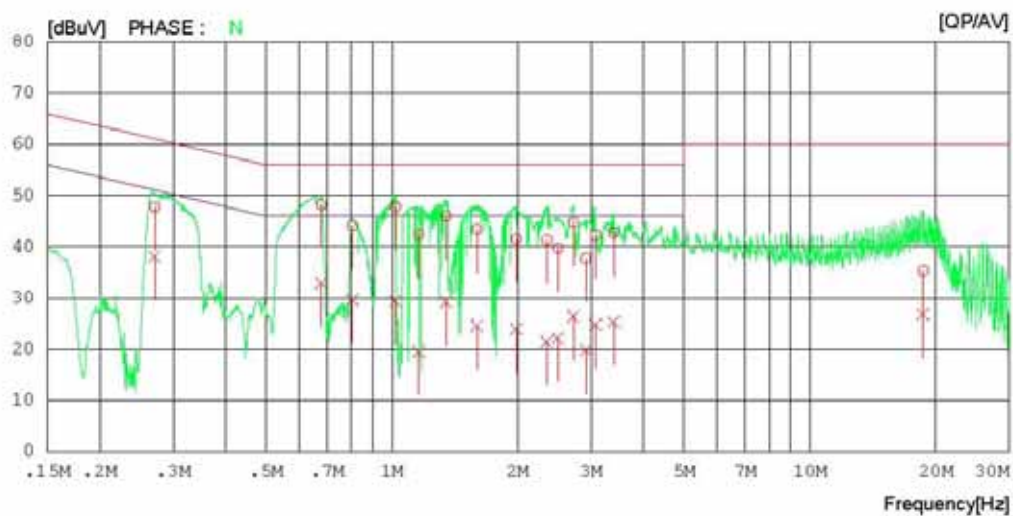
Digital EMC
 Date : 2012-01-30

Model No. : 26LQ630H-UA
 Type :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 32 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B QP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2012-01-30

Model No.	: 26LQ630H-UA	Reference No.	:
Type	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi.	: 20 °C 32 % R.H.
Test Condition	: DSUB	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	0.27100	47.6	37.9	0.2	47.8	38.1	61.1	51.1	13.3	13.0	N
2	0.67795	48.0	32.7	0.2	48.2	32.9	56.0	46.0	7.8	13.1	N
3	0.80500	43.8	29.4	0.3	44.1	29.7	56.0	46.0	11.9	16.3	N
4	1.02050	47.5	29.1	0.3	47.8	29.4	56.0	46.0	8.2	16.6	N
5	1.15975	42.1	19.3	0.3	42.4	19.6	56.0	46.0	13.6	26.4	N
6	1.34800	45.7	28.9	0.3	46.0	29.2	56.0	46.0	10.0	16.8	N
7	1.59850	43.1	24.3	0.3	43.4	24.6	56.0	46.0	12.6	21.4	N
8	1.98420	41.2	23.6	0.3	41.5	23.9	56.0	46.0	14.5	22.1	N
9	2.34755	41.0	21.2	0.3	41.3	21.5	56.0	46.0	14.7	24.5	N
10	2.49500	39.4	21.8	0.3	39.7	22.1	56.0	46.0	16.3	23.9	N
11	2.71640	44.5	26.1	0.3	44.8	26.4	56.0	46.0	11.2	19.6	N
12	2.91360	37.4	19.6	0.3	37.7	19.9	56.0	46.0	18.3	26.1	N
13	3.07515	41.9	24.4	0.4	42.3	24.8	56.0	46.0	13.7	21.2	N
14	3.39785	42.4	24.9	0.4	42.8	25.3	56.0	46.0	13.2	20.7	N
15	18.66500	34.2	25.7	1.1	35.3	26.8	60.0	50.0	24.7	23.2	N
16	0.27100	45.3	37.4	0.2	45.5	37.6	61.1	51.1	15.6	13.5	L1
17	0.67580	46.5	30.3	0.2	46.7	30.5	56.0	46.0	9.3	15.5	L1
18	0.80400	42.5	28.3	0.3	42.8	28.6	56.0	46.0	13.2	17.4	L1
19	1.02505	46.8	28.8	0.3	47.1	29.1	56.0	46.0	8.9	16.9	L1
20	1.15180	41.2	17.7	0.3	41.5	18.0	56.0	46.0	14.5	28.0	L1
21	1.35800	42.8	25.0	0.3	43.1	25.3	56.0	46.0	12.9	20.7	L1
22	1.61375	44.3	30.0	0.3	44.6	30.3	56.0	46.0	11.4	15.7	L1
23	1.98750	39.8	22.1	0.3	40.1	22.4	56.0	46.0	15.9	23.6	L1
24	2.37025	40.7	20.6	0.3	41.0	20.9	56.0	46.0	15.0	25.1	L1
25	2.49250	38.3	20.5	0.3	38.6	20.8	56.0	46.0	17.4	25.2	L1
26	2.69905	40.6	23.3	0.3	40.9	23.6	56.0	46.0	15.1	22.4	L1
27	3.05240	40.6	23.9	0.4	41.0	24.3	56.0	46.0	15.0	21.7	L1
28	3.40050	41.4	23.3	0.4	41.8	23.7	56.0	46.0	14.2	22.3	L1
29	18.79125	40.0	29.3	1.1	41.1	30.4	60.0	50.0	18.9	19.6	L1
30	28.49500	42.5	39.1	1.3	43.8	40.4	60.0	50.0	16.2	9.6	L1

< HDMI MODE >



Results of Conducted Emission

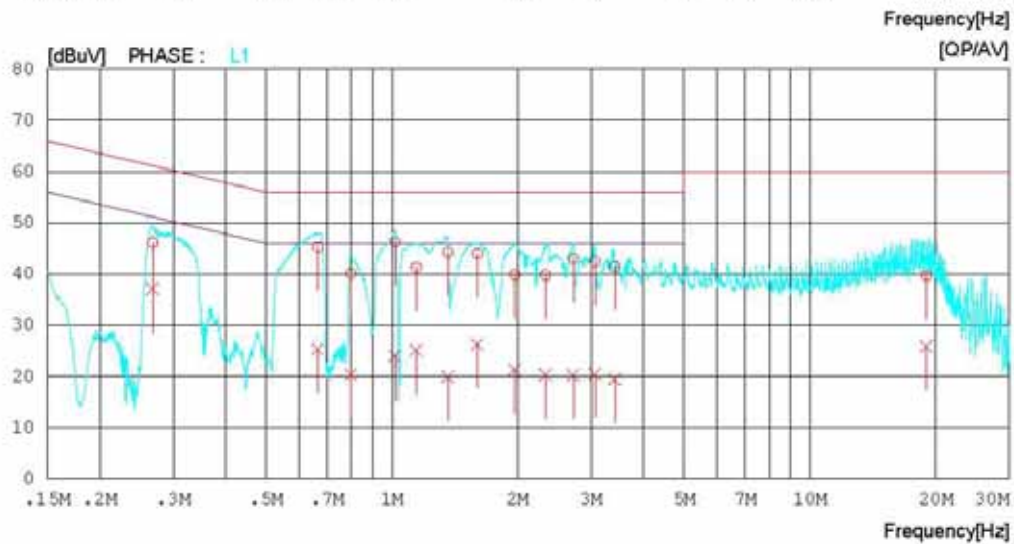
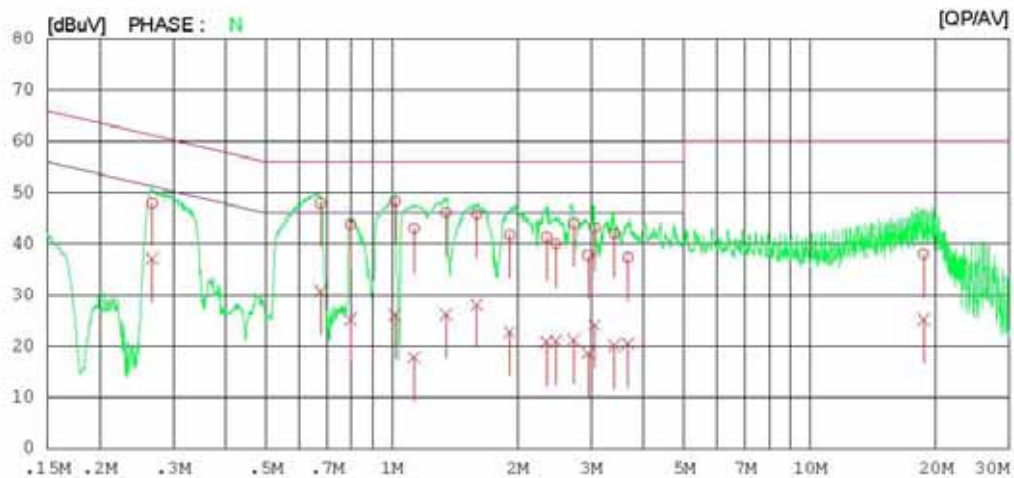
Digital EMC
 Date : 2012-01-30

Model No. : 26LQ630H-UA
 Type :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 32 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B OP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
 Date : 2012-01-30

Model No. : 26LQ630H-UA
 Type :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 32 % 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	0.26699	47.8	36.8	0.2	48.0	37.0	61.2	51.2	13.2	14.2	N
2	0.67550	47.8	30.5	0.2	48.0	30.7	56.0	46.0	8.0	15.3	N
3	0.79763	43.6	25.1	0.2	43.8	25.3	56.0	46.0	12.2	20.7	N
4	1.01700	48.1	25.9	0.3	48.4	26.2	56.0	46.0	7.6	19.8	N
5	1.13120	42.7	17.6	0.3	43.0	17.9	56.0	46.0	13.0	28.1	N
6	1.34800	45.8	25.9	0.3	46.1	26.2	56.0	46.0	9.9	19.8	N
7	1.59650	45.4	27.8	0.3	45.7	28.1	56.0	46.0	10.3	17.9	N
8	1.91550	41.4	22.4	0.3	41.7	22.7	56.0	46.0	14.3	23.3	N
9	2.34300	41.0	20.5	0.3	41.3	20.8	56.0	46.0	14.7	25.2	N
10	2.46713	39.7	20.7	0.3	40.0	21.0	56.0	46.0	16.0	25.0	N
11	2.72755	43.6	20.9	0.3	43.9	21.2	56.0	46.0	12.1	24.8	N
12	2.94425	37.4	18.3	0.3	37.7	18.6	56.0	46.0	18.3	27.4	N
13	3.05500	42.8	23.7	0.4	43.2	24.1	56.0	46.0	12.8	21.9	N
14	3.41150	41.6	19.8	0.4	42.0	20.2	56.0	46.0	14.0	25.8	N
15	3.67100	36.9	20.1	0.4	37.3	20.5	56.0	46.0	18.7	25.5	N
16	18.71450	36.9	24.1	1.1	38.0	25.2	60.0	50.0	22.0	24.8	N
17	0.26780	46.0	36.9	0.2	46.2	37.1	61.2	51.2	15.0	14.1	L1
18	0.66521	45.1	25.1	0.2	45.3	25.3	56.0	46.0	10.7	20.7	L1
19	0.79844	39.9	20.2	0.2	40.1	20.4	56.0	46.0	15.9	25.6	L1
20	1.01800	46.0	23.7	0.3	46.3	24.0	56.0	46.0	9.7	22.0	L1
21	1.14400	41.0	24.8	0.3	41.3	25.1	56.0	46.0	14.7	20.9	L1
22	1.36200	43.9	19.6	0.3	44.2	19.9	56.0	46.0	11.8	26.1	L1
23	1.60200	43.7	25.9	0.3	44.0	26.2	56.0	46.0	12.0	19.8	L1
24	1.96900	39.6	21.0	0.3	39.9	21.3	56.0	46.0	16.1	24.7	L1
25	2.33000	39.5	20.1	0.3	39.8	20.4	56.0	46.0	16.2	25.6	L1
26	2.71525	42.8	20.0	0.3	43.1	20.3	56.0	46.0	12.9	25.7	L1
27	3.06400	42.1	20.1	0.4	42.5	20.5	56.0	46.0	13.5	25.5	L1
28	3.41325	41.1	19.1	0.4	41.5	19.5	56.0	46.0	14.5	26.5	L1
29	19.00225	38.6	24.8	1.1	39.7	25.9	60.0	50.0	20.3	24.1	L1

< USB MODE >



Results of Conducted Emission

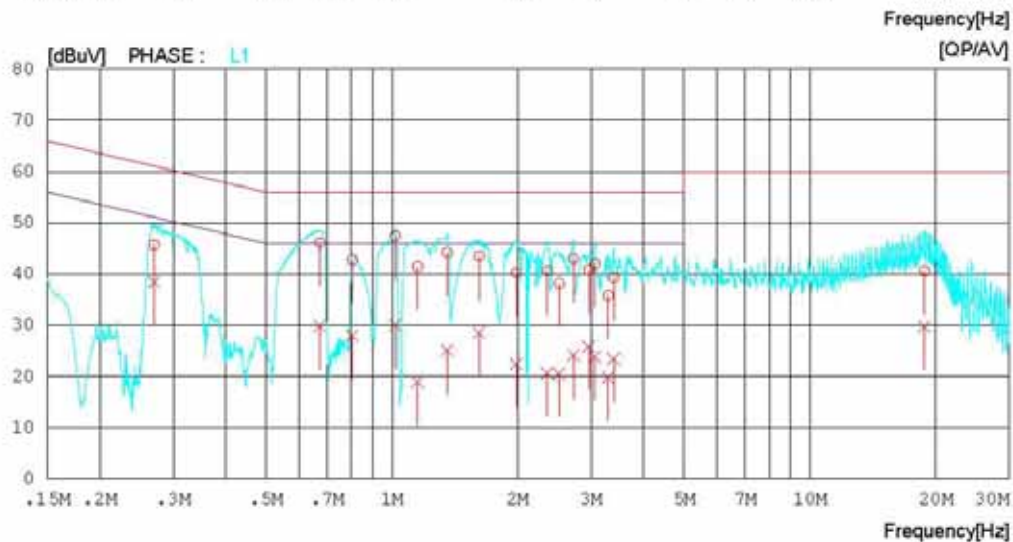
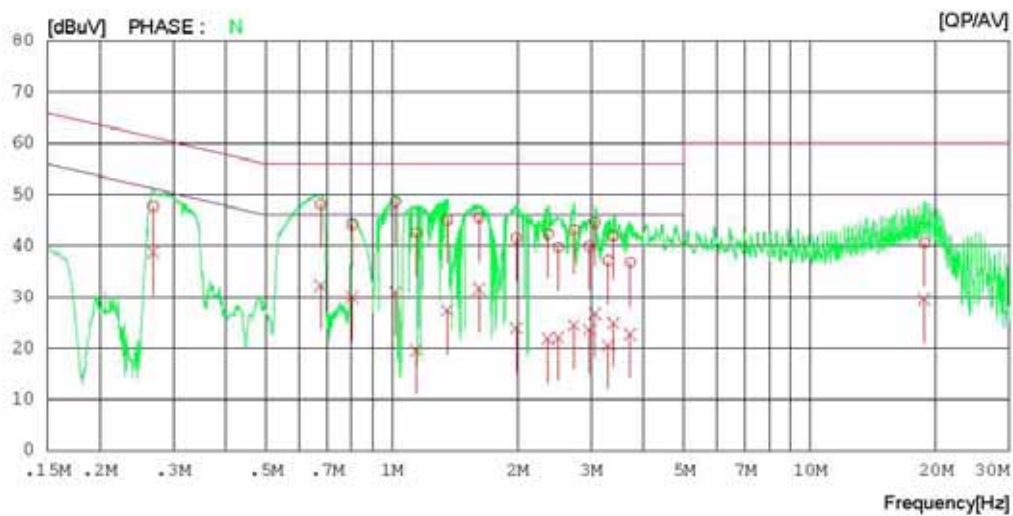
Digital EMC
 Date : 2012-01-30

Model No. : 26LQ630H-UA
 Type :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 32 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B OP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
 Date : 2012-01-30

Model No. : 26LQ630H-UA
 Type :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 20 °C 32 % 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	0.26850	47.5	38.5	0.2	47.7	38.7	61.2	51.2	13.5	12.5	N
2	0.67520	47.9	32.0	0.2	48.1	32.2	56.0	46.0	7.9	13.8	N
3	0.80375	43.9	29.7	0.3	44.2	30.0	56.0	46.0	11.8	16.0	N
4	1.02100	48.3	30.6	0.3	48.6	30.9	56.0	46.0	7.4	15.1	N
5	1.14500	42.2	19.3	0.3	42.5	19.6	56.0	46.0	13.5	26.4	N
6	1.35615	44.8	27.1	0.3	45.1	27.4	56.0	46.0	10.9	18.6	N
7	1.61600	45.2	31.3	0.3	45.5	31.6	56.0	46.0	10.5	14.4	N
8	1.98460	41.2	23.6	0.3	41.5	23.9	56.0	46.0	14.5	22.1	N
9	2.36475	42.0	21.5	0.3	42.3	21.8	56.0	46.0	13.7	24.2	N
10	2.50245	39.4	21.8	0.3	39.7	22.1	56.0	46.0	16.3	23.9	N
11	2.72725	42.9	24.2	0.3	43.2	24.5	56.0	46.0	12.8	21.5	N
12	2.96345	39.6	23.3	0.3	39.9	23.6	56.0	46.0	16.1	22.4	N
13	3.05925	44.2	26.3	0.4	44.6	26.7	56.0	46.0	11.4	19.3	N
14	3.29500	36.7	20.2	0.4	37.1	20.6	56.0	46.0	18.9	25.4	N
15	3.38600	41.5	24.5	0.4	41.9	24.9	56.0	46.0	14.1	21.1	N
16	3.71500	36.4	22.3	0.4	36.8	22.7	56.0	46.0	19.2	23.3	N
17	18.79630	39.5	28.5	1.1	40.6	29.6	60.0	50.0	19.4	20.4	N
18	0.27000	45.5	38.2	0.2	45.7	38.4	61.1	51.1	15.4	12.7	L1
19	0.67340	45.9	29.7	0.2	46.1	29.9	56.0	46.0	9.9	16.1	L1
20	0.80420	42.5	27.7	0.3	42.8	28.0	56.0	46.0	13.2	18.0	L1
21	1.02000	47.1	29.8	0.3	47.4	30.1	56.0	46.0	8.6	15.9	L1
22	1.15290	41.1	18.7	0.3	41.4	19.0	56.0	46.0	14.6	27.0	L1
23	1.35700	43.9	24.8	0.3	44.2	25.1	56.0	46.0	11.8	20.9	L1
24	1.61865	43.2	28.3	0.3	43.5	28.6	56.0	46.0	12.5	17.4	L1
25	1.98430	39.9	22.1	0.3	40.2	22.4	56.0	46.0	15.8	23.6	L1
26	2.35465	40.4	20.4	0.3	40.7	20.7	56.0	46.0	15.3	25.3	L1
27	2.51550	37.9	20.3	0.3	38.2	20.6	56.0	46.0	17.8	25.4	L1
28	2.72055	42.7	23.8	0.3	43.0	24.1	56.0	46.0	13.0	21.9	L1
29	2.95800	40.5	25.5	0.3	40.8	25.8	56.0	46.0	15.2	20.2	L1
30	3.06000	41.6	23.4	0.4	42.0	23.8	56.0	46.0	14.0	22.2	L1
31	3.29500	35.4	19.4	0.4	35.8	19.8	56.0	46.0	20.2	26.2	L1
32	3.39150	39.0	23.1	0.4	39.4	23.5	56.0	46.0	16.6	22.5	L1
33	18.79160	39.5	28.7	1.1	40.6	29.8	60.0	50.0	19.4	20.2	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

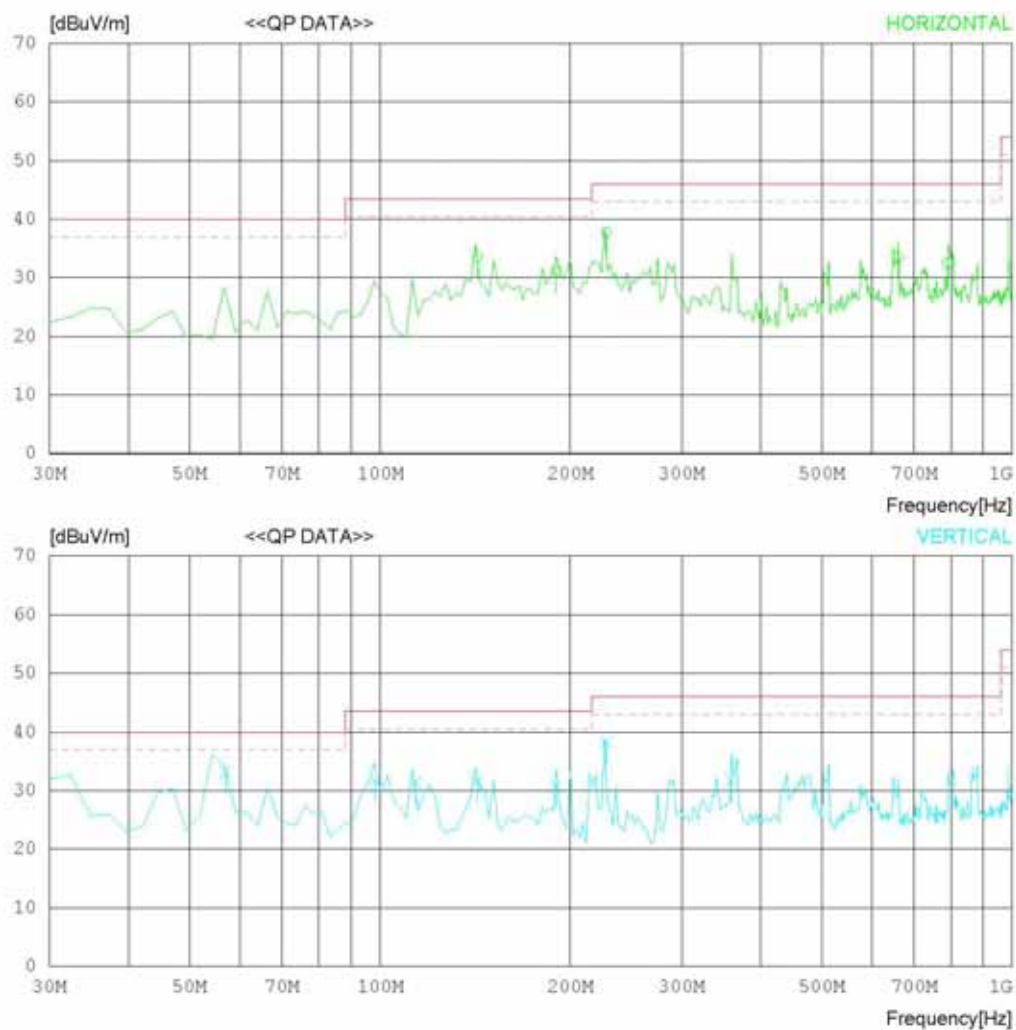
Date : 2012-01-16

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 19 °C 31 % R.H.
 Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-01-16

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 19 °C 31 % 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	142.500	44.2	10.8	1.6	23.0	33.6	43.5	9.9	201	1
2	190.034	42.6	9.8	2.0	23.2	31.2	43.5	12.3	100	135
3	228.015	47.3	11.6	2.2	23.4	37.7	46.0	8.3	100	125
4	659.825	34.9	18.8	4.0	24.2	33.5	46.0	12.5	100	206
5	790.625	31.5	20.1	4.5	23.7	32.4	46.0	13.6	201	130
----- Vertical -----										
6	57.009	47.9	6.7	1.1	22.6	33.1	40.0	6.9	400	358
7	98.325	42.4	10.5	1.5	22.7	31.7	43.5	11.8	100	27
8	114.000	41.4	11.3	1.5	22.8	31.4	43.5	12.1	100	1
9	142.500	42.3	10.8	1.6	23.0	31.7	43.5	11.8	100	297
10	190.033	42.1	9.8	2.0	23.2	30.7	43.5	12.8	100	1
11	228.015	47.9	11.6	2.2	23.4	38.3	46.0	7.7	100	316
12	359.400	38.0	15.1	2.8	24.2	31.7	46.0	14.3	100	1

< DSUB MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

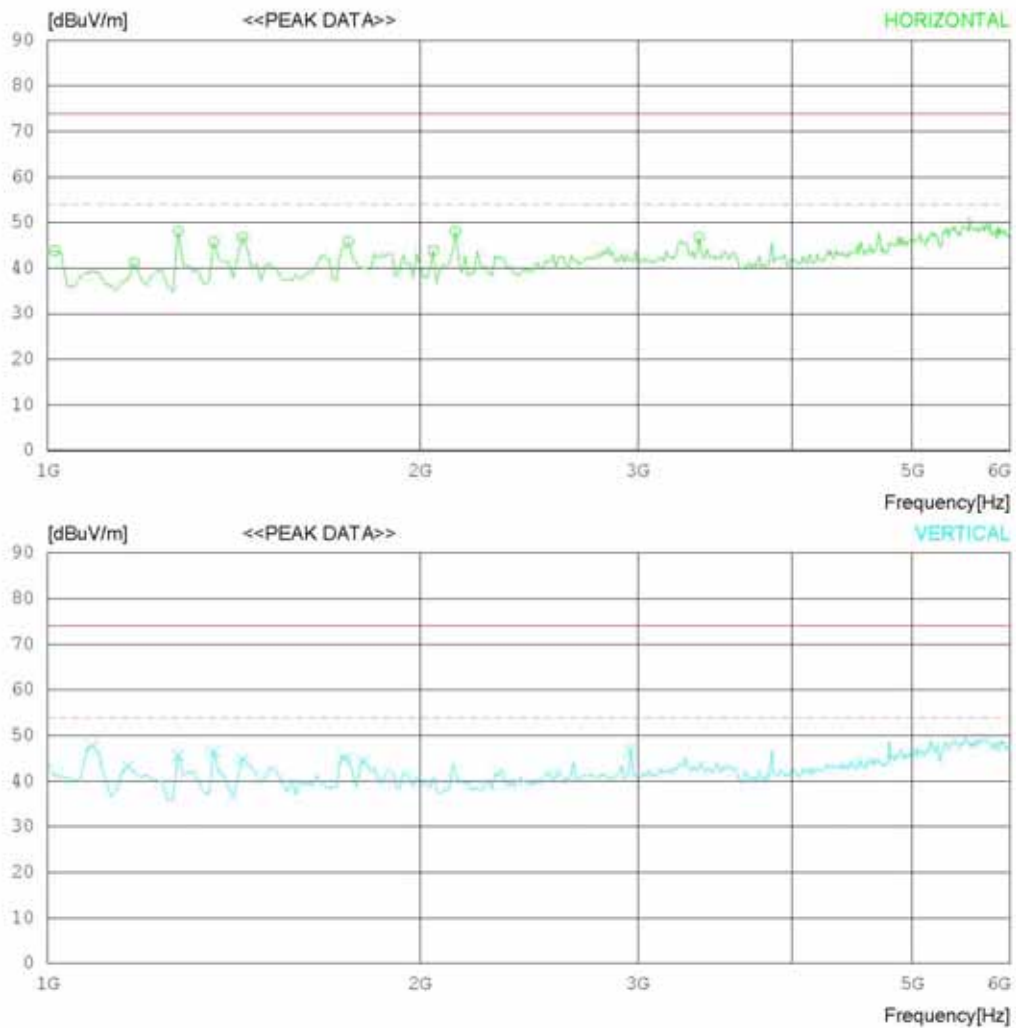
Date : 2012-01-17

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 21 °C 34 % 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 : 2012-01-17

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 21 °C 34 % 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	1012.500	57.1	23.7	4.8	41.8	43.8	74.0	30.2	100	171
2	1175.000	53.6	24.2	5.2	41.8	41.2	74.0	32.8	100	288
3	1275.000	60.1	24.5	5.4	41.9	48.1	74.0	25.9	100	358
4	1362.500	57.3	24.7	5.6	41.9	45.7	74.0	28.3	100	358
5	1437.500	57.9	25.0	5.8	41.9	46.8	74.0	27.2	100	164
6	1750.000	56.1	25.2	6.5	42.0	45.8	74.0	28.2	100	229
7	2050.000	53.4	25.4	7.1	42.0	43.9	74.0	30.1	100	148
8	2137.500	57.1	25.8	7.2	42.0	48.1	74.0	25.9	100	358
9	3362.500	50.4	29.0	9.3	42.0	46.7	74.0	27.3	100	358
----- Vertical -----										
10	1087.500	60.6	23.9	5.0	41.8	47.7	74.0	26.3	100	184
11	1162.500	55.7	24.1	5.2	41.8	43.2	74.0	30.8	100	1
12	1275.000	57.7	24.5	5.4	41.9	45.7	74.0	28.3	100	1
13	1362.500	58.0	24.7	5.6	41.9	46.4	74.0	27.6	100	175
14	1437.500	55.9	25.0	5.8	41.9	44.8	74.0	29.2	100	216
15	1737.500	55.3	25.2	6.5	41.9	45.1	74.0	28.9	100	166
16	1800.000	54.7	25.2	6.6	42.0	44.5	74.0	29.5	100	1
17	2962.500	51.5	28.7	8.7	42.1	46.8	74.0	27.2	100	1

< DSUB MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

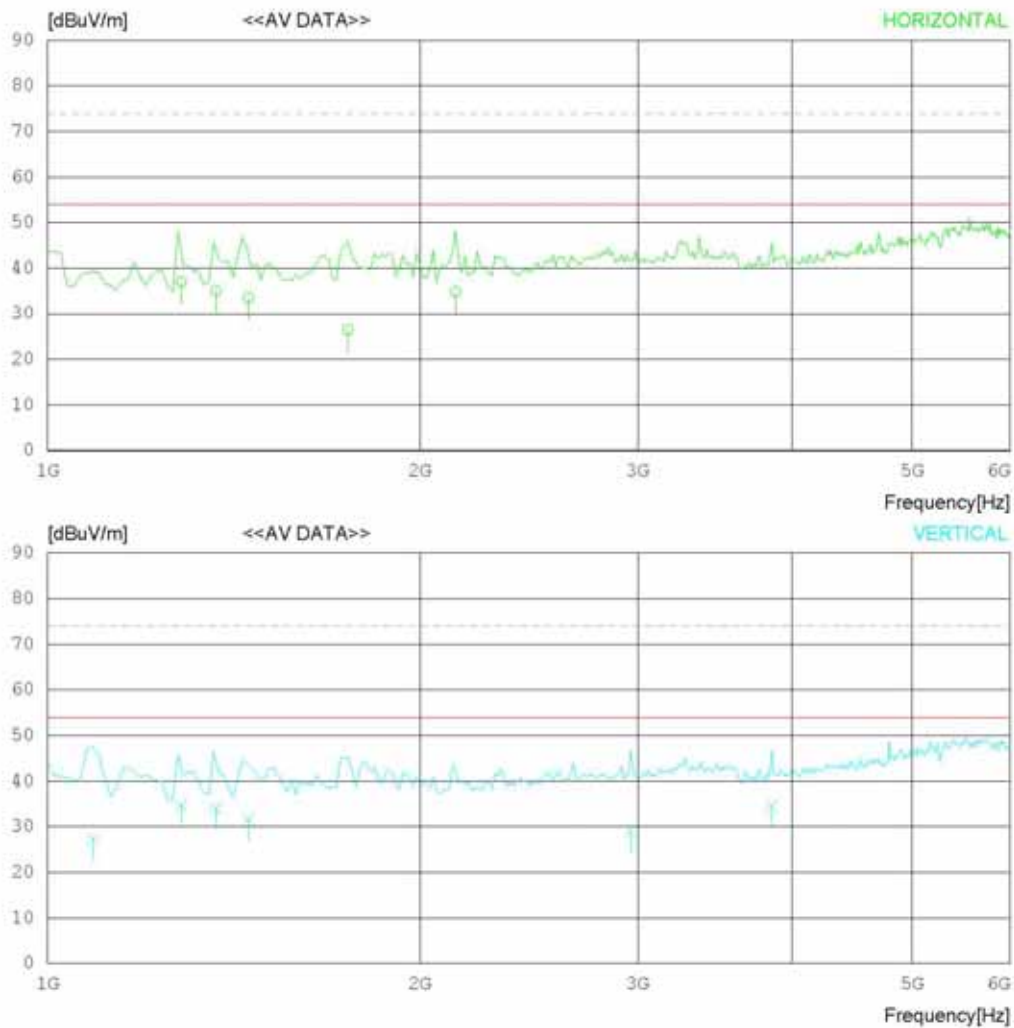
Date : 2012-01-17

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 21 °C 34 % 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 : 2012-01-17

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 21 °C 34 % 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	1282.500	48.8	24.5	5.5	41.9	36.9	54.0	17.1	100	358
2	1368.100	46.5	24.7	5.7	41.9	35.0	54.0	19.0	100	358
3	1453.500	44.6	25.0	5.8	41.9	33.5	54.0	20.5	100	164
4	1749.375	36.7	25.2	6.5	41.9	26.5	54.0	27.5	100	229
5	2137.384	43.8	25.8	7.2	42.0	34.8	54.0	19.2	100	358
----- Vertical -----										
6	1089.481	40.3	23.9	5.0	41.8	27.4	54.0	26.6	100	184
7	1282.500	46.5	24.5	5.5	41.9	34.6	54.0	19.4	100	1
8	1368.100	45.5	24.7	5.7	41.9	34.0	54.0	20.0	100	175
9	1453.500	42.7	25.0	5.8	41.9	31.6	54.0	22.4	100	216
10	2962.823	33.8	28.7	8.7	42.1	29.1	54.0	24.9	100	1
11	3847.500	36.6	29.9	9.8	41.8	34.5	54.0	19.5	100	166

< HDMI MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

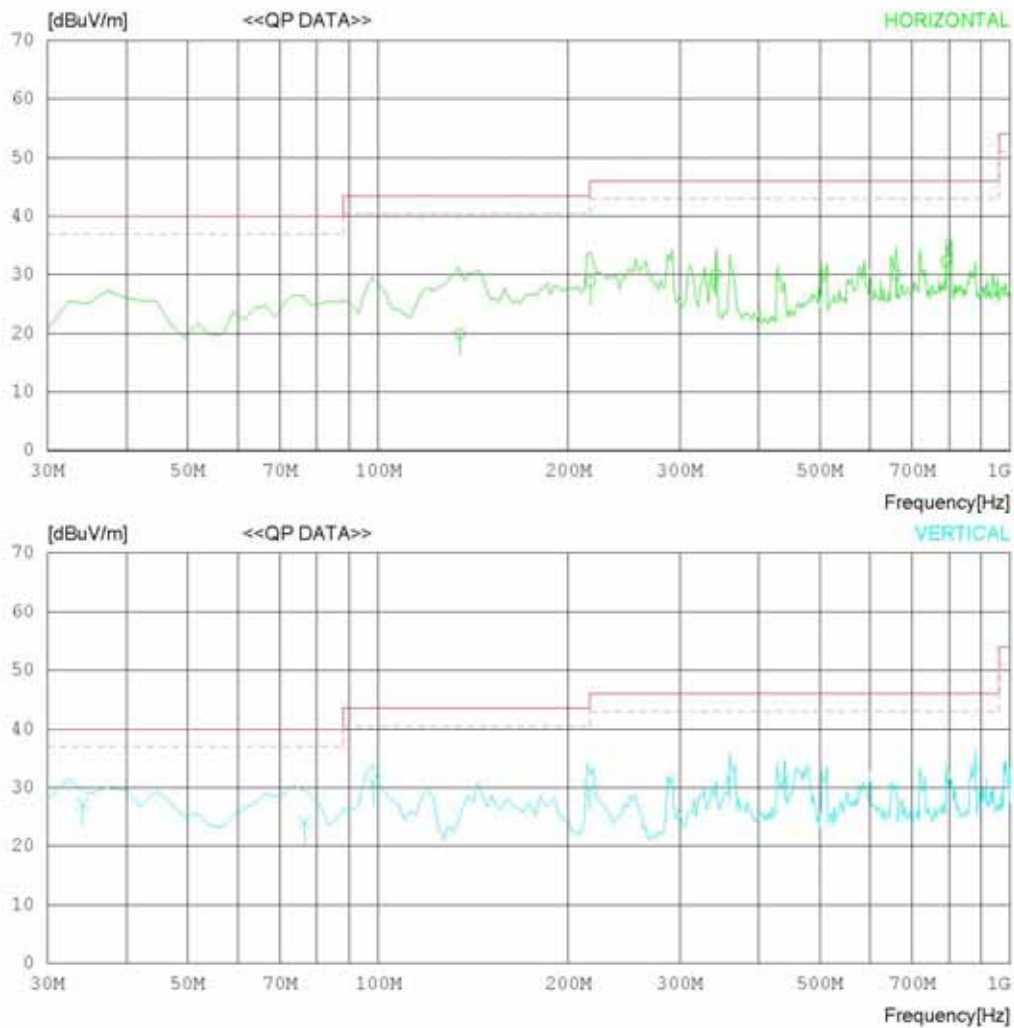
Date : 2012-01-16

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 19 °C 31 % R.H.
 Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-01-16

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 19 °C 31 % 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	134.700	30.0	11.3	1.6	23.0	19.9	43.5	23.6	200	358
2	216.725	39.1	10.8	2.2	23.3	28.8	46.0	17.2	100	1
3	342.041	36.8	14.7	2.7	24.1	30.1	46.0	15.9	100	217
4	660.498	31.4	18.8	4.0	24.2	30.0	46.0	16.0	199	45
5	791.448	31.4	20.1	4.5	23.7	32.3	46.0	13.7	224	152
----- Vertical -----										
6	34.100	32.1	16.8	0.9	22.6	27.2	40.0	12.8	100	173
7	76.525	38.4	6.9	1.3	22.6	24.0	40.0	16.0	199	1
8	98.287	41.6	10.5	1.5	22.7	30.9	43.5	12.6	100	358
9	215.700	40.4	10.7	2.1	23.3	29.9	43.5	13.6	223	1
10	360.025	38.0	15.1	2.8	24.2	31.7	46.0	14.3	100	358
11	439.824	36.0	16.7	3.2	24.5	31.4	46.0	14.6	100	160
12	881.172	31.2	20.6	4.7	23.3	33.2	46.0	12.8	100	182

< HDMI MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

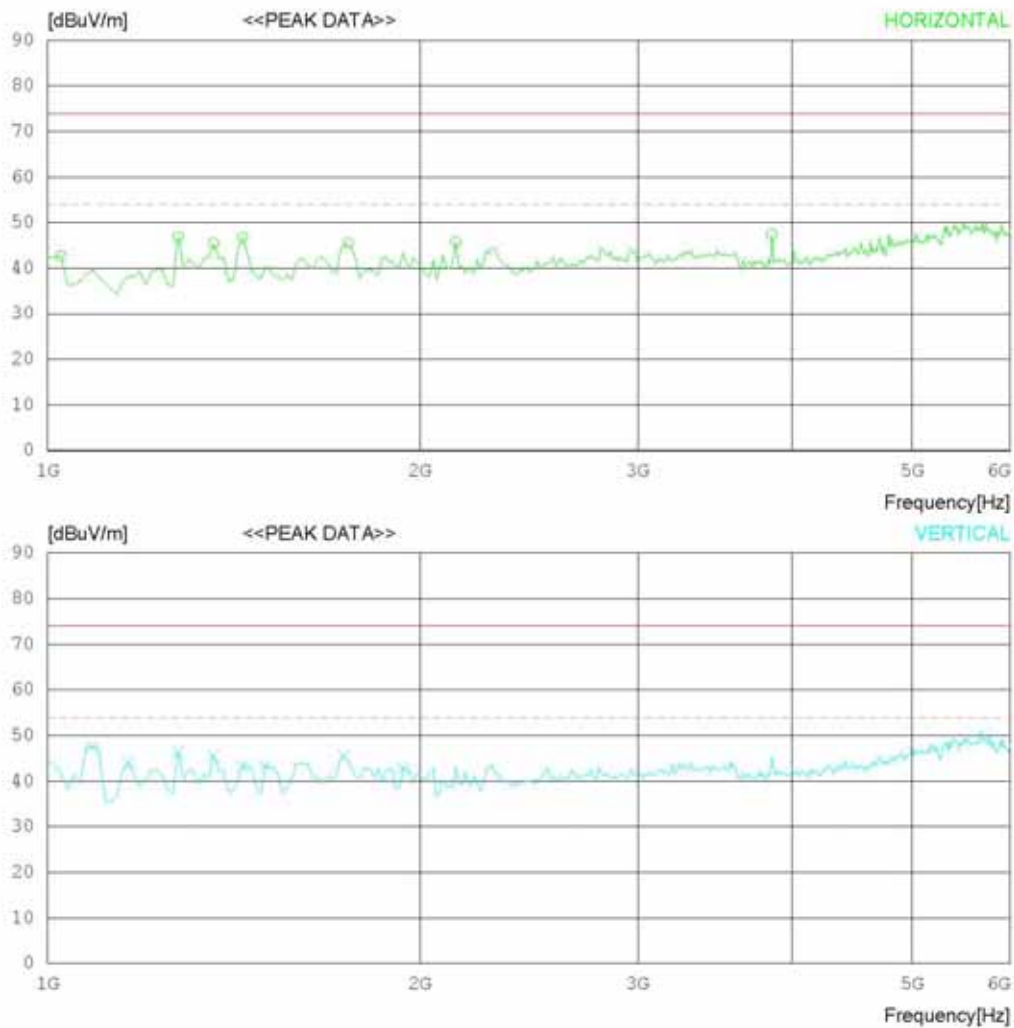
Date : 2012-01-17

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 21 °C 34 % 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 : 2012-01-17

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 21 °C 34 % 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	1025.000	55.9	23.7	4.9	41.8	42.7	74.0	31.3	100	168
2	1275.000	58.9	24.5	5.4	41.9	46.9	74.0	27.1	100	358
3	1362.500	57.1	24.7	5.6	41.9	45.5	74.0	28.5	100	211
4	1437.500	57.8	25.0	5.8	41.9	46.7	74.0	27.3	100	358
5	1750.000	55.8	25.2	6.5	42.0	45.5	74.0	28.5	100	235
6	2137.500	54.8	25.8	7.2	42.0	45.8	74.0	28.2	100	358
7	3850.000	49.5	29.9	9.8	41.8	47.4	74.0	26.6	100	132
----- Vertical -----										
8	1087.500	60.4	23.9	5.0	41.8	47.5	74.0	26.5	100	1
9	1162.500	56.4	24.1	5.2	41.8	43.9	74.0	30.1	100	167
10	1275.000	58.4	24.5	5.4	41.9	46.4	74.0	27.6	100	1
11	1362.500	57.0	24.7	5.6	41.9	45.4	74.0	28.6	100	1
12	1437.500	54.5	25.0	5.8	41.9	43.4	74.0	30.6	100	148
13	1500.000	54.2	25.1	6.0	41.9	43.4	74.0	30.6	100	174
14	1737.500	55.6	25.2	6.5	41.9	45.4	74.0	28.6	100	165
15	1937.500	52.7	25.2	6.9	42.0	42.8	74.0	31.2	100	141

< HDMI MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

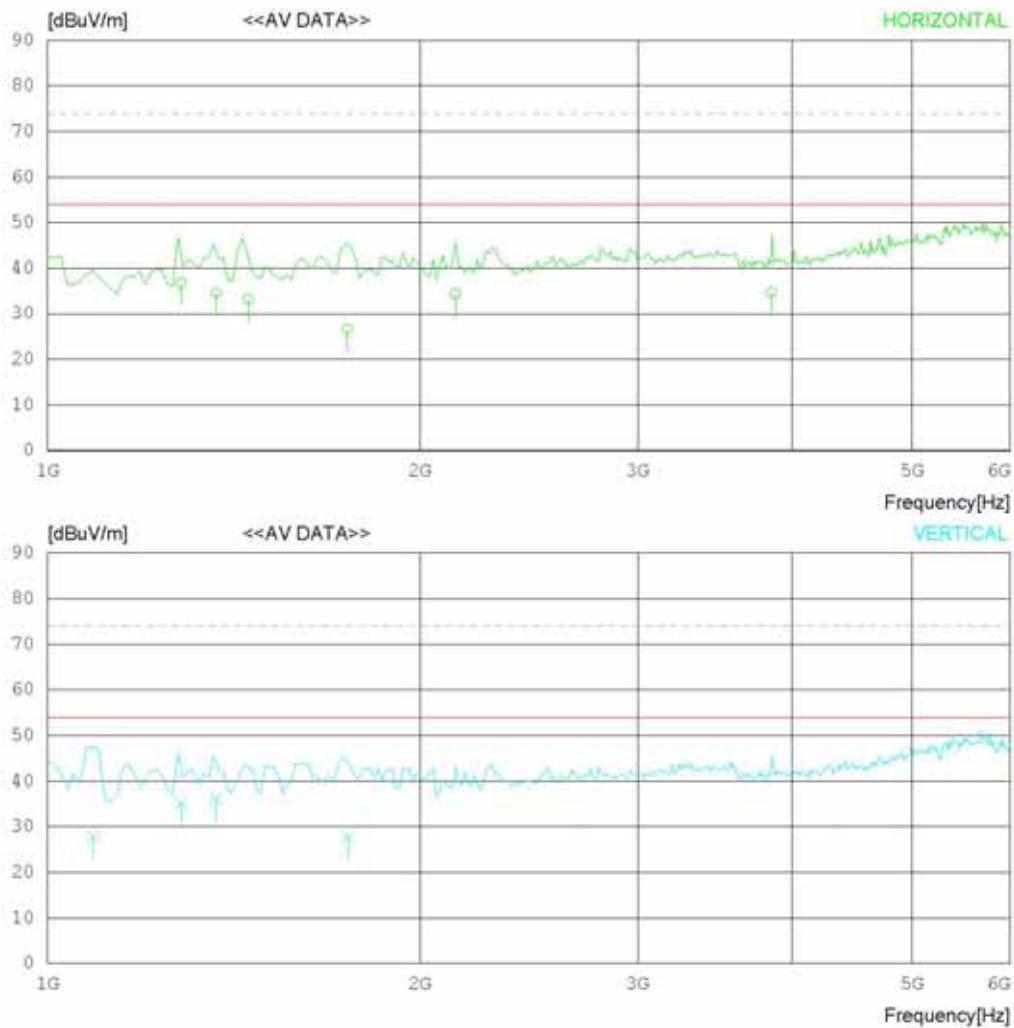
Date : 2012-01-17

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 21 °C 34 % 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 : 2012-01-17

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 21 °C 34 % 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	1282.500	48.6	24.5	5.5	41.9	36.7	54.0	17.3	100	358
2	1367.900	46.0	24.7	5.7	41.9	34.5	54.0	19.5	100	211
3	1453.500	44.3	25.0	5.8	41.9	33.2	54.0	20.8	100	358
4	1747.000	36.8	25.2	6.5	41.9	26.6	54.0	27.4	100	235
5	2137.288	43.4	25.8	7.2	42.0	34.4	54.0	19.6	100	358
6	3847.500	36.9	29.9	9.8	41.8	34.8	54.0	19.2	100	132
----- Vertical -----										
7	1089.269	40.7	23.9	5.0	41.8	27.8	54.0	26.2	100	183
8	1282.500	47.0	24.5	5.5	41.9	35.1	54.0	18.9	100	1
9	1367.900	47.5	24.7	5.7	41.9	36.0	54.0	18.0	100	203
10	1750.000	38.0	25.2	6.5	42.0	27.7	54.0	26.3	100	165

< USB MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

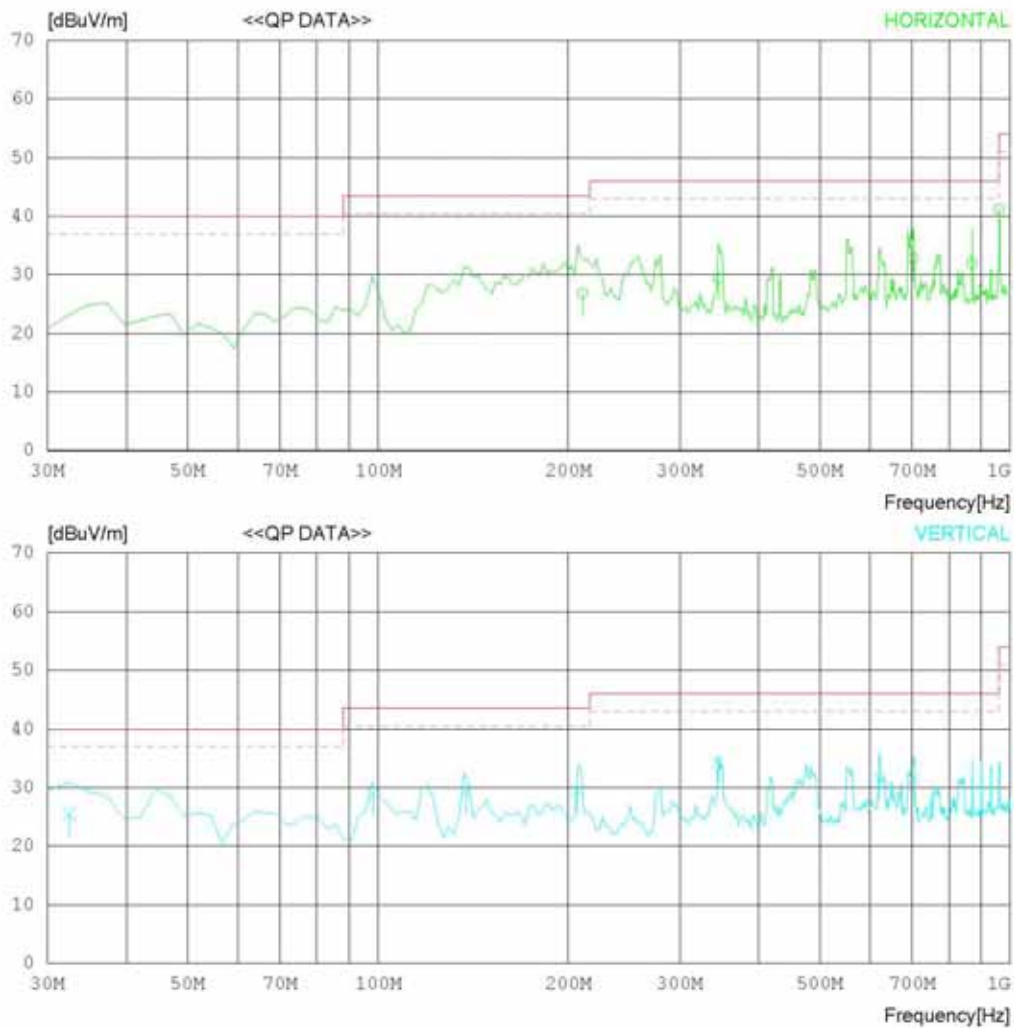
Date : 2012-01-16

Model Name : 26LQ630H-UA
 Model No.
 Serial No.
 Test Condition : USB

Reference No.
 Power Supply : 120V 60Hz
 Temp/Humi : 19 °C 31 % R.H.
 Operator

Memo :

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



RADIATED EMISSION

Date : 2012-01-16

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 19 °C 31 % 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	210.675	37.6	10.4	2.1	23.3	26.8	43.5	16.7	157	240
2	345.250	36.0	14.8	2.7	24.1	29.4	46.0	16.6	100	1
3	701.723	33.6	18.9	4.3	24.0	32.8	46.0	13.2	100	177
4	870.000	30.1	20.6	4.6	23.4	31.9	46.0	14.1	200	98
5	960.000	38.3	21.0	4.9	23.0	41.2	46.0	4.8	200	142
----- Vertical -----										
6	32.425	30.0	17.1	0.9	22.6	25.4	40.0	14.6	100	358
7	98.297	39.6	10.5	1.5	22.7	28.9	43.5	14.6	100	358
8	137.895	39.5	11.1	1.6	23.0	29.2	43.5	14.3	100	358
9	206.825	40.6	10.1	2.1	23.3	29.5	43.5	14.0	100	358
10	344.700	40.9	14.8	2.7	24.1	34.3	46.0	11.7	119	160
11	620.292	33.0	18.8	4.0	24.3	31.5	46.0	14.5	100	358
12	704.148	32.1	19.0	4.3	24.0	31.4	46.0	14.6	199	109

< USB MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

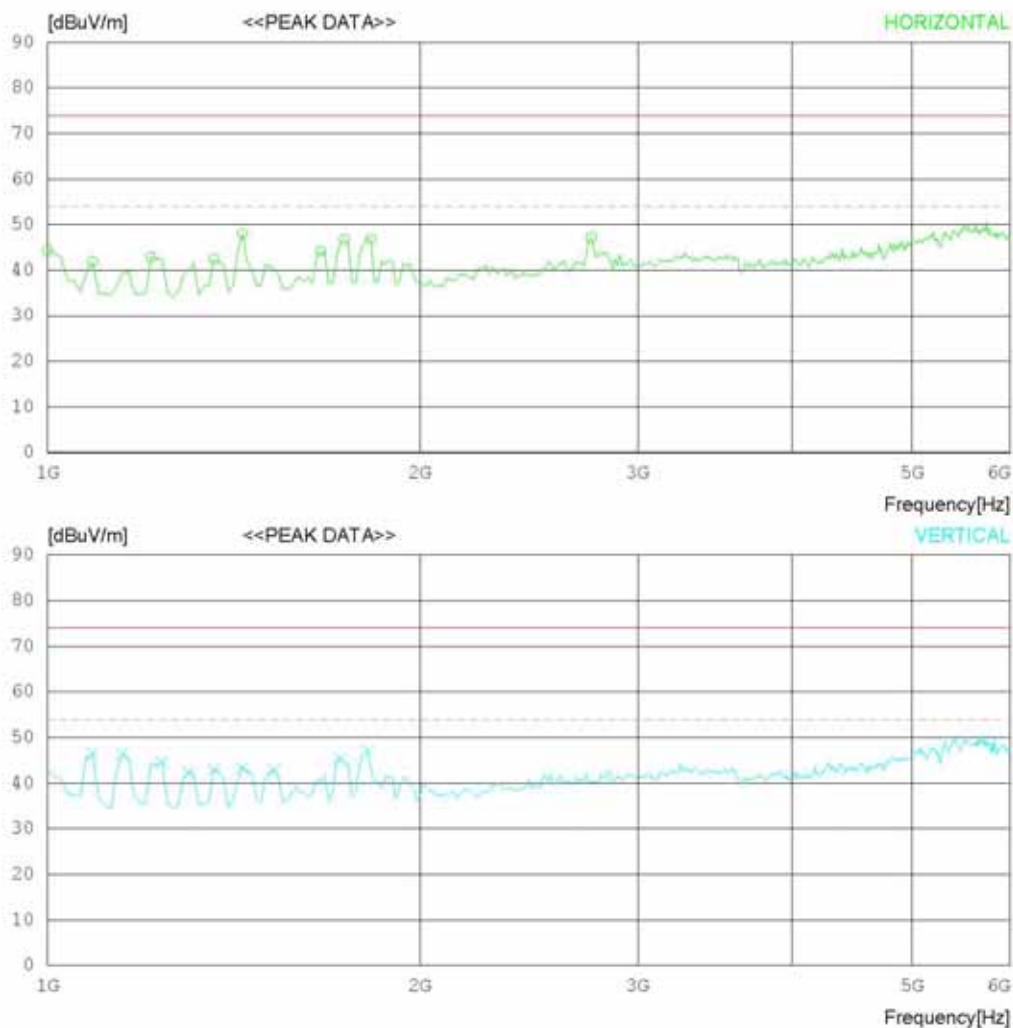
Date : 2012-01-17

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 21 °C 34 % 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 : 2012-01-17

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 21 °C 34 % 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	1000.000	57.8	23.6	4.8	41.8	44.4	74.0	29.6	100	176
2	1087.500	54.8	23.9	5.0	41.8	41.9	74.0	32.1	100	358
3	1212.500	55.1	24.3	5.3	41.8	42.9	74.0	31.1	100	358
4	1362.500	54.1	24.7	5.6	41.9	42.5	74.0	31.5	100	127
5	1437.500	59.1	25.0	5.8	41.9	48.0	74.0	26	100	358
6	1662.500	54.6	25.2	6.3	41.9	44.2	74.0	29.8	100	358
7	1737.500	57.0	25.2	6.5	41.9	46.8	74.0	27.2	100	236
8	1825.000	57.1	25.2	6.6	42.0	46.9	74.0	27.1	100	236
9	2750.000	52.8	28.1	8.3	42.1	47.1	74.0	26.9	100	238
----- Vertical -----										
10	1087.500	59.3	23.9	5.0	41.8	46.4	74.0	27.6	100	1
11	1150.000	58.8	24.1	5.2	41.8	46.3	74.0	27.7	100	174
12	1237.500	56.6	24.3	5.4	41.8	44.5	74.0	29.5	100	167
13	1300.000	54.3	24.5	5.5	41.9	42.4	74.0	31.6	100	1
14	1362.500	54.5	24.7	5.6	41.9	42.9	74.0	31.1	100	183
15	1437.500	54.5	25.0	5.8	41.9	43.4	74.0	30.6	100	223
16	1525.000	53.7	25.1	6.0	41.9	42.9	74.0	31.1	100	174
17	1725.000	55.6	25.2	6.4	41.9	45.3	74.0	28.7	100	1
18	1812.500	57.2	25.2	6.6	42.0	47.0	74.0	27	100	208

< USB MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

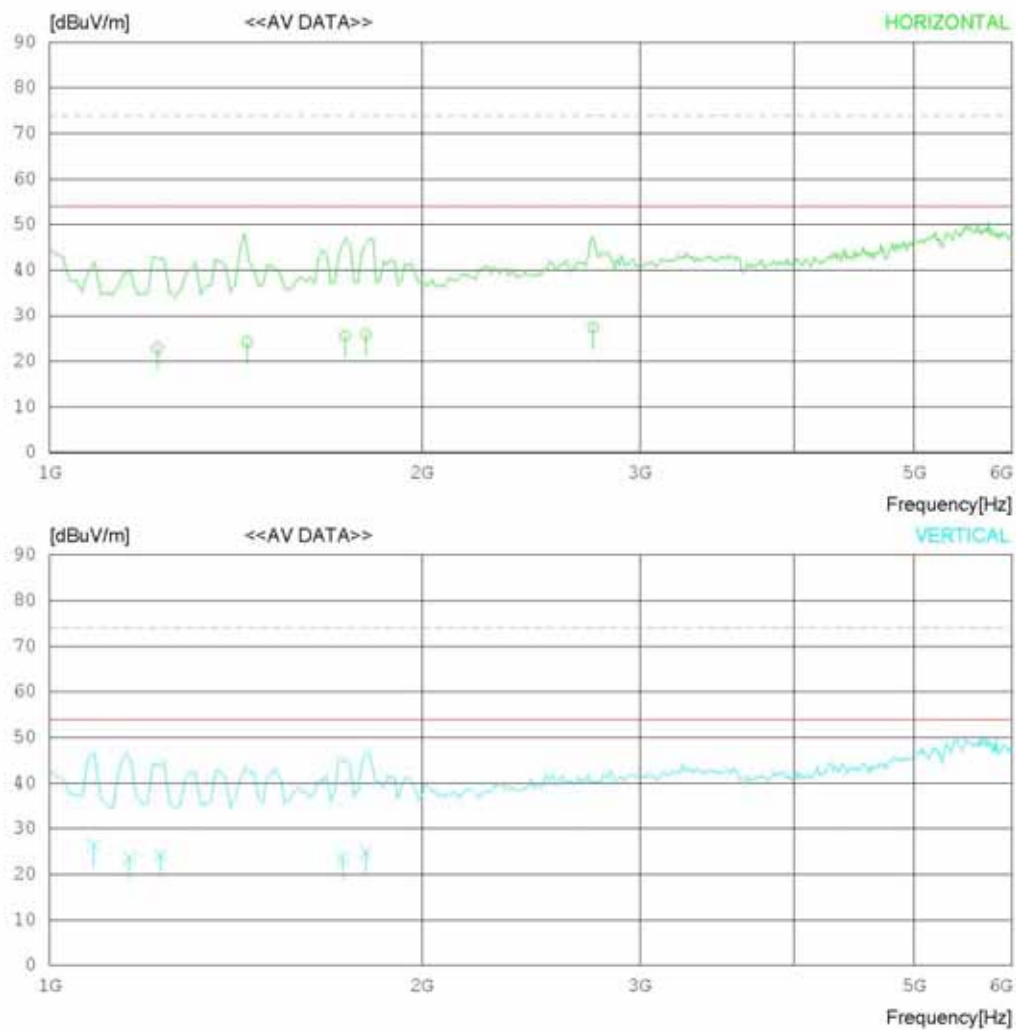
Date : 2012-01-17

Model Name : 26LQ630H-UA
 Model No. :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 21 °C 34 % 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 : 2012-01-17

Model Name : 26LQ630H-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 21 °C 34 % 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 [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	1223.000	35.1	24.3	5.3	41.8	22.9	54.0	31.1	100	358
2	1444.500	35.3	25.0	5.8	41.9	24.2	54.0	29.8	100	358
3	1733.000	35.9	25.2	6.4	41.9	25.6	54.0	28.4	100	236
4	1801.000	36.1	25.2	6.6	42.0	25.9	54.0	28.1	100	236
5	2750.000	33.1	28.1	8.3	42.1	27.4	54.0	26.6	100	238
----- Vertical -----										
6	1086.000	39.4	23.9	5.0	41.8	26.5	54.0	27.5	100	1
7	1161.000	36.1	24.1	5.2	41.8	23.6	54.0	30.4	100	174
8	1230.000	36.4	24.3	5.3	41.8	24.2	54.0	29.8	100	167
9	1725.000	33.9	25.2	6.4	41.9	23.6	54.0	30.4	100	1
10	1802.500	35.1	25.2	6.6	42.0	24.9	54.0	29.1	100	208

Appendix 1

List of Test and Measurement Instruments

1. Conducted Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
☐ SPECTRUM ANALYZER	8591E	H/P	3649A05889	2011.03.07	2012.03.07
☐ 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	2011.07.01	2012.07.01
☐ 50 OHM TERMINATOR	CT-01	TME	N/A	2012.01.09	2013.01.09
☒ EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2011.03.08	2012.03.08
☒ 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	CBL6112B	SCHAFFNER	2737	2010.07.14	2012.07.14
☒ HORN ANTENNA	BBHA9120A	SCHWARZBECK	322	2010.04.13	2012.04.13
☒ 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	2011.07.01	2012.07.01
☐ 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	2011.03.08	2012.03.08
☐ 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	2011.03.07	2012.03.07