

EMC TEST REPORT

Test item : LED TV Monitor
Model No. : 60LN549E-UA
Order No. : DEMC1306-01790
Date of receipt : 2013-06-07
Test duration : 2013-06-15
Use of report : FCC CoC Marking
Date of Issue : 2013-06-17

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

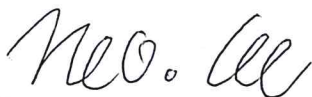
Test specification : ANSI C 63.4:2003
FCC Part 15 Subpart B
(Type of Device : Class B Personal Computers
and Peripherals (JBP))

Test environment : Temperature : (24 ~ 25) °C,
Humidity : (33 ~ 40) % R.H.

Test result : ☒ Comply ☐ Not Comply

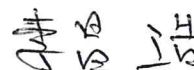
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Tested by:



Assistant Manager
SangWon Lee

Reviewed by:



Technical Manager
ChangHo Lee

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	ROK1221C	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.	60LN549E-UA
EUT Type	LED TV Monitor
Serial No	NONE
FCC ID	BEJ60LN549EUA
Type of Sample Tested	Pre-Production
High Frequency	800 MHz
Rating	AC 100-240 V~ 50/60 Hz, 2.0 A
Supplied Power for Test	AC 120 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

HDMI (PC) supported mode

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
720 x 400	31.46	70.08
640 x 480	31.46	59.94
800 x 600	37.87	60.31
1024 x 768	48.36	60.00
1360 x 768	47.71	60.01
1280 x 1024	63.98	60.02
1920 x 1080	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.)
Conducted Disturbance	06-15	25	40
Radiated Disturbance	06-15	24	33

4.3 Test result Summary

(1) Conducted Emission (DSUB MODE)

Frequency [MHz]	Phase	Result [dB μ V]	Detector	Limit [dB μ V]	Margin [Db]
0.63396	L	34.2	Average	46.0	11.8

(2) Radiated Emission (HDMI MODE)

Frequency [MHz]	Pol.	Result [dB(μ V/m)]	Detector	Limit [dB(μ V/m)]	Margin [dB]
2970.038	H	50.5	Average	54.0	3.5

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 : 'H' characters scroll on the LCD TV screen
- HDMI MODE : 'H' Pattern mode, 1920x1080 Resolution
- USB MODE : USB recorded file play

5.3 Support Equipment Used

Unit	Model No.	Serial No.	Manufacturer	CABLE				Backshell	FCC ID
				Connect type	Length (m)	ferrite core	shield		
PC	VOSTRO460	6J7JXBX	DELL INC.	POWER	1.8	Not use	Non-shield	Plastic	DOC
				HDMI	2.0	Not use	Shield		
				USB	1.8	Not use	Shield		
				USB	1.7	Not use	Shield		
				USB	1.9	Not use	Shield		
				DSUB	1.8	Not use	Shield		
MOUSE	M-UAE96	LZ751AP01L3	LOGITECH Inc.	USB	1.8	Not use	Shield	Plastic	DOC
KEYBOARD	KB-065	CN11163233	HP	USB	1.7	Not use	Shield	Plastic	DOC
CD/DVD PLAYER	DVP-NS92V	2001499	SONY EMCS.	POWER	1.8	Not use	Non-shield	Plastic	VER
				AV	1.7	Not use	Non-shield		
PRINTER	SRP-770	SRP77008060035	BIXOLON	USB	1.9	Not use	Shield	Plastic	DOC
				POWER	1.8	Not use	Non-shield		
Remote Control	AKB73755414	N/A	HANSUNG ELECTRONICS CO. LTD.	-	-	-	-	-	-

6. Test Results : Emission

6.1 Conducted Disturbance

6.1.1 Measurement Procedure

In the range of 0.15 MHz to 30 MHz, 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 0.8 m above the reference ground plane and 0.4 m 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 0.15 m 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 0.15 MHz to 0.5 MHz.				

Note) 1. Emission Level = Reading Value + Correction Factor.

2. Correction Factor = Cable Loss + Insertion Loss of LISN

3. Margin = Limit - Emission level

Test Result

< DSUB MODE >



Results of Conducted Emission

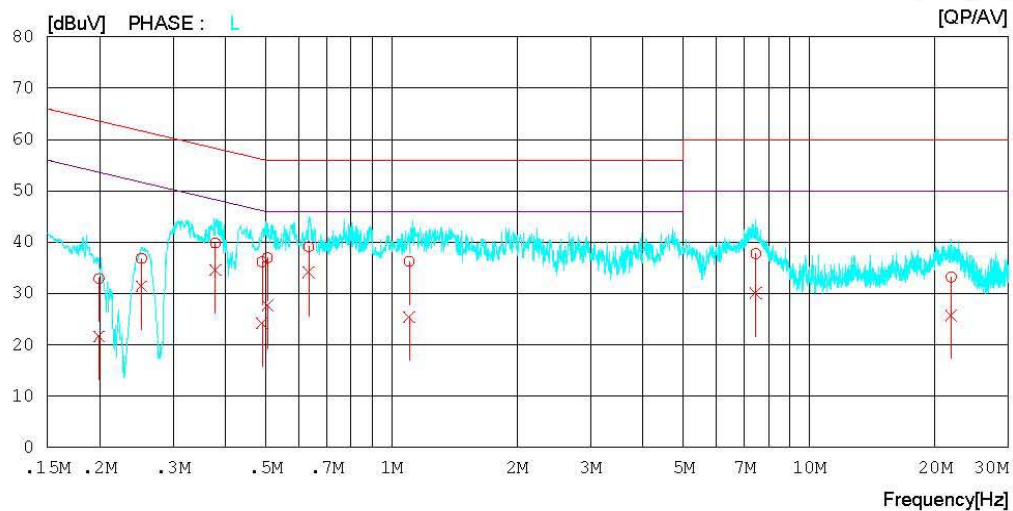
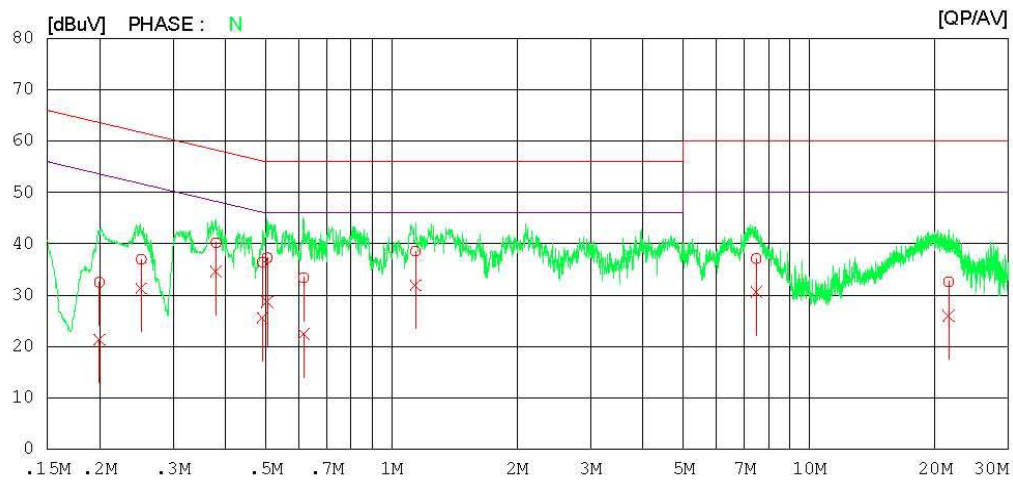
Digital EMC
Date : 2013-06-15

Model No. : 60LN549E-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 40 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2013-06-15

Model No. : 60LN549E-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 40 % 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	0.19968	32.3	21.2	0.2	32.5	21.4	63.6	53.6	31.1	32.2	N
2	0.25186	36.7	31.1	0.2	36.9	31.3	61.7	51.7	24.8	20.4	N
3	0.38033	40.0	34.4	0.2	40.2	34.6	58.3	48.3	18.1	13.7	N
4	0.49095	36.2	25.3	0.2	36.4	25.5	56.2	46.2	19.8	20.7	N
5	0.50418	37.1	28.5	0.2	37.3	28.7	56.0	46.0	18.7	17.3	N
6	0.61640	33.2	22.2	0.2	33.4	22.4	56.0	46.0	22.6	23.6	N
7	1.14200	38.3	31.6	0.3	38.6	31.9	56.0	46.0	17.4	14.1	N
8	7.46750	36.6	30.1	0.5	37.1	30.6	60.0	50.0	22.9	19.4	N
9	21.55600	31.7	25.1	0.9	32.6	26.0	60.0	50.0	27.4	24.0	N
10	0.19950	32.8	21.5	0.2	33.0	21.7	63.6	53.6	30.6	31.9	L
11	0.25209	36.7	31.2	0.2	36.9	31.4	61.7	51.7	24.8	20.3	L
12	0.37864	39.6	34.4	0.2	39.8	34.6	58.3	48.3	18.5	13.7	L
13	0.49008	36.0	24.0	0.2	36.2	24.2	56.2	46.2	20.0	22.0	L
14	0.50481	36.8	27.5	0.2	37.0	27.7	56.0	46.0	19.0	18.3	L
15	0.63396	38.9	34.0	0.2	39.1	34.2	56.0	46.0	16.9	11.8	L
16	1.10200	36.0	25.2	0.3	36.3	25.5	56.0	46.0	19.7	20.5	L
17	7.44800	37.3	29.6	0.5	37.8	30.1	60.0	50.0	22.2	19.9	L
18	21.88450	32.3	24.9	0.9	33.2	25.8	60.0	50.0	26.8	24.2	L

< HDMI MODE >



Results of Conducted Emission

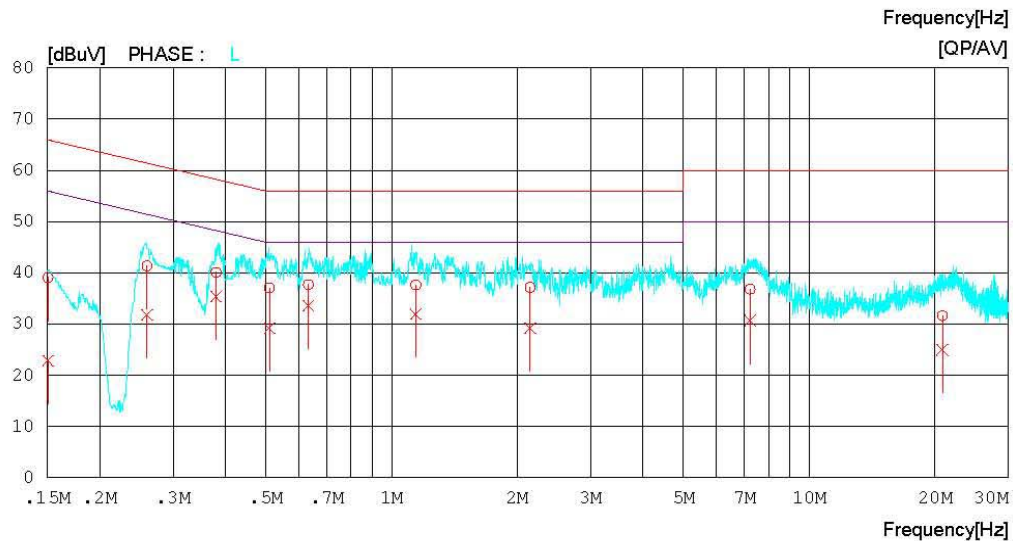
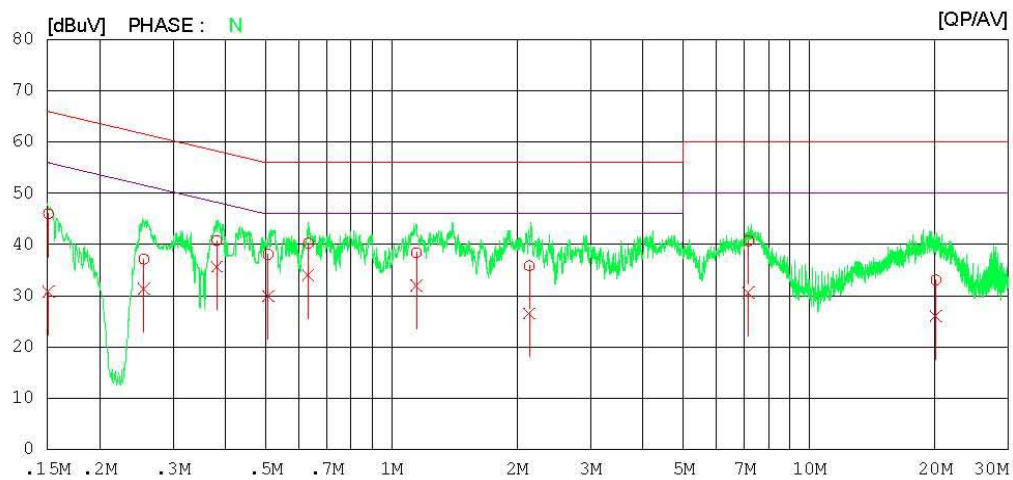
Digital EMC
Date : 2013-06-15

Model No. : 60LN549E-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 40 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2013-06-15

Model No. : 60LN549E-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 40 % 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	0.15103	45.8	30.6	0.2	46.0	30.8	65.9	55.9	19.9	25.1	N
2	0.25550	36.9	31.2	0.2	37.1	31.4	61.6	51.6	24.5	20.2	N
3	0.38211	40.6	35.5	0.2	40.8	35.7	58.2	48.2	17.4	12.5	N
4	0.50668	37.9	29.7	0.2	38.1	29.9	56.0	46.0	17.9	16.1	N
5	0.63230	40.0	33.8	0.2	40.2	34.0	56.0	46.0	15.8	12.0	N
6	1.14750	38.1	31.7	0.3	38.4	32.0	56.0	46.0	17.6	14.0	N
7	2.13750	35.6	26.2	0.3	35.9	26.5	56.0	46.0	20.1	19.5	N
8	7.15900	40.2	30.1	0.5	40.7	30.6	60.0	50.0	19.3	19.4	N
9	20.11500	32.2	25.1	0.9	33.1	26.0	60.0	50.0	26.9	24.0	N
10	0.15061	38.9	22.7	0.2	39.1	22.9	66.0	56.0	26.9	33.1	L
11	0.25974	41.1	31.6	0.2	41.3	31.8	61.4	51.4	20.1	19.6	L
12	0.38019	39.9	35.2	0.2	40.1	35.4	58.3	48.3	18.2	12.9	L
13	0.51075	36.8	29.0	0.2	37.0	29.2	56.0	46.0	19.0	16.8	L
14	0.63250	37.5	33.4	0.2	37.7	33.6	56.0	46.0	18.3	12.4	L
15	1.14350	37.3	31.7	0.3	37.6	32.0	56.0	46.0	18.4	14.0	L
16	2.14900	36.9	28.9	0.3	37.2	29.2	56.0	46.0	18.8	16.8	L
17	7.22400	36.3	30.2	0.5	36.8	30.7	60.0	50.0	23.2	19.3	L
18	20.86100	30.7	24.1	0.9	31.6	25.0	60.0	50.0	28.4	25.0	L

< USB MODE >



Results of Conducted Emission

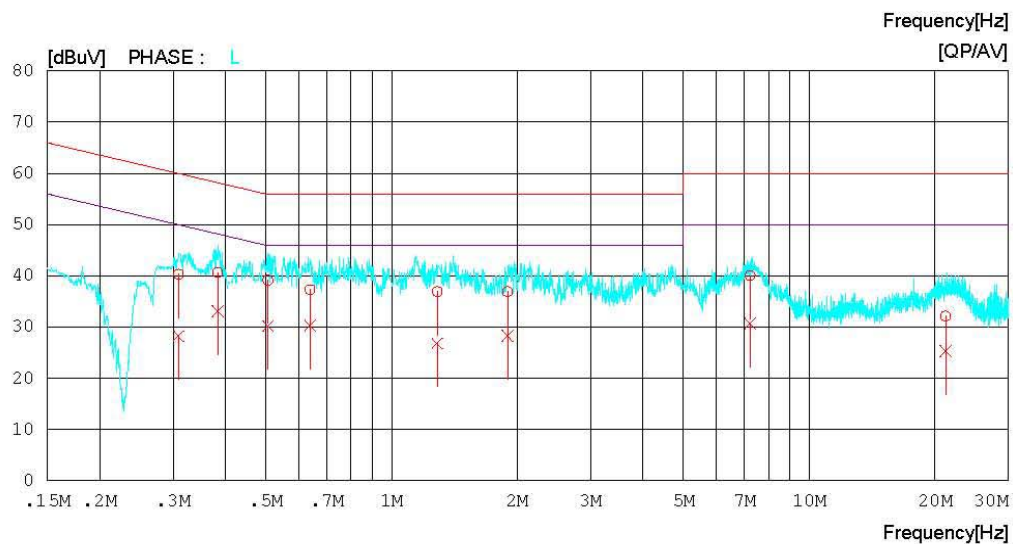
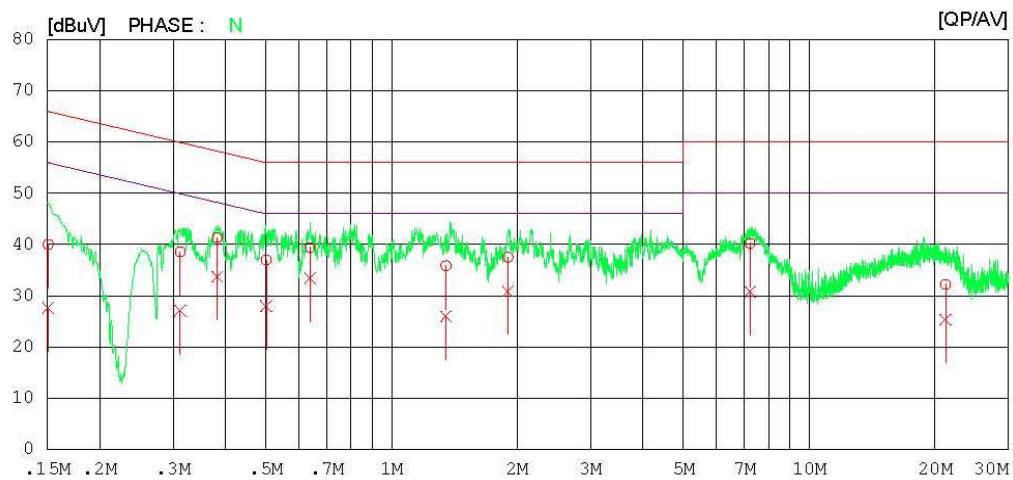
Digital EMC
Date : 2013-06-15

Model No. : 60LN549E-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 40 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2013-06-15

Model No. : 60LN549E-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 40 % 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	0.15071	39.8	27.4	0.2	40.0	27.6	66.0	56.0	26.0	28.4	N
2	0.31199	38.3	26.8	0.2	38.5	27.0	59.9	49.9	21.4	22.9	N
3	0.38273	41.1	33.5	0.2	41.3	33.7	58.2	48.2	16.9	14.5	N
4	0.50150	36.8	27.8	0.2	37.0	28.0	56.0	46.0	19.0	18.0	N
5	0.63838	39.2	33.2	0.2	39.4	33.4	56.0	46.0	16.6	12.6	N
6	1.35050	35.5	25.6	0.3	35.8	25.9	56.0	46.0	20.2	20.1	N
7	1.90000	37.2	30.6	0.3	37.5	30.9	56.0	46.0	18.5	15.1	N
8	7.21950	39.7	30.3	0.5	40.2	30.8	60.0	50.0	19.8	19.2	N
9	21.20700	31.3	24.4	0.9	32.2	25.3	60.0	50.0	27.8	24.7	N
10	0.30920	40.1	28.0	0.2	40.3	28.2	60.0	50.0	19.7	21.8	L
11	0.38383	40.4	32.9	0.2	40.6	33.1	58.2	48.2	17.6	15.1	L
12	0.50610	38.9	30.0	0.2	39.1	30.2	56.0	46.0	16.9	15.8	L
13	0.63843	37.1	30.1	0.2	37.3	30.3	56.0	46.0	18.7	15.7	L
14	1.28750	36.6	26.5	0.3	36.9	26.8	56.0	46.0	19.1	19.2	L
15	1.89650	36.7	28.0	0.3	37.0	28.3	56.0	46.0	19.0	17.7	L
16	7.22100	39.6	30.2	0.5	40.1	30.7	60.0	50.0	19.9	19.3	L
17	21.20750	31.3	24.4	0.9	32.2	25.3	60.0	50.0	27.8	24.7	L

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 0.8 m above the reference ground plane and 3 m or 10 m 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 0.15 m above the reference ground plane.

Rotate the EUT from (0 - 360)° and position the receiving antenna at heights from (1 - 4) m 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 1 GHz frequency range, Quasi-Peak detector with 120 kHz RBW was used.

Also Peak and Average detector with 1 MHz RBW were used for above 1 GHz 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	1 000
108 – 500	2 000
500 – 1 000	5 000
Above 1 000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

(1) Limit for Radiated Emission below 1 000MHz

Frequency range (MHz)	Class A Equipment (10 m distance)	Class B Equipment (3 m distance)
	Quasi-peak (dBμV/m)	Quasi-peak (dBμV/m)
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 1 000	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 (10 m distance)	Class B Equipment (10 m distance)
	Quasi-peak (dBμV/m)	Quasi-peak (dBμV/m)
30 to 230	40	30
230 to 1 000	47	37

(2) Limits for Radiated Emission above 1 000MHz at a measuring distance of 3 m

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

Note) 1. Emission Level = Reading Value + Correction Factor.

2. Correction Factor = Cable loss - Amp gain + Antenna Factor

3. Margin = Limit - Emission level

Test Result

< DSUB MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

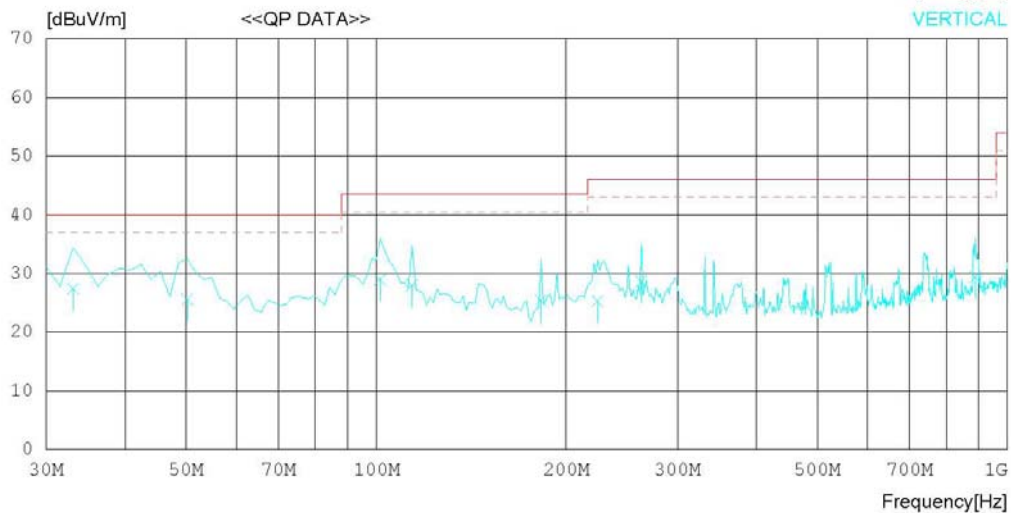
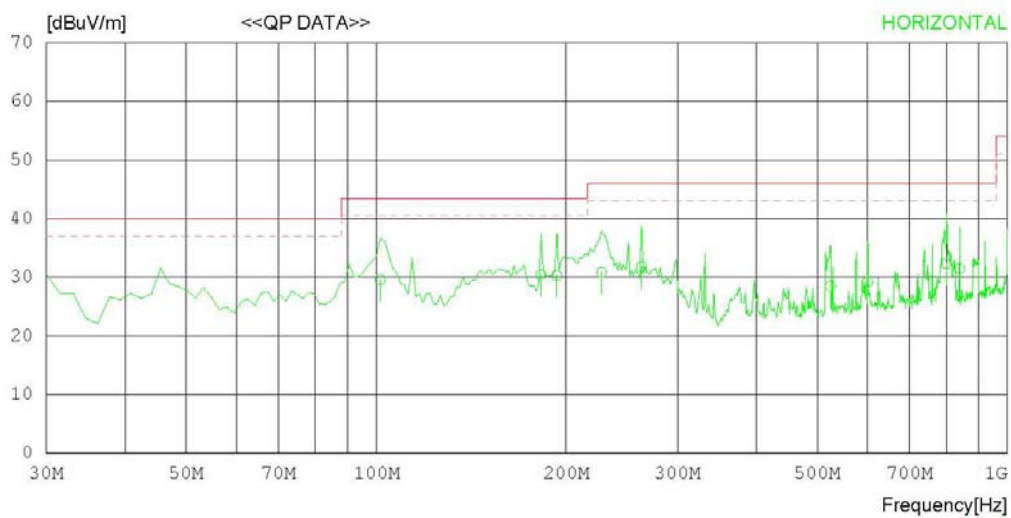
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 24 °C 33 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2013-06-15

Model Name	: 60LN549E-UA	Reference No.	:
Model No.	:	Power Supply	: 120 V 60 Hz
Serial No.	:	Temp/Humi	: 24 °C 33 % 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	101.507	41.6	10.7	1.4	24.1	29.6	43.5	13.9	233	358
2	182.340	42.5	9.7	2.2	24.0	30.4	43.5	13.1	121	32
3	193.221	42.4	9.7	2.2	24.0	30.3	43.5	13.2	165	23
4	227.420	40.9	11.3	2.5	23.9	30.8	46.0	15.2	122	12
5	263.173	39.9	13.0	2.6	23.7	31.8	46.0	14.2	133	65
6	524.325	29.9	17.7	3.9	23.0	28.5	46.0	17.5	166	228
7	600.496	29.2	18.7	4.2	22.9	29.2	46.0	16.8	174	144
8	801.027	30.3	20.0	4.8	22.8	32.3	46.0	13.7	156	65
9	839.890	29.2	20.3	4.8	22.8	31.5	46.0	14.5	106	77
----- Vertical -----										
10	33.109	34.0	16.3	1.0	23.9	27.4	40.0	12.6	123	109
11	50.208	40.3	8.3	1.4	24.4	25.6	40.0	14.4	112	159
12	101.507	41.0	10.7	1.4	24.1	29.0	43.5	14.5	145	233
13	113.942	39.3	11.3	1.5	24.1	28.0	43.5	15.5	184	331
14	182.340	37.5	9.7	2.2	24.0	25.4	43.5	18.1	106	345
15	224.311	35.6	11.2	2.4	23.9	25.3	46.0	20.7	144	43
16	263.173	36.7	13.0	2.6	23.7	28.6	46.0	17.4	169	358
17	889.634	26.3	20.7	5.2	22.8	29.4	46.0	16.6	100	191

< DSUB MODE _ (1 ~ 6) GHz _ Peak >

RADIATED EMISSION

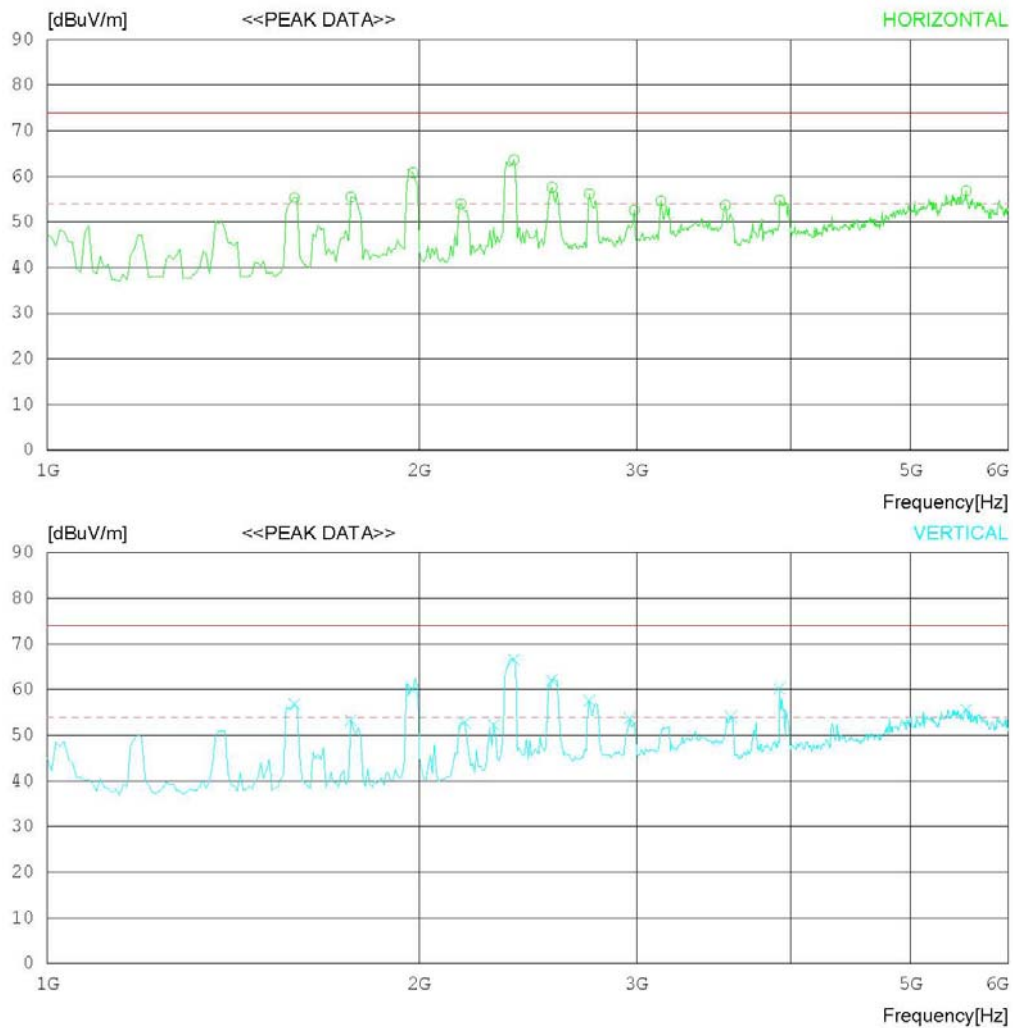
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % 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 : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % R. H.
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	1584.936	51.5	24.6	7.7	28.5	55.3	74.0	18.7	100	157
2	1761.218	51.4	24.6	8.0	28.5	55.5	74.0	18.5	100	358
3	1977.564	56.3	24.6	8.4	28.5	60.8	74.0	13.2	100	198
4	2161.860	48.2	25.5	8.8	28.5	54.0	74.0	20	100	207
5	2386.223	56.0	26.8	9.3	28.5	63.6	74.0	10.4	100	358
6	2562.507	48.7	27.6	9.7	28.4	57.6	74.0	16.4	100	201
7	2746.805	46.4	28.2	10.0	28.4	56.2	74.0	17.8	100	358
8	2987.193	41.6	28.9	10.5	28.4	52.6	74.0	21.4	100	358
9	3139.439	43.2	29.0	10.8	28.4	54.6	74.0	19.4	100	178
10	3540.086	41.2	29.0	11.8	28.3	53.7	74.0	20.3	100	358
11	3916.694	40.5	29.9	12.7	28.3	54.8	74.0	19.2	100	203
12	5543.277	35.3	34.8	14.9	28.2	56.8	74.0	17.2	100	358
----- Vertical -----										
13	1584.936	53.0	24.6	7.7	28.5	56.8	74.0	17.2	100	181
14	1761.218	49.2	24.6	8.0	28.5	53.3	74.0	20.7	100	123
15	1977.564	55.5	24.6	8.4	28.5	60.0	74.0	14	100	187
16	2177.886	46.9	25.6	8.8	28.5	52.8	74.0	21.2	100	163
17	2298.080	45.4	26.3	9.1	28.5	52.3	74.0	21.7	100	187
18	2386.223	59.0	26.8	9.3	28.5	66.6	74.0	7.4	100	1
19	2562.507	53.2	27.6	9.7	28.4	62.1	74.0	11.9	100	1
20	2746.805	47.8	28.2	10.0	28.4	57.6	74.0	16.4	100	1
21	2963.154	42.8	28.9	10.4	28.4	53.7	74.0	20.3	100	201
22	3580.151	41.4	29.1	11.9	28.3	54.1	74.0	19.9	100	216
23	3916.694	45.9	29.9	12.7	28.3	60.2	74.0	13.8	100	167
24	5543.277	34.2	34.8	14.9	28.2	55.7	74.0	18.3	100	70

< DSUB MODE _ (1 ~ 6) GHz _ Average >

RADIATED EMISSION

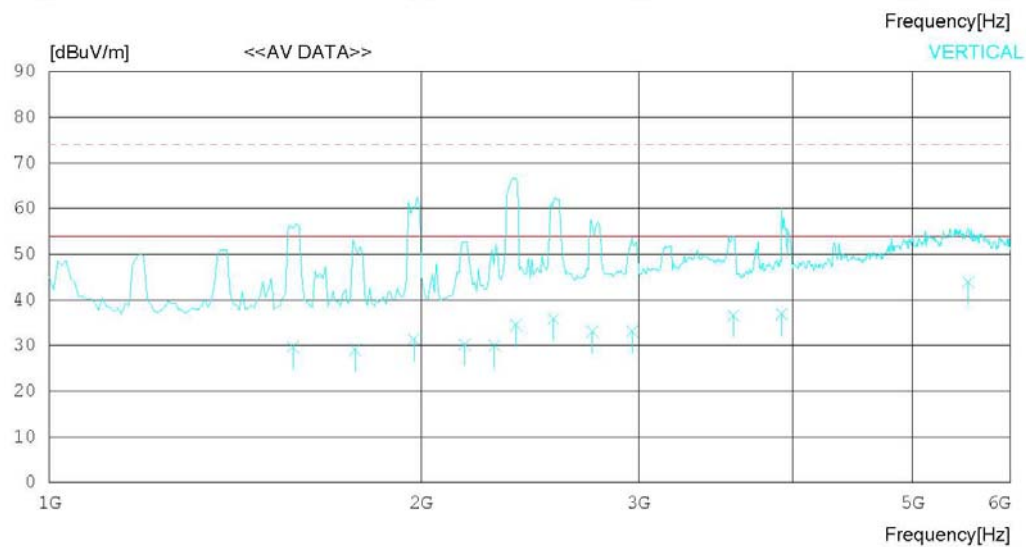
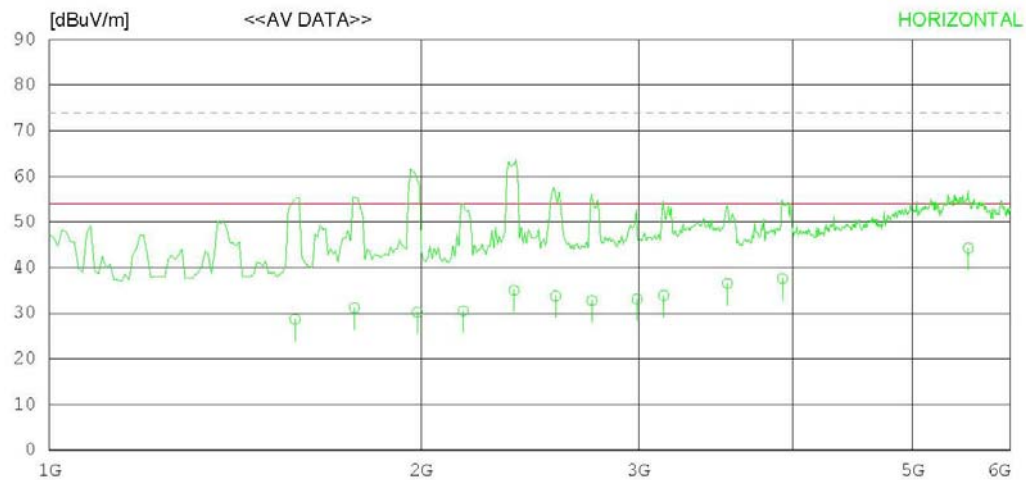
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % 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 : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % R. H.
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	1581.212	24.9	24.6	7.7	28.5	28.7	54.0	25.3	100	157
2	1766.448	27.1	24.6	8.0	28.5	31.2	54.0	22.8	100	52
3	1985.269	25.7	24.6	8.4	28.5	30.2	54.0	23.8	100	198
4	2163.350	24.7	25.5	8.8	28.5	30.5	54.0	23.5	100	207
5	2378.115	27.5	26.7	9.3	28.5	35.0	54.0	19.0	100	358
6	2569.308	24.8	27.7	9.7	28.4	33.8	54.0	20.2	100	201
7	2750.060	23.0	28.2	10.0	28.4	32.8	54.0	21.2	100	358
8	2991.552	22.0	29.0	10.5	28.4	33.1	54.0	20.9	129	358
9	3143.872	22.4	29.0	10.9	28.4	33.9	54.0	20.1	100	178
10	3540.641	24.1	29.0	11.8	28.3	36.6	54.0	17.4	100	25
11	3922.859	23.2	30.0	12.7	28.3	37.6	54.0	16.4	100	203
12	5546.985	22.8	34.8	14.9	28.2	44.3	54.0	9.7	100	48
----- Vertical -----										
13	1574.096	26.0	24.6	7.6	28.5	29.7	54.0	24.3	100	181
14	1769.077	25.0	24.6	8.0	28.5	29.1	54.0	24.9	100	123
15	1974.212	26.9	24.6	8.4	28.5	31.4	54.0	22.6	100	187
16	2169.660	24.5	25.5	8.8	28.5	30.3	54.0	23.7	100	163
17	2293.962	23.2	26.3	9.1	28.5	30.1	54.0	23.9	100	187
18	2387.090	26.9	26.8	9.3	28.5	34.5	54.0	19.5	127	28
19	2560.942	27.0	27.6	9.7	28.4	35.9	54.0	18.1	100	199
20	2752.058	23.3	28.2	10.0	28.4	33.1	54.0	20.9	100	342
21	2965.115	22.2	28.9	10.4	28.4	33.1	54.0	20.9	100	201
22	3582.435	23.9	29.1	11.9	28.3	36.6	54.0	17.4	100	216
23	3916.609	22.6	29.9	12.7	28.3	36.9	54.0	17.1	115	167
24	5547.518	22.4	34.8	14.9	28.2	43.9	54.0	10.1	100	70

< HDMI MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

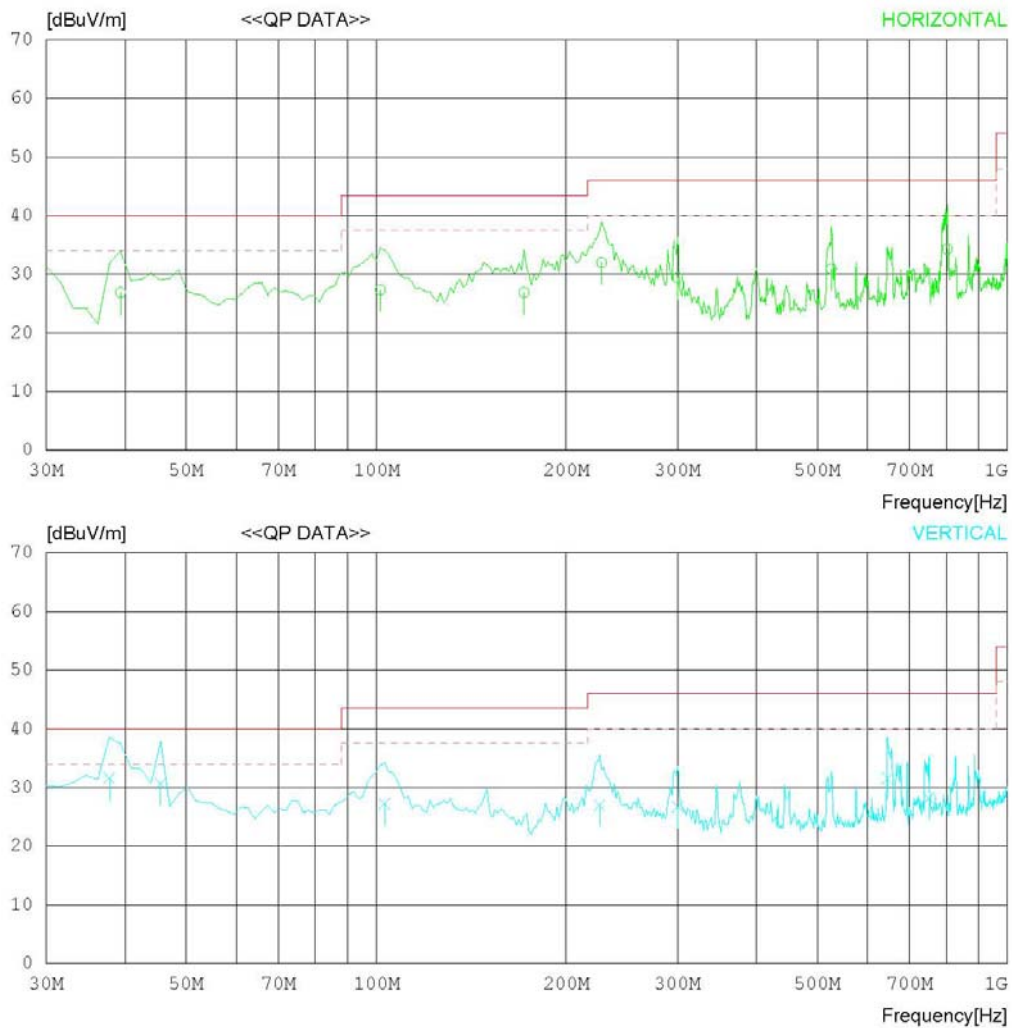
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 24 °C 33 % R.H.
Operator :

Memo :

LIMIT : FCC Part15 Subpart.B Class B (3m)
MARGIN: 6 dB



RADIATED EMISSION

Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 24 °C 33 % R.H.
Operator :

Memo :

LIMIT : FCC Part15 Subpart B Class B (3m)
MARGIN: 6 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	39.327	36.7	13.2	1.1	24.1	26.9	40.0	13.1	145	202
2	101.507	39.3	10.7	1.4	24.1	27.3	43.5	16.2	184	138
3	171.459	39.1	9.9	2.0	24.1	26.9	43.5	16.6	400	21
4	227.420	42.1	11.3	2.5	23.9	32.0	46.0	14.0	123	219
5	300.481	36.4	13.8	2.8	23.6	29.4	46.0	16.6	185	233
6	525.880	32.3	17.7	3.9	23.0	30.9	46.0	15.1	165	45
7	802.581	32.3	20.0	4.8	22.8	34.3	46.0	11.7	100	217
----- Vertical -----										
8	37.772	40.7	13.9	1.1	24.1	31.6	40.0	8.4	122	185
9	45.545	40.6	13.3	1.1	24.3	30.7	40.0	9.3	344	241
10	103.061	39.1	10.8	1.4	24.1	27.2	43.5	16.3	124	358
11	225.866	37.3	11.2	2.4	23.9	27.0	46.0	19.0	232	162
12	300.481	33.7	13.8	2.8	23.6	26.7	46.0	19.3	245	42
13	645.577	31.7	18.6	4.2	22.9	31.6	46.0	14.4	100	358
14	751.283	27.1	19.3	4.6	22.8	28.2	46.0	17.8	100	165

< HDMI MODE _ (1 ~ 6) GHz _ Peak >

RADIATED EMISSION

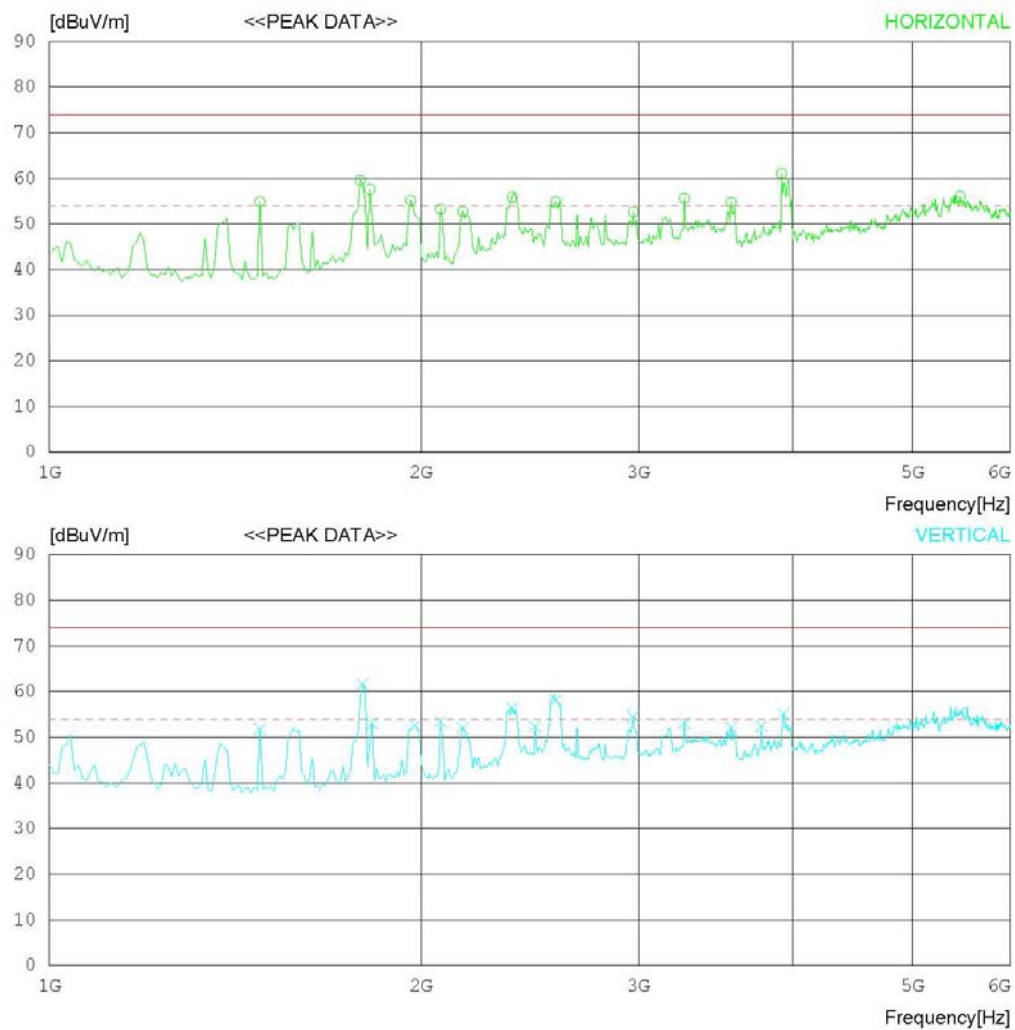
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % 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 : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % R. H.
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	1480.769	51.4	24.6	7.4	28.5	54.9	74.0	19.1	100	218
2	1785.256	55.5	24.6	8.0	28.5	59.6	74.0	14.4	100	1
3	1817.307	53.4	24.6	8.1	28.5	57.6	74.0	16.4	100	187
4	1961.538	50.7	24.6	8.4	28.5	55.2	74.0	18.8	100	211
5	2073.718	48.2	25.0	8.6	28.5	53.3	74.0	20.7	100	242
6	2161.860	47.0	25.5	8.8	28.5	52.8	74.0	21.2	100	1
7	2370.197	48.4	26.7	9.3	28.5	55.9	74.0	18.1	100	161
8	2570.520	45.9	27.7	9.7	28.4	54.9	74.0	19.1	100	199
9	2971.167	41.7	28.9	10.5	28.4	52.7	74.0	21.3	100	183
10	3267.646	44.1	28.9	11.1	28.4	55.7	74.0	18.3	100	223
11	3564.125	42.2	29.0	11.9	28.3	54.8	74.0	19.2	100	1
12	3916.694	46.8	29.9	12.7	28.3	61.1	74.0	12.9	100	1
13	5463.150	34.4	34.9	14.9	28.1	56.1	74.0	17.9	100	1
----- Vertical -----										
14	1480.769	48.4	24.6	7.4	28.5	51.9	74.0	22.1	100	197
15	1793.269	57.4	24.6	8.1	28.5	61.6	74.0	12.4	100	148
16	1825.320	48.8	24.6	8.1	28.5	53.0	74.0	21	100	239
17	1977.564	48.2	24.6	8.4	28.5	52.7	74.0	21.3	100	358
18	2073.718	48.4	25.0	8.6	28.5	53.5	74.0	20.5	100	116
19	2161.860	46.2	25.5	8.8	28.5	52.0	74.0	22	100	199
20	2370.197	48.9	26.7	9.3	28.5	56.4	74.0	17.6	100	182
21	2474.365	44.1	27.3	9.5	28.5	52.4	74.0	21.6	100	348
22	2570.520	49.1	27.7	9.7	28.4	58.1	74.0	15.9	100	200
23	2971.167	43.5	28.9	10.5	28.4	54.5	74.0	19.5	100	358
24	3267.646	41.6	28.9	11.1	28.4	53.2	74.0	20.8	100	358
25	3564.125	39.5	29.0	11.9	28.3	52.1	74.0	21.9	100	358
26	3772.461	38.8	29.6	12.4	28.3	52.5	74.0	21.5	100	358
27	3932.720	40.6	30.0	12.8	28.3	55.1	74.0	18.9	100	219
28	5463.150	33.8	34.9	14.9	28.1	55.5	74.0	18.5	100	228

< HDMI MODE _ (1 ~ 6) GHz _ Average >

RADIATED EMISSION

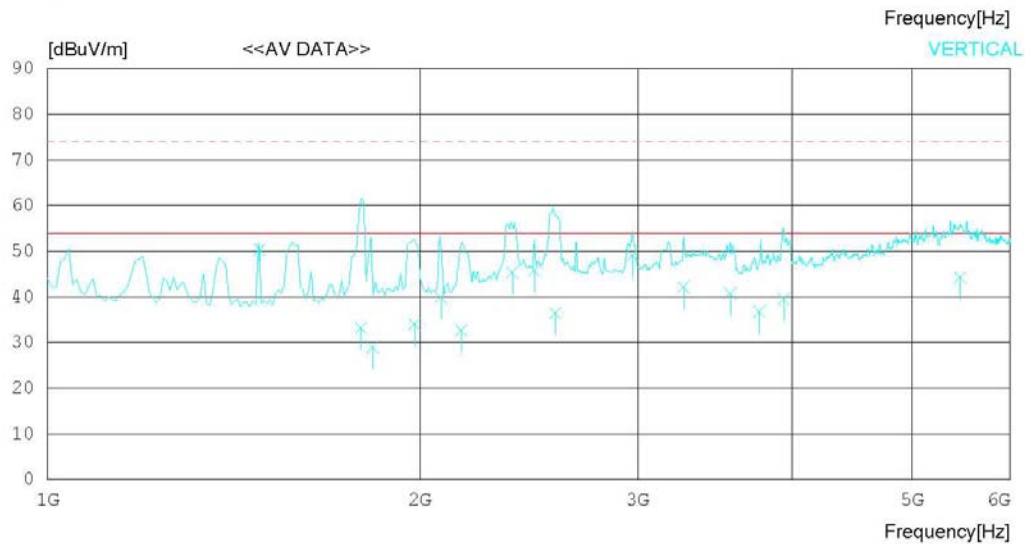
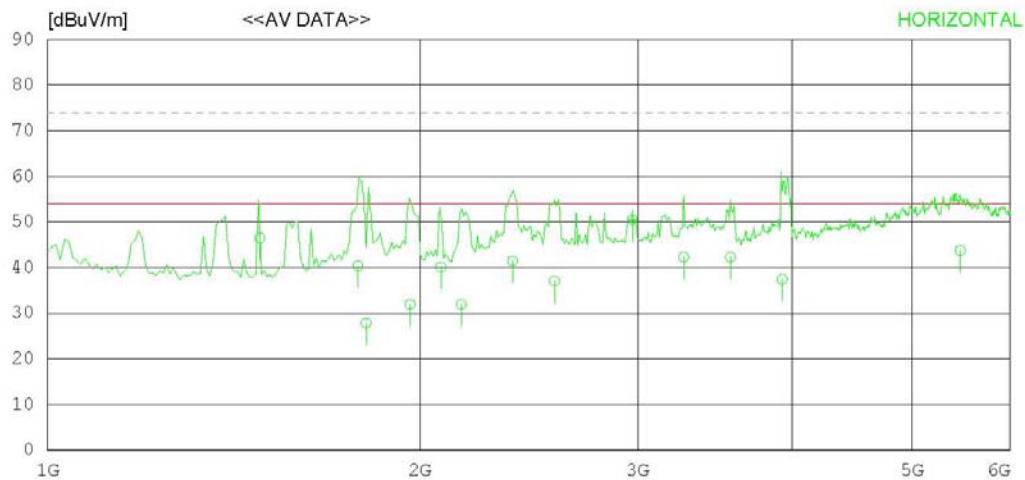
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % 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 : 2013-06-15

Model Name	: 60LN549E-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 24°C 33 % 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	1485.000	43.0	24.6	7.4	28.5	46.5	54.0	7.5	100	218
2	1782.021	36.3	24.6	8.0	28.5	40.4	54.0	13.6	100	55
3	1809.228	23.7	24.6	8.1	28.5	27.9	54.0	26.1	100	187
4	1963.500	27.5	24.6	8.4	28.5	32.0	54.0	22.0	100	211
5	2079.026	35.0	25.0	8.6	28.5	40.1	54.0	13.9	100	242
6	2160.006	26.2	25.5	8.8	28.5	32.0	54.0	22.0	100	200
7	2376.026	34.0	26.7	9.3	28.5	41.5	54.0	12.5	100	161
8	2568.814	28.1	27.7	9.7	28.4	37.1	54.0	16.9	100	199
9	2970.038	39.5	28.9	10.5	28.4	50.5	54.0	3.5	120	183
10	3267.032	30.7	28.9	11.1	28.4	42.3	54.0	11.7	100	223
11	3564.032	29.7	29.0	11.9	28.3	42.3	54.0	11.7	100	32
12	3925.262	23.0	30.0	12.8	28.3	37.5	54.0	16.5	100	200
13	5468.664	22.1	34.9	14.9	28.1	43.8	54.0	10.2	100	55
----- Vertical -----										
14	1485.018	46.9	24.6	7.4	28.5	50.4	54.0	3.6	100	197
15	1793.032	29.0	24.6	8.1	28.5	33.2	54.0	20.8	100	148
16	1831.506	24.8	24.6	8.1	28.5	29.0	54.0	25.0	100	239
17	1980.006	29.5	24.6	8.4	28.5	34.0	54.0	20.0	100	358
18	2078.994	34.8	25.0	8.6	28.5	39.9	54.0	14.1	100	116
19	2160.006	26.9	25.5	8.8	28.5	32.7	54.0	21.3	100	199
20	2376.058	37.9	26.7	9.3	28.5	45.4	54.0	8.6	125	182
21	2475.058	37.5	27.3	9.5	28.5	45.8	54.0	8.2	100	348
22	2574.006	27.5	27.7	9.7	28.4	36.5	54.0	17.5	100	200
23	2970.038	38.1	28.9	10.5	28.4	49.1	54.0	4.9	100	210
24	3267.032	30.5	28.9	11.1	28.4	42.1	54.0	11.9	100	116
25	3564.064	28.2	29.0	11.9	28.3	40.8	54.0	13.2	100	227
26	3762.000	23.2	29.5	12.3	28.3	36.7	54.0	17.3	100	32
27	3938.282	25.1	30.0	12.8	28.3	39.6	54.0	14.4	110	219
28	5468.965	22.6	34.9	14.9	28.1	44.3	54.0	9.7	100	228

< USB MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

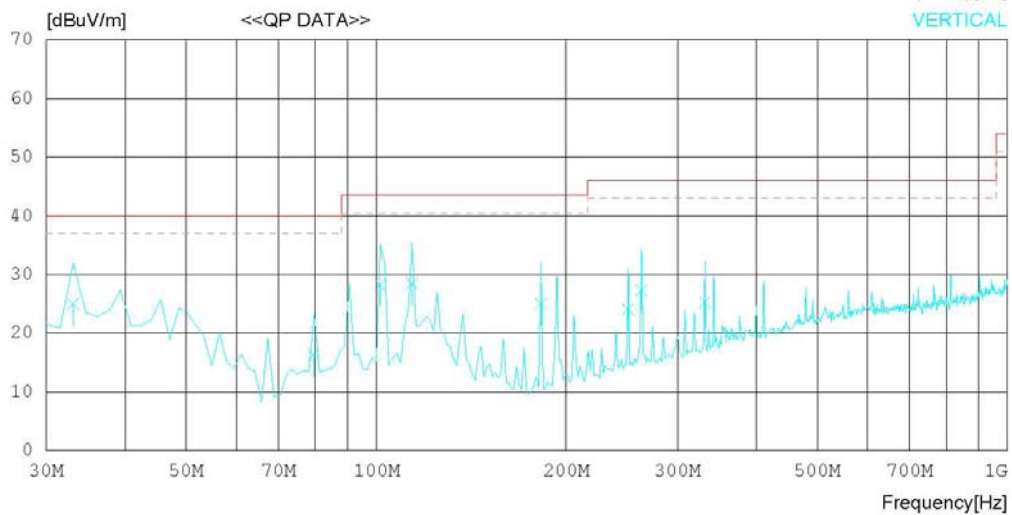
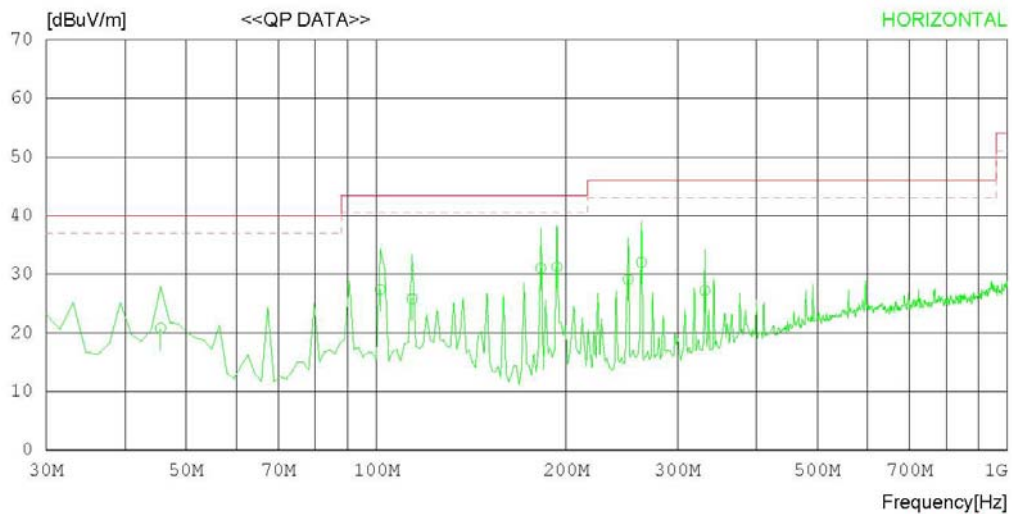
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 24 °C 33 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2013-06-15

Model Name : 60LN549E-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 24 °C 33 % 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	45.545	30.7	13.3	1.1	24.3	20.8	40.0	19.2	400	1
2	101.507	39.4	10.7	1.4	24.1	27.4	43.5	16.1	200	201
3	113.942	37.1	11.3	1.5	24.1	25.8	43.5	17.7	200	195
4	182.340	43.1	9.7	2.2	24.0	31.0	43.5	12.5	200	79
5	193.221	43.3	9.7	2.2	24.0	31.2	43.5	12.3	100	73
6	250.737	37.6	12.7	2.6	23.8	29.1	46.0	16.9	100	218
7	263.173	40.1	13.0	2.6	23.7	32.0	46.0	14.0	100	358
8	331.570	33.1	14.5	3.2	23.6	27.2	46.0	18.8	200	1
----- Vertical -----										
9	33.109	31.6	16.3	1.0	23.9	25.0	40.0	15.0	100	138
10	79.744	31.9	7.1	1.6	24.3	16.3	40.0	23.7	100	1
11	101.507	40.2	10.7	1.4	24.1	28.2	43.5	15.3	100	284
12	113.942	39.8	11.3	1.5	24.1	28.5	43.5	15.0	100	1
13	182.340	37.1	9.7	2.2	24.0	25.0	43.5	18.5	100	1
14	250.737	32.6	12.7	2.6	23.8	24.1	46.0	21.9	100	1
15	263.173	35.5	13.0	2.6	23.7	27.4	46.0	18.6	199	14
16	331.570	31.2	14.5	3.2	23.6	25.3	46.0	20.7	100	200

< USB MODE _ (1 ~ 6) GHz _ Peak >

RADIATED EMISSION

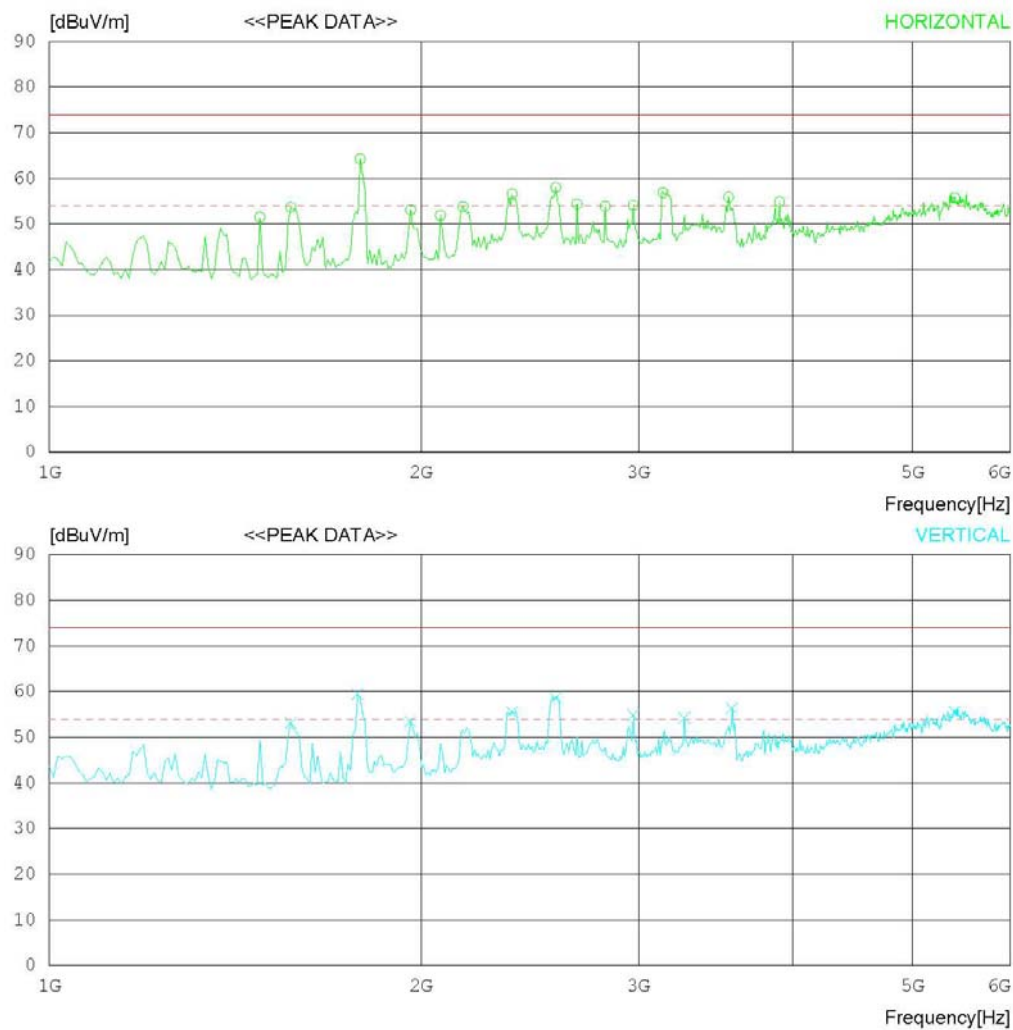
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % 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 : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % R. H.
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	1480.769	48.0	24.6	7.4	28.5	51.5	74.0	22.5	100	340
2	1568.910	50.0	24.6	7.6	28.5	53.7	74.0	20.3	100	156
3	1785.256	60.2	24.6	8.0	28.5	64.3	74.0	9.7	100	116
4	1961.538	48.6	24.6	8.4	28.5	53.1	74.0	20.9	100	244
5	2073.718	46.8	25.0	8.6	28.5	51.9	74.0	22.1	100	358
6	2161.860	48.0	25.5	8.8	28.5	53.8	74.0	20.2	100	198
7	2370.197	49.1	26.7	9.3	28.5	56.6	74.0	17.4	100	157
8	2570.520	49.0	27.7	9.7	28.4	58.0	74.0	16	100	358
9	2674.688	44.9	28.0	9.9	28.4	54.4	74.0	19.6	100	246
10	2818.921	43.7	28.4	10.2	28.4	53.9	74.0	20.1	100	358
11	2971.167	43.1	28.9	10.5	28.4	54.1	74.0	19.9	100	358
12	3139.439	45.5	29.0	10.8	28.4	56.9	74.0	17.1	100	358
13	3548.099	43.4	29.0	11.8	28.3	55.9	74.0	18.1	100	358
14	3900.668	40.6	29.9	12.7	28.3	54.9	74.0	19.1	100	201
15	5407.061	34.3	34.6	15.0	28.1	55.8	74.0	18.2	100	358
----- Vertical -----										
16	1568.910	49.5	24.6	7.6	28.5	53.2	74.0	20.8	100	188
17	1777.243	55.4	24.6	8.0	28.5	59.5	74.0	14.5	100	1
18	1961.538	49.0	24.6	8.4	28.5	53.5	74.0	20.5	100	1
19	2370.197	48.0	26.7	9.3	28.5	55.5	74.0	18.5	100	179
20	2570.520	49.6	27.7	9.7	28.4	58.6	74.0	15.4	100	1
21	2971.167	43.8	28.9	10.5	28.4	54.8	74.0	19.2	100	1
22	3267.646	42.7	28.9	11.1	28.4	54.3	74.0	19.7	100	1
23	3572.138	43.7	29.1	11.9	28.3	56.4	74.0	17.6	100	208
24	5407.061	34.1	34.6	15.0	28.1	55.6	74.0	18.4	100	231

< USB MODE _ (1 ~ 6) GHz _ Average >

RADIATED EMISSION

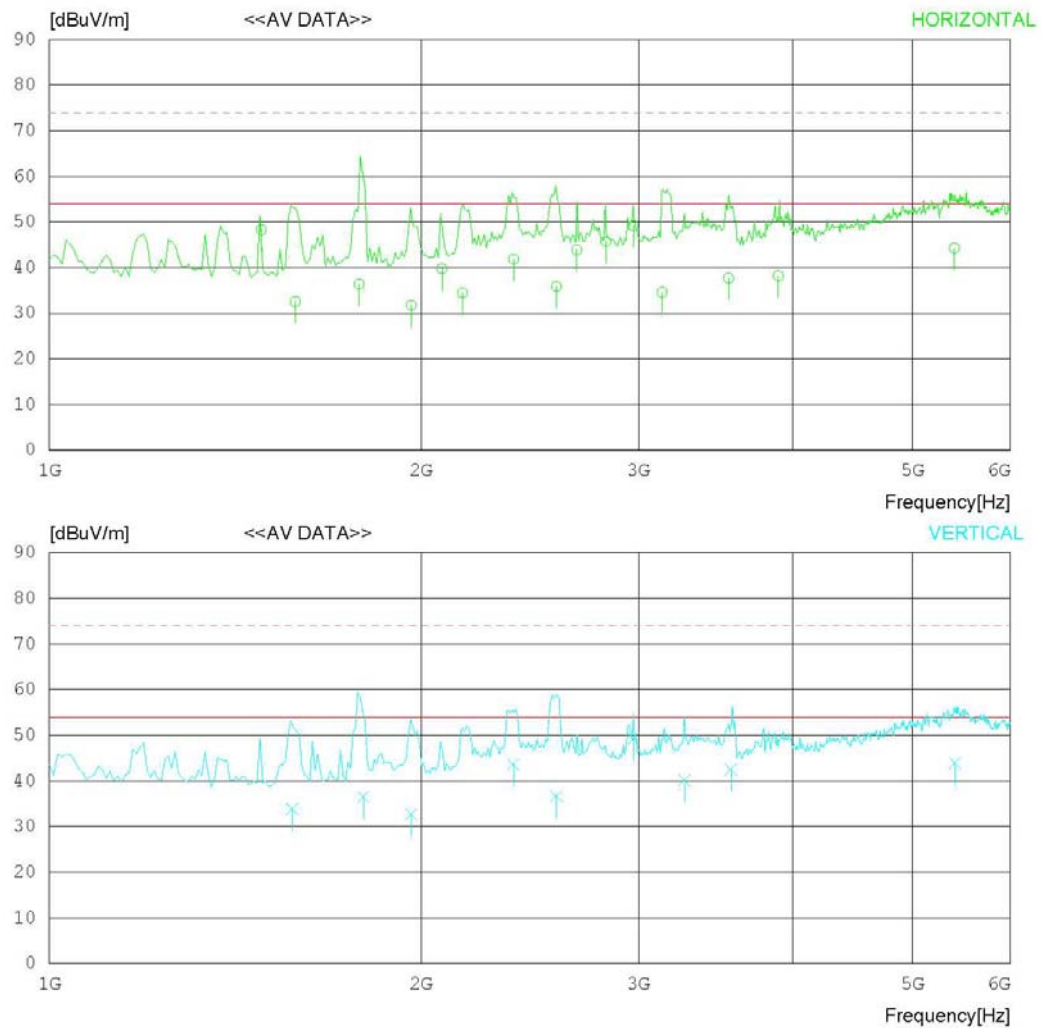
Date : 2013-06-15

Model Name : 60LN549E-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 24°C 33 % 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 : 2013-06-15

Model Name	: 60LN549E-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 24°C 33 % 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	1485.021	44.8	24.6	7.4	28.5	48.3	54.0	5.7	100	340
2	1581.865	28.8	24.6	7.7	28.5	32.6	54.0	21.4	115	156
3	1782.025	32.3	24.6	8.0	28.5	36.4	54.0	17.6	100	116
4	1963.564	27.3	24.6	8.4	28.5	31.8	54.0	22.2	100	244
5	2079.026	34.7	25.0	8.6	28.5	39.8	54.0	14.2	121	208
6	2160.006	28.7	25.5	8.8	28.5	34.5	54.0	19.5	100	198
7	2376.027	34.4	26.7	9.3	28.5	41.9	54.0	12.1	100	157
8	2574.006	26.9	27.7	9.7	28.4	35.9	54.0	18.1	100	323
9	2673.038	34.4	28.0	9.9	28.4	43.9	54.0	10.1	133	246
10	2821.532	35.5	28.4	10.2	28.4	45.7	54.0	8.3	100	7
11	2970.035	38.2	28.9	10.5	28.4	49.2	54.0	4.8	100	193
12	3133.712	23.2	29.0	10.8	28.4	34.6	54.0	19.4	100	35
13	3547.615	25.2	29.0	11.8	28.3	37.7	54.0	16.3	100	228
14	3891.154	23.9	29.9	12.7	28.3	38.2	54.0	15.8	100	201
15	5405.619	22.8	34.6	15.0	28.1	44.3	54.0	9.7	100	168
----- Vertical -----										
16	1572.076	30.2	24.6	7.6	28.5	33.9	54.0	20.1	100	188
17	1795.910	32.3	24.6	8.1	28.5	36.5	54.0	17.5	100	326
18	1963.564	28.2	24.6	8.4	28.5	32.7	54.0	21.3	100	72
19	2376.039	36.2	26.7	9.3	28.5	43.7	54.0	10.3	100	179
20	2574.038	27.7	27.7	9.7	28.4	36.7	54.0	17.3	100	3
21	2970.038	38.3	28.9	10.5	28.4	49.3	54.0	4.7	100	271
22	3267.030	28.6	28.9	11.1	28.4	40.2	54.0	13.8	128	18
23	3564.035	29.9	29.0	11.9	28.3	42.5	54.0	11.5	100	208
24	5411.562	22.4	34.6	15.0	28.1	43.9	54.0	10.1	100	231

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	2013.02.28	2014.02.28
☐ RFI/FIELD INTENSITY METER	KNM-2402	KYORITSU	4N-170-3	2012.07.02	2013.07.02
☐ LISN	KNW-407	KYORITSU	8-317-8	2013.01.08	2014.01.08
☐ LISN	PMM L2-16B	NARDA S.T.S. / PMM	000WX20305	2012.07.25	2013.07.25
☐ 50 OHM TERMINATOR	CT-01	TME	N/A	2013.01.08	2014.01.08
☒ EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2013.02.27	2014.02.27
☒ LISN	ESH2-Z5	ROHDE & SCHWARZ	828739/006	2012.09.18	2013.09.18
☒ LISN	LISN1600	TTI	197204	2012.07.02	2013.07.02
☒ 50 OHM TERMINATOR	CT-01	TME	N/A	2013.01.08	2014.01.08

2. Radiated Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
☒ EMI TEST RECEIVER	ESU	ROHDE & SCHWARZ	100014	2013.01.08	2014.01.08
☒ BILOG ANTENNA	CBL6112B	SCHAFFNER	2737	2012.11.06	2014.11.06
☒ HORN ANTENNA	BBHA9120A	SCHWARZBECK	322	2012.05.15	2014.05.15
☒ AMPLIFIER	8447E	H/P	2945A02865	2013.01.08	2014.01.08
☒ PREAMPLIFIER	8449B	AGILENT	3008A01590	2013.02.27	2014.02.27
☐ SPECTRUM ANALYZER	E4411B	AGILENT	US41062735	2012.07.11	2013.07.11
☐ AMPLIFIER	8447D	AGILENT	2443A03690	2012.07.01	2013.07.01
☐ EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2013.02.27	2014.02.27
☐ BICONICAL ANT.	VHA 9103	SCHWARZBECK	91032789	2012.04.10	2014.04.10
☐ LOG-PERIODIC ANT.	UHALP 9108A	SCHWARZBECK	590	2012.04.10	2014.04.10
☐ BICONICAL ANT.	VHA 9103	SCHWARZBECK	91031946	2012.03.12	2014.03.12
☐ LOG-PERIODIC ANT.	UHALP 9108-A1	SCHWARZBECK	1098	2012.03.12	2014.03.12
☐ AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2013.02.28	2014.02.28

Appendix 2

Report Revision History

Revision Date	Description	Revised By	Revision Reviewed By
None	Original	N/A	N/A