

EMC TEST REPORT

Test item : LED TV Monitor
Model No. : 55LP870H-UA
Order No. : DEMC1305-01523
Date of receipt : 2013-05-08
Test duration : 2013-05-11 ~ 2013-05-15
Use of report : FCC CoC Marking
Date of Issue : 2013-05-16

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 ~ 25) °C,
Humidity : (41 ~ 45) % 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.

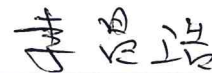
This test report shall not be reproduced except in full, without the written approval of DIGITAL EMC CO., LTD.

Tested by:



Engineer
DongWook Kim

Reviewed by:



Technical Manager
ChangHo Lee

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	35
List of Test and Measurement Instruments	35
Appendix 2	37
Report Revision History	37

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.	55LP870H-UA
EUT Type	LED TV Monitor
Serial No	NONE
FCC ID	BEJ55LP870HUA
Type of Sample Tested	Pre-Production
High Frequency	800 MHz
Rating	AC 100-240 V~ 50/60 Hz, 1.4 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

RGB (PC), HDMI (PC) supported mode

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640 x 350	31.46	70.09
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
1152 x 864 RGB-PC	54.34	60.05
1360 x 768	47.71	60.01
1280 x 1024 HDMI-PC	63.98	60.02
1920 x 1080 RGB-PC	67.50	60.00
1920 x 1080 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.)
Conducted Disturbance	05-11	25	41
Radiated Disturbance	05-15	22	45

4.3 Test result Summary

(1) Conducted Emission

(HDMI MODE)

Frequency [MHz]	Phase	Result [dBμV]	Detector	Limit [dBμV]	Margin [Db]
14.93450	N	43.3	Average-Peak	50.0	6.7

(USB MODE)

Frequency [MHz]	Phase	Result [dBμV]	Detector	Limit [dBμV]	Margin [Db]
14.93600	N	43.3	Average-Peak	50.0	6.7

(2) Radiated Emission (DSUB MODE)

Frequency [MHz]	Pol.	Result [dB(μV/m)]	Detector	Limit [dB(μV/m)]	Margin [dB]
182.775	H	37.6	Quasi-Peak	43.5	5.9

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 : 'H' Pattern mode, 1920 x 1080 Resolution
- HDMI MODE : 'H' Pattern mode, 1920 x 1080 Resolution
- USB MODE : USB video 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	DCSCMF	G3RZKBX	DELL	POWER	1.8	Not use	Non-shield	Plastic	DOC
				HDMI	1.8	Not use	Shield		
				DSUB	1.8	Not use	Shield		
				STEREO	1.5	Not use	Non-shield		
KEYBOARD	SKG-3000UB	TAKB60123 1H	MONITEREY INTERNATIONA L CORP	USB	1.8	Not use	Shield	Plastic	DOC
MOUSE	1484	3527000213 75	MICROSOFT CORP.	USB	1.6	Not use	Shield	Plastic	DOC
CD/DVD PLAYER	DVP-NS92V	2000407	SONY EMCS	POWER AV	1.8 1.6	Not use Not use	Non-shield Non-shield	Plastic	VER
USB MEMORY	D33021	N/A	SONY	USB	-	-	-	-	DOC
Headset	COV903	N/A	COSY	STEREO	2.2	Not use	Non-shield	Plastic	-
Printer	SRP-770	N/A	SAMSUNG	POWER USB	2.0 2.0	Not use	Non-shield Non-shield	-	DOC
Remote controller	AKB73755414	N/A	HANSUNG ELECTRONIC	-	-	-	-	-	-

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

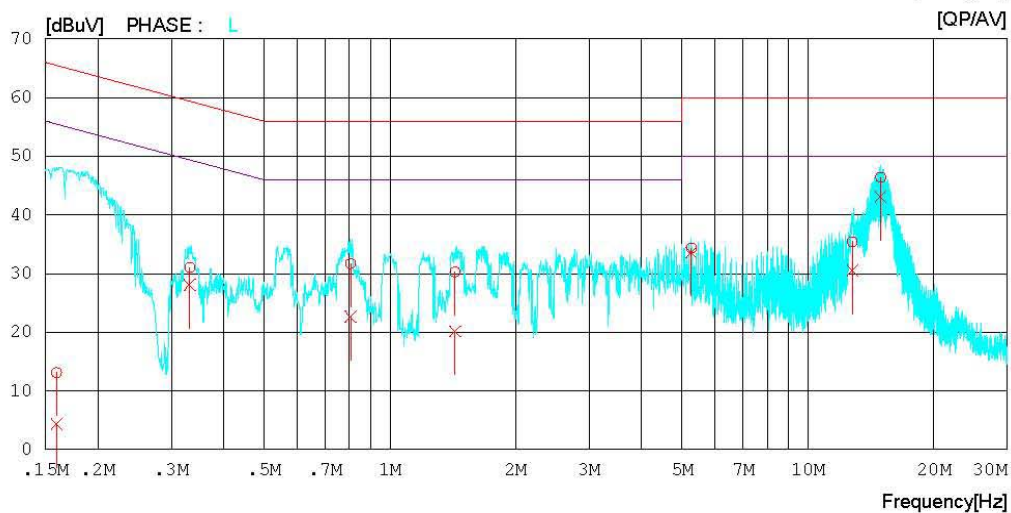
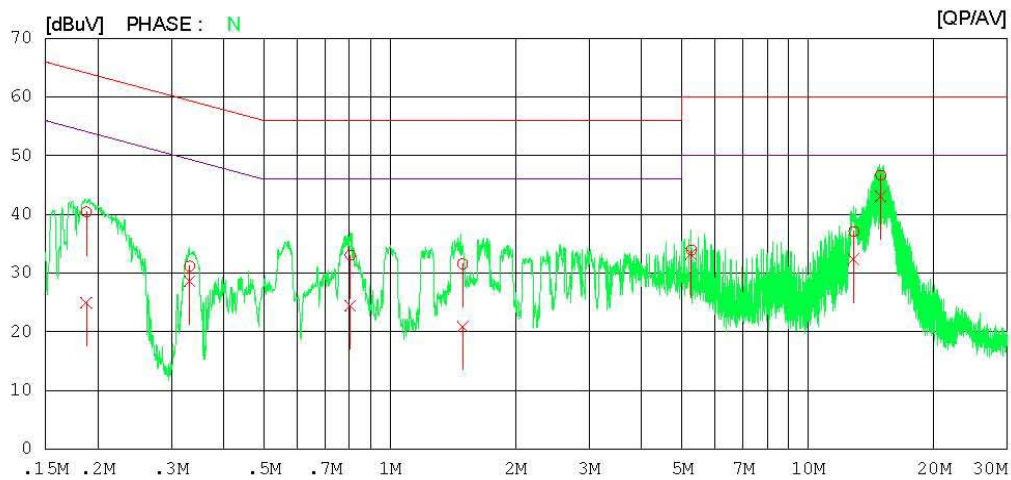
Digital EMC
Date : 2013-05-11

Model No. : 55LP870H-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 41 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2013-05-11

Model No. : 55LP870H-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 41 % 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	0.18800	40.2	24.7	0.2	40.4	24.9	64.1	54.1	23.7	29.2	N
2	0.33176	31.0	28.4	0.2	31.2	28.6	59.4	49.4	28.2	20.8	N
3	0.80370	32.8	24.2	0.2	33.0	24.4	56.0	46.0	23.0	21.6	N
4	1.49450	31.3	20.6	0.3	31.6	20.9	56.0	46.0	24.4	25.1	N
5	5.26100	33.5	32.9	0.4	33.9	33.3	60.0	50.0	26.1	16.7	N
6	12.87850	36.4	31.7	0.7	37.1	32.4	60.0	50.0	22.9	17.6	N
7	14.93700	45.9	42.3	0.8	46.7	43.1	60.0	50.0	13.3	6.9	N
8	0.15950	12.9	4.1	0.2	13.1	4.3	65.5	55.5	52.4	51.2	L
9	0.33223	30.8	27.9	0.2	31.0	28.1	59.4	49.4	28.4	21.3	L
10	0.80575	31.5	22.4	0.2	31.7	22.6	56.0	46.0	24.3	23.4	L
11	1.43200	30.0	19.8	0.3	30.3	20.1	56.0	46.0	25.7	25.9	L
12	5.25900	34.0	33.2	0.4	34.4	33.6	60.0	50.0	25.6	16.4	L
13	12.77500	34.7	29.9	0.7	35.4	30.6	60.0	50.0	24.6	19.4	L
14	14.93500	45.6	42.3	0.8	46.4	43.1	60.0	50.0	13.6	6.9	L

< HDMI MODE >



Results of Conducted Emission

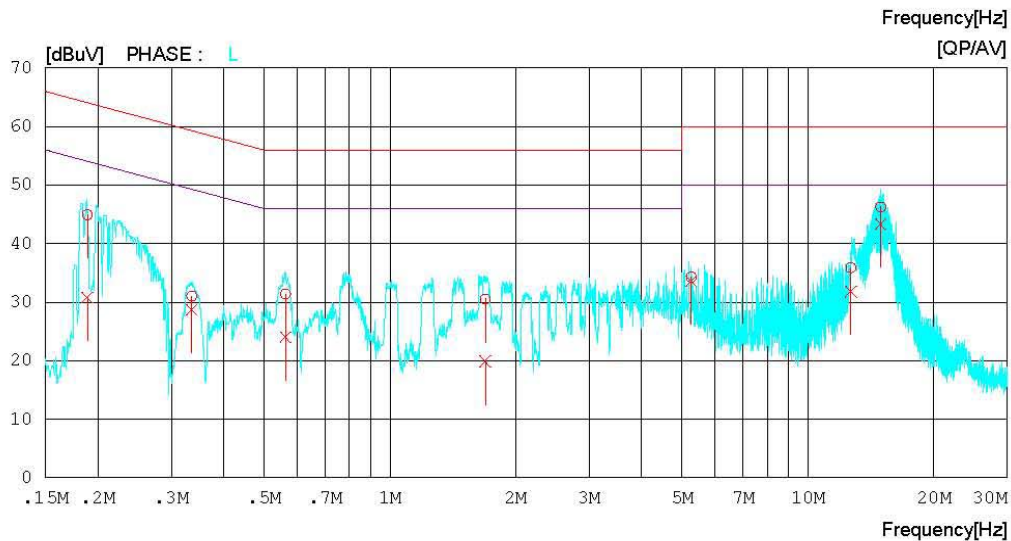
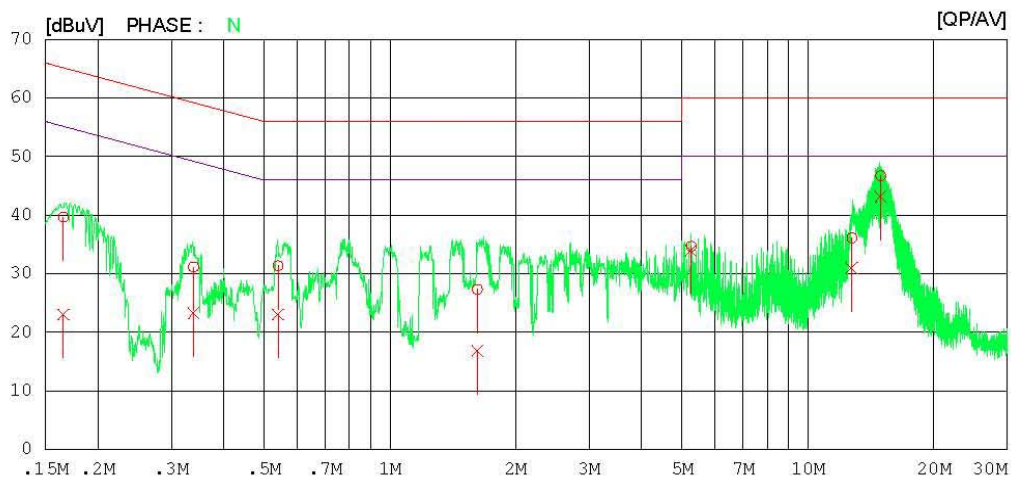
Digital EMC
Date : 2013-05-11

Model No. : 55LP870H-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 41 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2013-05-11

Model No. : 55LP870H-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 41 % 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	0.16556	39.5	22.8	0.2	39.7	23.0	65.2	55.2	25.5	32.2	N
2	0.33926	30.9	23.0	0.2	31.1	23.2	59.2	49.2	28.1	26.0	N
3	0.54045	31.1	22.9	0.2	31.3	23.1	56.0	46.0	24.7	22.9	N
4	1.61950	27.0	16.5	0.3	27.3	16.8	56.0	46.0	28.7	29.2	N
5	5.25950	34.3	33.5	0.4	34.7	33.9	60.0	50.0	25.3	16.1	N
6	12.74200	35.4	30.3	0.7	36.1	31.0	60.0	50.0	23.9	19.0	N
7	14.93700	45.9	42.3	0.8	46.7	43.1	60.0	50.0	13.3	6.9	N
8	0.18893	44.7	30.6	0.2	44.9	30.8	64.1	54.1	19.2	23.3	L
9	0.33571	30.8	28.5	0.2	31.0	28.7	59.3	49.3	28.3	20.6	L
10	0.56298	31.2	23.8	0.2	31.4	24.0	56.0	46.0	24.6	22.0	L
11	1.69150	30.2	19.6	0.3	30.5	19.9	56.0	46.0	25.5	26.1	L
12	5.26100	33.9	33.2	0.4	34.3	33.6	60.0	50.0	25.7	16.4	L
13	12.67650	35.2	31.1	0.7	35.9	31.8	60.0	50.0	24.1	18.2	L
14	14.93450	45.4	42.5	0.8	46.2	43.3	60.0	50.0	13.8	6.7	L

< USB MODE >



Results of Conducted Emission

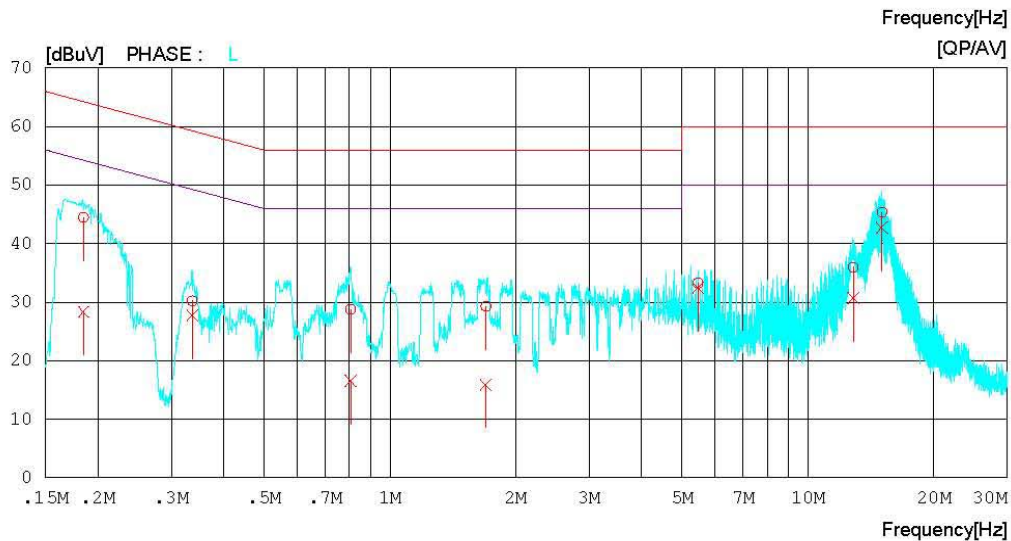
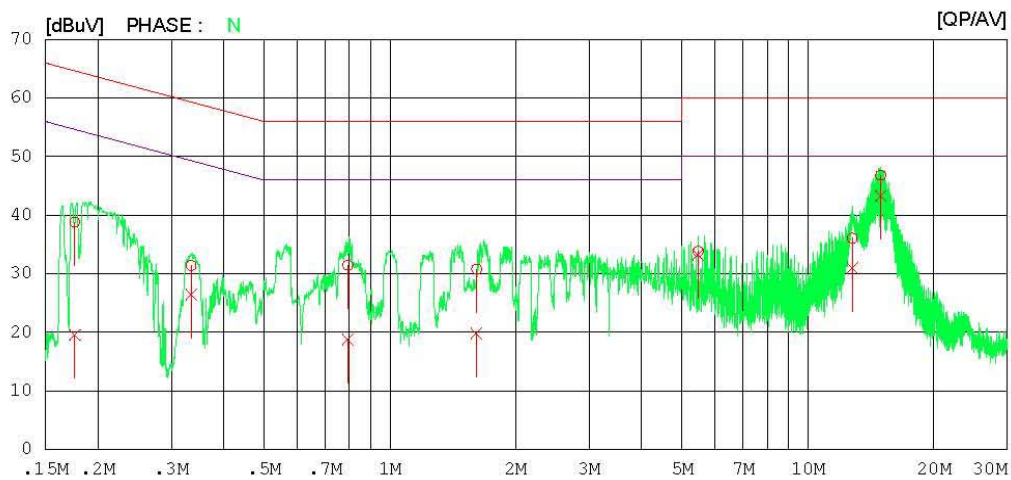
Digital EMC
Date : 2013-05-11

Model No. : 55LP870H-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 41 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2013-05-11

Model No. : 55LP870H-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 25 °C 41 % 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	0.17614	38.7	19.5	0.1	38.8	19.6	64.7	54.7	25.9	35.1	N
2	0.33490	31.3	26.4	0.1	31.4	26.5	59.3	49.3	27.9	22.8	N
3	0.79368	31.4	18.7	0.1	31.5	18.8	56.0	46.0	24.5	27.2	N
4	1.61250	30.7	19.7	0.1	30.8	19.8	56.0	46.0	25.2	26.2	N
5	5.46250	33.6	33.0	0.2	33.8	33.2	60.0	50.0	26.2	16.8	N
6	12.77700	35.8	30.6	0.3	36.1	30.9	60.0	50.0	23.9	19.1	N
7	14.93600	46.5	43.0	0.3	46.8	43.3	60.0	50.0	13.2	6.7	N
8	0.18510	44.4	28.2	0.1	44.5	28.3	64.3	54.3	19.8	26.0	L
9	0.33689	30.1	27.6	0.1	30.2	27.7	59.3	49.3	29.1	21.6	L
10	0.80588	28.7	16.5	0.1	28.8	16.6	56.0	46.0	27.2	29.4	L
11	1.69700	29.2	15.8	0.1	29.3	15.9	56.0	46.0	26.7	30.1	L
12	5.46050	33.0	32.2	0.2	33.2	32.4	60.0	50.0	26.8	17.6	L
13	12.84450	35.7	30.4	0.3	36.0	30.7	60.0	50.0	24.0	19.3	L
14	15.03800	45.1	42.4	0.3	45.4	42.7	60.0	50.0	14.6	7.3	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 (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 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 (dB μ V/m)	Quasi-peak (dB μ V/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 (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

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

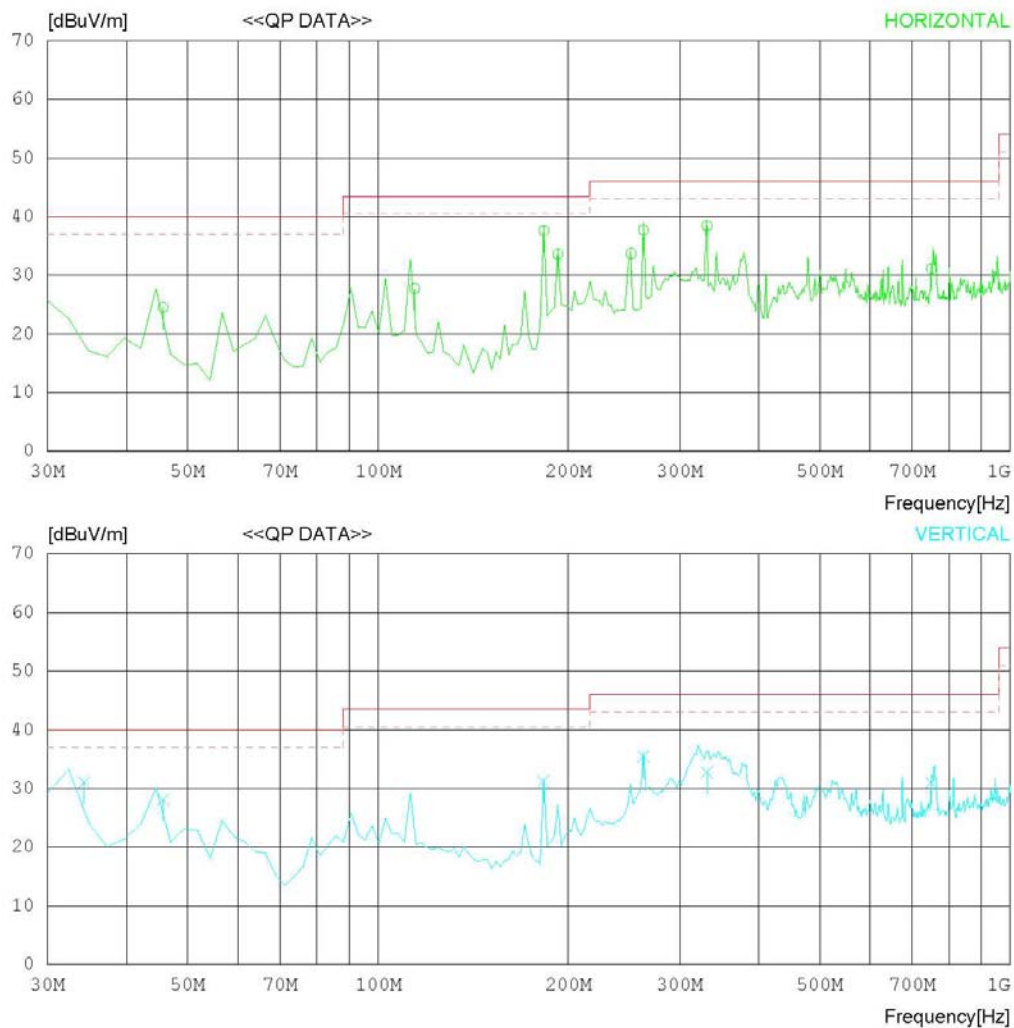
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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	45.713	34.6	13.1	1.1	24.3	24.5	40.0	15.5	400	323
2	114.250	39.0	11.3	1.5	24.1	27.7	43.5	15.8	156	225
3	182.775	49.7	9.7	2.2	24.0	37.6	43.5	5.9	100	358
4	192.410	45.7	9.7	2.2	24.0	33.6	43.5	9.9	100	101
5	251.290	42.2	12.7	2.6	23.8	33.7	46.0	12.3	100	67
6	262.701	45.8	13.0	2.6	23.7	37.7	46.0	8.3	100	204
7	331.266	44.4	14.5	3.1	23.6	38.4	46.0	7.6	100	358
8	750.025	30.0	19.3	4.6	22.8	31.1	46.0	14.9	100	167
----- Vertical -----										
9	34.275	38.4	15.6	1.0	23.9	31.1	40.0	8.9	100	244
10	45.700	38.2	13.1	1.1	24.3	28.1	40.0	11.9	100	113
11	182.775	43.3	9.7	2.2	24.0	31.2	43.5	12.3	100	182
12	262.723	43.6	13.0	2.6	23.7	35.5	46.0	10.5	100	152
13	331.375	38.7	14.5	3.2	23.6	32.8	46.0	13.2	199	171
14	749.990	29.9	19.3	4.6	22.8	31.0	46.0	15.0	199	196

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

RADIATED EMISSION

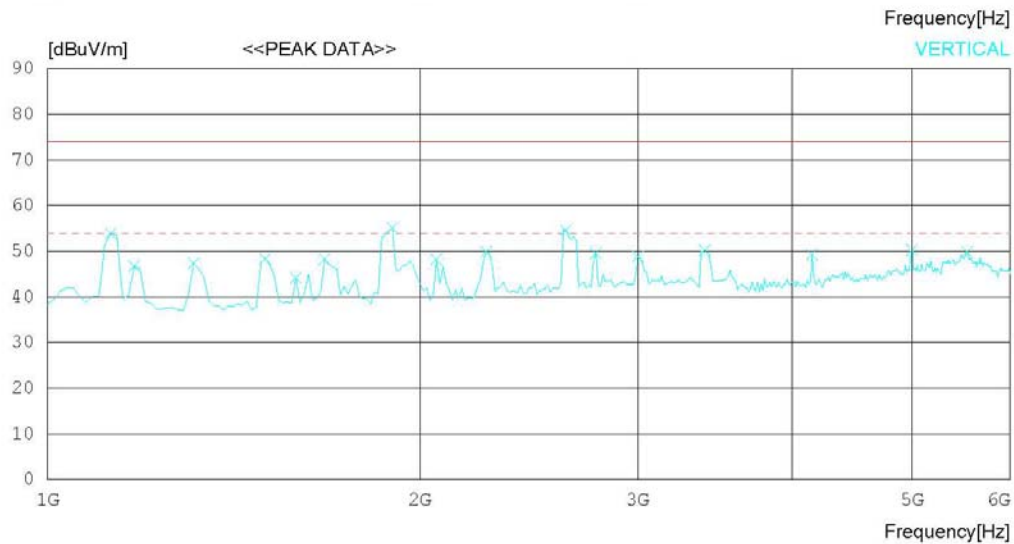
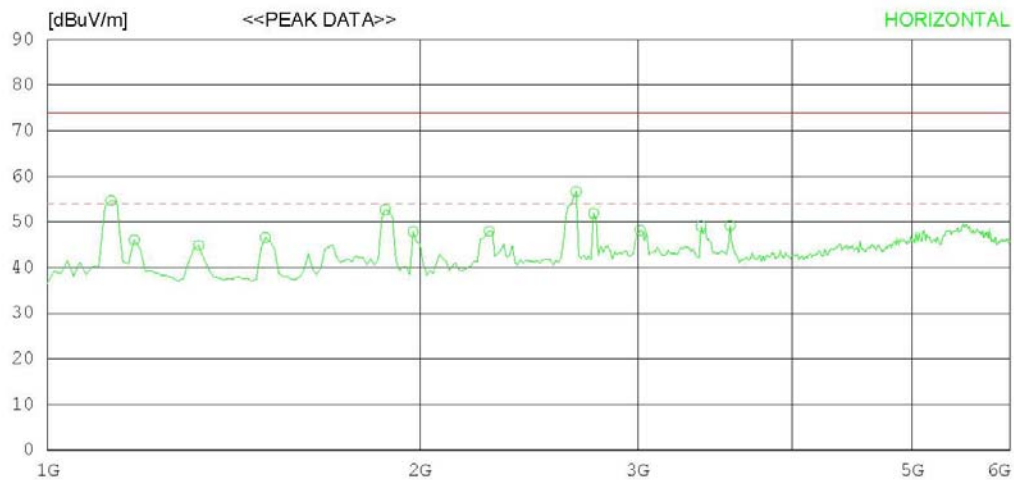
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 'C 45 % 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 : 2013-05-15

Model Name : 55LP870H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 45 % 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	1125.000	68.0	24.1	3.5	40.9	54.7	74.0	19.3	100	1
2	1175.000	59.2	24.1	3.6	40.8	46.1	74.0	27.9	100	124
3	1325.000	57.2	24.4	3.8	40.5	44.9	74.0	29.1	100	207
4	1500.000	57.9	24.7	4.1	40.1	46.6	74.0	27.4	100	1
5	1875.000	63.1	24.6	4.6	39.6	52.7	74.0	21.3	100	1
6	1975.000	58.1	24.6	4.7	39.5	47.9	74.0	26.1	100	223
7	2275.000	56.3	26.1	5.0	39.4	48.0	74.0	26	100	1
8	2675.000	62.6	28.0	5.4	39.3	56.7	74.0	17.3	100	1
9	2762.500	57.4	28.3	5.5	39.3	51.9	74.0	22.1	100	1
10	3012.500	52.8	29.0	5.7	39.3	48.2	74.0	25.8	100	219
11	3375.000	53.2	28.9	6.1	39.1	49.1	74.0	24.9	100	218
12	3562.500	52.8	29.0	6.3	38.9	49.2	74.0	24.8	100	1
----- Vertical -----										
13	1125.000	67.2	24.1	3.5	40.9	53.9	74.0	20.1	100	159
14	1175.000	59.8	24.1	3.6	40.8	46.7	74.0	27.3	100	177
15	1312.500	59.7	24.4	3.8	40.5	47.4	74.0	26.6	100	358
16	1500.000	59.7	24.7	4.1	40.1	48.4	74.0	25.6	100	220
17	1587.500	55.4	24.6	4.2	40.0	44.2	74.0	29.8	100	204
18	1675.000	59.3	24.6	4.3	39.9	48.3	74.0	25.7	100	358
19	1900.000	65.5	24.6	4.6	39.6	55.1	74.0	18.9	100	358
20	2062.500	58.1	24.9	4.8	39.5	48.3	74.0	25.7	100	358
21	2262.500	58.2	26.1	5.0	39.4	49.9	74.0	24.1	100	358
22	2625.000	60.8	27.8	5.3	39.3	54.6	74.0	19.4	100	358
23	2775.000	55.1	28.3	5.5	39.3	49.6	74.0	24.4	100	239
24	3000.000	53.5	29.0	5.7	39.3	48.9	74.0	25.1	100	122
25	3400.000	54.3	28.9	6.1	39.1	50.2	74.0	23.8	100	192
26	4150.000	50.5	30.4	6.8	38.4	49.3	74.0	24.7	100	358
27	5000.000	48.7	32.5	7.9	38.8	50.3	74.0	23.7	100	358
28	5537.500	45.4	34.8	8.0	38.3	49.9	74.0	24.1	100	108

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

RADIATED EMISSION

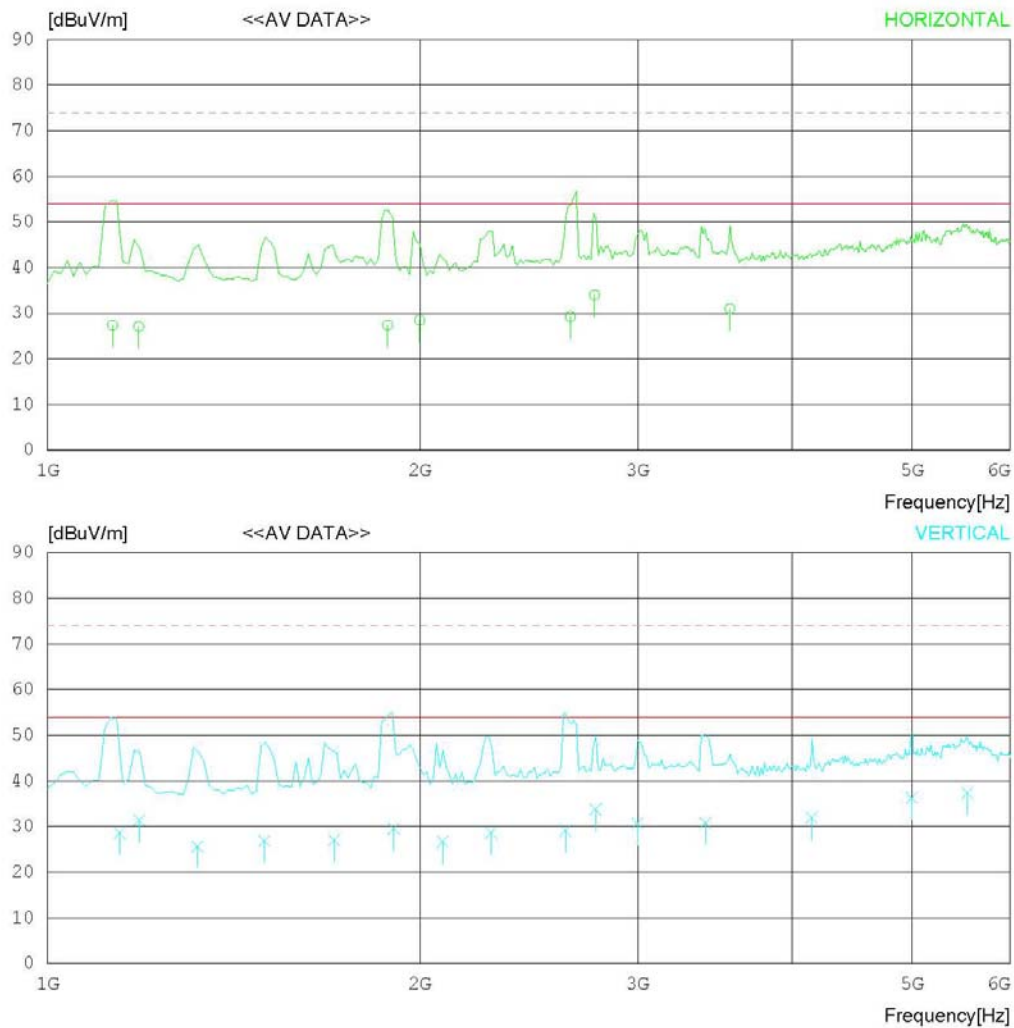
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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 : 2013-05-15

Model Name : 55LP870H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 45 % 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	1128.590	40.7	24.1	3.5	40.9	27.4	54.0	26.6	100	122
2	1184.792	40.1	24.2	3.6	40.8	27.1	54.0	26.9	100	145
3	1883.199	37.8	24.6	4.6	39.6	27.4	54.0	26.6	100	301
4	1998.741	38.7	24.6	4.7	39.5	28.5	54.0	25.5	100	234
5	2646.102	35.3	27.9	5.4	39.3	29.3	54.0	24.7	100	208
6	2768.025	39.5	28.3	5.5	39.3	34.0	54.0	20.0	100	117
7	3561.497	34.6	29.0	6.3	38.9	31.0	54.0	23.0	100	287
----- Vertical -----										
8	1143.759	41.9	24.1	3.5	40.9	28.6	54.0	25.4	100	155
9	1186.217	44.4	24.2	3.6	40.8	31.4	54.0	22.6	100	143
10	1321.634	38.0	24.4	3.8	40.5	25.7	54.0	28.3	100	120
11	1498.044	38.3	24.6	4.1	40.1	26.9	54.0	27.1	100	199
12	1706.025	38.0	24.6	4.3	39.8	27.1	54.0	26.9	100	183
13	1905.000	39.9	24.6	4.6	39.6	29.5	54.0	24.5	100	197
14	2086.891	36.2	25.1	4.8	39.4	26.7	54.0	27.3	100	230
15	2283.251	36.9	26.2	5.0	39.4	28.7	54.0	25.3	100	221
16	2622.503	35.3	27.8	5.3	39.3	29.1	54.0	24.9	100	175
17	2773.942	39.3	28.3	5.5	39.3	33.8	54.0	20.2	100	192
18	2998.230	35.3	29.0	5.7	39.3	30.7	54.0	23.3	100	233
19	3402.500	34.9	28.9	6.1	39.1	30.8	54.0	23.2	100	177
20	4145.637	33.1	30.4	6.8	38.4	31.9	54.0	22.1	100	197
21	4998.100	34.7	32.5	7.9	38.8	36.3	54.0	17.7	100	229
22	5538.929	32.9	34.8	8.0	38.3	37.4	54.0	16.6	100	222

< HDMI MODE _ 30 MHz ~ 1 GHz >

RADIATED EMISSION

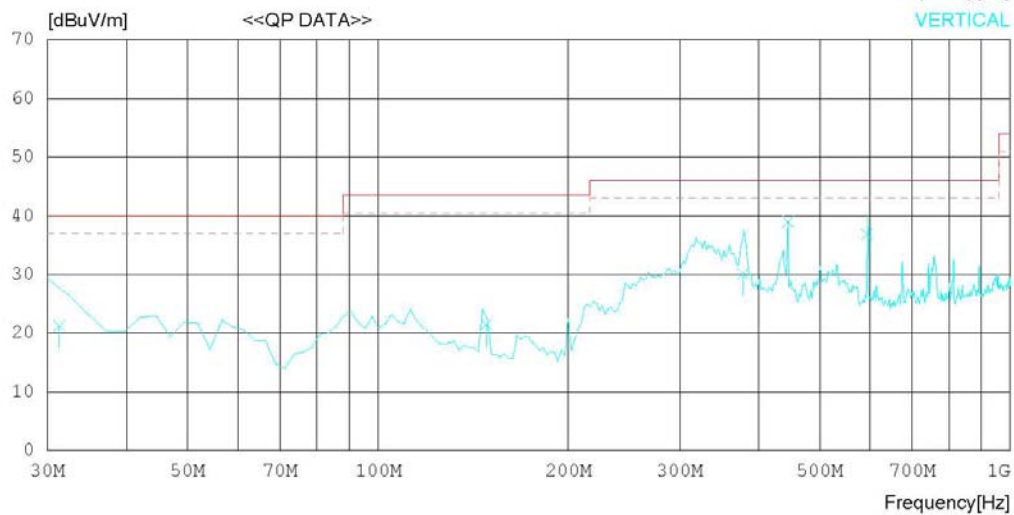
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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	30.850	26.2	17.4	0.9	23.8	20.7	40.0	19.3	146	138
2	148.511	39.0	10.5	1.7	24.2	27.0	43.5	16.5	151	235
3	380.871	33.1	15.6	3.5	23.5	28.7	46.0	17.3	199	134
4	445.480	39.2	16.6	3.5	23.3	36.0	46.0	10.0	177	126
5	674.998	34.5	18.6	4.4	22.9	34.6	46.0	11.4	100	322
6	750.035	30.8	19.3	4.6	22.8	31.9	46.0	14.1	100	129
----- Vertical -----										
7	31.314	26.9	17.2	0.9	23.8	21.2	40.0	18.8	100	120
8	148.500	33.5	10.5	1.7	24.2	21.5	43.5	22.0	100	156
9	378.115	34.6	15.5	3.5	23.5	30.1	46.0	15.9	201	335
10	445.480	42.2	16.6	3.5	23.3	39.0	46.0	7.0	100	141
11	594.016	37.1	18.6	4.1	22.9	36.9	46.0	9.1	100	125

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

RADIATED EMISSION

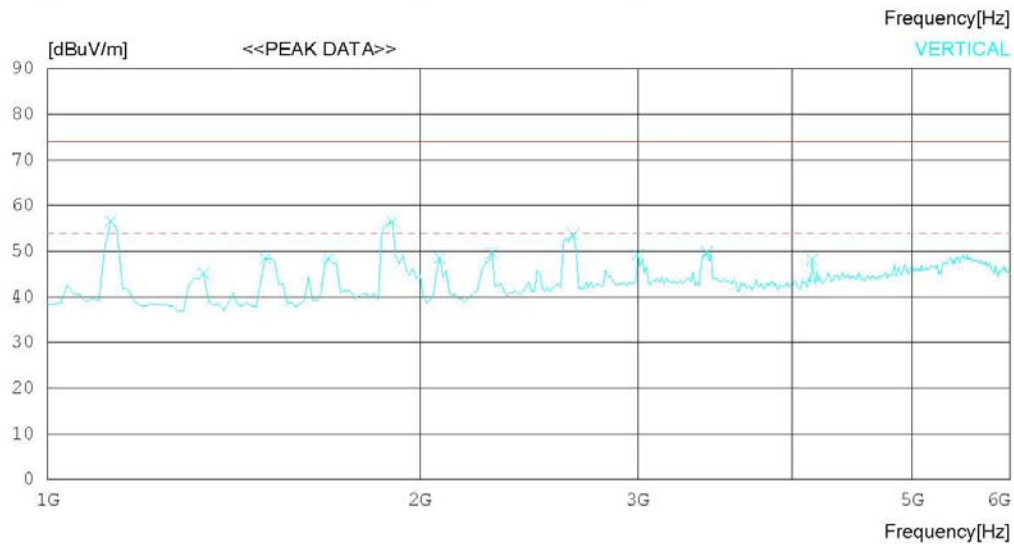
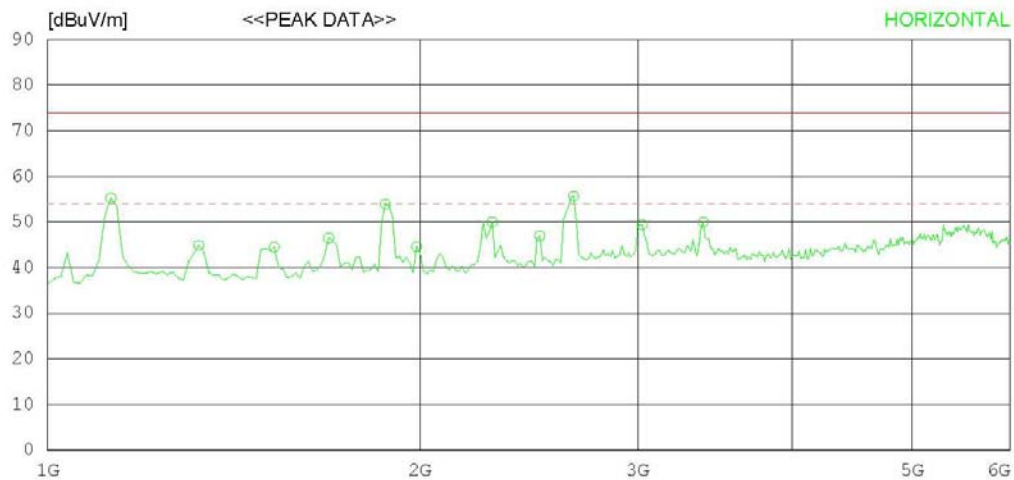
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 'C 45 % 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 : 2013-05-15

Model Name : 55LP870H-UA	Reference No. :
Model No. :	Power Supply : 120 V 60 Hz
Serial No. :	Temp/Humi : 22 °C 45 % 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	1125.000	68.6	24.1	3.5	40.9	55.3	74.0	18.7	100	227
2	1325.000	57.2	24.4	3.8	40.5	44.9	74.0	29.1	100	134
3	1525.000	55.8	24.6	4.1	40.0	44.5	74.0	29.5	100	358
4	1687.500	57.4	24.6	4.3	39.8	46.5	74.0	27.5	100	145
5	1875.000	64.3	24.6	4.6	39.6	53.9	74.0	20.1	100	358
6	1987.500	54.8	24.6	4.7	39.5	44.6	74.0	29.4	100	358
7	2287.500	58.2	26.2	5.0	39.4	50.0	74.0	24	100	138
8	2500.000	53.6	27.5	5.2	39.3	47.0	74.0	27	100	213
9	2662.500	61.7	27.9	5.4	39.3	55.7	74.0	18.3	100	222
10	3025.000	54.0	29.0	5.7	39.3	49.4	74.0	24.6	100	358
11	3387.500	54.1	28.9	6.1	39.1	50.0	74.0	24	100	358
----- Vertical -----										
12	1125.000	69.9	24.1	3.5	40.9	56.6	74.0	17.4	100	1
13	1337.500	57.3	24.4	3.8	40.4	45.1	74.0	28.9	100	209
14	1500.000	59.8	24.7	4.1	40.1	48.5	74.0	25.5	100	182
15	1687.500	59.4	24.6	4.3	39.8	48.5	74.0	25.5	100	1
16	1900.000	66.9	24.6	4.6	39.6	56.5	74.0	17.5	100	207
17	2075.000	58.2	25.0	4.8	39.4	48.6	74.0	25.4	100	173
18	2287.500	57.8	26.2	5.0	39.4	49.6	74.0	24.4	100	190
19	2662.500	59.7	27.9	5.4	39.3	53.7	74.0	20.3	100	1
20	3000.000	53.9	29.0	5.7	39.3	49.3	74.0	24.7	100	120
21	3412.500	53.9	28.9	6.1	39.1	49.8	74.0	24.2	100	186
22	4150.000	49.4	30.4	6.8	38.4	48.2	74.0	25.8	100	1

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

RADIATED EMISSION

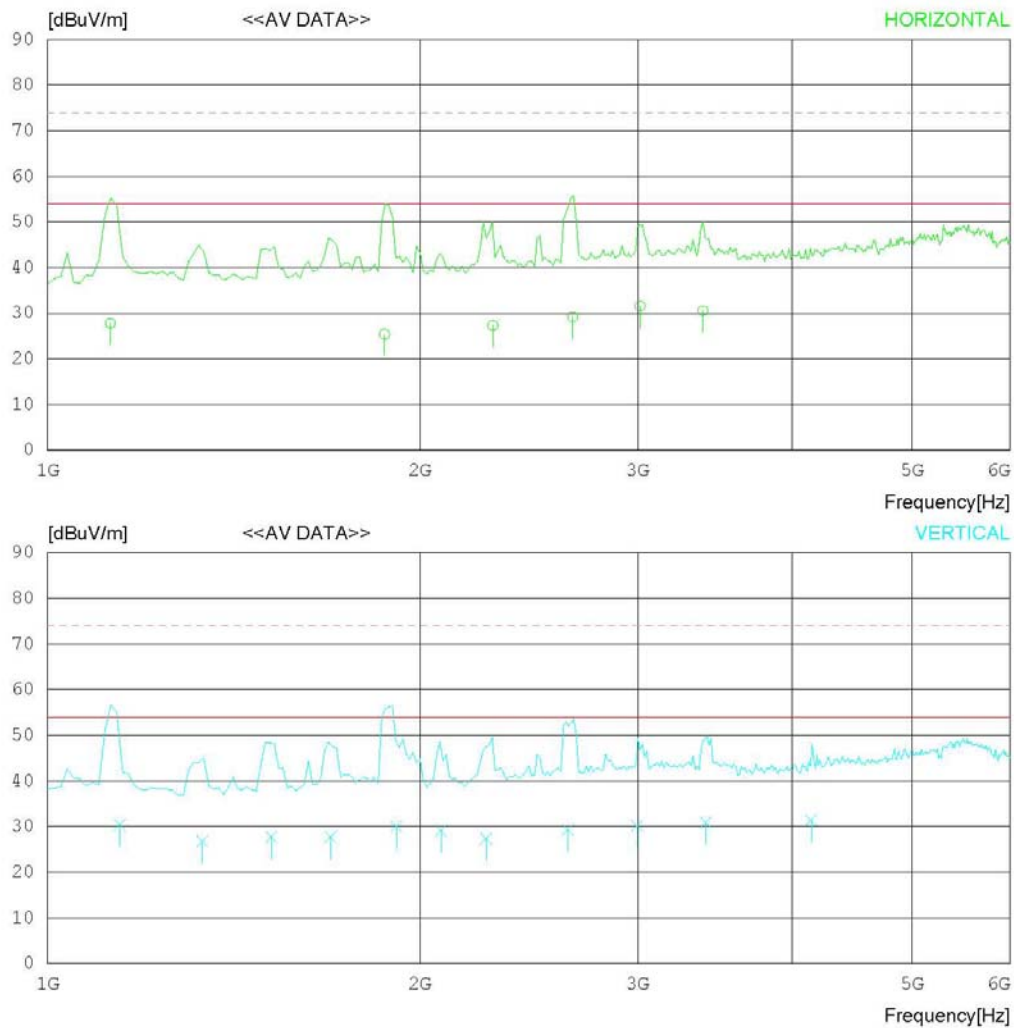
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 'C 45 % 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 : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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	1124.250	41.1	24.1	3.5	40.9	27.8	54.0	26.2	100	232
2	1872.535	35.8	24.6	4.6	39.6	25.4	54.0	28.6	100	198
3	2290.749	35.5	26.2	5.0	39.4	27.3	54.0	26.7	100	175
4	2657.833	35.2	27.9	5.4	39.3	29.2	54.0	24.8	100	243
5	3012.471	36.2	29.0	5.7	39.3	31.6	54.0	22.4	100	150
6	3385.814	34.7	28.9	6.1	39.1	30.6	54.0	23.4	100	173
----- Vertical -----										
7	1143.755	43.7	24.1	3.5	40.9	30.4	54.0	23.6	100	123
8	1333.653	39.0	24.4	3.8	40.4	26.8	54.0	27.2	100	187
9	1516.826	39.1	24.6	4.1	40.1	27.7	54.0	26.3	100	192
10	1693.310	38.6	24.6	4.3	39.8	27.7	54.0	26.3	100	155
11	1914.391	40.5	24.6	4.6	39.6	30.1	54.0	23.9	100	189
12	2079.455	38.7	25.0	4.8	39.4	29.1	54.0	24.9	100	163
13	2262.673	35.7	26.1	5.0	39.4	27.4	54.0	26.6	100	199
14	2634.500	35.3	27.9	5.4	39.3	29.3	54.0	24.7	100	203
15	2997.512	34.8	29.0	5.7	39.3	30.2	54.0	23.8	100	154
16	3404.520	35.0	28.9	6.1	39.1	30.9	54.0	23.1	100	190
17	4143.751	32.6	30.4	6.8	38.4	31.4	54.0	22.6	100	175

< USB MODE _ 30 MHz ~ 1 GHz >

RADIATED EMISSION

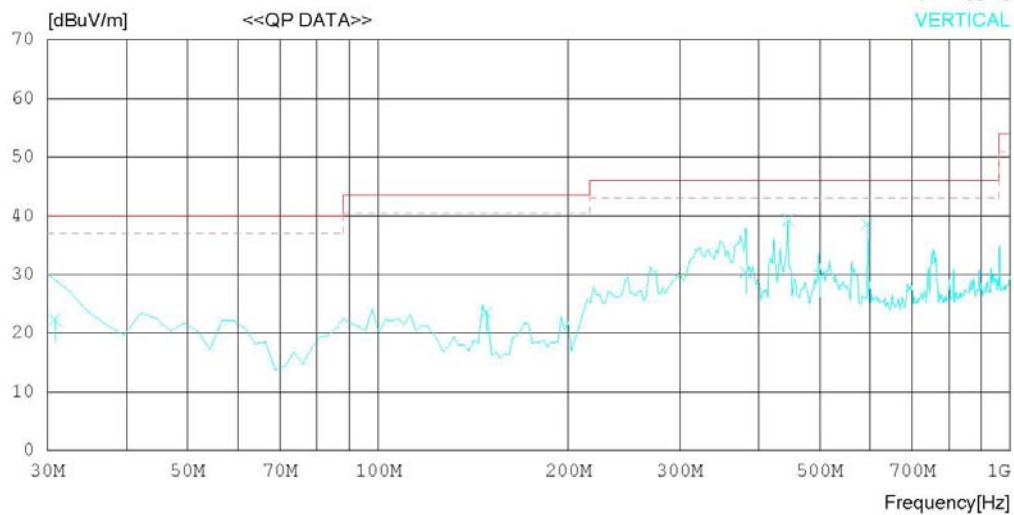
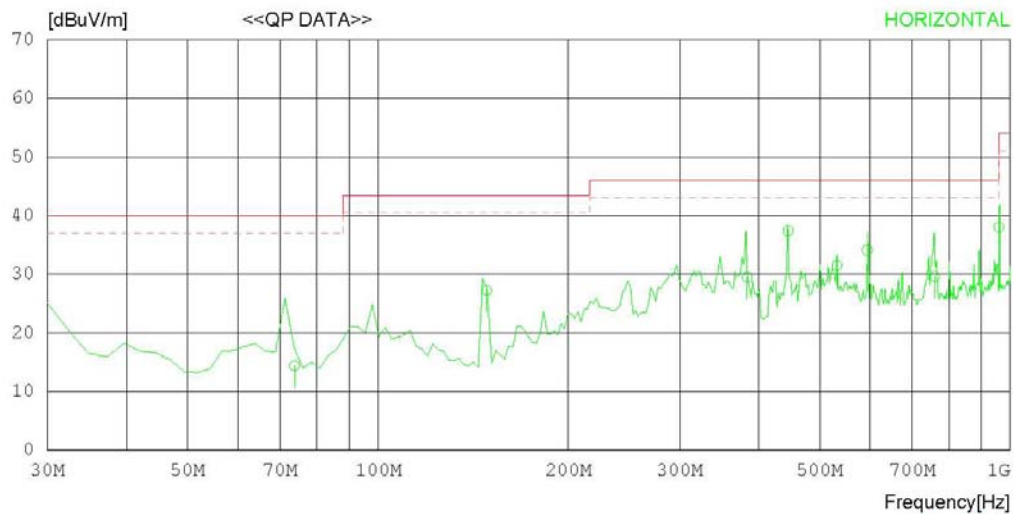
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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	73.756	30.4	6.7	1.6	24.3	14.4	40.0	25.6	201	103
2	148.485	39.2	10.5	1.7	24.2	27.2	43.5	16.3	141	142
3	383.814	33.8	15.7	3.5	23.5	29.5	46.0	16.5	100	292
4	445.500	40.6	16.6	3.5	23.3	37.4	46.0	8.6	100	281
5	532.302	32.9	17.8	3.8	23.0	31.5	46.0	14.5	201	310
6	593.950	34.3	18.6	4.1	22.9	34.1	46.0	11.9	201	229
7	759.512	28.3	19.4	4.7	22.8	29.6	46.0	16.4	100	188
8	959.994	33.6	21.7	5.4	22.7	38.0	46.0	8.0	301	300
----- Vertical -----										
9	30.825	27.8	17.4	0.9	23.8	22.3	40.0	17.7	100	1
10	148.500	35.5	10.5	1.7	24.2	23.5	43.5	20.0	100	1
11	381.871	34.8	15.6	3.5	23.5	30.4	46.0	15.6	199	189
12	445.483	42.5	16.6	3.5	23.3	39.3	46.0	6.7	100	1
13	499.990	31.7	17.3	3.9	23.0	29.9	46.0	16.1	199	358
14	593.975	38.8	18.6	4.1	22.9	38.6	46.0	7.4	100	1

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

RADIATED EMISSION

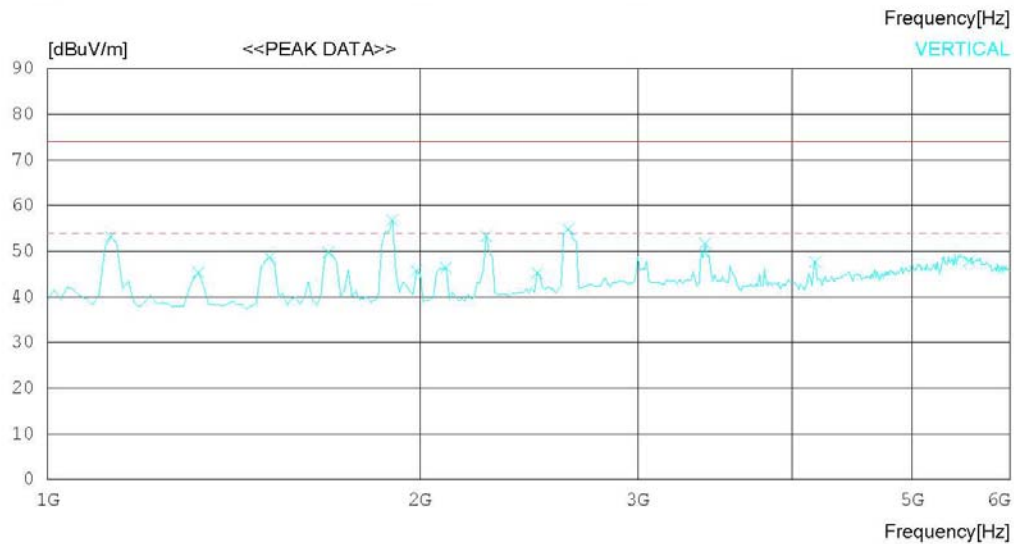
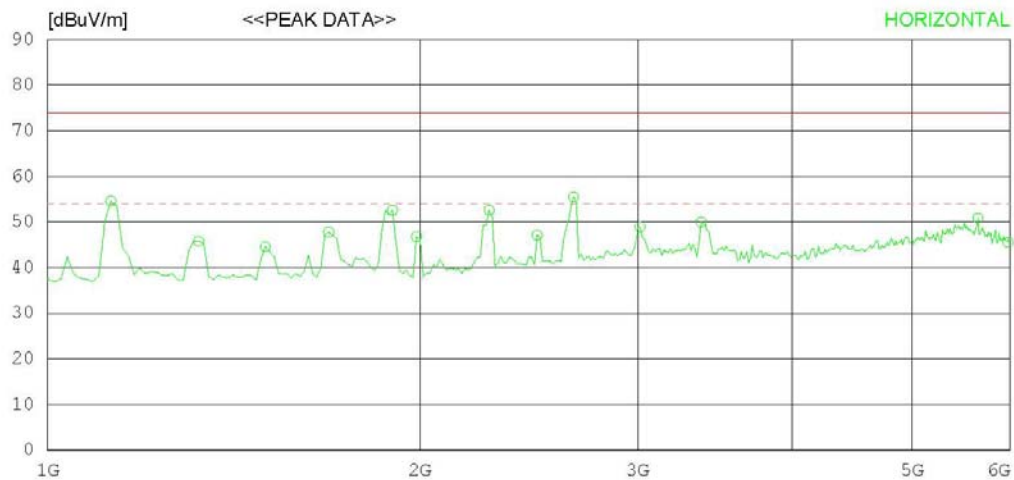
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 'C 45 % 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 : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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	1125.000	67.9	24.1	3.5	40.9	54.6	74.0	19.4	100	358
2	1325.000	58.1	24.4	3.8	40.5	45.8	74.0	28.2	100	105
3	1500.000	55.9	24.7	4.1	40.1	44.6	74.0	29.4	100	358
4	1687.500	58.7	24.6	4.3	39.8	47.8	74.0	26.2	100	358
5	1900.000	63.0	24.6	4.6	39.6	52.6	74.0	21.4	100	222
6	1987.500	57.0	24.6	4.7	39.5	46.8	74.0	27.2	100	156
7	2275.000	60.9	26.1	5.0	39.4	52.6	74.0	21.4	100	190
8	2487.500	53.8	27.4	5.2	39.3	47.1	74.0	26.9	100	233
9	2662.500	61.5	27.9	5.4	39.3	55.5	74.0	18.5	100	358
10	3012.500	53.5	29.0	5.7	39.3	48.9	74.0	25.1	100	226
11	3375.000	54.1	28.9	6.1	39.1	50.0	74.0	24	100	358
12	5650.000	47.1	34.1	8.1	38.4	50.9	74.0	23.1	100	195
13	5975.000	43.9	32.0	8.4	38.7	45.6	74.0	28.4	100	211
----- Vertical -----										
14	1125.000	66.6	24.1	3.5	40.9	53.3	74.0	20.7	100	1
15	1325.000	57.7	24.4	3.8	40.5	45.4	74.0	28.6	100	1
16	1512.500	60.1	24.6	4.1	40.1	48.7	74.0	25.3	100	1
17	1687.500	60.7	24.6	4.3	39.8	49.8	74.0	24.2	100	182
18	1900.000	67.3	24.6	4.6	39.6	56.9	74.0	17.1	100	216
19	1987.500	55.9	24.6	4.7	39.5	45.7	74.0	28.3	100	48
20	2100.000	56.0	25.1	4.8	39.4	46.5	74.0	27.5	100	1
21	2262.500	61.7	26.1	5.0	39.4	53.4	74.0	20.6	100	1
22	2487.500	52.0	27.4	5.2	39.3	45.3	74.0	28.7	100	1
23	2637.500	60.8	27.9	5.4	39.3	54.8	74.0	19.2	100	1
24	3400.000	55.8	28.9	6.1	39.1	51.7	74.0	22.3	100	1
25	4175.000	48.9	30.4	6.8	38.4	47.7	74.0	26.3	100	1
26	5562.500	43.5	34.7	8.0	38.3	47.9	74.0	26.1	100	159

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

RADIATED EMISSION

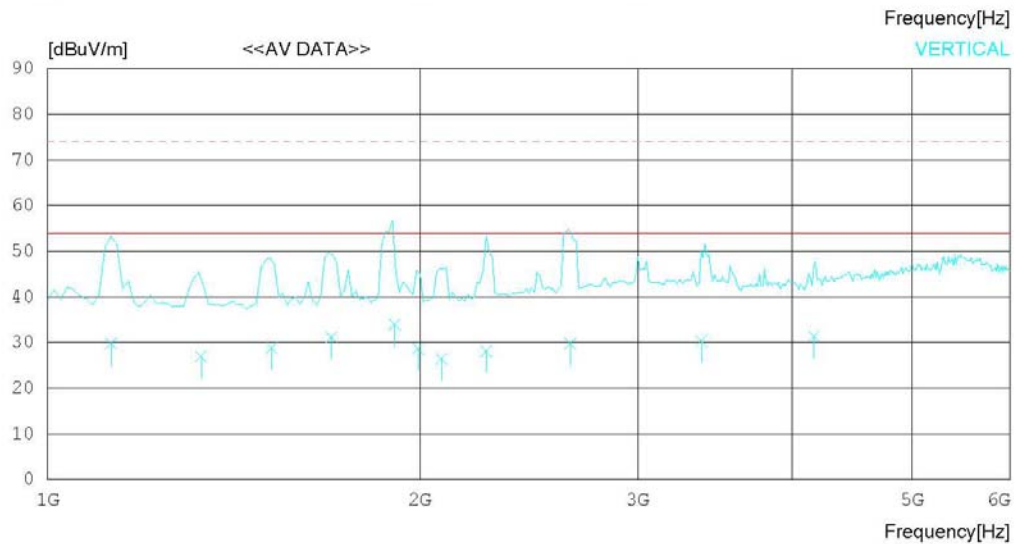
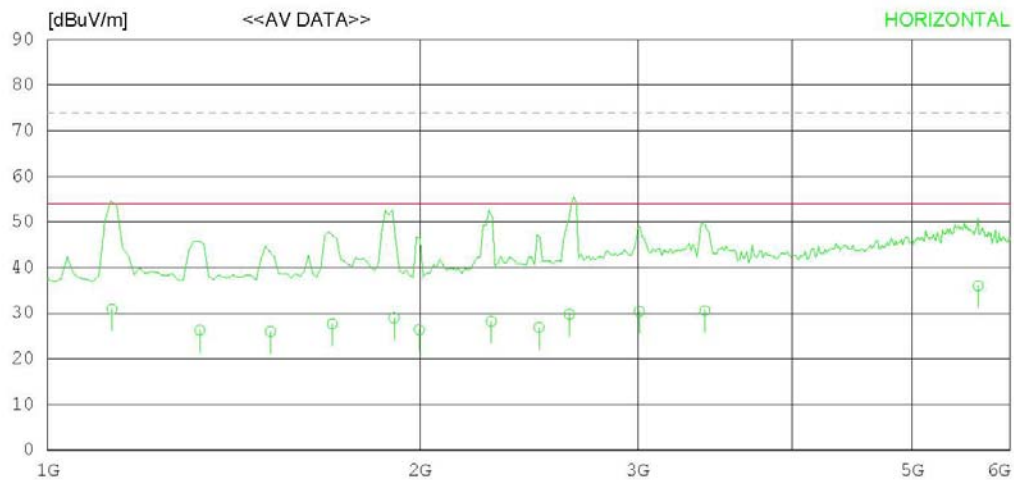
Date : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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 : 2013-05-15

Model Name : 55LP870H-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi : 22 °C 45 % 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	1127.421	44.2	24.1	3.5	40.9	30.9	54.0	23.1	100	152
2	1327.211	38.6	24.4	3.8	40.5	26.3	54.0	27.7	100	185
3	1513.910	37.4	24.6	4.1	40.1	26.0	54.0	28.0	100	192
4	1698.205	38.6	24.6	4.3	39.8	27.7	54.0	26.3	100	173
5	1905.705	39.4	24.6	4.6	39.6	29.0	54.0	25.0	100	160
6	1997.051	36.6	24.6	4.7	39.5	26.4	54.0	27.6	100	134
7	2283.750	36.4	26.2	5.0	39.4	28.2	54.0	25.8	100	199
8	2496.089	33.6	27.4	5.2	39.3	26.9	54.0	27.1	100	181
9	2641.698	35.8	27.9	5.4	39.3	29.8	54.0	24.2	100	166
10	3008.251	35.0	29.0	5.7	39.3	30.4	54.0	23.6	100	172
11	3398.755	34.7	28.9	6.1	39.1	30.6	54.0	23.4	100	221
12	5653.440	32.2	34.1	8.1	38.4	36.0	54.0	18.0	100	230
----- Vertical -----										
13	1126.250	43.1	24.1	3.5	40.9	29.8	54.0	24.2	100	187
14	1331.378	39.2	24.4	3.8	40.4	27.0	54.0	27.0	100	193
15	1518.076	40.2	24.6	4.1	40.0	28.9	54.0	25.1	100	177
16	1697.089	42.1	24.6	4.3	39.8	31.2	54.0	22.8	100	200
17	1907.641	44.4	24.6	4.6	39.6	34.0	54.0	20.0	100	163
18	1994.179	38.9	24.6	4.7	39.5	28.7	54.0	25.3	100	148
19	2082.320	36.1	25.0	4.8	39.4	26.5	54.0	27.5	100	201
20	2263.251	36.4	26.1	5.0	39.4	28.1	54.0	25.9	100	203
21	2646.487	35.8	27.9	5.4	39.3	29.8	54.0	24.2	100	184
22	3378.753	34.5	28.9	6.1	39.1	30.4	54.0	23.6	100	190
23	4166.025	32.6	30.4	6.8	38.4	31.4	54.0	22.6	100	184

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