



683-3, Yubang-Dong, Yongin-Si, Kyunggi-Do, Korea. 449-080

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

<http://www.digitalemcc.com>

FCC Test Report

for

LCD TV

Applicant : LG Electronics Inc.

Model Number : 47LD452C-UA

Manufacturer : LG Electronics Inc.

ANSI C 63.4:2003

Test Standard : FCC Part 15 Subpart B

(Type of Device : Class B Computing Device Peripheral (JBP))

Date of Tests : October 24 ~ November 04, 2010

Date of Issue : November 10, 2010

Tested by : D.H.EUN/Assistant Manager

Reviewed by : Y.K.SHIN/Manager

A handwritten signature in black ink, appearing to read "D.H.EUN", written over a horizontal line.

A handwritten signature in black ink, appearing to read "Y.K.SHIN", written over a horizontal line.

This test result only responds to the tested sample.

It is not allowed to copy this report even partly without the allowance of the test laboratory.

CONTENTS

1. General Remarks	3
2. Test Laboratory	3
3. General Information of EUT	4
3.1 Product Information	4
4. Test Summary	5
4.1 Summary of tests	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	7
6. Test Results : Emission	8
6.1 Conducted Emission	8
6.2 Radiated Emission	16

1. General Remarks

This Report describes the emission characteristics of the tested product.

If the product will be used with additional equipment other than those mentioned in this report or if the tested product will be used against the manufacture's specifications, the compliance with the relevant standards for the system has to be ensured.

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	Test Facility list & NSA Data
	Japan	VCCI	C-1427 R-1364, R-3385 T-1442	Test Facility list & NSA Data
Certification	Korea	KCC	KR0034	Test Facility list & NSA Data
	Germany	TUV	ROK0924C	ISO/IEC 17025

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

DIGITAL EMC CO., LTD.

Address: 683-3, Yubang-Dong, Yongin-Si, Kyunggi-Do, Korea. 449-080

<http://www.digitalemcc.com>

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

3. General Information of EUT

3.1 Product Information

Equipment under Test	LCD TV
Model No.	47LD452C-UA
Serial No	NONE
Type of Sample Tested	Pre-Production
Rating Power Supply	AC110V
High Frequency	667MHz
Supplied Power for Test	AC120V, 60Hz
Applicant	LG Electronics Inc. 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, Korea
Manufacturer	LG Electronics Inc. 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, Korea
Factory	LG Electronics Reynosa, Inc. LG Electronics USA, Inc_Reynosa 9801 South Cage Blvd. Suite 3F Pharr, TX. 78577
Date of Receipt of Sample	2010-10-25

< Product Specifications >

MODELS		32LD450 (32LD450-UA) 32LD452C (32LD452C-UA)	37LD450 (37LD450-UA) 37LD450C (37LD450C-UA) 37LD452C (37LD452C-UA)
Dimensions (Width x Height x Depth)	With stand	799.0 mm x 555.0 mm x 207.0 mm (31.4 inch x 21.8 inch x 8.1 inch)	916.0 mm x 625.0 mm x 261.0 mm (36.0 inch x 24.6 inch x 10.2 inch)
	Without stand	799.0 mm x 506.0 mm x 73.5 mm (31.4 inch x 19.9 inch x 2.8 inch)	916.0 mm x 575.0 mm x 77.4 mm (36.0 inch x 22.6 inch x 3.0 inch)
Weight	With stand	9.1 kg (20.0 lbs)	12.5 kg (27.5 lbs)
	Without stand	8.1 kg (17.8 lbs)	10.8 kg (23.8 lbs)
MODELS		42LD450 (42LD450-UA) 42LD450C (42LD450C-UA) 42LD451C (42LD451C-UA) 42LD452C (42LD452C-UA)	47LD450 (47LD450-UA) 47LD450C (47LD450C-UA) 47LD451C (47LD451C-UA) 47LD452C (47LD452C-UA)
Dimensions (Width x Height x Depth)	With stand	1023.0 mm x 685.0 mm x 261.0 mm (40.2 inch x 26.9 inch x 10.2 inch)	1136.0 mm x 757.0 mm x 270.0 mm (44.7 inch x 29.8 inch x 10.6 inch)
	Without stand	1023.0 mm x 635.0 mm x 76.6 mm (40.2 inch x 25.0 inch x 3.0 inch)	1136.0 mm x 698.0 mm x 76.5 mm (44.7 inch x 27.4 inch x 3.0 inch)
Weight	With stand	15.1 kg (33.2 lbs)	19.5 kg (42.9 lbs)
	Without stand	13.5 kg (29.7 lbs)	17.5 kg (38.5 lbs)

4. Test Summary

4.1 Summary of tests

The applied standards to evaluate the compliance of requirements is 47CFR Part 15, Subpart B and the measurement procedures specified in ANSI C63.4 are performed.

Test Items	Applied Standards	Status
Emission		
Conducted Emission	FCC Part 15 Subpart B	C
Radiated Emission	FCC Part 15 Subpart B	C
Note 1: C=Conform NC=Not Conform NT=Not Tested NA=Not Applicable		

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 1920*1080 MAX, "H" character scroll
- HDMI mode : Resolution 1920*1080 MAX, "H" character scroll
- USB mode : USB file play

EUT is the following operational conditions apply:

- a) Set the contrast control to maximum.
- b) Set the brightness control to maximum or at raster extinction if raster extinction occurs at less than maximum brightness.
- c) For color monitors, use white letters on a black background to represent all colors.
- d) Select the worse case of positive or negative video if both alternatives are available.
- e) Set character size and number of characters per line so that the typical maximum number of characters per screen is displayed.
- f) For a monitor that has no graphics capabilities, regardless of the video card used, a pattern consisting of random text shall be displayed. For a monitor with graphics capability, even though another videocard may be needed to accomplish a graphic display, a screen pattern consisting of lines of scrolling H's should be displayed. For a monitor that has no text capabilities, use a typical display. That pattern should be used for the remainder of the tests.

5.3 Support Equipment Used

Unit	Model No.	Serial No.	Manufacturer	CABLE			Backshell	FCC ID
				Connect type	Length (m)	shield		
PC	DN-V60	671K9NCP100 324M	SAMSUNG	PS/2	1.6	Shield	Plastic	DOC
				Power	1.8	Non-shield	Plastic	
				DSUB	1.8	Shield	Plastic	
				DVI to HDMI	2.0	Shield	Metal	
				LPT	1.9	Shield	Metal	
Mouse	SML-510PB	TAKS903519Z	MONITEREY INTERNATIONAL CORP	PS/2	1.6	Shield	Plastic	DOC
Keyboard	SKG-210PB	TAKZ129859B	MONITEREY INTERNATIONAL CORP	PS/2	1.6	Shield	Plastic	DOC
Printer	SRP-770	N/A	BIXOLON	Power	1.8	Non-shield	Plastic	DOC
				LPT	1.9	Shield	Metal	
USB Memory	X1	N/A	AXXEN	USB	-	-	Plastic	DOC

NOTE

- See "APPENDIX 1 Photographs" for actual system test setup

6. Test Results : Emission

6.1 Conducted Emission

RESULT : COMPLY

6.1.1 Measurement Procedure

In the range of 0.15MHz to 30MHz, the conducted emission was measured and set-up was made accordance with **ANSI C63.4:2003**.

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 TSJ conducted emission test software, the emissions were scanned from 150KHz to 30MHz 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 List of Test and Measurement Instruments

Name of Instrument	Model No.	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
EMI TEST RECEIVER	ESCI	100364	R&S	2010.05.12	2011.05.12
DC BLOCK	KFL-007	7-1581-5	Hyuplip	-	-
LISN	LISN1600	197204	TTI	2010.07.02	2011.07.02
LISN(EUT)	ESH2-Z5	828739/006	R&S	2010.10.01	2011.10.01
50 ohm Terminator	CT-01	N/A	TME	2010.01.12	2011.01.12

6.1.3 Limit for Conducted Emission

(1) Conducted Emission at mains ports of class A

Frequency range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	79	66
0.50 to 30	73	60
Note The lower limit shall apply at the transition frequencies.		

(2) Conducted Emission at mains ports of class B

Frequency range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	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.		

6.1.4 Test Result

Test date	October 24, 2010
Ambient Temperature	18 °C
Relative Humidity	36 % R.H.

Result : For the measurement data, see next page.

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

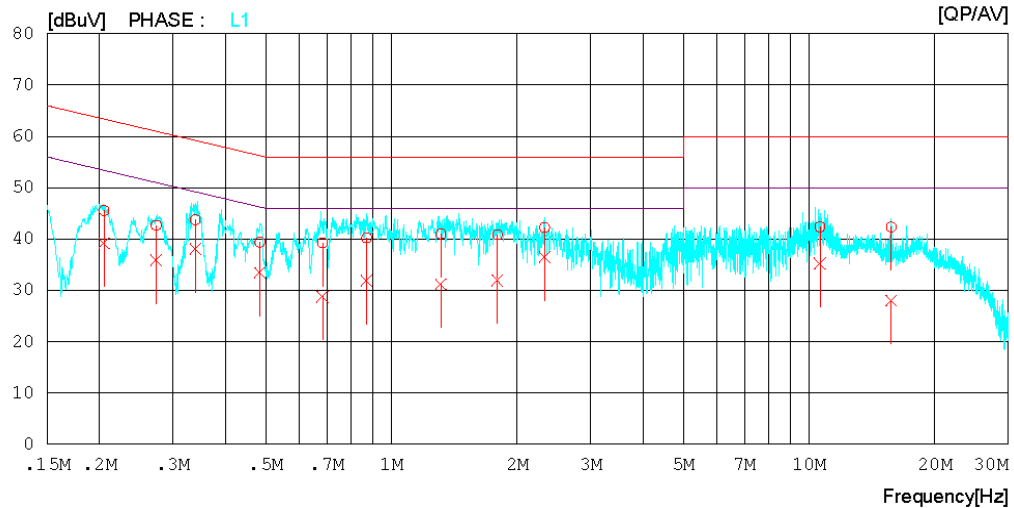
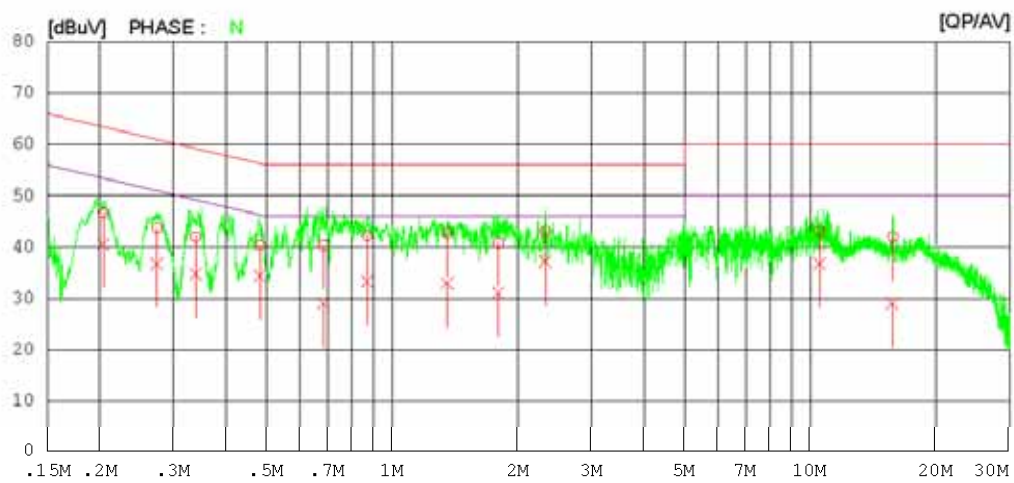
Digital EMC
Date : 2010/10/24

Model No. : 47LD452C-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi. : 18 °C 36 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2010/10/24

Model No. : 47LD452C-UA
Type :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi. : 18°C 36 % 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	0.20394	46.6	40.3	0.2	46.8	40.5	63.4	53.4	16.6	12.9	N
2	0.27381	43.5	36.5	0.2	43.7	36.7	61.0	51.0	17.3	14.3	N
3	0.33899	41.8	34.5	0.2	42.0	34.7	59.2	49.2	17.2	14.5	N
4	0.48371	40.1	34.2	0.2	40.3	34.4	56.3	46.3	16.0	11.9	N
5	0.68481	40.2	28.9	0.1	40.3	29.0	56.0	46.0	15.7	17.0	N
6	0.87084	42.0	33.1	0.2	42.2	33.3	56.0	46.0	13.8	12.7	N
7	1.35450	42.5	32.8	0.2	42.7	33.0	56.0	46.0	13.3	13.0	N
8	1.79200	40.6	30.8	0.2	40.8	31.0	56.0	46.0	15.2	15.0	N
9	2.32400	42.9	37.0	0.2	43.1	37.2	56.0	46.0	12.9	8.8	N
10	10.50850	42.8	36.4	0.4	43.2	36.8	60.0	50.0	16.8	13.2	N
11	15.71200	41.4	28.4	0.6	42.0	29.0	60.0	50.0	18.0	21.0	N
12	0.20499	45.4	39.0	0.2	45.6	39.2	63.4	53.4	17.8	14.2	L1
13	0.27330	42.5	35.7	0.2	42.7	35.9	61.0	51.0	18.3	15.1	L1
14	0.33905	43.6	37.9	0.2	43.8	38.1	59.2	49.2	15.4	11.1	L1
15	0.48418	39.2	33.2	0.2	39.4	33.4	56.3	46.3	16.9	12.9	L1
16	0.68318	39.2	28.7	0.1	39.3	28.8	56.0	46.0	16.7	17.2	L1
17	0.87194	40.0	31.7	0.2	40.2	31.9	56.0	46.0	15.8	14.1	L1
18	1.31300	40.8	31.0	0.2	41.0	31.2	56.0	46.0	15.0	14.8	L1
19	1.79250	40.7	31.8	0.2	40.9	32.0	56.0	46.0	15.1	14.0	L1
20	2.32550	42.0	36.2	0.2	42.2	36.4	56.0	46.0	13.8	9.6	L1
21	10.60850	42.0	34.8	0.4	42.4	35.2	60.0	50.0	17.6	14.8	L1
22	15.70950	41.7	27.5	0.6	42.3	28.1	60.0	50.0	17.7	21.9	L1

< HDMI MODE >



Results of Conducted Emission

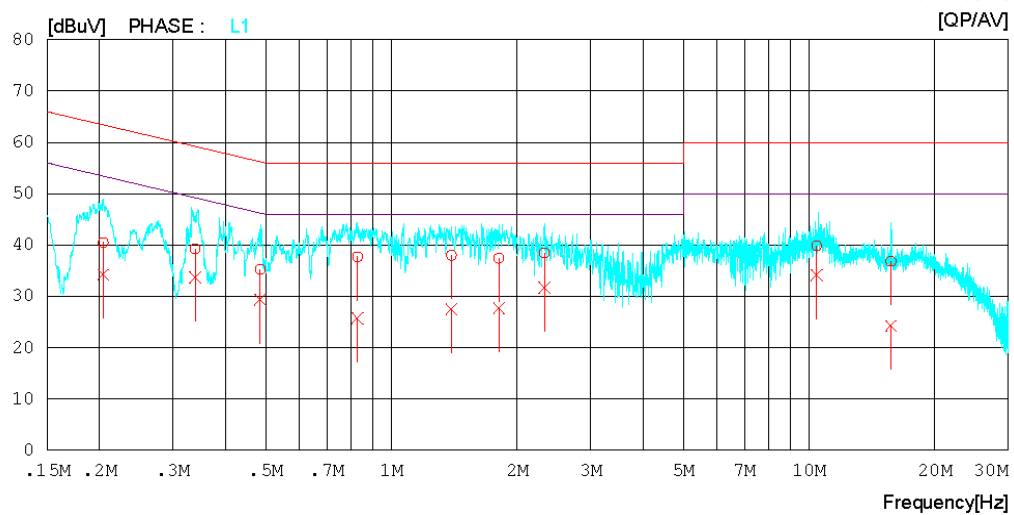
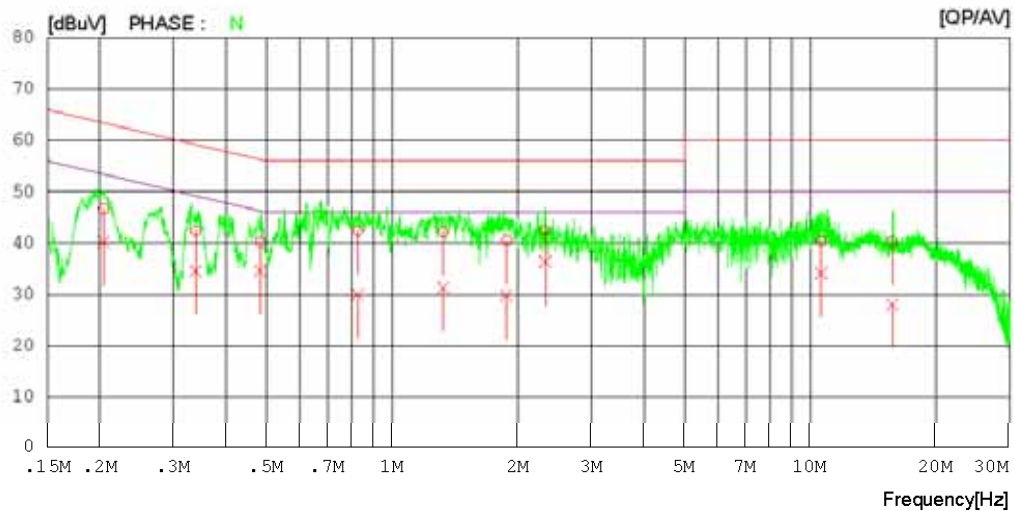
Digital EMC
Date : 2010/10/24

Model No. : 47LD452C-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi. : 18 °C 36 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2010/10/24

Model No. : 47LD452C-UA
Type :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi. : 18°C 36 % 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	0.20406	46.5	40.0	0.2	46.7	40.2	63.4	53.4	16.7	13.2	N
2	0.33896	42.2	34.4	0.2	42.4	34.6	59.2	49.2	16.8	14.6	N
3	0.48390	40.0	34.4	0.2	40.2	34.6	56.3	46.3	16.1	11.7	N
4	0.82868	42.2	29.8	0.2	42.4	30.0	56.0	46.0	13.6	16.0	N
5	1.32350	42.0	31.1	0.2	42.2	31.3	56.0	46.0	13.8	14.7	N
6	1.87650	40.4	29.6	0.2	40.6	29.8	56.0	46.0	15.4	16.2	N
7	2.32250	42.3	36.2	0.2	42.5	36.4	56.0	46.0	13.5	9.6	N
8	10.60200	39.9	33.7	0.4	40.3	34.1	60.0	50.0	19.7	15.9	N
9	15.68750	39.7	27.5	0.6	40.3	28.1	60.0	50.0	19.7	21.9	N
10	0.20400	40.3	34.0	0.2	40.5	34.2	63.4	53.4	22.9	19.2	L1
11	0.33885	39.1	33.5	0.2	39.3	33.7	59.2	49.2	19.9	15.5	L1
12	0.48519	35.1	29.1	0.2	35.3	29.3	56.2	46.2	20.9	16.9	L1
13	0.82896	37.5	25.5	0.2	37.7	25.7	56.0	46.0	18.3	20.3	L1
14	1.39150	37.8	27.3	0.2	38.0	27.5	56.0	46.0	18.0	18.5	L1
15	1.80750	37.2	27.5	0.2	37.4	27.7	56.0	46.0	18.6	18.3	L1
16	2.32300	38.2	31.5	0.2	38.4	31.7	56.0	46.0	17.6	14.3	L1
17	10.41350	39.4	33.7	0.4	39.8	34.1	60.0	50.0	20.2	15.9	L1
18	15.69400	36.2	23.7	0.6	36.8	24.3	60.0	50.0	23.2	25.7	L1

< USB MODE >



Results of Conducted Emission

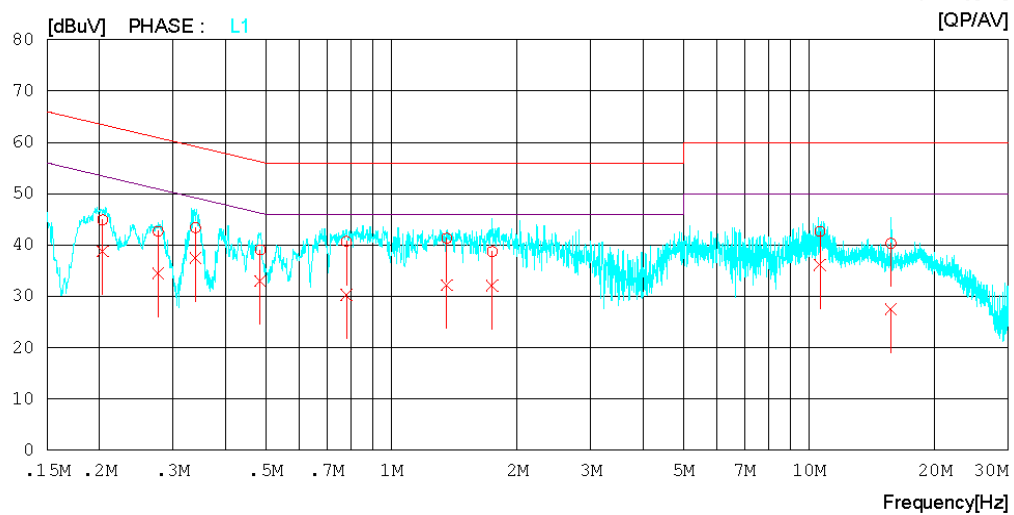
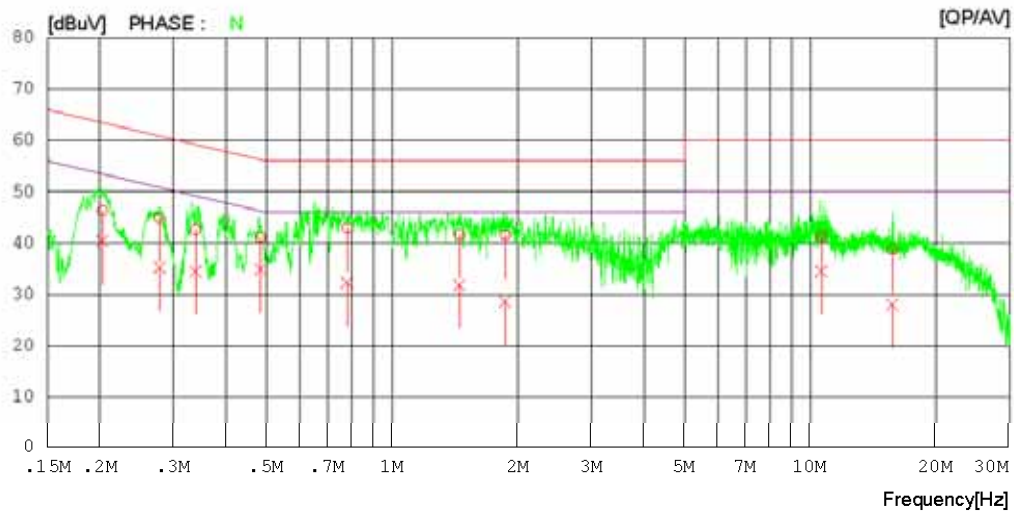
Digital EMC
Date : 2010/10/24

Model No. : 47LD452C-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi. : 18 °C 36 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
Date : 2010/10/24

Model No. : 47LD452C-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi. : 18°C 36 % 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	0.20280	46.2	40.2	0.2	46.4	40.4	63.5	53.5	17.1	13.1	N
2	0.27789	44.7	35.1	0.2	44.9	35.3	60.9	50.9	16.0	15.6	N
3	0.33903	42.5	34.3	0.2	42.7	34.5	59.2	49.2	16.5	14.7	N
4	0.48481	41.0	34.7	0.2	41.2	34.9	56.3	46.3	15.1	11.4	N
5	0.77988	42.8	32.0	0.2	43.0	32.2	56.0	46.0	13.0	13.8	N
6	1.44900	41.5	31.7	0.2	41.7	31.9	56.0	46.0	14.3	14.1	N
7	1.86450	41.4	28.4	0.2	41.6	28.6	56.0	46.0	14.4	17.4	N
8	10.60850	41.0	34.1	0.4	41.4	34.5	60.0	50.0	18.6	15.5	N
9	15.69200	38.1	27.4	0.6	38.7	28.0	60.0	50.0	21.3	22.0	N
10	0.20328	44.7	38.6	0.2	44.9	38.8	63.5	53.5	18.6	14.7	L1
11	0.27631	42.5	34.3	0.2	42.7	34.5	60.9	50.9	18.2	16.4	L1
12	0.33943	43.2	37.3	0.2	43.4	37.5	59.2	49.2	15.8	11.7	L1
13	0.48453	38.9	32.8	0.2	39.1	33.0	56.3	46.3	17.2	13.3	L1
14	0.77959	40.5	30.1	0.2	40.7	30.3	56.0	46.0	15.3	15.7	L1
15	1.35550	41.1	32.0	0.2	41.3	32.2	56.0	46.0	14.7	13.8	L1
16	1.74300	38.5	31.9	0.2	38.7	32.1	56.0	46.0	17.3	13.9	L1
17	10.60600	42.3	35.7	0.4	42.7	36.1	60.0	50.0	17.3	13.9	L1
18	15.69450	39.7	26.9	0.6	40.3	27.5	60.0	50.0	19.7	22.5	L1

6.2 Radiated Emission

RESULT : COMPLY

6.2.1 Measurement Procedure

The radiated emission was measured and set-up was made accordance with **ANSI C63.4:2003**.

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 **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 List of Test and Measurement Instruments

Radiated Emission (10m Chamber)					
Name of Instrument	Model No.	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
EMI Test Receiver	ESU	100014	R&S	2010.01.29	2011.01.29
Bilog Antenna	CBL6112B	2737	SCHAFFNER	2010.07.14	2011.07.14
Horn Antenna	BBHA9120A	322	SCHWARZBECK	2010.04.13	2011.04.13
Amplifier(22dB)	8447E	2945A02865	H/P	2010.01.29	2011.01.29
Low Noise Preamplifier	MLA-00108-B02-36	1518831	TSJ	2010.02.08	2011.02.08
Controller	5905A	N/A	TOKIN	-	-
ANT.master	N/A	N/A	TOKIN	-	-

6.2.3 Limit of Radiated Emission

- The test frequency range of Radiated Emission 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 limits (dB μ V/m)	Quasi-peak limits (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.		
30 to 230	40	30
230 to 1000	47	37

(2) Limits for Radiated Emission in the frequency range 1000 - 2000MHz at a measuring distance of 10m

Frequency (GHz)	Class A Equipment		Class B Equipment	
	peak (dB μ V/m)	peak (dB μ V/m)	peak (dB μ V/m)	Average (dB μ V/m)
1 to 2	69.5	49.5	63.5	43.5

(3) 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)	peak (dB μ V/m)	peak (dB μ V/m)	Average (dB μ V/m)
1 to 40	80	60	74	54

6.2.4 Test Result

Test date	October 28, 2010	November 01, 2010	November 04, 2010
Ambient Temperature	22 °C	18 °C	20 °C
Relative Humidity	45 % R.H.	42 % R.H.	28 % R.H.

Result : For the measurement data, see next page

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 >

- 30MHz-1GHz

**RADIATED EMISSION**

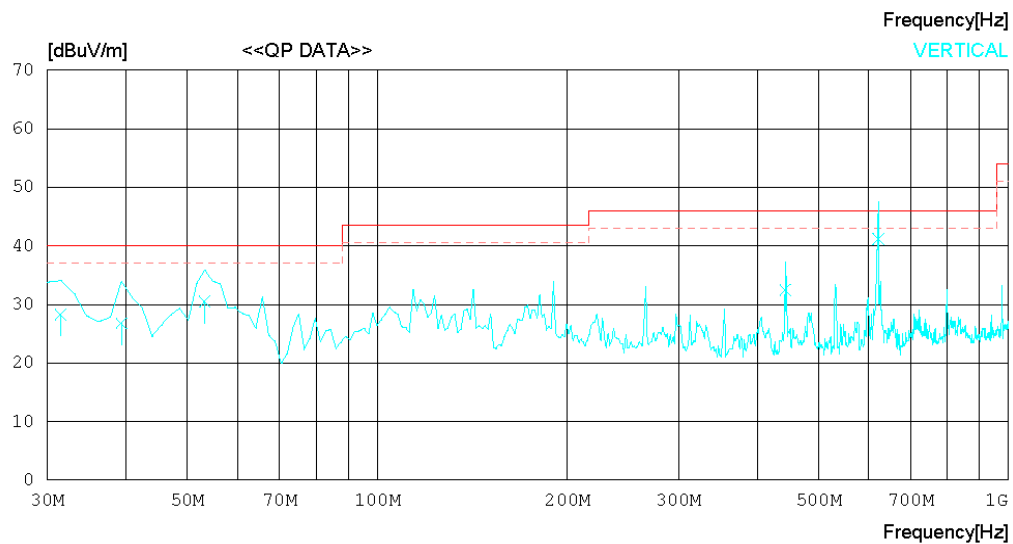
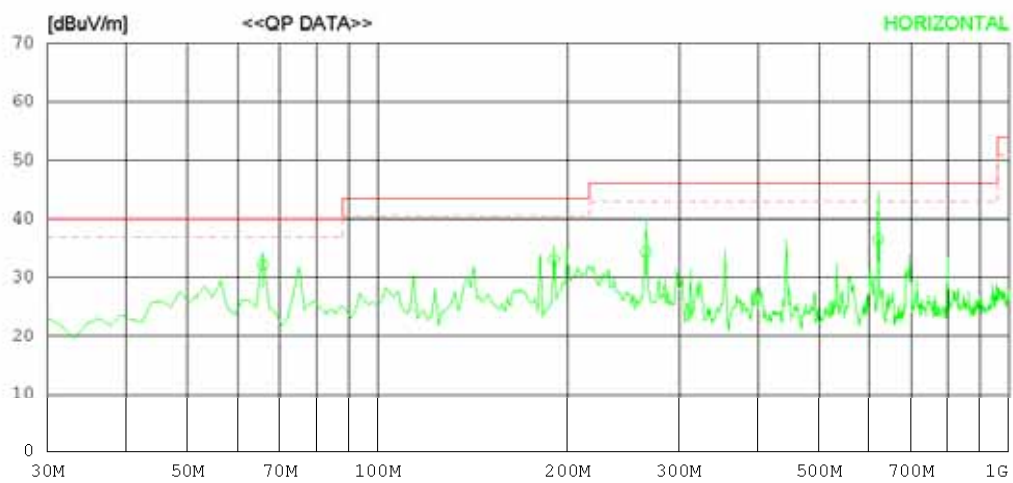
Date : 2010-11-01

Model Name : 47LD452C-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 18 °C 42 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2010-11-01

Model Name : 47LD452C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18°C 42 % 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	65.753	47.9	6.0	1.0	22.7	32.2	40.0	7.8	304	157
2	190.112	45.0	9.8	1.6	23.3	33.1	43.5	10.4	100	358
3	266.100	42.7	13.3	1.9	23.6	34.3	46.0	11.7	100	358
4	619.933	39.0	18.8	3.0	24.3	36.5	46.0	9.5	109	98
----- Vertical -----										
5	31.500	33.0	17.2	0.7	22.6	28.3	40.0	11.7	199	358
6	39.327	34.3	14.3	0.8	22.6	26.8	40.0	13.2	100	186
7	53.317	44.2	8.1	0.9	22.7	30.5	40.0	9.5	100	1
8	442.920	37.7	16.7	2.5	24.4	32.5	46.0	13.5	100	65
9	622.259	43.7	18.8	3.0	24.3	41.2	46.0	4.8	100	55

- 1GHz-3GHz_Peak



RADIATED EMISSION

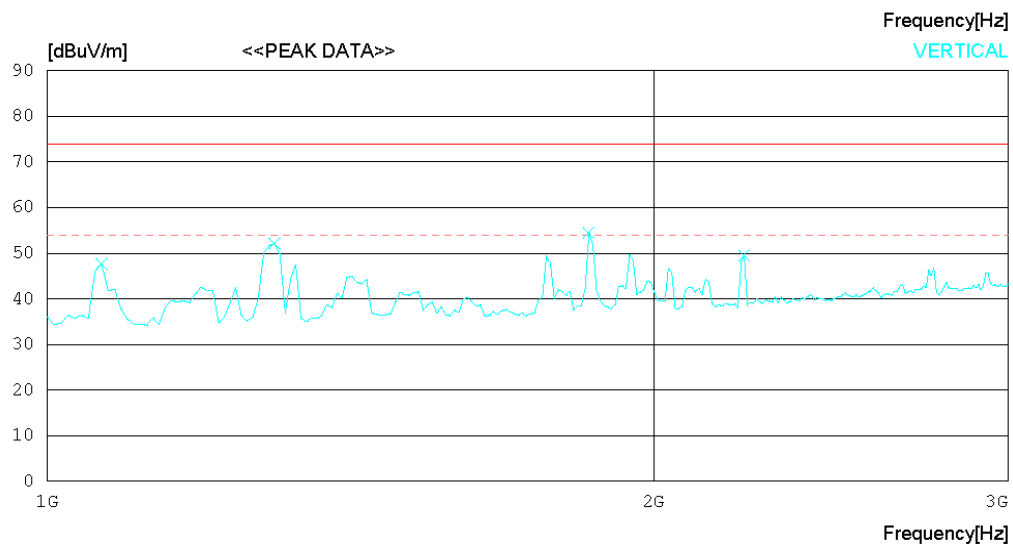
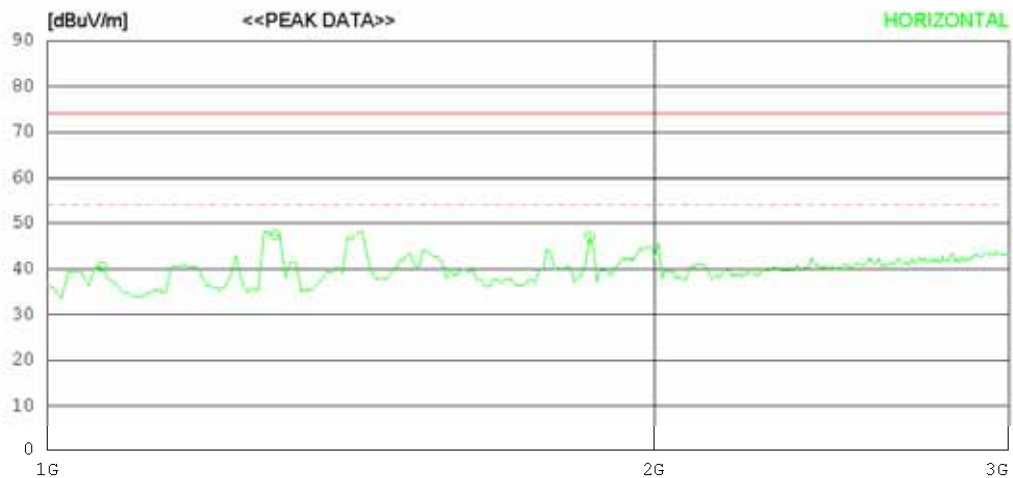
Date : 2010-10-28

Model Name : 47LD450C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 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 : 2010-10-28

Model Name	:	47LD450C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
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	1064.103	53.6	23.8	5.0	41.9	40.5	74.0	33.5	201	24
2	1296.474	59.3	24.5	5.5	41.9	47.4	74.0	26.6	100	24
3	1857.371	57.0	25.2	6.7	41.9	47.0	74.0	27	100	1
----- Vertical -----										
4	1064.103	60.7	23.8	5.0	41.9	47.6	74.0	26.4	100	358
5	1296.474	64.0	24.5	5.5	41.9	52.1	74.0	21.9	100	358
6	1857.371	64.5	25.2	6.7	41.9	54.5	74.0	19.5	100	26
7	2217.951	57.9	26.1	7.3	41.8	49.5	74.0	24.5	100	358

- 1GHz-3GHz_Average



RADIATED EMISSION

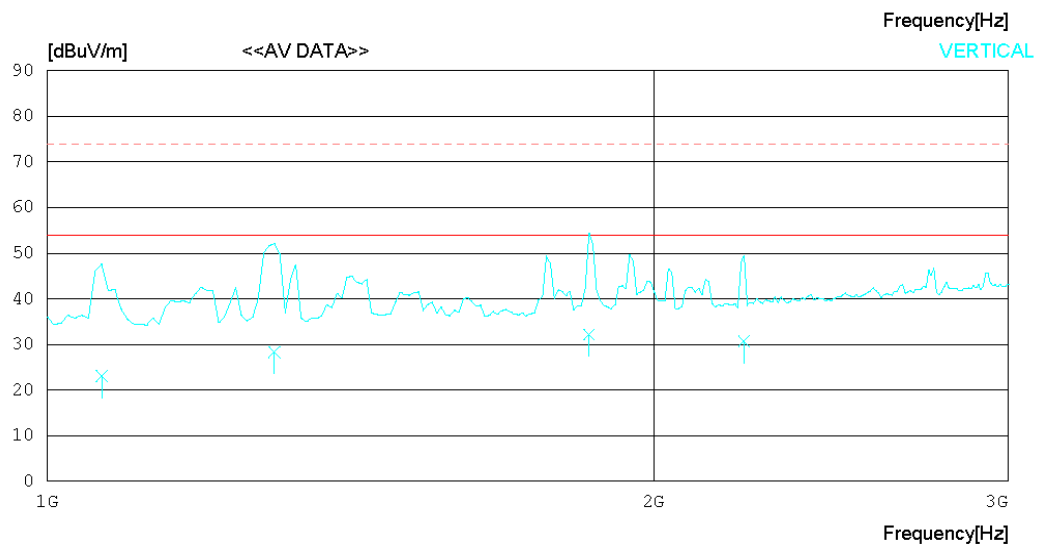
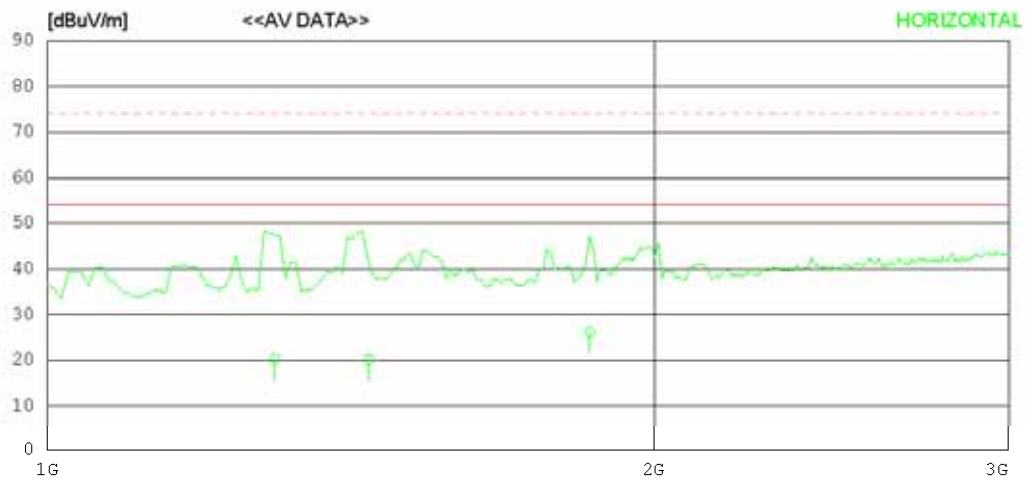
Date : 2010-10-28

Model Name : 47LD450C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 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 : 2010-10-28

Model Name	:	47LD450C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	AV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	1296.474	32.2	24.5	5.5	41.9	20.3	54.0	33.7	100	24
2	1443.650	31.2	25.0	5.8	41.9	20.1	54.0	33.9	201	24
3	1857.371	36.2	25.2	6.7	41.9	26.2	54.0	27.8	100	1
----- Vertical -----										
4	1064.103	36.2	23.8	5.0	41.9	23.1	54.0	30.9	100	358
5	1296.474	40.2	24.5	5.5	41.9	28.3	54.0	25.7	100	358
6	1857.371	42.2	25.2	6.7	41.9	32.2	54.0	21.8	100	26
7	2217.951	39.1	26.1	7.3	41.8	30.7	54.0	23.3	100	358

- 3GHz-6GHz_Peak



RADIATED EMISSION

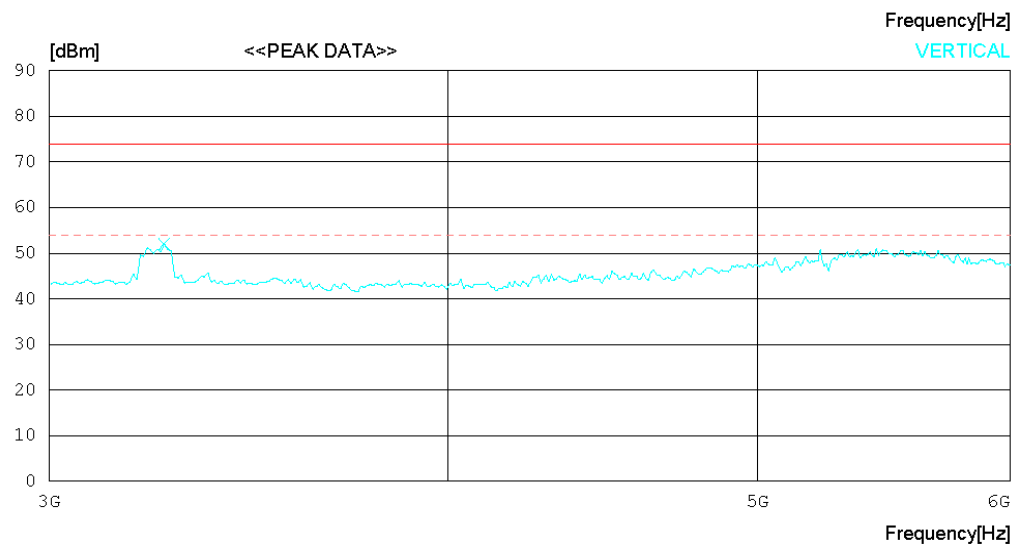
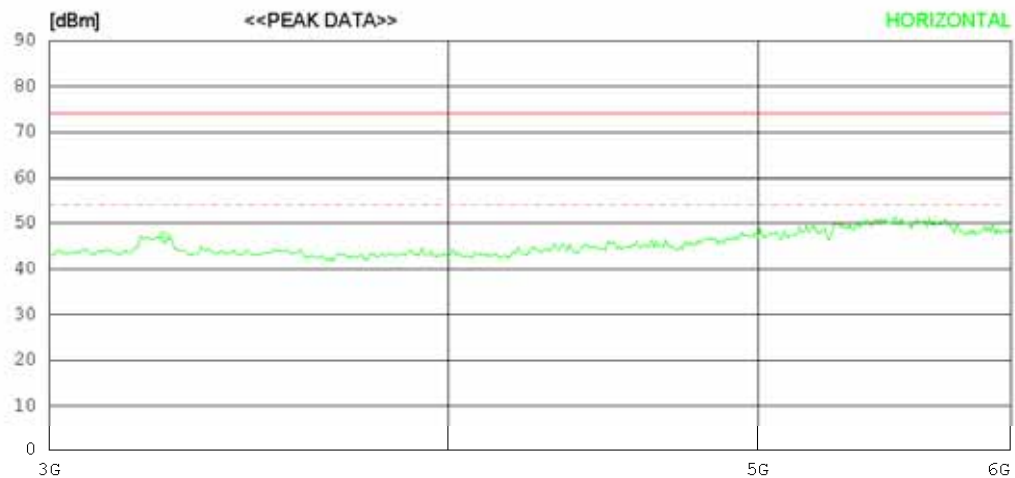
Date : 2010-10-28

Model Name : 47LD450C-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
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 : 2010-10-28

Model Name	:	47LD450C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
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 [dBm]	LIMIT [dBm]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	3259.633	50.0	29.0	9.1	41.1	47.0	74.0	27	201	0
----- Vertical -----										
2	3259.633	55.0	29.0	9.1	41.1	52.0	74.0	22	100	358

- 3GHz-6GHz_Average



RADIATED EMISSION

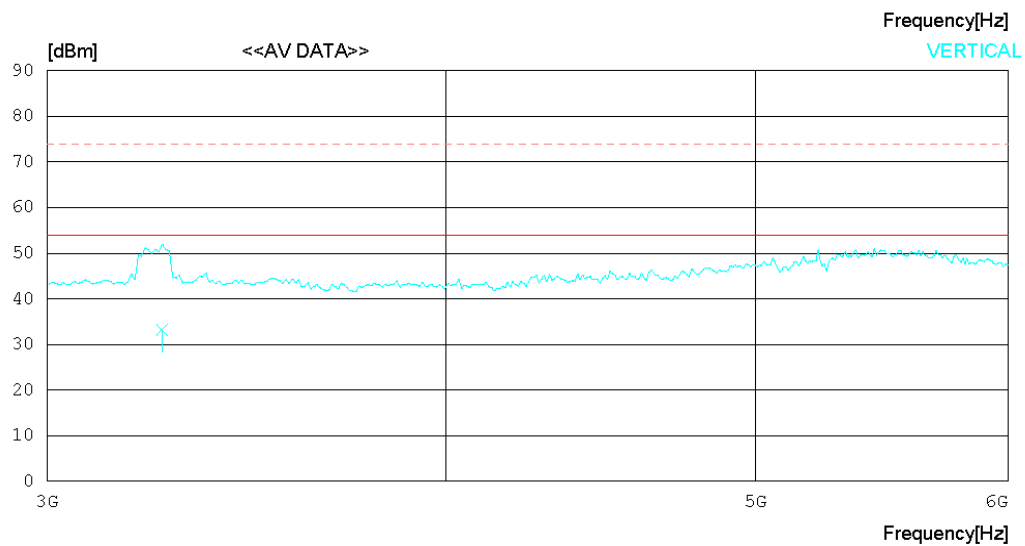
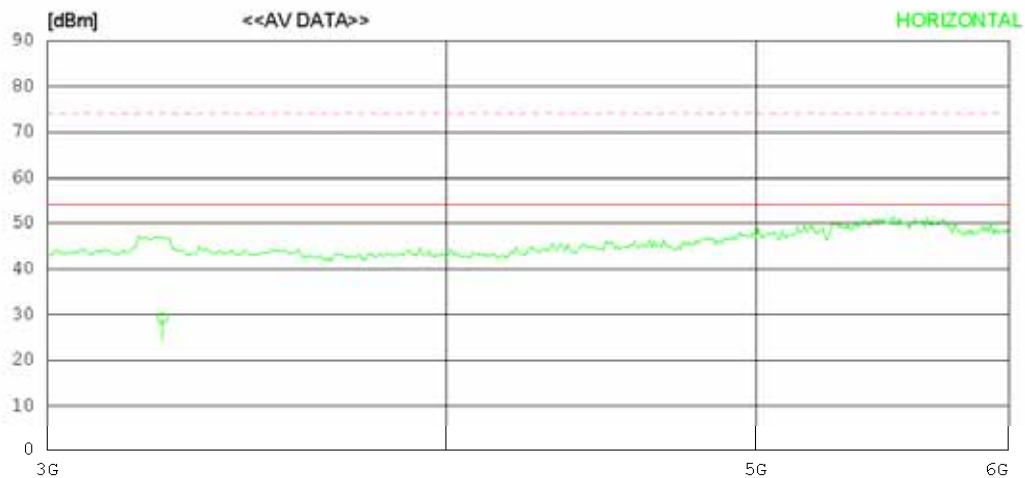
Date : 2010-10-28

Model Name : 47LD450C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 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 : 2010-10-28

Model Name	:	47LD450C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
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 [dBm]	LIMIT [dBm]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	3259.633	32.2	29.0	9.1	41.1	29.2	54.0	24.8	201	0
----- Vertical -----										
2	3259.633	36.2	29.0	9.1	41.1	33.2	54.0	20.8	100	358

< HDMI MODE >

- 30MHz-1GHz



RADIATED EMISSION

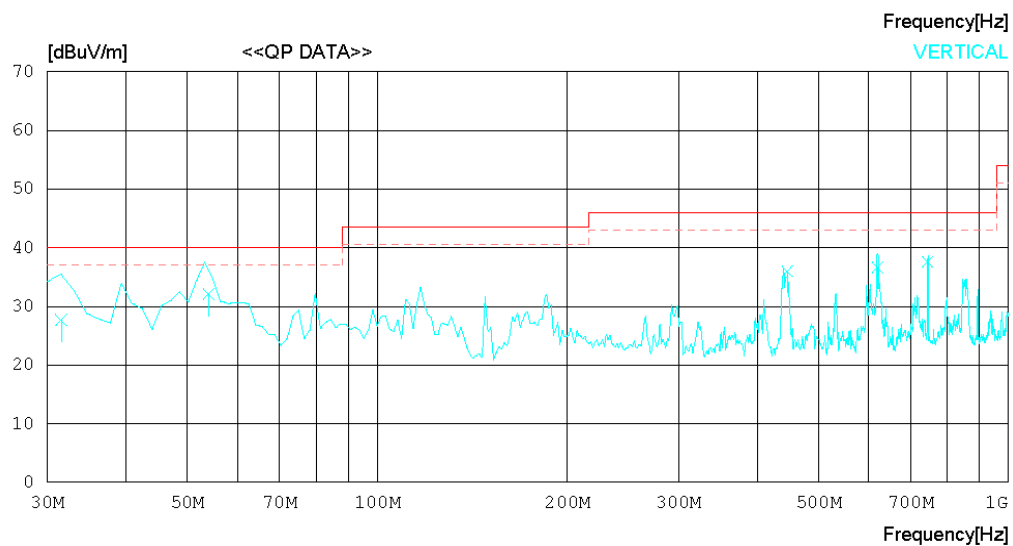
Date : 2010-11-01

Model Name : 47LD452C-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 18°C 42 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2010-11-01

Model Name	:	47LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	18°C 42 % 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	148.797	47.7	10.5	1.4	23.0	36.6	43.5	6.9	100	358
2	620.731	33.8	18.8	3.0	24.3	31.3	46.0	14.7	100	358
3	678.221	34.7	18.9	3.1	24.2	32.5	46.0	13.5	100	168
----- Vertical -----										
4	31.554	32.4	17.2	0.7	22.6	27.7	40.0	12.3	199	358
5	54.000	46.0	7.9	0.9	22.7	32.1	40.0	7.9	100	230
6	446.402	41.1	16.8	2.5	24.4	36.0	46.0	10.0	100	192
7	620.704	39.2	18.8	3.0	24.3	36.7	46.0	9.3	100	25
8	743.997	38.7	19.5	3.4	24.0	37.6	46.0	8.4	100	182

- 1GHz-3GHz_Peak



RADIATED EMISSION

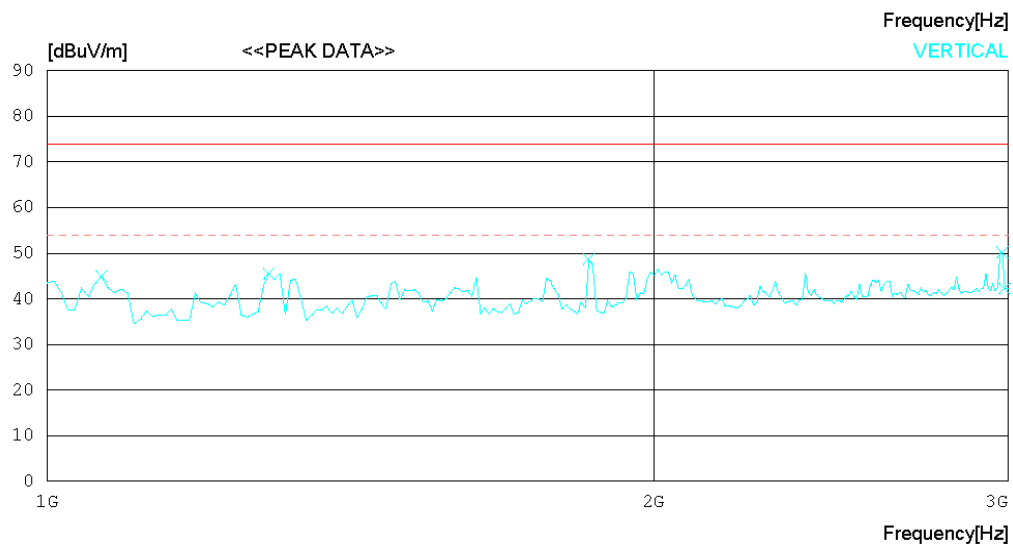
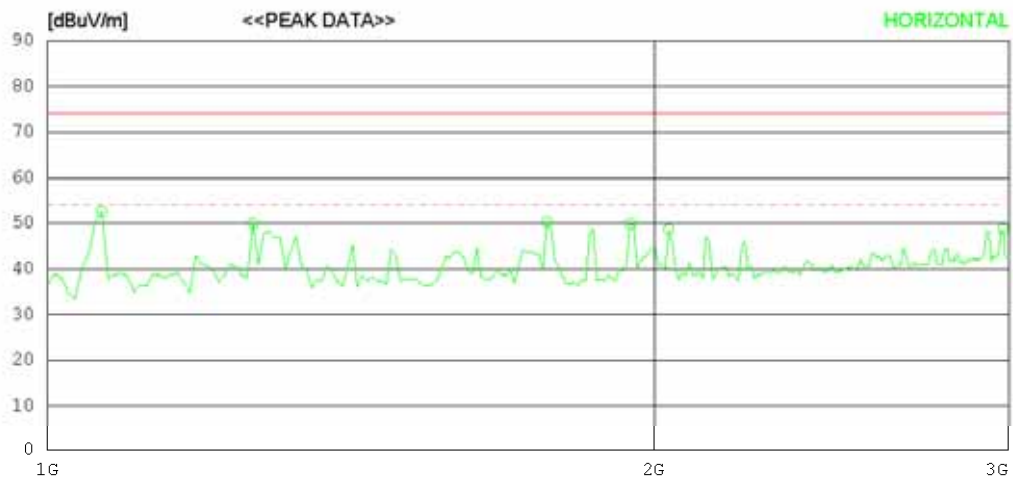
Date : 2010-11-04

Model Name : 47LD452C-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 20 °C 28 % 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 : 2010-11-04

Model Name	:	47LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 28 % 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	1064.103	65.7	23.8	5.0	41.9	52.6	74.0	21.4	100	358
2	1264.423	62.1	24.4	5.4	41.9	50.0	74.0	24	100	42
3	1769.230	60.5	25.2	6.5	41.9	50.3	74.0	23.7	100	168
4	1945.512	59.7	25.2	6.9	41.9	49.9	74.0	24.1	100	326
5	2033.653	58.2	25.3	7.1	41.9	48.7	74.0	25.3	100	318
6	2979.180	52.5	28.8	8.7	41.3	48.7	74.0	25.3	100	358
----- Vertical -----										
7	1064.103	58.0	23.8	5.0	41.9	44.9	74.0	29.1	100	1
8	1288.461	57.4	24.5	5.5	41.9	45.5	74.0	28.5	100	1
9	1857.371	58.7	25.2	6.7	41.9	48.7	74.0	25.3	100	216
10	2979.180	54.0	28.8	8.7	41.3	50.2	74.0	23.8	100	285
11	2987.193	46.1	28.8	8.7	41.3	42.3	74.0	31.7	100	1

- 1GHz-3GHz_Average



RADIATED EMISSION

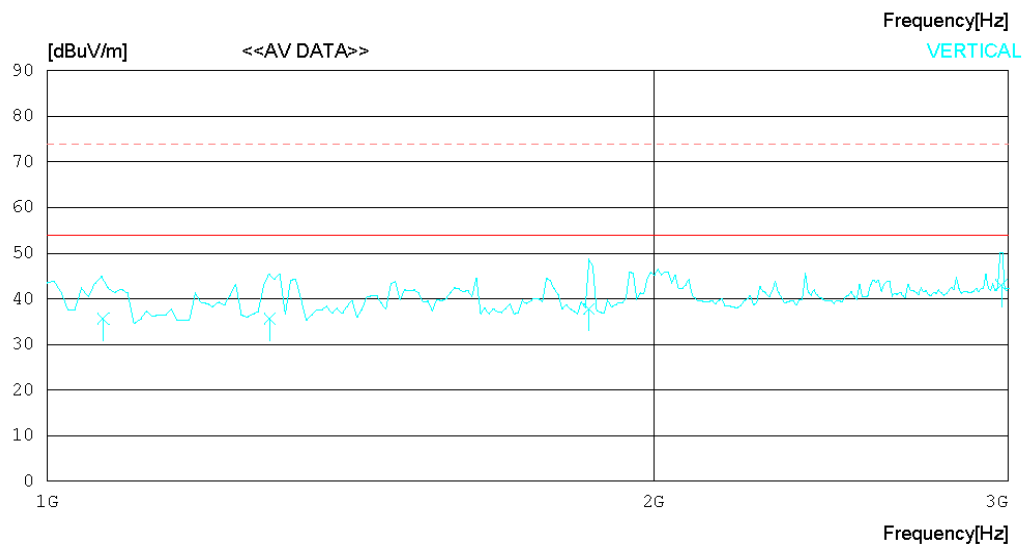
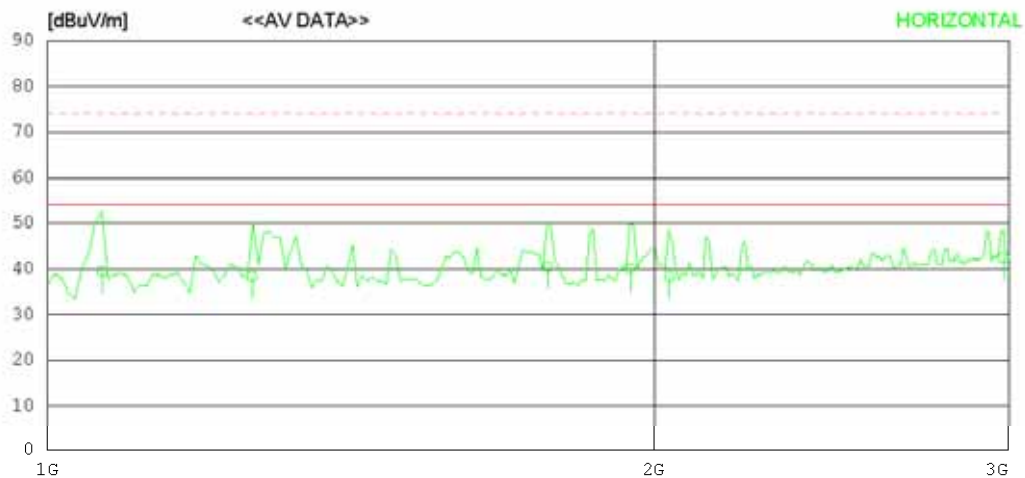
Date : 2010-11-04

Model Name : 47LD452C-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 20 °C 28 % 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 : 2010-11-04

Model Name	:	47LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 28 % 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	1064.357	52.6	23.8	5.0	41.9	39.5	54.0	14.5	100	358
2	1263.370	50.4	24.4	5.4	41.9	38.3	54.0	15.7	100	42
3	1770.213	50.6	25.2	6.5	41.9	40.4	54.0	13.6	100	168
4	1946.662	49.8	25.2	6.9	41.9	40.0	54.0	14.0	100	326
5	2034.771	47.8	25.3	7.1	41.9	38.3	54.0	15.7	100	318
6	2981.331	46.3	28.8	8.7	41.3	42.5	54.0	11.5	100	358
----- Vertical -----										
7	1066.322	48.8	23.8	5.0	41.9	35.7	54.0	18.3	100	1
8	1289.656	47.6	24.5	5.5	41.9	35.7	54.0	18.3	100	1
9	1857.447	47.8	25.2	6.7	41.9	37.8	54.0	16.2	100	216
10	2976.354	46.9	28.7	8.7	41.3	43.0	54.0	11.0	100	285

- 3GHz-6GHz_Peak



RADIATED EMISSION

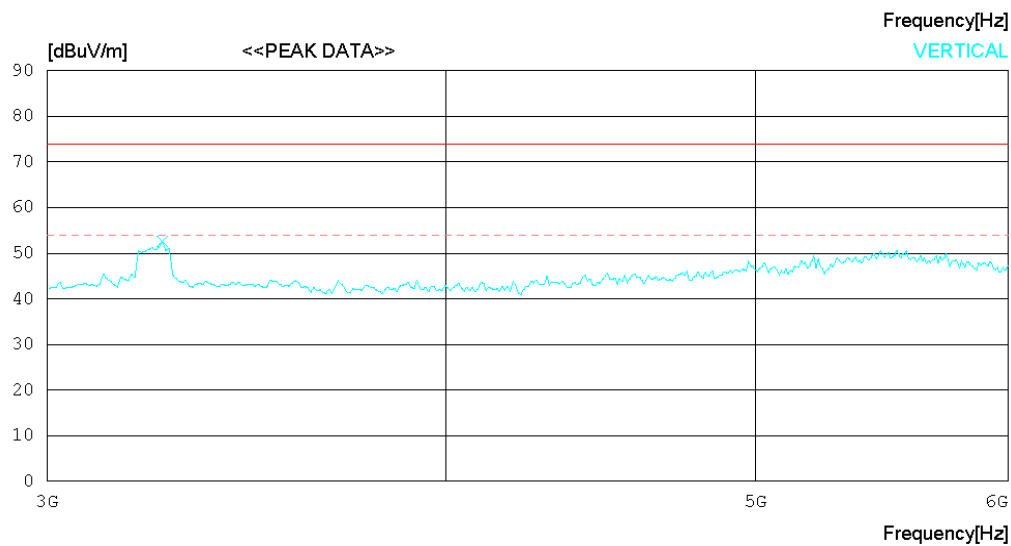
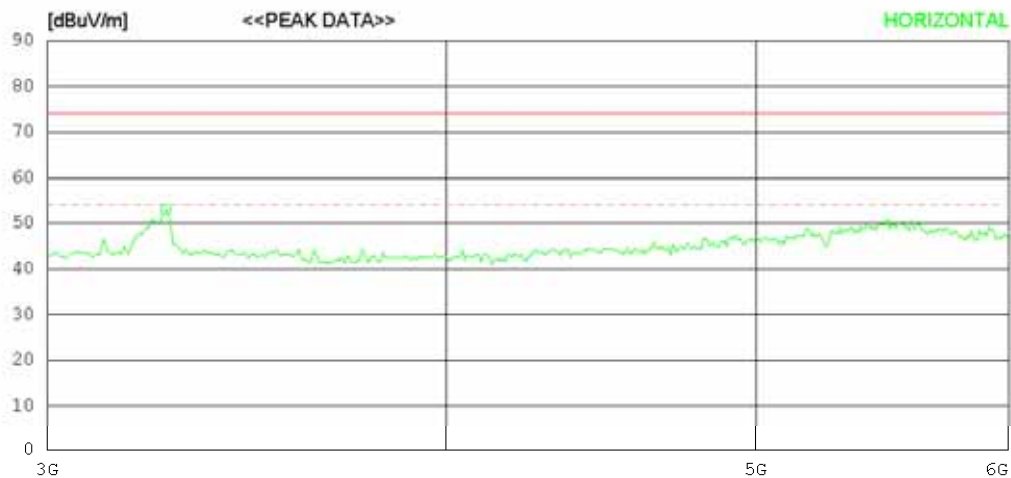
Date : 2010-11-04

Model Name : 47LD452C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 20 °C 28 % 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 : 2010-11-04

Model Name	:	47LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 28 % 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	3267.646	56.0	29.0	9.1	41.1	53.0	74.0	21	100	358
----- Vertical -----										
2	3259.633	55.6	29.0	9.1	41.1	52.6	74.0	21.4	100	213

- 3GHz-6GHz_Average



RADIATED EMISSION

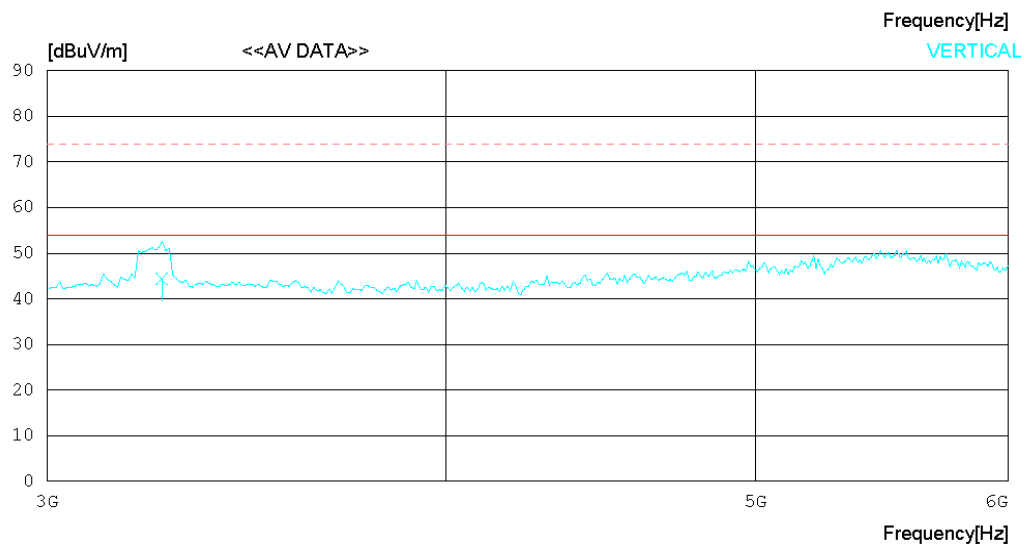
Date : 2010-11-04

Model Name : 47LD452C-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 20 °C 28 % 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 : 2010-11-04

Model Name	:	47LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 28 % 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	3266.941	48.2	29.0	9.1	41.1	45.2	54.0	8.8	100	358
----- Vertical -----										
2	3257.814	47.4	29.0	9.1	41.1	44.4	54.0	9.6	100	213

< USB MODE >

- 30MHz-1GHz



RADIATED EMISSION

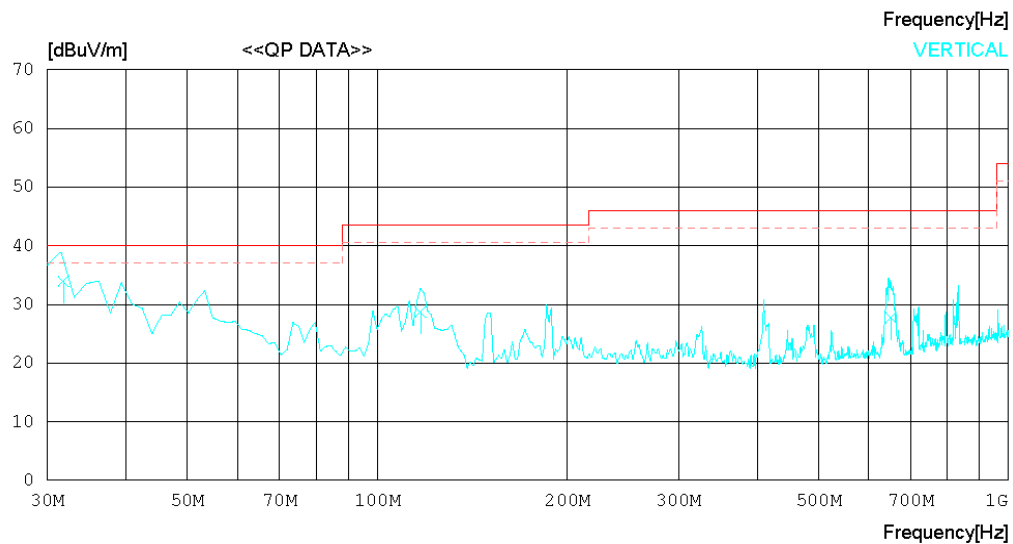
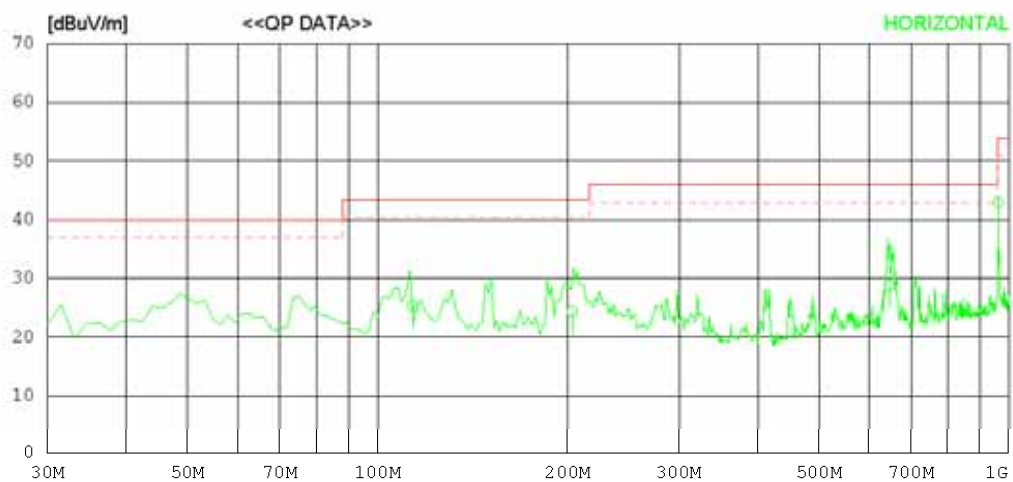
Date : 2010-11-01

Model Name : 47LD452C-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 18°C 42 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2010-11-01

Model Name	:	47LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	18°C 42 % 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	113.570	35.5	11.3	1.3	22.8	25.3	43.5	18.2	201	358
2	203.326	36.0	9.9	1.7	23.3	24.3	43.5	19.2	100	158
3	646.367	31.3	18.8	3.0	24.3	28.8	46.0	17.2	201	128
4	961.490	41.2	21.0	3.7	22.9	43.0	54.0	11.0	201	0
----- Vertical -----										
5	31.817	38.6	17.2	0.7	22.6	33.9	40.0	6.1	199	162
6	117.051	38.7	11.5	1.3	22.8	28.7	43.5	14.8	100	358
7	651.967	30.1	18.8	3.1	24.3	27.7	46.0	18.3	199	206

- 1GHz-3GHz_Peak



RADIATED EMISSION

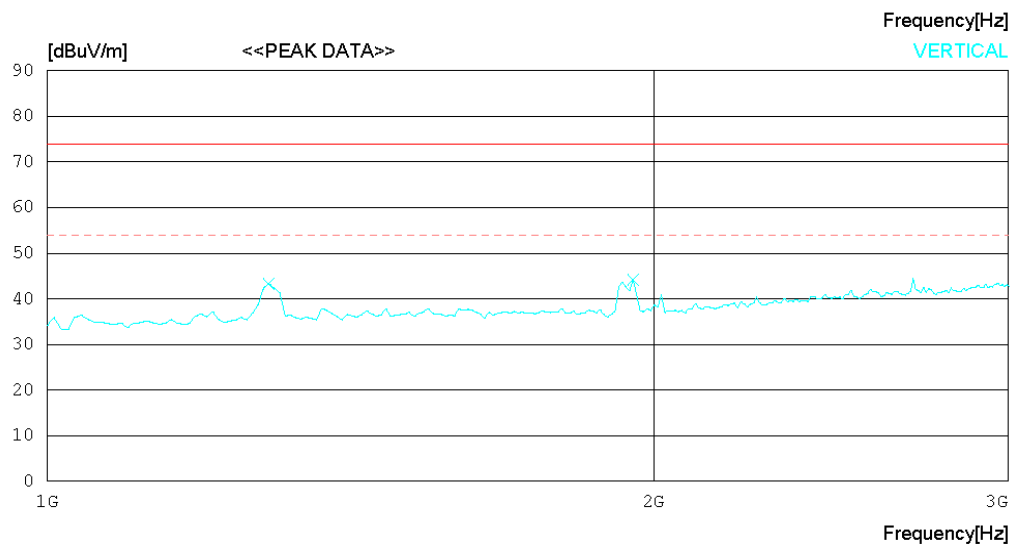
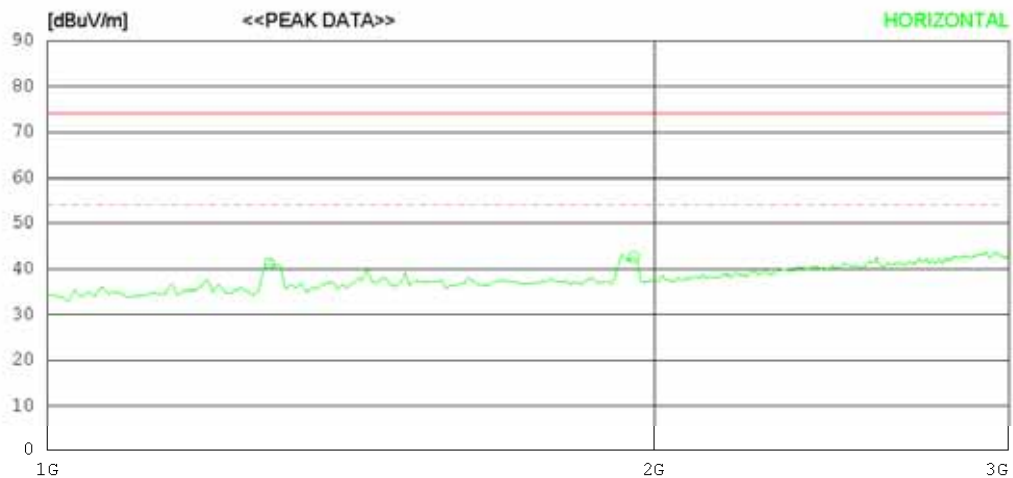
Date : 2010-10-28

Model Name : 47LD450C-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
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 : 2010-10-28

Model Name	: 47LD450C-UA	Reference No.	:	
Model No.	:	Power Supply	:	120V 60Hz
Serial No.	:	Temp/Humi	:	22°C 45%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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	1288.461	53.0	24.5	5.5	41.9	41.1	74.0	32.9	100	32
2	1953.525	52.4	25.2	6.9	41.9	42.6	74.0	31.4	100	1
----- Vertical -----										
3	1288.461	55.2	24.5	5.5	41.9	43.3	74.0	30.7	100	358
4	1953.525	54.0	25.2	6.9	41.9	44.2	74.0	29.8	100	358

- 1GHz-3GHz_Average



RADIATED EMISSION

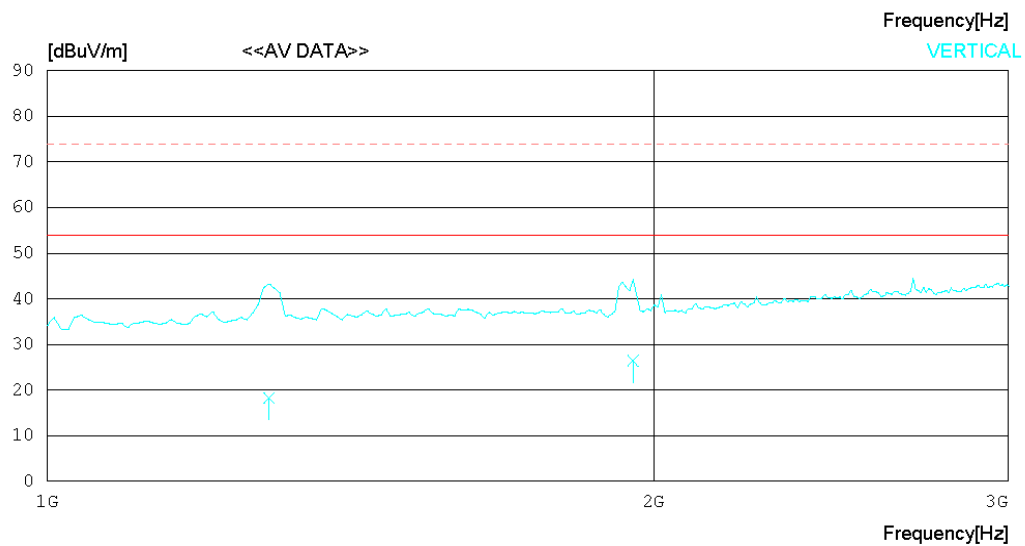
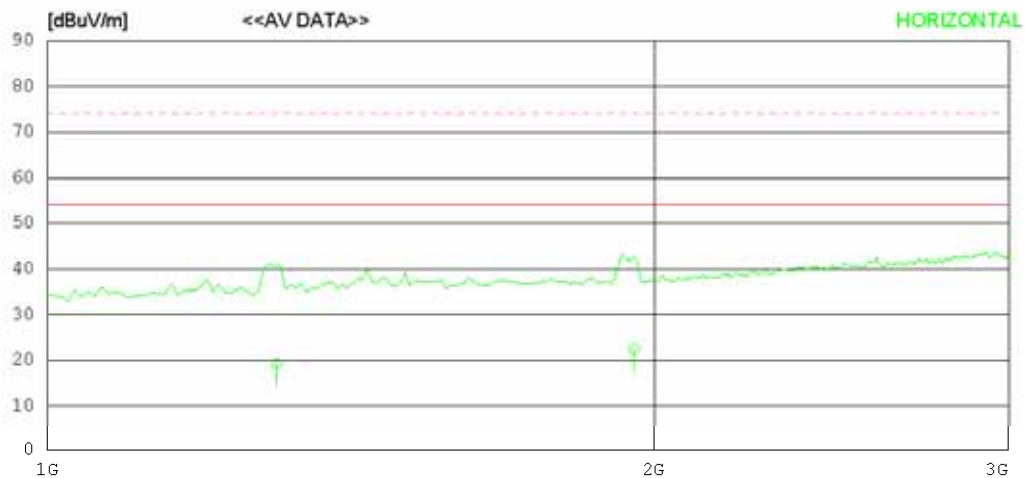
Date : 2010-10-28

Model Name : 47LD450C-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
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 : 2010-10-28

Model Name	:	47LD450C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	22°C 45%R.H.
Test Condition	:	USB	Operator	:	

Memo :

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

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	AV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	1299.200	31.2	24.5	5.5	41.9	19.3	54.0	34.7	100	32
2	1954.250	32.2	25.2	6.9	41.9	22.4	54.0	31.6	100	1
----- Vertical -----										
3	1288.461	30.2	24.5	5.5	41.9	18.3	54.0	35.7	100	358
4	1953.525	36.2	25.2	6.9	41.9	26.4	54.0	27.6	100	358

- 3GHz-6GHz_Peak



RADIATED EMISSION

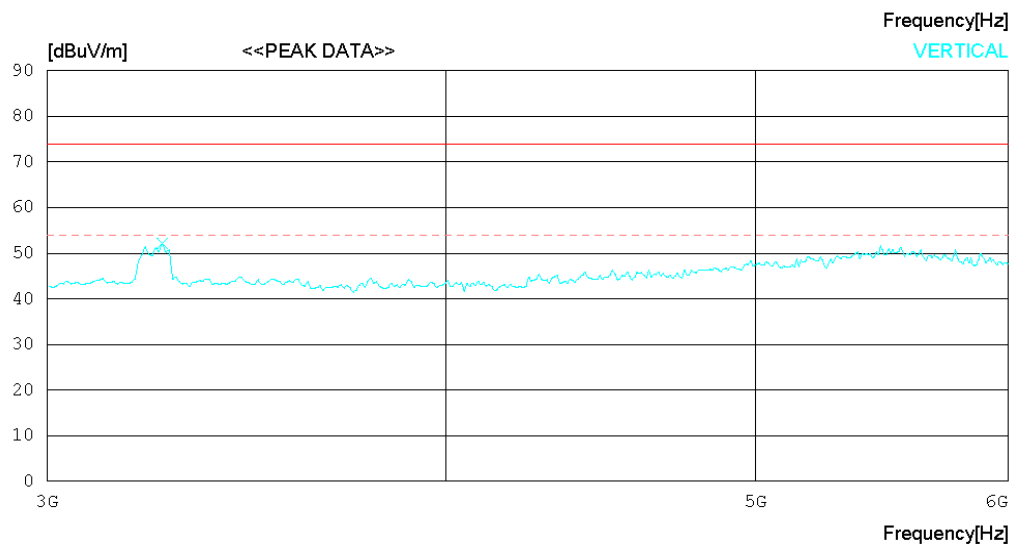
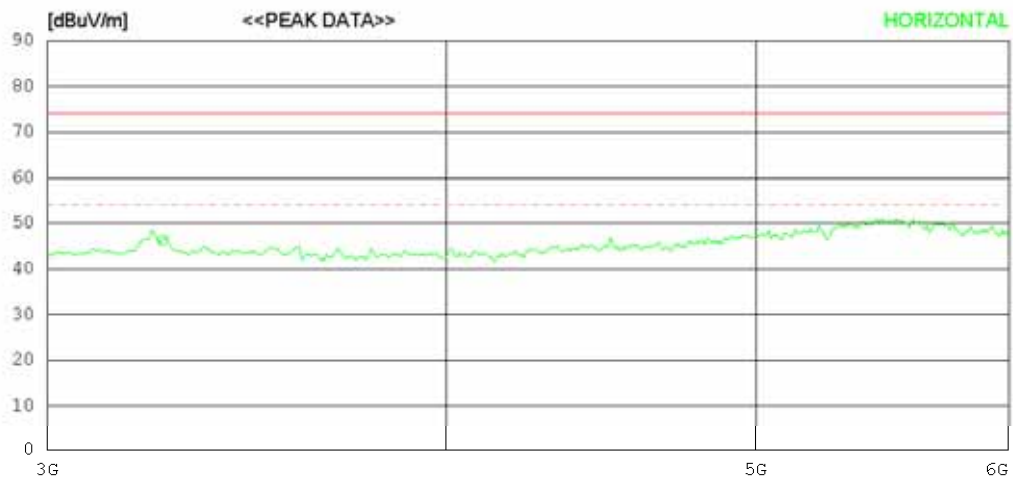
Date : 2010-10-28

Model Name : 47LD450C-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
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 : 2010-10-28

Model Name	: 47LD450C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 22°C 45%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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
		PEAK	FACTOR							
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	3259.633	49.3	29.0	9.1	41.1	46.3	74.0	27.7	200	0
----- Vertical -----										
2	3259.633	55.2	29.0	9.1	41.1	52.2	74.0	21.8	100	0

- 3GHz-6GHz_Average



RADIATED EMISSION

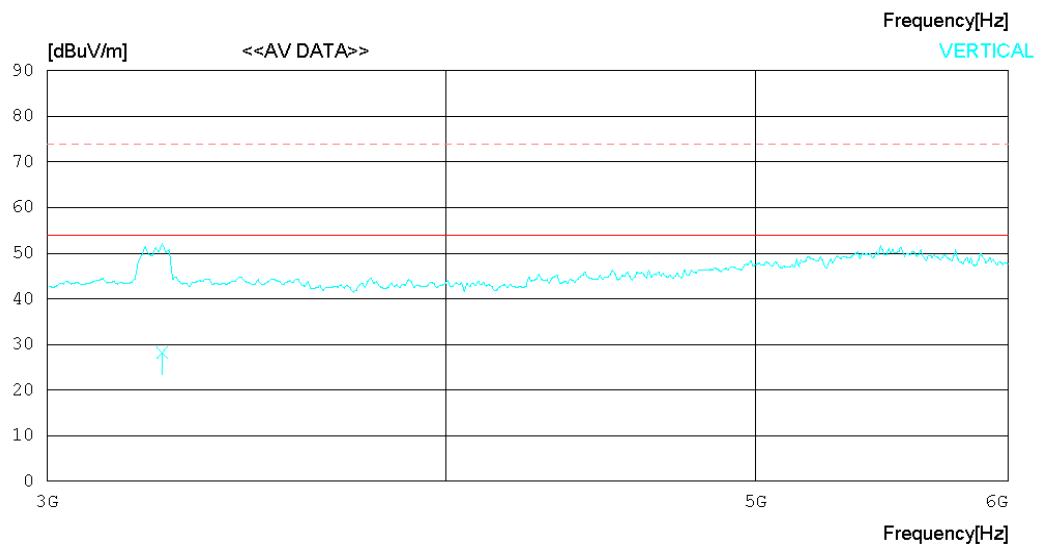
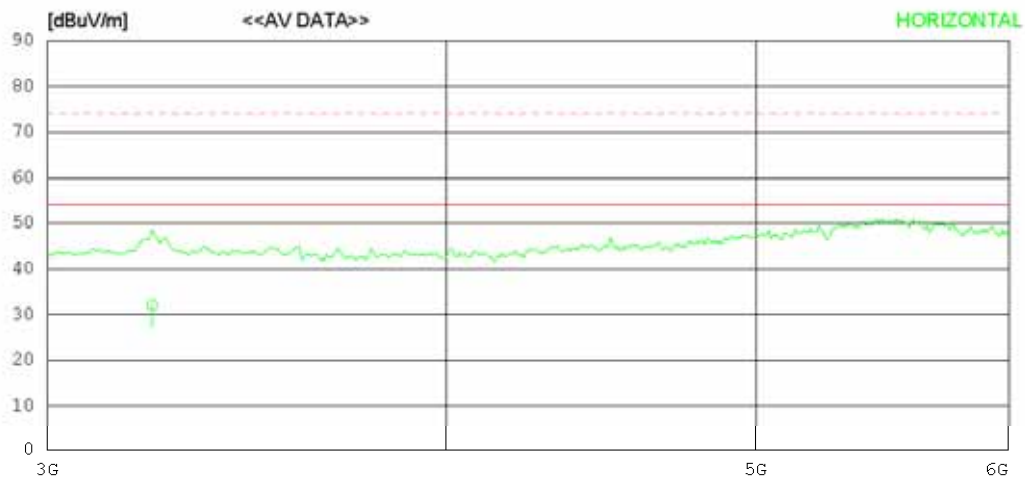
Date : 2010-10-28

Model Name : 47LD450C-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
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 : 2010-10-28

Model Name	:	47LD450C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	22°C 45%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	3235.594	35.2	29.0	9.1	41.2	32.1	54.0	21.9	100	339
----- Vertical -----										
2	3259.633	31.2	29.0	9.1	41.1	28.2	54.0	25.8	100	0