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<http://www.digitalemcc.com>

FCC Test Report

for

LCD TV

Applicant : LG Electronics Inc.

Model Number : 42LD452C-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.

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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

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3. General Information of EUT

3.1 Product Information

Equipment under Test	LCD TV
Model No.	42LD452C-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(μ V)	
	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(μ V)	
	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

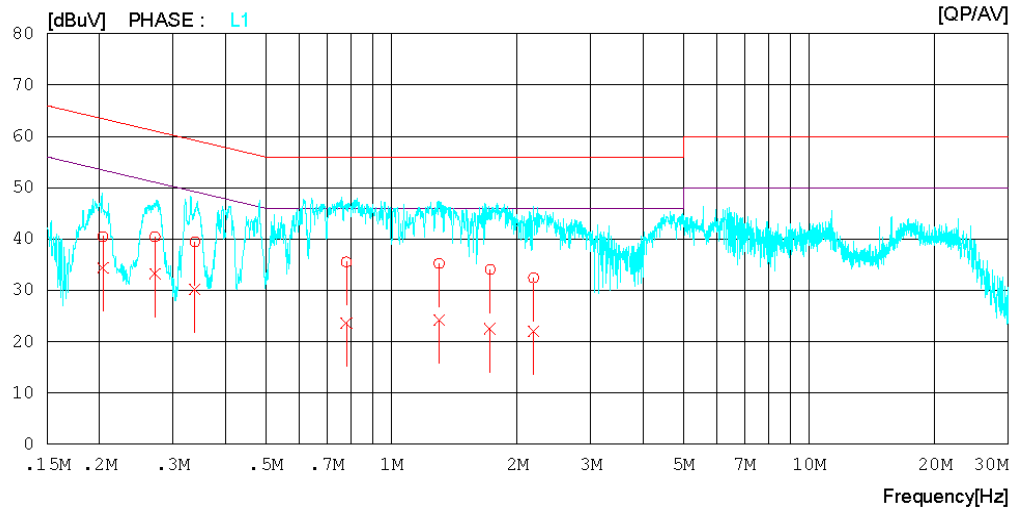
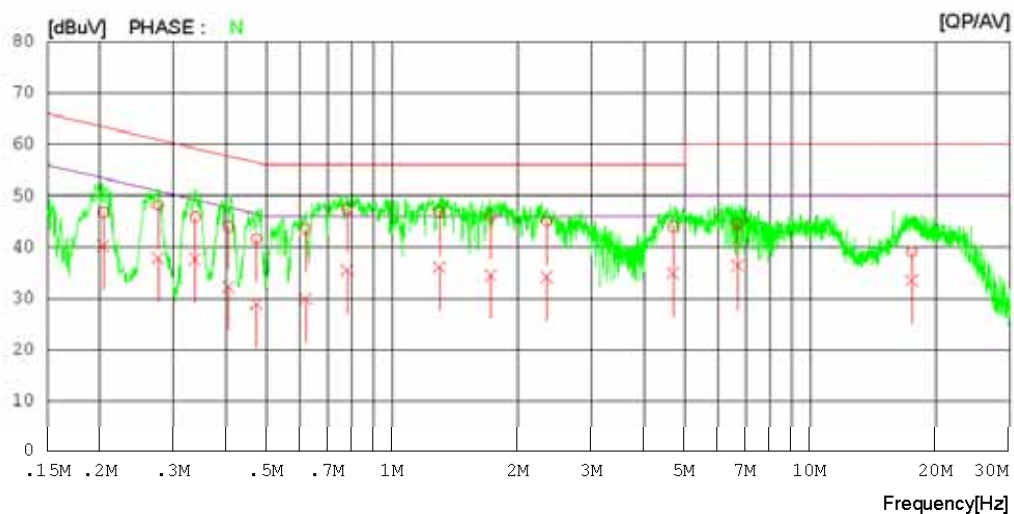
Digital EMC
Date : 2010/10/24

Model No. : 42LD452C-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. : 42LD452C-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	0.20370	46.5	39.9	0.2	46.7	40.1	63.5	53.5	16.8	13.4	N
2	0.27563	47.9	37.7	0.2	48.1	37.9	60.9	50.9	12.8	13.0	N
3	0.33808	45.6	37.4	0.2	45.8	37.6	59.3	49.3	13.5	11.7	N
4	0.40580	43.9	32.1	0.2	44.1	32.3	57.7	47.7	13.6	15.4	N
5	0.47320	41.4	28.7	0.2	41.6	28.9	56.5	46.5	14.9	17.6	N
6	0.62078	43.4	29.8	0.1	43.5	29.9	56.0	46.0	12.5	16.1	N
7	0.77930	47.2	35.2	0.2	47.4	35.4	56.0	46.0	8.6	10.6	N
8	1.29700	46.7	35.9	0.2	46.9	36.1	56.0	46.0	9.1	9.9	N
9	1.72150	45.9	34.3	0.2	46.1	34.5	56.0	46.0	9.9	11.5	N
10	2.33750	44.9	34.0	0.2	45.1	34.2	56.0	46.0	10.9	11.8	N
11	4.69550	43.7	34.6	0.3	44.0	34.9	56.0	46.0	12.0	11.1	N
12	6.68550	44.3	36.1	0.3	44.6	36.4	60.0	50.0	15.4	13.6	N
13	17.45950	38.4	32.8	0.7	39.1	33.5	60.0	50.0	20.9	16.5	N
14	0.20376	40.3	34.2	0.2	40.5	34.4	63.5	53.5	23.0	19.1	L1
15	0.27161	40.2	33.0	0.2	40.4	33.2	61.1	51.1	20.7	17.9	L1
16	0.33813	39.2	30.1	0.2	39.4	30.3	59.2	49.2	19.8	18.9	L1
17	0.77919	35.4	23.5	0.2	35.6	23.7	56.0	46.0	20.4	22.3	L1
18	1.30000	35.0	24.0	0.2	35.2	24.2	56.0	46.0	20.8	21.8	L1
19	1.72200	33.9	22.3	0.2	34.1	22.5	56.0	46.0	21.9	23.5	L1
20	2.18800	32.3	21.8	0.2	32.5	22.0	56.0	46.0	23.5	24.0	L1

< HDMI MODE >



Results of Conducted Emission

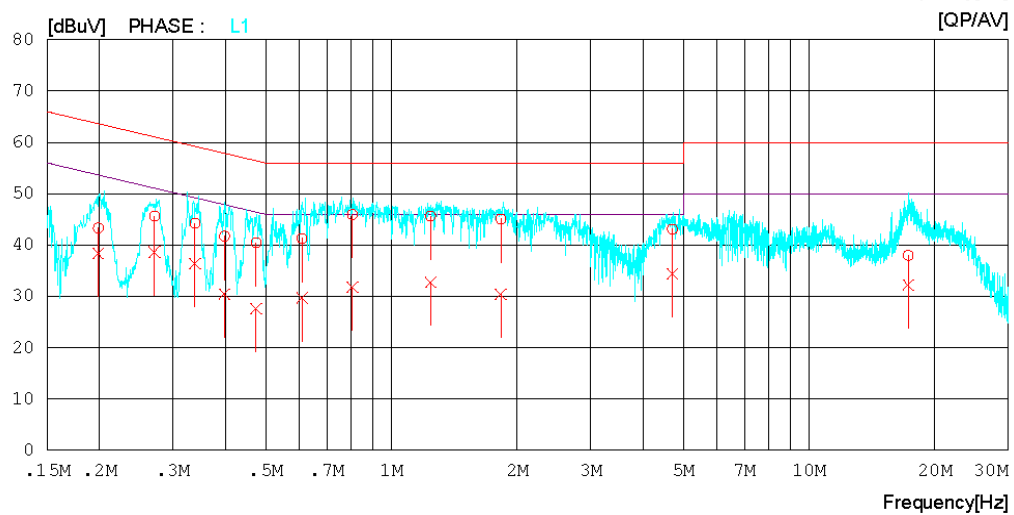
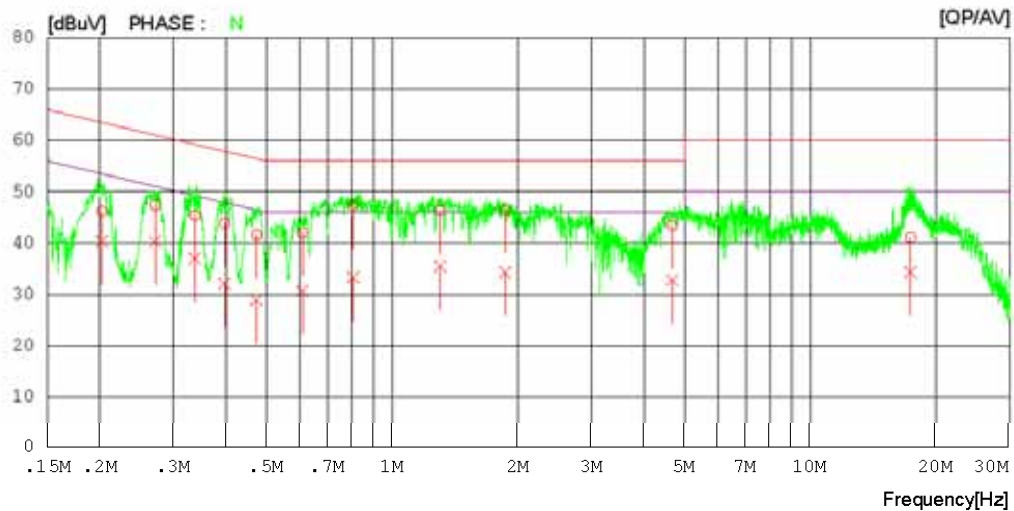
Digital EMC
Date : 2010/10/24

Model No. : 42LD452C-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. : 42LD452C-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	0.20239	46.0	40.1	0.2	46.2	40.3	63.5	53.5	17.3	13.2	N
2	0.27119	47.2	40.1	0.2	47.4	40.3	61.1	51.1	13.7	10.8	N
3	0.33758	45.2	36.8	0.2	45.4	37.0	59.3	49.3	13.9	12.3	N
4	0.39756	43.6	31.9	0.2	43.8	32.1	57.9	47.9	14.1	15.8	N
5	0.47396	41.4	28.8	0.2	41.6	29.0	56.4	46.4	14.8	17.4	N
6	0.61059	42.0	30.6	0.1	42.1	30.7	56.0	46.0	13.9	15.3	N
7	0.80603	47.1	33.1	0.2	47.3	33.3	56.0	46.0	8.7	12.7	N
8	1.30150	46.1	35.3	0.2	46.3	35.5	56.0	46.0	9.7	10.5	N
9	1.86250	46.2	34.1	0.2	46.4	34.3	56.0	46.0	9.6	11.7	N
10	4.67100	43.2	32.5	0.3	43.5	32.8	56.0	46.0	12.5	13.2	N
11	17.31950	40.5	33.7	0.6	41.1	34.3	60.0	50.0	18.9	15.7	N
12	0.19849	43.1	38.1	0.2	43.3	38.3	63.7	53.7	20.4	15.4	L1
13	0.27078	45.4	38.5	0.2	45.6	38.7	61.1	51.1	15.5	12.4	L1
14	0.33850	44.1	36.2	0.2	44.3	36.4	59.2	49.2	14.9	12.8	L1
15	0.39820	41.5	30.2	0.2	41.7	30.4	57.9	47.9	16.2	17.5	L1
16	0.47368	40.3	27.4	0.2	40.5	27.6	56.4	46.4	15.9	18.8	L1
17	0.61035	41.2	29.6	0.1	41.3	29.7	56.0	46.0	14.7	16.3	L1
18	0.80561	45.8	31.6	0.2	46.0	31.8	56.0	46.0	10.0	14.2	L1
19	1.24100	45.5	32.6	0.2	45.7	32.8	56.0	46.0	10.3	13.2	L1
20	1.82800	44.9	30.2	0.2	45.1	30.4	56.0	46.0	10.9	15.6	L1
21	4.70000	42.8	34.1	0.3	43.1	34.4	56.0	46.0	12.9	11.6	L1
22	17.27500	37.4	31.6	0.6	38.0	32.2	60.0	50.0	22.0	17.8	L1

< USB MODE >



Results of Conducted Emission

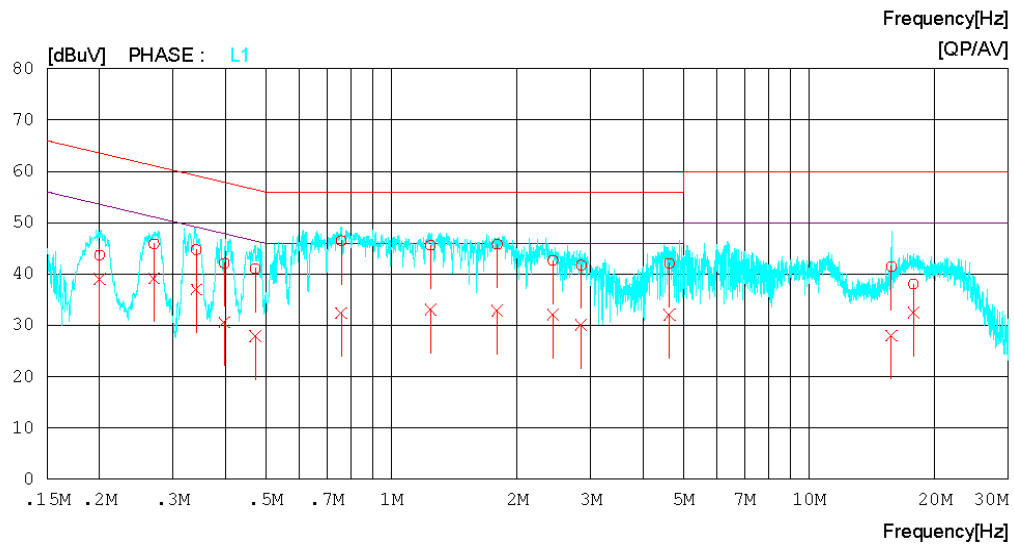
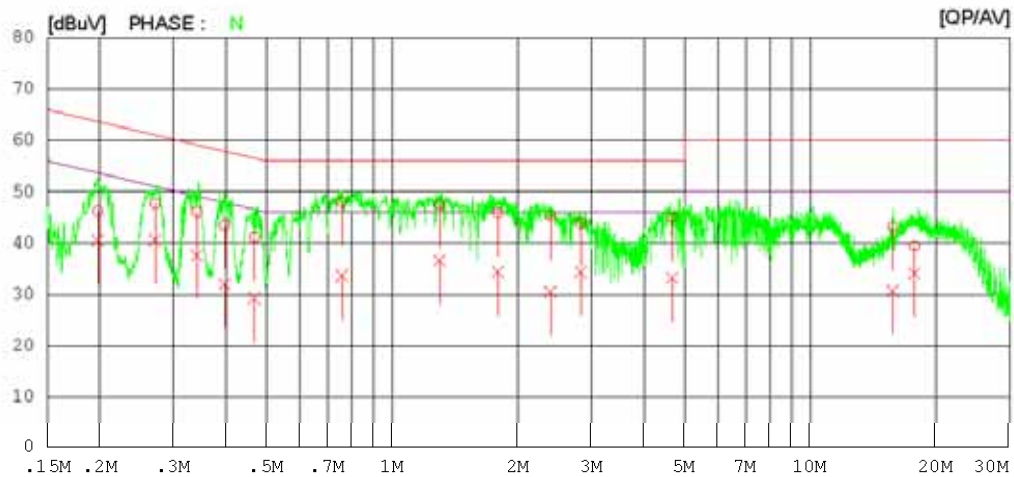
Digital EMC
Date : 2010/10/24

Model No. : 42LD452C-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. : 42LD452C-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	0.19784	46.0	40.3	0.2	46.2	40.5	63.7	53.7	17.5	13.2	N
2	0.27111	47.5	40.4	0.2	47.7	40.6	61.1	51.1	13.4	10.5	N
3	0.34099	45.9	37.4	0.2	46.1	37.6	59.2	49.2	13.1	11.6	N
4	0.39796	43.2	31.9	0.2	43.4	32.1	57.9	47.9	14.5	15.8	N
5	0.46831	41.0	29.0	0.2	41.2	29.2	56.5	46.5	15.3	17.3	N
6	0.75794	47.7	33.4	0.2	47.9	33.6	56.0	46.0	8.1	12.4	N
7	1.29800	47.3	36.4	0.2	47.5	36.6	56.0	46.0	8.5	9.4	N
8	1.78800	45.7	34.1	0.2	45.9	34.3	56.0	46.0	10.1	11.7	N
9	2.39050	45.2	30.3	0.2	45.4	30.5	56.0	46.0	10.6	15.5	N
10	2.82450	43.6	34.1	0.2	43.8	34.3	56.0	46.0	12.2	11.7	N
11	4.67000	44.6	32.9	0.3	44.9	33.2	56.0	46.0	11.1	12.8	N
12	15.72850	42.5	30.2	0.6	43.1	30.8	60.0	50.0	16.9	19.2	N
13	17.71400	38.8	33.4	0.7	39.5	34.1	60.0	50.0	20.5	15.9	N
14	0.20010	43.5	38.8	0.2	43.7	39.0	63.6	53.6	19.9	14.6	L1
15	0.27000	45.7	39.0	0.2	45.9	39.2	61.1	51.1	15.2	11.9	L1
16	0.34080	44.6	36.8	0.2	44.8	37.0	59.2	49.2	14.4	12.2	L1
17	0.39785	41.9	30.4	0.2	42.1	30.6	57.9	47.9	15.8	17.3	L1
18	0.47186	40.9	27.7	0.2	41.1	27.9	56.5	46.5	15.4	18.6	L1
19	0.75771	46.3	32.2	0.2	46.5	32.4	56.0	46.0	9.5	13.6	L1
20	1.23950	45.4	32.9	0.2	45.6	33.1	56.0	46.0	10.4	12.9	L1
21	1.79150	45.6	32.6	0.2	45.8	32.8	56.0	46.0	10.2	13.2	L1
22	2.43500	42.5	31.9	0.2	42.7	32.1	56.0	46.0	13.3	13.9	L1
23	2.84550	41.6	29.9	0.2	41.8	30.1	56.0	46.0	14.2	15.9	L1
24	4.62700	41.8	31.8	0.3	42.1	32.1	56.0	46.0	13.9	13.9	L1
25	15.72300	40.9	27.4	0.6	41.5	28.0	60.0	50.0	18.5	22.0	L1
26	17.77750	37.4	31.8	0.7	38.1	32.5	60.0	50.0	21.9	17.5	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	22 °C
Relative Humidity	45 % R.H.	42 % R.H.	45 % 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**

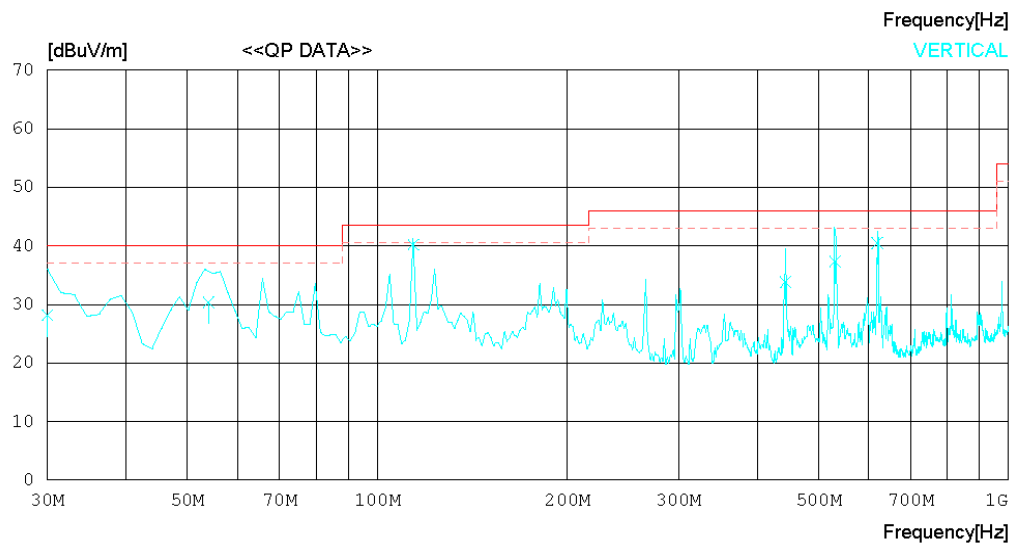
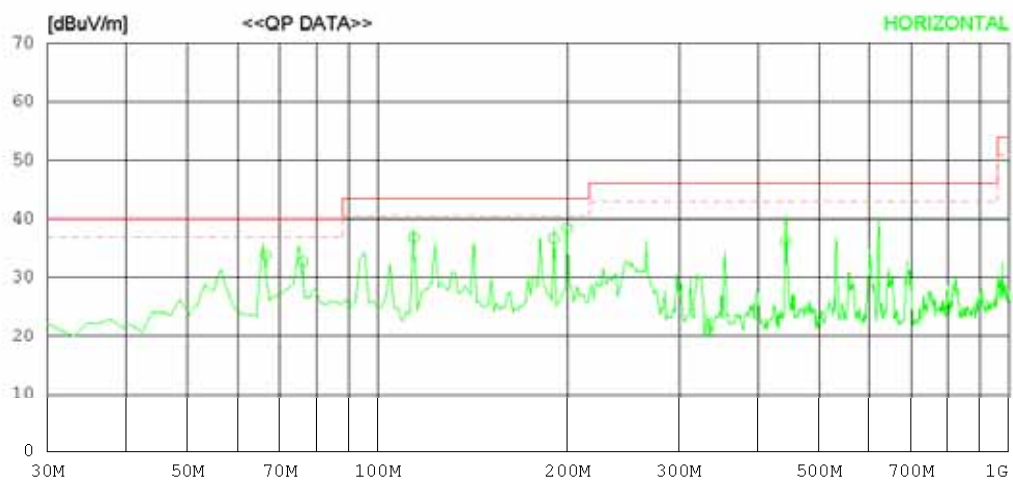
Date : 2010-11-01

Model Name : 42LD452C-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	:	42LD452C-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	66.580	49.4	6.1	1.0	22.7	33.8	40.0	6.2	330	142
2	76.106	47.6	6.8	1.0	22.7	32.7	40.0	7.3	330	164
3	114.134	47.1	11.3	1.3	22.8	36.9	43.5	6.6	330	221
4	190.112	48.6	9.8	1.6	23.3	36.7	43.5	6.8	100	358
5	199.439	50.3	9.7	1.7	23.3	38.4	43.5	5.1	136	125
6	442.809	41.4	16.7	2.5	24.4	36.2	46.0	9.8	100	39
----- Vertical -----										
7	30.000	32.7	17.4	0.7	22.6	28.2	40.0	11.8	100	206
8	54.000	44.3	7.9	0.9	22.7	30.4	40.0	9.6	100	149
9	114.134	50.4	11.3	1.3	22.8	40.2	43.5	3.3	100	358
10	443.646	39.0	16.7	2.5	24.4	33.8	46.0	12.2	100	103
11	531.619	41.1	18.0	2.7	24.5	37.3	46.0	8.7	100	0
12	619.824	43.0	18.8	3.0	24.3	40.5	46.0	5.5	100	53

- 1GHz-3GHz_Peak



RADIATED EMISSION

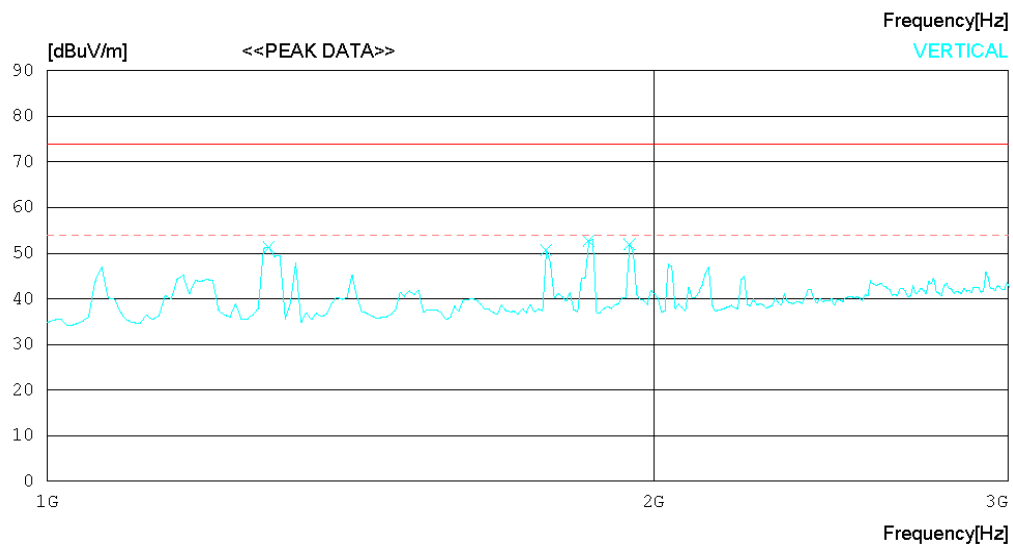
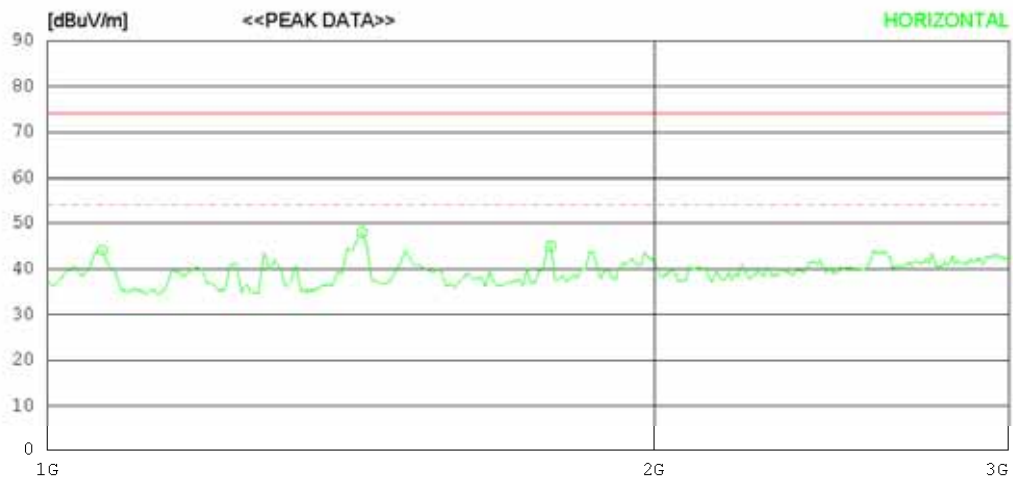
Date : 2010-10-28

Model Name : 42LD452C-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	:	42LD452C-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	57.2	23.8	5.0	41.9	44.1	74.0	29.9	100	295
2	1432.692	59.2	24.9	5.8	41.9	48.0	74.0	26	100	1
3	1777.243	55.2	25.2	6.5	41.9	45.0	74.0	29	100	1
----- Vertical -----										
4	1288.461	63.2	24.5	5.5	41.9	51.3	74.0	22.7	100	358
5	1769.230	60.9	25.2	6.5	41.9	50.7	74.0	23.3	100	138
6	1857.371	62.7	25.2	6.7	41.9	52.7	74.0	21.3	100	42
7	1945.512	61.8	25.2	6.9	41.9	52.0	74.0	22	100	358

- 1GHz-3GHz_Average



RADIATED EMISSION

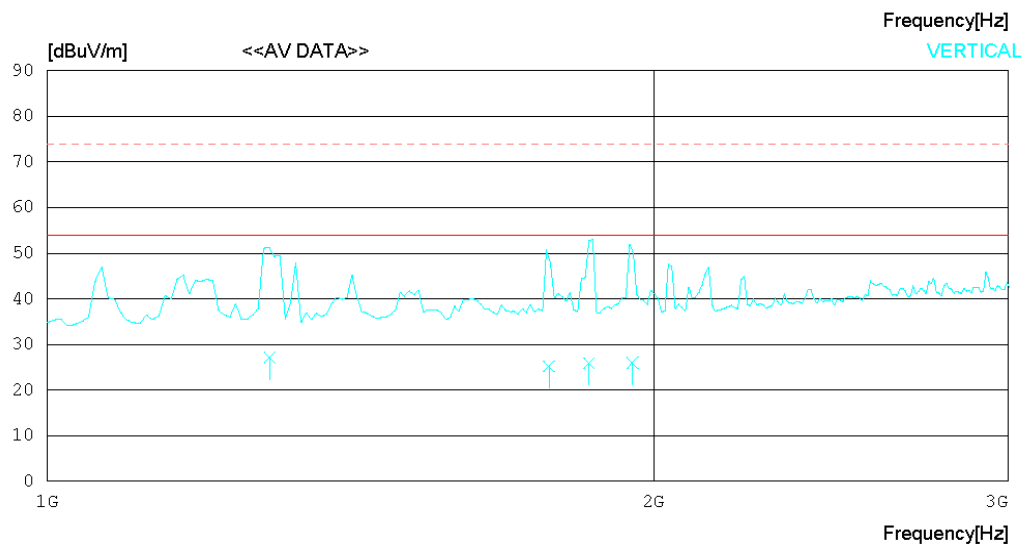
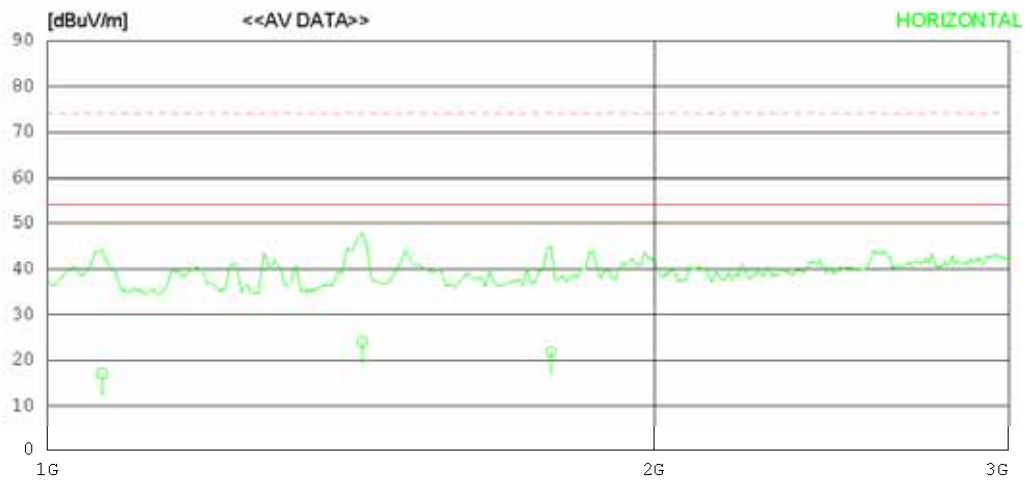
Date : 2010-10-28

Model Name : 42LD452C-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	:	42LD452C-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	1064.103	30.1	23.8	5.0	41.9	17.0	54.0	37.0	100	295
2	1432.692	35.2	24.9	5.8	41.9	24.0	54.0	30.0	100	1
3	1777.243	32.0	25.2	6.5	41.9	21.8	54.0	32.2	100	1
----- Vertical -----										
4	1289.442	39.0	24.5	5.5	41.9	27.1	54.0	26.9	100	358
5	1774.448	35.4	25.2	6.5	41.9	25.2	54.0	28.8	100	138
6	1857.371	35.9	25.2	6.7	41.9	25.9	54.0	28.1	100	42
7	1952.221	35.8	25.2	6.9	41.9	26.0	54.0	28.0	100	358

- 3GHz-6GHz_Peak



RADIATED EMISSION

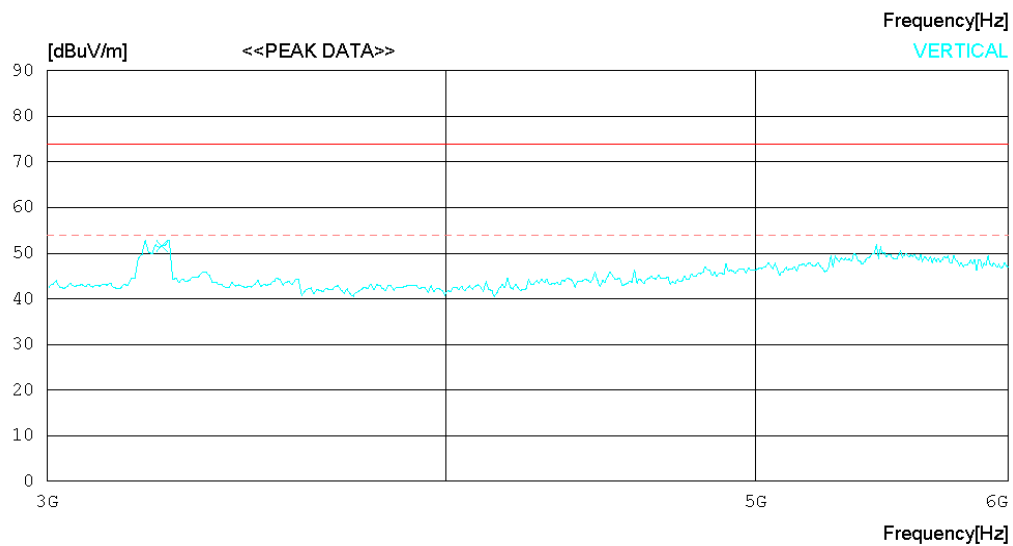
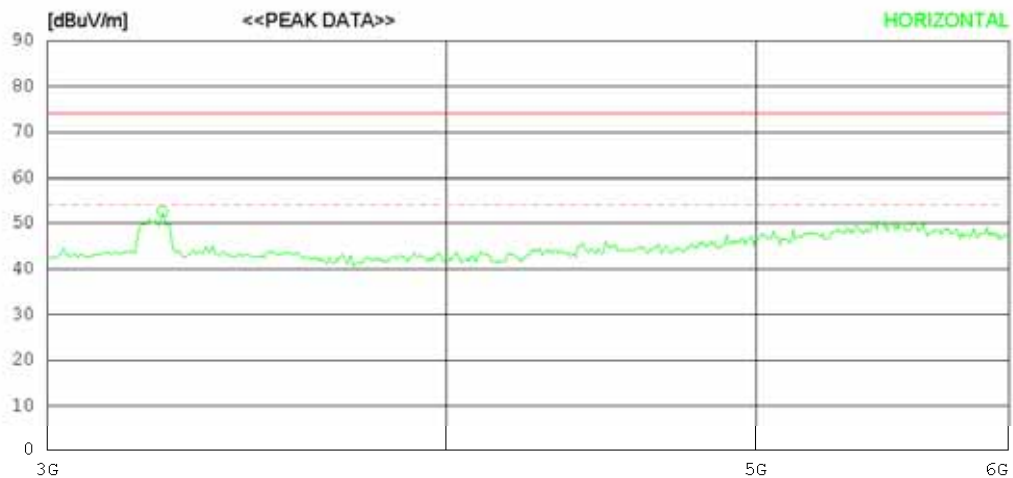
Date : 2010-11-04

Model Name : 42LD452C-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 : 2010-11-04

Model Name	: 42LD452C-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	3259.633	55.6	29.0	9.1	41.1	52.6	74.0	21.4	100	20
----- Vertical -----										
2	3259.633	54.6	29.0	9.1	41.1	51.6	74.0	22.4	100	358

- 3GHz-6GHz_Average



RADIATED EMISSION

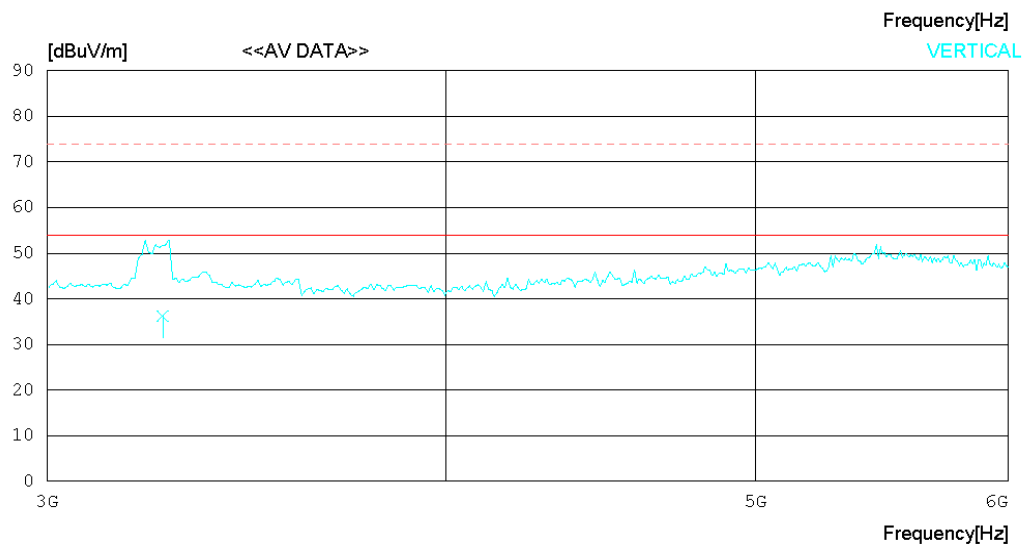
Date : 2010-11-04

Model Name : 42LD452C-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 : 2010-11-04

Model Name	:	42LD452C-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 [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	3259.633	40.2	29.0	9.1	41.1	37.2	54.0	16.8	100	20
----- Vertical -----										
2	3260.214	39.2	29.0	9.1	41.1	36.2	54.0	17.8	100	358

< HDMI MODE >

- 30MHz-1GHz



RADIATED EMISSION

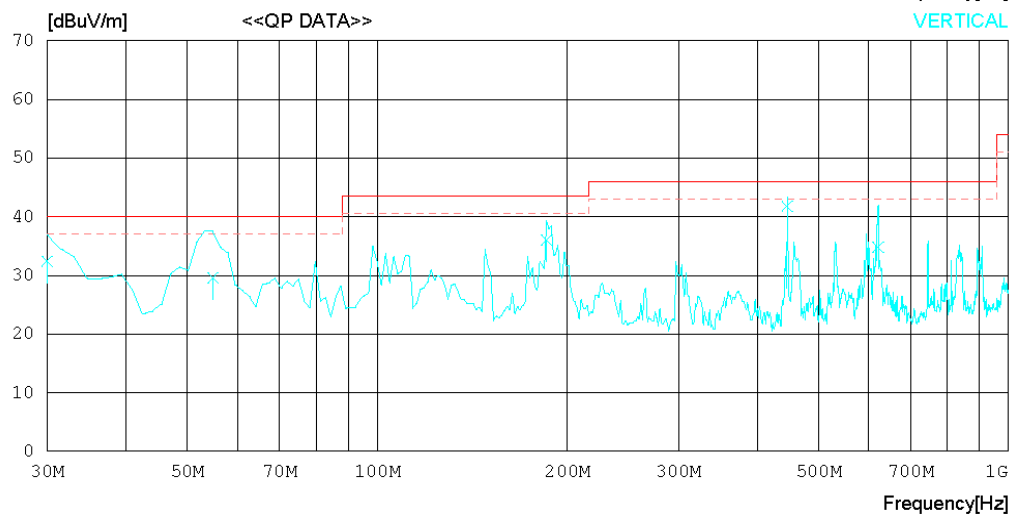
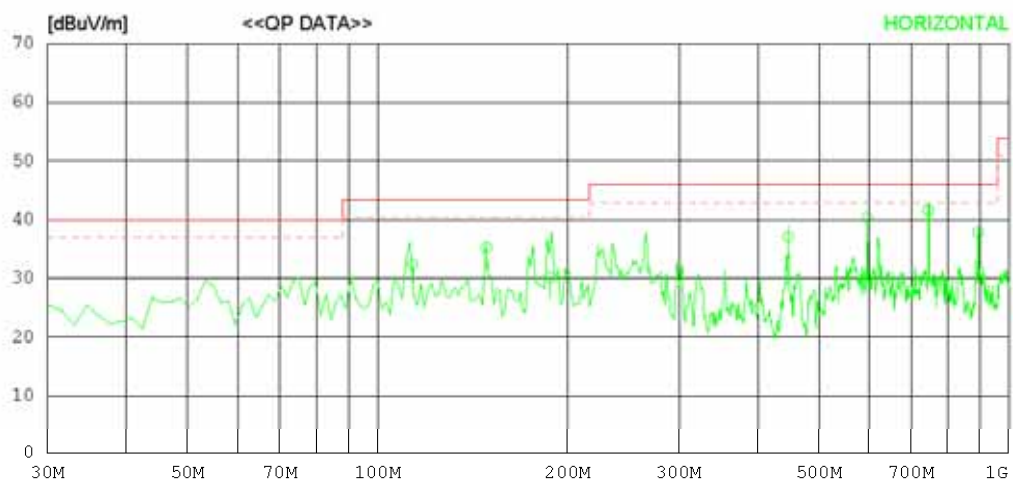
Date : 2010-11-01

Model Name : 42LD452C-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	:	42LD452C-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	113.589	42.6	11.3	1.3	22.8	32.4	43.5	11.1	199	358
2	148.790	46.3	10.5	1.4	23.0	35.2	43.5	8.3	199	175
3	187.343	42.0	9.8	1.6	23.2	30.2	43.5	13.3	199	272
4	446.601	42.2	16.8	2.5	24.4	37.1	46.0	8.9	199	358
5	595.224	43.1	18.7	2.9	24.4	40.3	46.0	5.7	100	1
6	744.002	42.7	19.5	3.4	24.0	41.6	46.0	4.4	100	150
7	892.789	36.9	20.6	3.6	23.3	37.8	46.0	8.2	100	1
----- Vertical -----										
8	30.000	36.9	17.4	0.7	22.6	32.4	40.0	7.6	100	358
9	54.900	43.9	7.5	0.9	22.7	29.6	40.0	10.4	201	1
10	185.449	47.8	9.8	1.6	23.2	36.0	43.5	7.5	222	171
11	446.413	46.9	16.8	2.5	24.4	41.8	46.0	4.2	100	141
12	622.259	37.4	18.8	3.0	24.3	34.9	46.0	11.1	201	359

- 1GHz-3GHz_Peak



RADIATED EMISSION

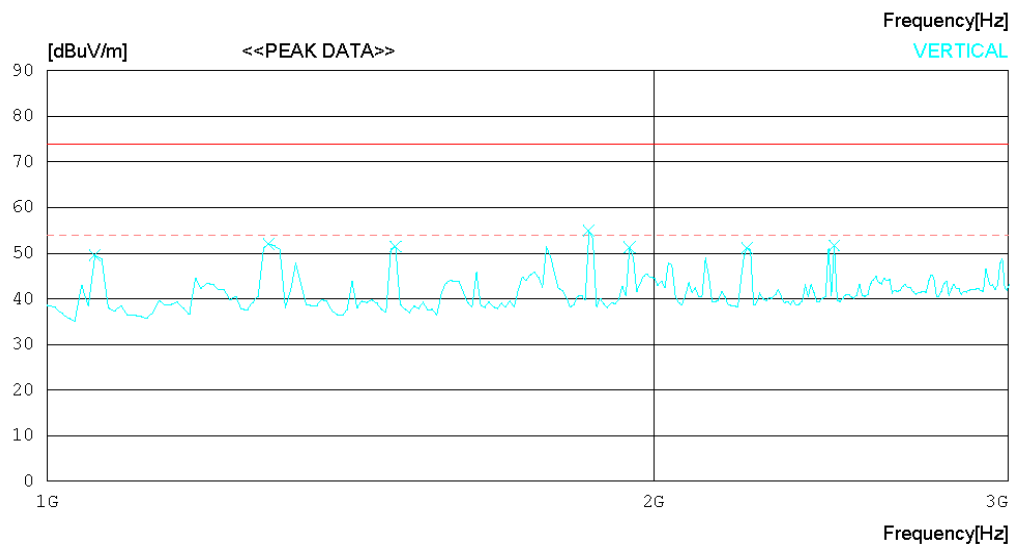
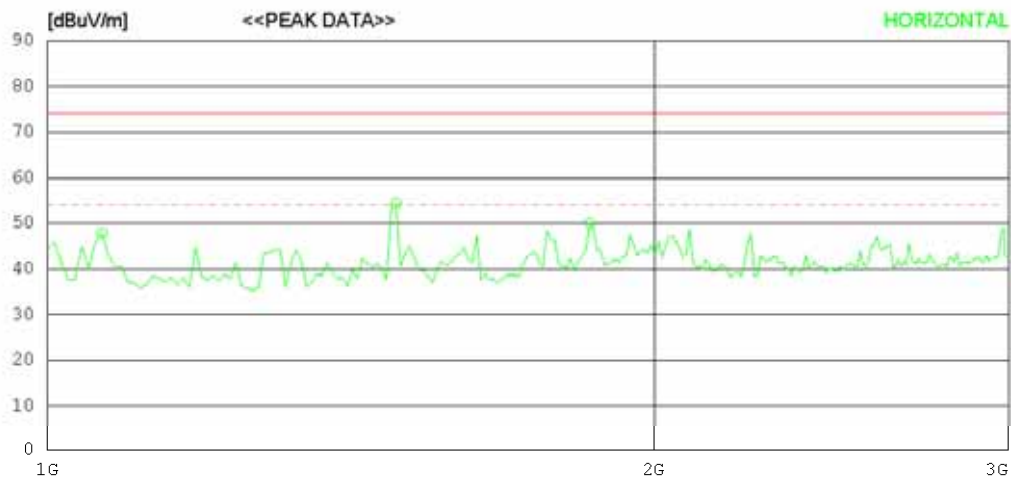
Date : 2010-11-04

Model Name : 42LD452C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

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 : 2010-11-04

Model Name	:	42LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
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	1064.103	60.9	23.8	5.0	41.9	47.8	74.0	26.2	100	215
2	1488.782	65.3	25.1	5.9	41.9	54.4	74.0	19.6	100	39
3	1857.371	60.0	25.2	6.7	41.9	50.0	74.0	24	100	39
----- Vertical -----										
4	1056.090	62.8	23.8	4.9	41.9	49.6	74.0	24.4	100	336
5	1288.461	63.9	24.5	5.5	41.9	52.0	74.0	22	100	358
6	1488.782	62.4	25.1	5.9	41.9	51.5	74.0	22.5	100	348
7	1857.371	65.0	25.2	6.7	41.9	55.0	74.0	19	194	358
8	1945.512	61.1	25.2	6.9	41.9	51.3	74.0	22.7	194	358
9	2225.964	59.4	26.2	7.3	41.8	51.1	74.0	22.9	194	358
10	2458.339	58.5	27.1	7.7	41.6	51.7	74.0	22.3	194	358

- 1GHz-3GHz_Average



RADIATED EMISSION

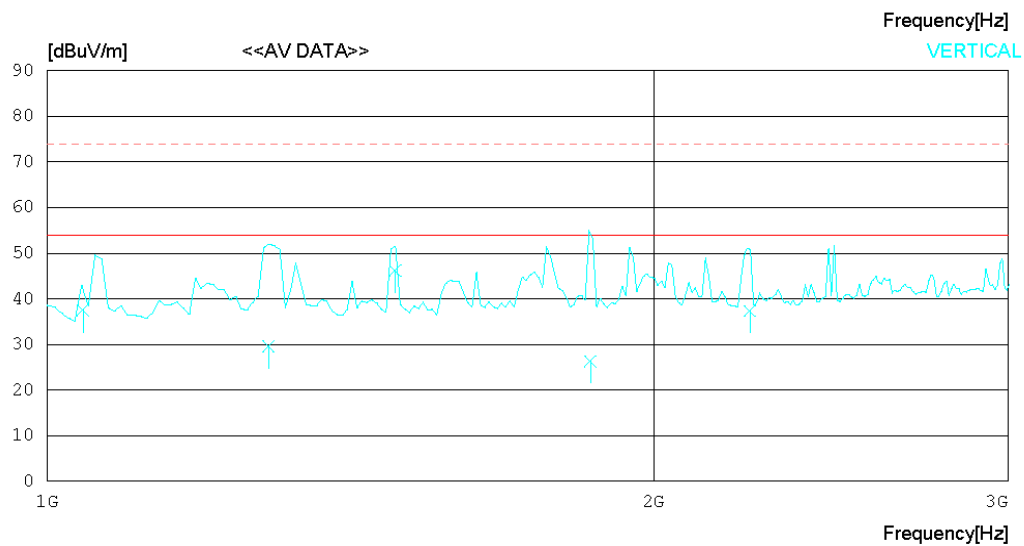
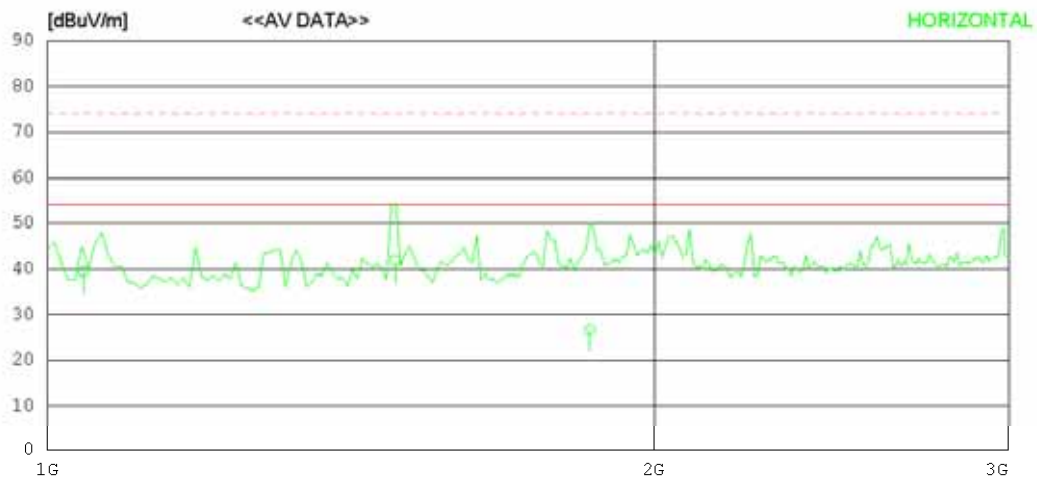
Date : 2010-11-04

Model Name : 42LD452C-UA
Model No. :
Serial No. :
Test Condition : HDMI

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 : 2010-11-04

Model Name	:	42LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	22°C 45%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	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	1041.583	52.8	23.7	4.9	41.9	39.5	54.0	14.5	100	215
2	1487.996	52.7	25.1	5.9	41.9	41.8	54.0	12.2	100	39
3	1857.371	36.7	25.2	6.7	41.9	26.7	54.0	27.3	100	39
----- Vertical -----										
4	1041.591	50.8	23.7	4.9	41.9	37.5	54.0	16.5	100	336
5	1287.487	41.5	24.5	5.5	41.9	29.6	54.0	24.4	100	358
6	1488.782	57.1	25.1	5.9	41.9	46.2	54.0	7.8	100	348
7	1859.980	36.3	25.2	6.7	41.9	26.3	54.0	27.7	194	358
8	2232.019	45.5	26.2	7.4	41.8	37.3	54.0	16.7	194	358

- 3GHz-6GHz_Peak



RADIATED EMISSION

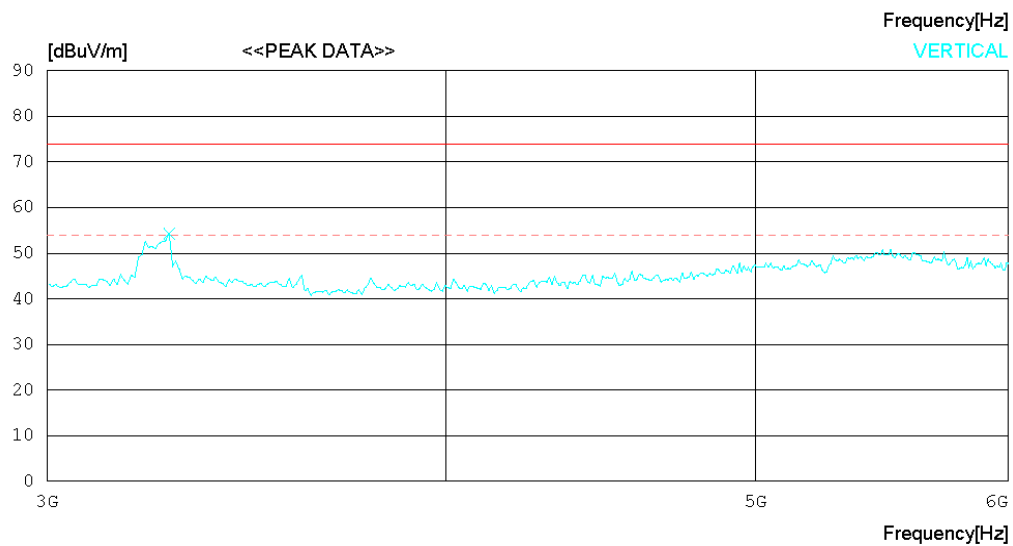
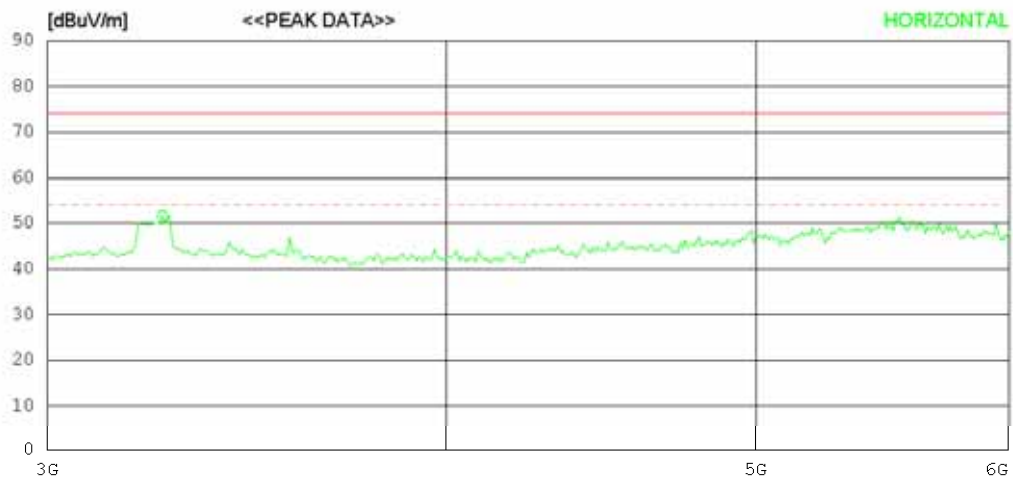
Date : 2010-11-04

Model Name : 42LD452C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

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 : 2010-11-04

Model Name	:	42LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
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	1064.103	60.9	23.8	5.0	41.9	47.8	74.0	26.2	100	215
2	1488.782	65.3	25.1	5.9	41.9	54.4	74.0	19.6	100	39
3	1857.371	60.0	25.2	6.7	41.9	50.0	74.0	24	100	39
4	3259.633	54.7	29.0	9.1	41.1	51.7	74.0	22.3	100	12
----- Vertical -----										
5	1056.090	62.8	23.8	4.9	41.9	49.6	74.0	24.4	100	336
6	1288.461	63.9	24.5	5.5	41.9	52.0	74.0	22	100	358
7	1488.782	62.4	25.1	5.9	41.9	51.5	74.0	22.5	100	348
8	1857.371	65.0	25.2	6.7	41.9	55.0	74.0	19	194	358
9	1945.512	61.1	25.2	6.9	41.9	51.3	74.0	22.7	194	358
10	2225.964	59.4	26.2	7.3	41.8	51.1	74.0	22.9	194	358
11	2458.339	58.5	27.1	7.7	41.6	51.7	74.0	22.3	194	358
12	3275.659	57.3	29.0	9.1	41.1	54.3	74.0	19.7	194	358

- 3GHz-6GHz_Average



RADIATED EMISSION

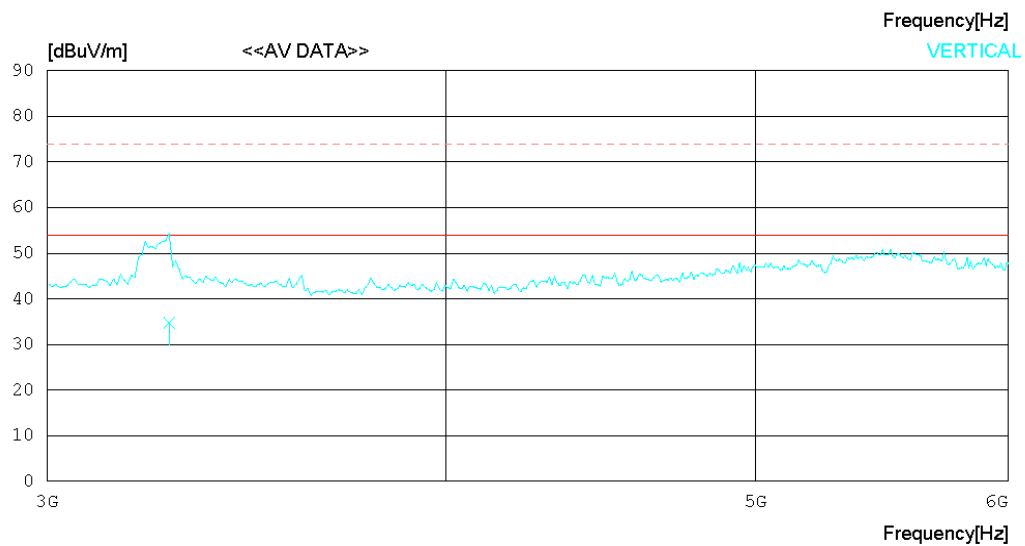
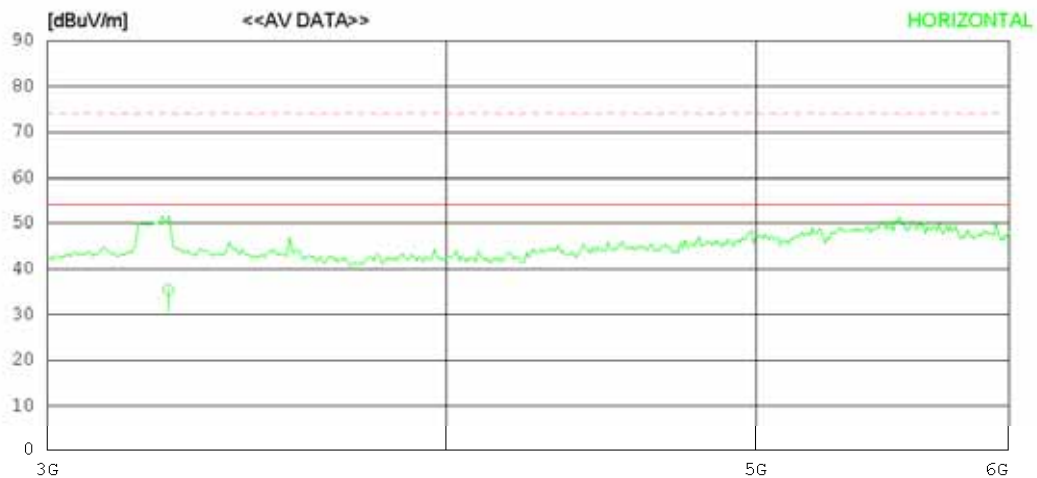
Date : 2010-11-04

Model Name : 42LD452C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

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 : 2010-11-04

Model Name	:	42LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	22°C 45%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	3273.583	38.4	29.0	9.1	41.1	35.4	54.0	18.6	100	12
----- Vertical -----										
2	3275.659	37.8	29.0	9.1	41.1	34.8	54.0	19.2	194	358

< USB MODE >

- 30MHz-1GHz



RADIATED EMISSION

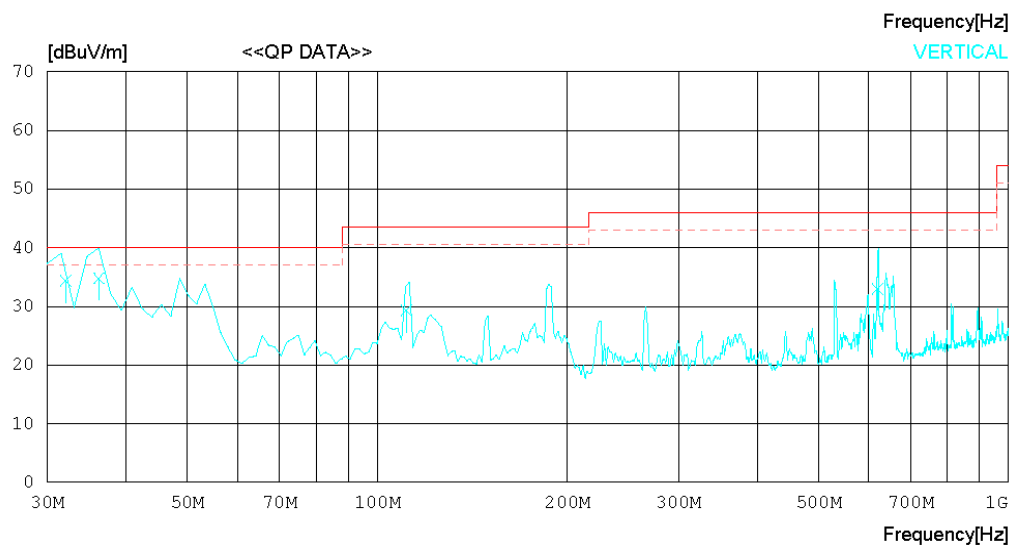
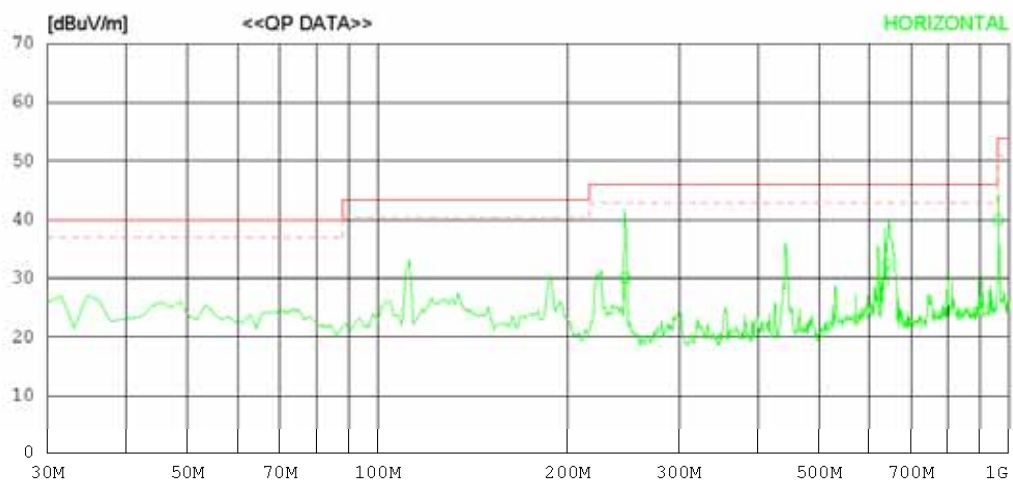
Date : 2010-11-04

Model Name : 42LD452C-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 : 2010-11-04

Model Name : 42LD452C-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	246.000	39.0	12.8	1.8	23.5	30.1	46.0	15.9	201	1
2	641.200	35.0	18.8	3.0	24.3	32.5	46.0	13.5	100	358
3	961.470	38.2	21.0	3.7	22.9	40.0	54.0	14.0	300	0
----- Vertical -----										
4	32.100	39.2	17.1	0.7	22.6	34.4	40.0	5.6	100	153
5	36.218	40.6	16.0	0.8	22.6	34.8	40.0	5.2	100	109
6	111.295	39.7	11.2	1.2	22.8	29.3	43.5	14.2	100	358
7	619.897	35.5	18.8	3.0	24.3	33.0	46.0	13.0	100	0

- 1GHz-3GHz_Peak



RADIATED EMISSION

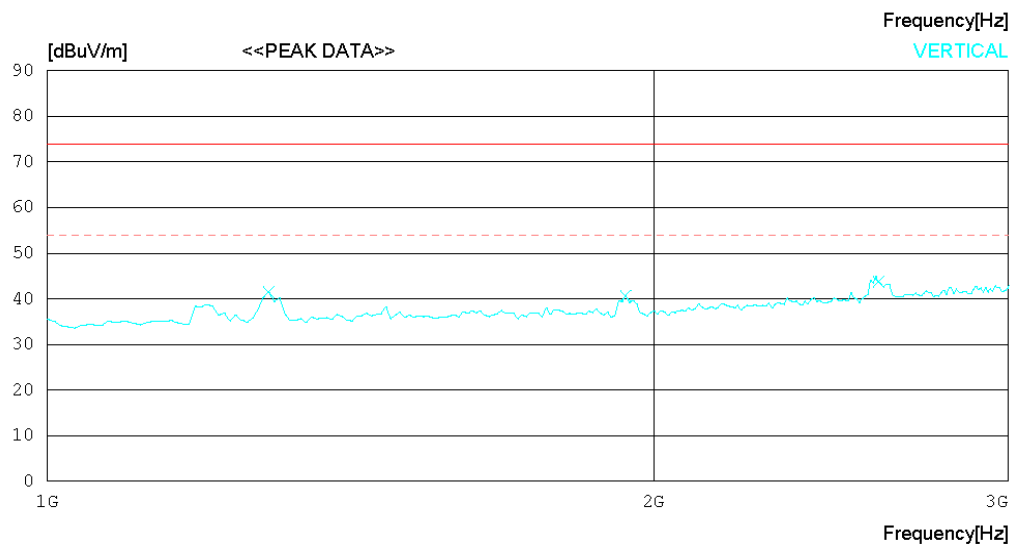
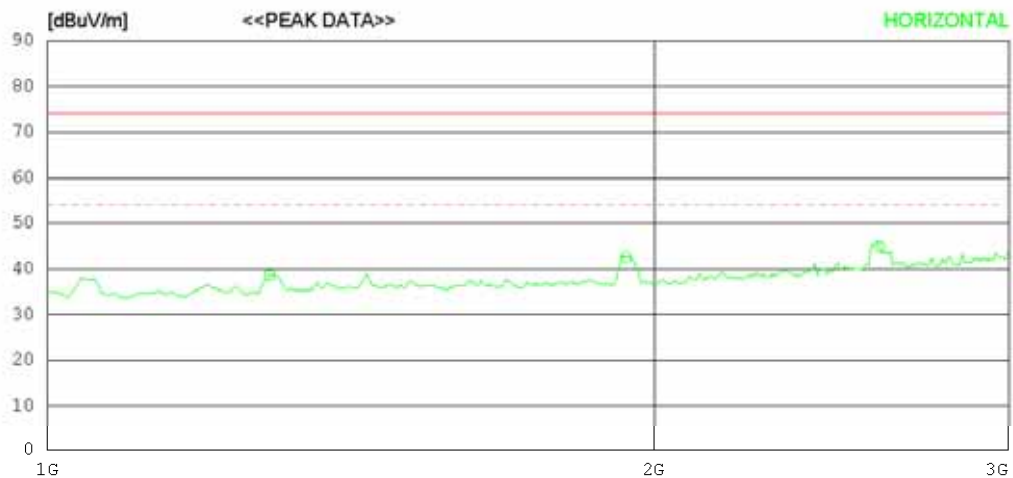
Date : 2010-11-04

Model Name : 42LD452C-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 : 2010-11-04

Model Name	:	42LD452C-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	50.6	24.5	5.5	41.9	38.7	74.0	35.3	100	353
2	1937.500	52.4	25.2	6.9	41.9	42.6	74.0	31.4	100	358
3	2586.546	50.9	27.6	7.9	41.5	44.9	74.0	29.1	100	60
----- Vertical -----										
4	1288.461	53.4	24.5	5.5	41.9	41.5	74.0	32.5	100	17
5	1937.500	50.5	25.2	6.9	41.9	40.7	74.0	33.3	100	1
6	2586.546	49.7	27.6	7.9	41.5	43.7	74.0	30.3	100	346

- 1GHz-3GHz_Average



RADIATED EMISSION

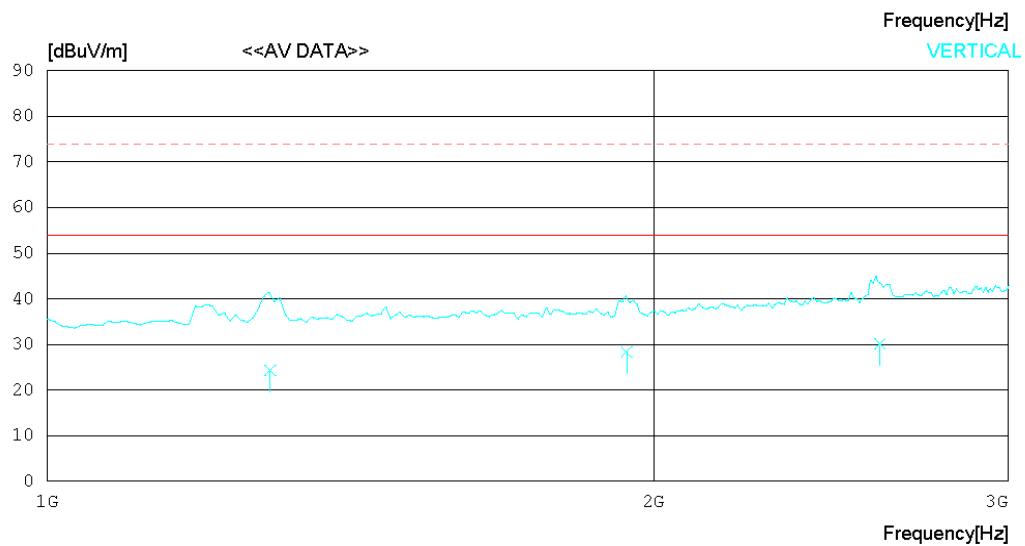
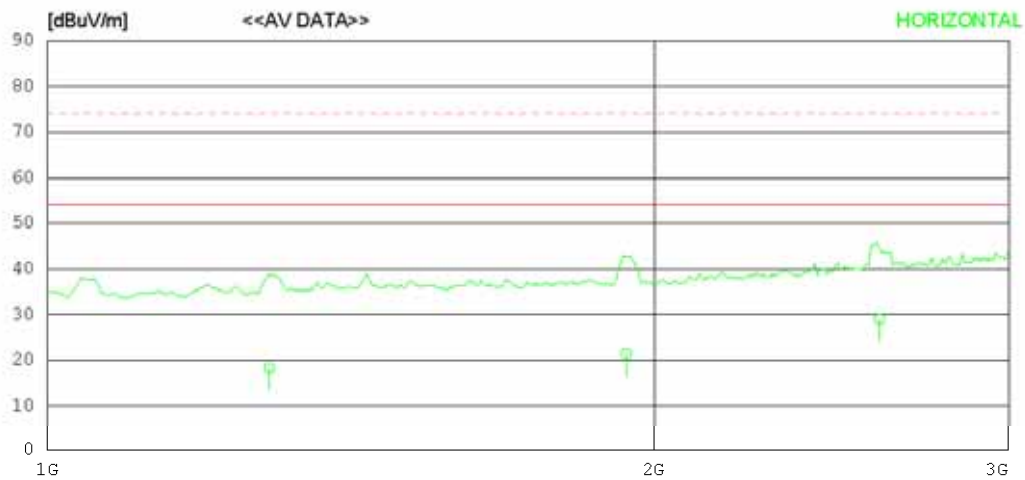
Date : 2010-11-04

Model Name : 42LD452C-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 : 2010-11-04

Model Name	:	42LD452C-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	1288.461	30.2	24.5	5.5	41.9	18.3	54.0	35.7	100	353
2	1937.500	31.2	25.2	6.9	41.9	21.4	54.0	32.6	100	358
3	2586.546	35.0	27.6	7.9	41.5	29.0	54.0	25.0	100	60
----- Vertical -----										
4	1290.250	36.2	24.5	5.5	41.9	24.3	54.0	29.7	100	17
5	1939.240	38.2	25.2	6.9	41.9	28.4	54.0	25.6	100	1
6	2590.142	36.2	27.6	7.9	41.5	30.2	54.0	23.8	100	346

- 3GHz-6GHz_Peak



RADIATED EMISSION

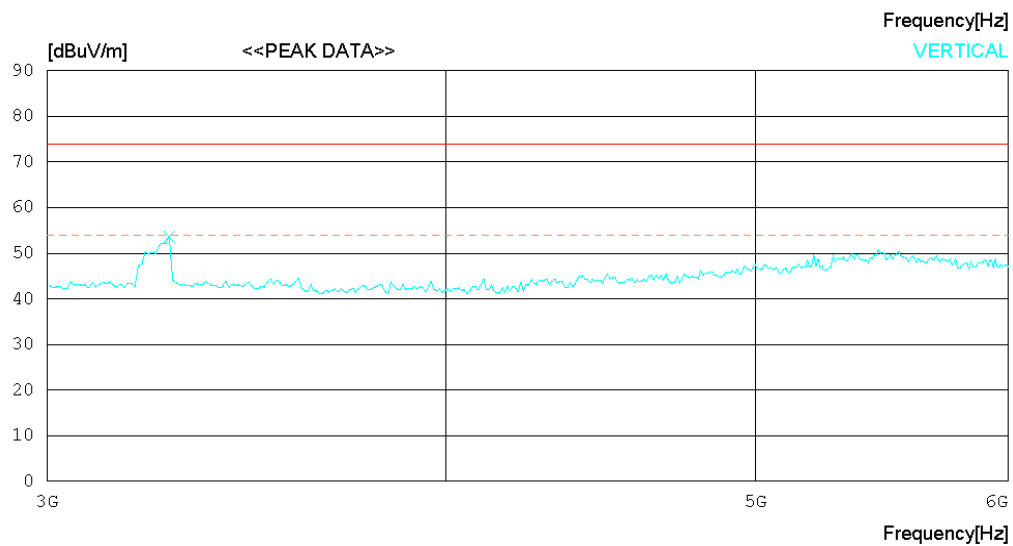
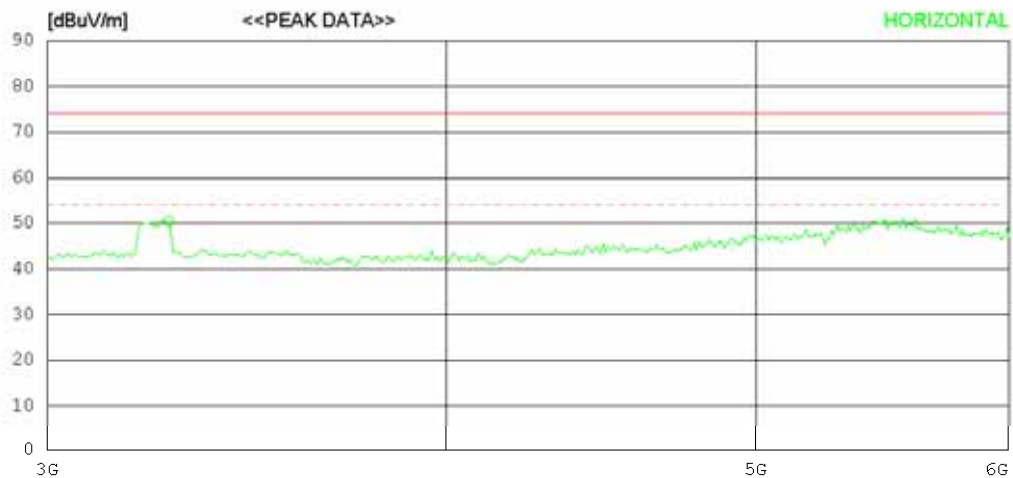
Date : 2010-10-28

Model Name : 42LD452C-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	:	42LD452C-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 [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	3275.659	53.4	29.0	9.1	41.1	50.4	74.0	23.6	100	343
----- Vertical -----										
2	3275.659	56.6	29.0	9.1	41.1	53.6	74.0	20.4	100	1

- 3GHz-6GHz_Average



RADIATED EMISSION

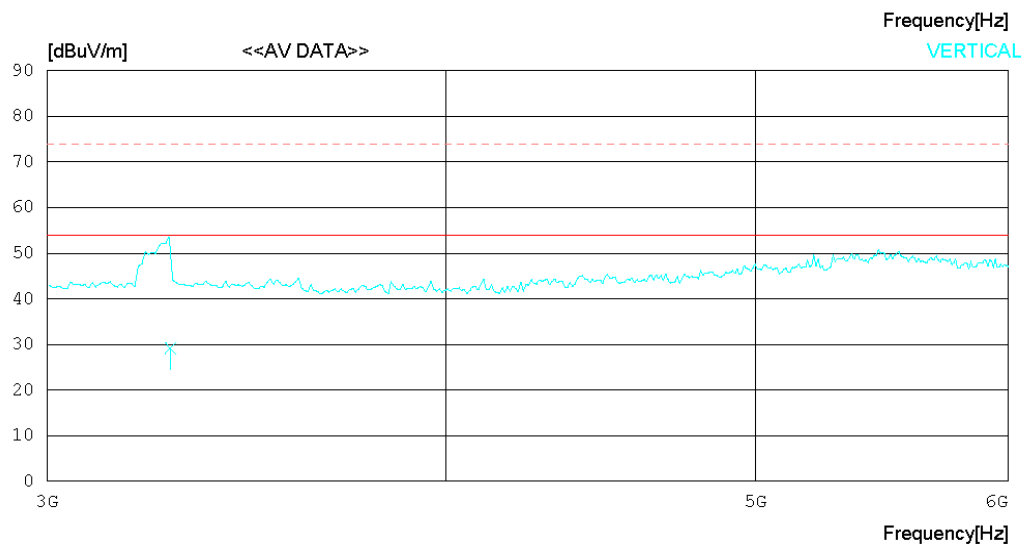
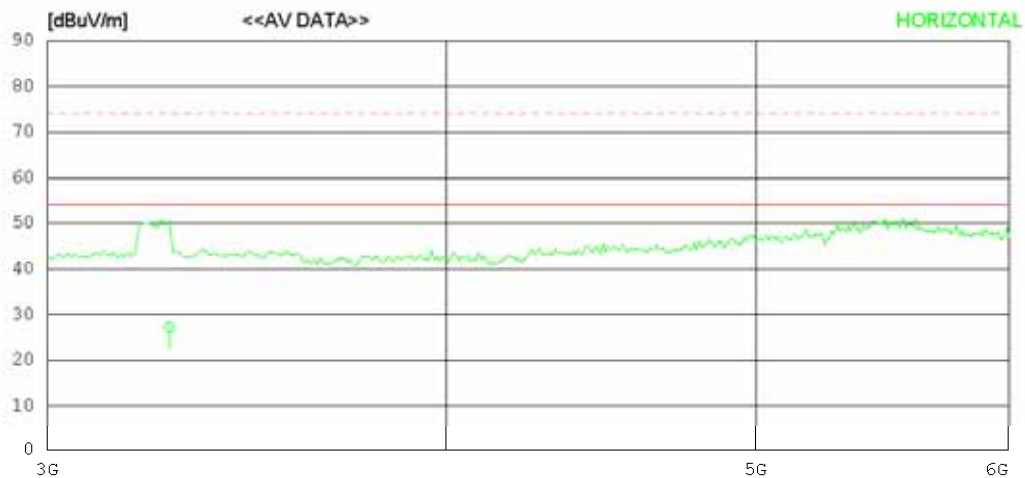
Date : 2010-10-28

Model Name : 42LD452C-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	:	42LD452C-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	3275.659	30.2	29.0	9.1	41.1	27.2	54.0	26.8	100	343
----- Vertical -----										
2	3279.240	32.2	29.0	9.1	41.1	29.2	54.0	24.8	100	1