Digital EMC
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FCC Test Report

for

LCD TV

Applicant : **LG Electronics Inc.**

Model Number : **37LD452C-UA**

Manufacturer : **LG Electronics Inc.**

Test Standard : **ANSI C 63.4:2003**
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

CONTENTS

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.

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3. General Information of EUT

3.1 Product Information

Equipment under Test	LCD TV
Model No.	37LD452C-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 thanmaximum 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 charac-ters per screen is displayed.

f) For a monitor that has no graphics capabilities, regardless of the video card used, a pattern consistingof 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 scrollingH’s should be displayed. For a monitor that has no text capabilities, use a typical display. That pat-tern 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 Power DSUB DVI to HDMI LPT	1.6 1.8 1.8 2.0 1.9	Shield Non-shield Shield Shield Shield	Plastic Plastic Plastic Metal Metal	DOC
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 LPT	1.8 1.9	Non-shield Shield	Plastic Metal	DOC
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 ℃
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

< DSUB MODE >

Digital EMC

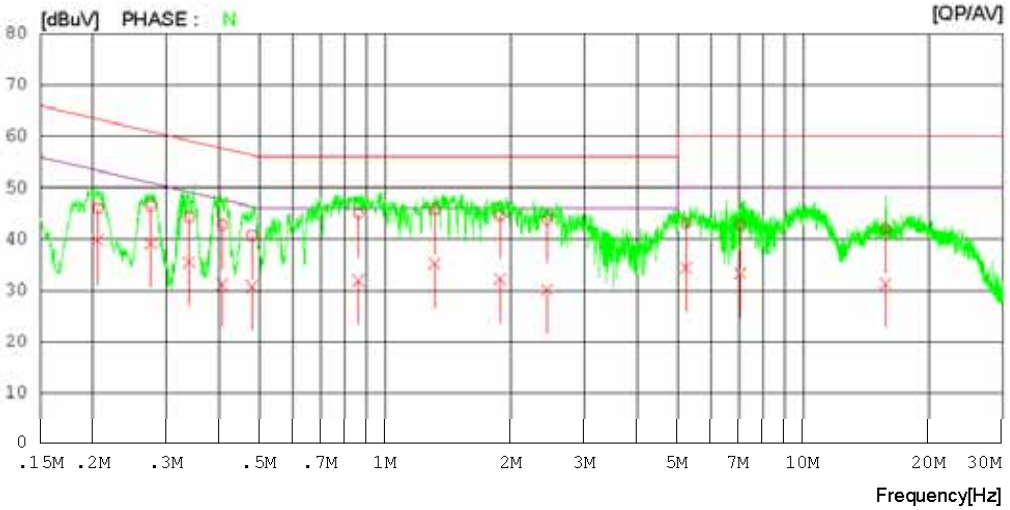
Results of Conducted Emission

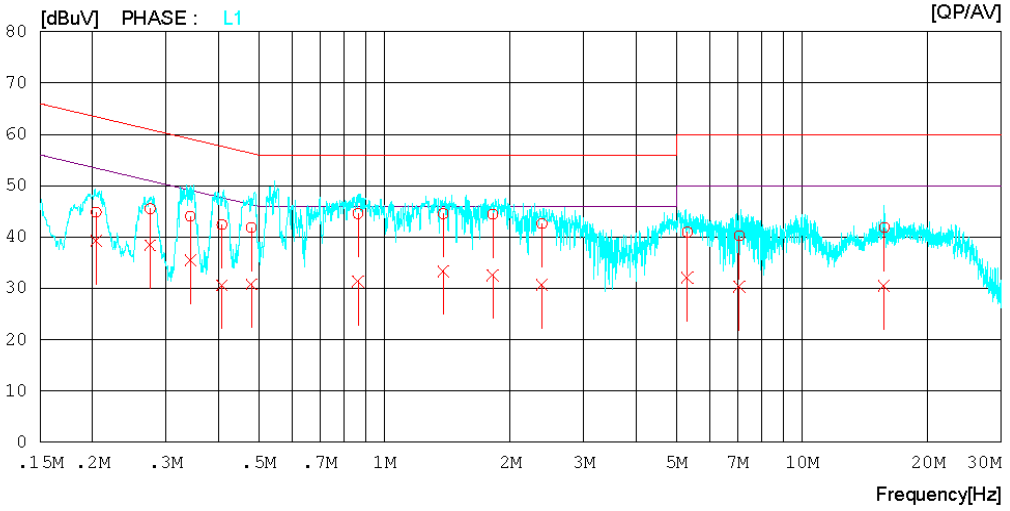
Digital EMC
Date : 2010/10/24

Model No.	:	37LD452C-UA	Referrence No.	:	
Type	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi.	:	18 'C 36 % R.H.
Test Condition	:	DSUB	Operator	:	

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV





Results of Conducted Emission

Digital EMC
Date : 2010/10/24

Model No.	:	37LD452C-UA	Referrence No.	:	
Type	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi.	:	18 'C 36 % R.H.
Test Condition	:	DSUB	Operator	:	

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.20570	45.8	39.6	0.2	46.0	39.8	63.4	53.4	17.4	13.6	N
2	0.27534	46.2	38.9	0.2	46.4	39.1	61.0	51.0	14.6	11.9	N
3	0.33978	44.1	35.3	0.2	44.3	35.5	59.2	49.2	14.9	13.7	N
4	0.40794	42.6	31.1	0.2	42.8	31.3	57.7	47.7	14.9	16.4	N
5	0.47999	40.4	30.6	0.2	40.6	30.8	56.3	46.3	15.7	15.5	N
6	0.86338	44.8	31.8	0.2	45.0	32.0	56.0	46.0	11.0	14.0	N
7	1.31600	45.5	35.0	0.2	45.7	35.2	56.0	46.0	10.3	10.8	N
8	1.88450	44.4	32.0	0.2	44.6	32.2	56.0	46.0	11.4	13.8	N
9	2.43750	43.6	29.9	0.2	43.8	30.1	56.0	46.0	12.2	15.9	N
10	5.23950	42.8	34.0	0.3	43.1	34.3	60.0	50.0	16.9	15.7	N
11	7.05700	42.4	33.0	0.3	42.7	33.3	60.0	50.0	17.3	16.7	N
12	15.71550	41.4	30.7	0.6	42.0	31.3	60.0	50.0	18.0	18.7	N
13	0.20400	44.6	39.1	0.2	44.8	39.3	63.4	53.4	18.6	14.1	L1
14	0.27461	45.3	38.2	0.2	45.5	38.4	61.0	51.0	15.5	12.6	L1
15	0.34300	43.9	35.3	0.2	44.1	35.5	59.1	49.1	15.0	13.6	L1
16	0.40801	42.2	30.4	0.2	42.4	30.6	57.7	47.7	15.3	17.1	L1
17	0.48036	41.7	30.6	0.2	41.9	30.8	56.3	46.3	14.4	15.5	L1
18	0.86384	44.4	31.1	0.2	44.6	31.3	56.0	46.0	11.4	14.7	L1
19	1.38200	44.4	33.1	0.2	44.6	33.3	56.0	46.0	11.4	12.7	L1
20	1.81600	44.3	32.4	0.2	44.5	32.6	56.0	46.0	11.5	13.4	L1
21	2.38150	42.4	30.5	0.2	42.6	30.7	56.0	46.0	13.4	15.3	L1
22	5.30700	40.7	31.8	0.3	41.0	32.1	60.0	50.0	19.0	17.9	L1
23	7.06700	40.0	30.1	0.3	40.3	30.4	60.0	50.0	19.7	19.6	L1
24	15.71000	41.3	29.9	0.6	41.9	30.5	60.0	50.0	18.1	19.5	L1

< HDMI MODE >

Digital EMC

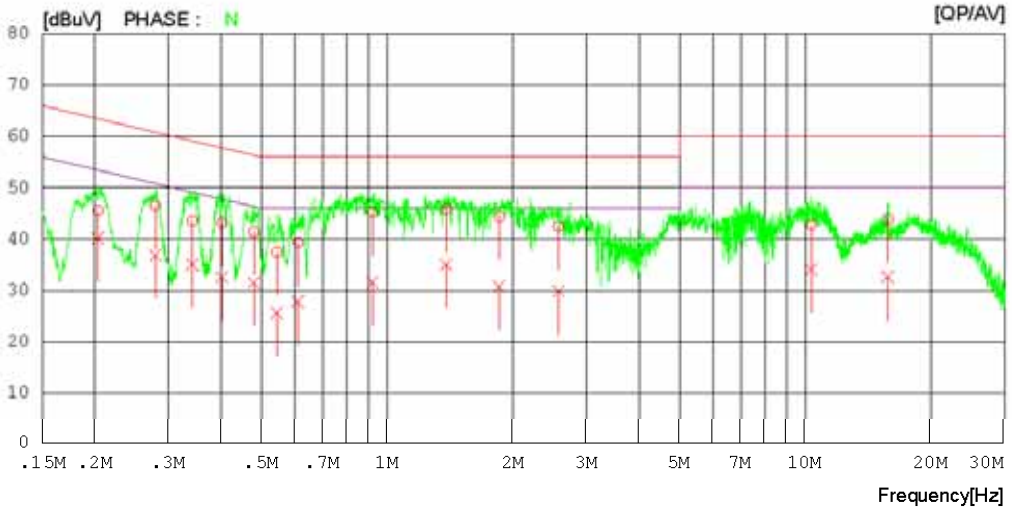
Results of Conducted Emission

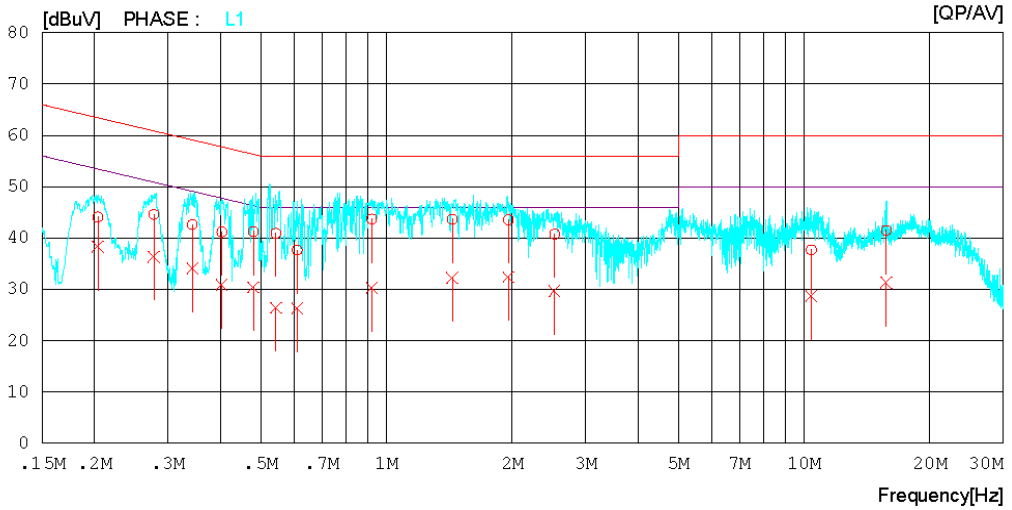
Digital EMC
Date : 2010/10/24

Model No.	: 37LD452C-UA		Referrence No.	:	
Type	:		Power Supply	: 120V	60Hz
Serial No.	:		Temp/Humi.	: 18 'C	36 % R.H.
Test Condition	: HDMI		Operator	:	

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV





Results of Conducted Emission

Digital EMC
Date : 2010/10/24

Model No.	:	37LD452C-UA	Referrence No.	:	
Type	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi.	:	18 'C 36 % R.H.
Test Condition	:	HDMI	Operator	:	

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.20346	45.3	39.9	0.2	45.5	40.1	63.5	53.5	18.0	13.4	N
2	0.27905	46.3	36.6	0.2	46.5	36.8	60.8	50.8	14.3	14.0	N
3	0.34218	43.4	34.8	0.2	43.6	35.0	59.2	49.2	15.6	14.2	N
4	0.40301	42.9	32.4	0.2	43.1	32.6	57.8	47.8	14.7	15.2	N
5	0.48018	41.2	31.3	0.2	41.4	31.5	56.3	46.3	14.9	14.8	N
6	0.54504	37.2	25.4	0.2	37.4	25.6	56.0	46.0	18.6	20.4	N
7	0.61245	39.3	27.7	0.1	39.4	27.8	56.0	46.0	16.6	18.2	N
8	0.92246	45.1	31.4	0.2	45.3	31.6	56.0	46.0	10.7	14.4	N
9	1.38450	45.6	34.9	0.2	45.8	35.1	56.0	46.0	10.2	10.9	N
10	1.85400	44.2	30.6	0.2	44.4	30.8	56.0	46.0	11.6	15.2	N
11	2.56600	42.3	29.7	0.2	42.5	29.9	56.0	46.0	13.5	16.1	N
12	10.31550	42.3	33.7	0.4	42.7	34.1	60.0	50.0	17.3	15.9	N
13	15.72100	43.3	32.0	0.6	43.9	32.6	60.0	50.0	16.1	17.4	N
14	0.20351	43.9	38.1	0.2	44.1	38.3	63.5	53.5	19.4	15.2	L1
15	0.27719	44.4	36.1	0.2	44.6	36.3	60.9	50.9	16.3	14.6	L1
16	0.34305	42.4	33.9	0.2	42.6	34.1	59.1	49.1	16.5	15.0	L1
17	0.40343	41.0	30.7	0.2	41.2	30.9	57.8	47.8	16.6	16.9	L1
18	0.48006	41.1	30.2	0.2	41.3	30.4	56.3	46.3	15.0	15.9	L1
19	0.54341	40.7	26.3	0.2	40.9	26.5	56.0	46.0	15.1	19.5	L1
20	0.61076	37.5	26.2	0.1	37.6	26.3	56.0	46.0	18.4	19.7	L1
21	0.92136	43.5	30.1	0.2	43.7	30.3	56.0	46.0	12.3	15.7	L1
22	1.43650	43.5	32.1	0.2	43.7	32.3	56.0	46.0	12.3	13.7	L1
23	1.95800	43.4	32.2	0.2	43.6	32.4	56.0	46.0	12.4	13.6	L1
24	2.52550	40.6	29.5	0.2	40.8	29.7	56.0	46.0	15.2	16.3	L1
25	10.40150	37.3	28.3	0.4	37.7	28.7	60.0	50.0	22.3	21.3	L1
26	15.72000	40.9	30.7	0.6	41.5	31.3	60.0	50.0	18.5	18.7	L1

< USB MODE >

Digital EMC

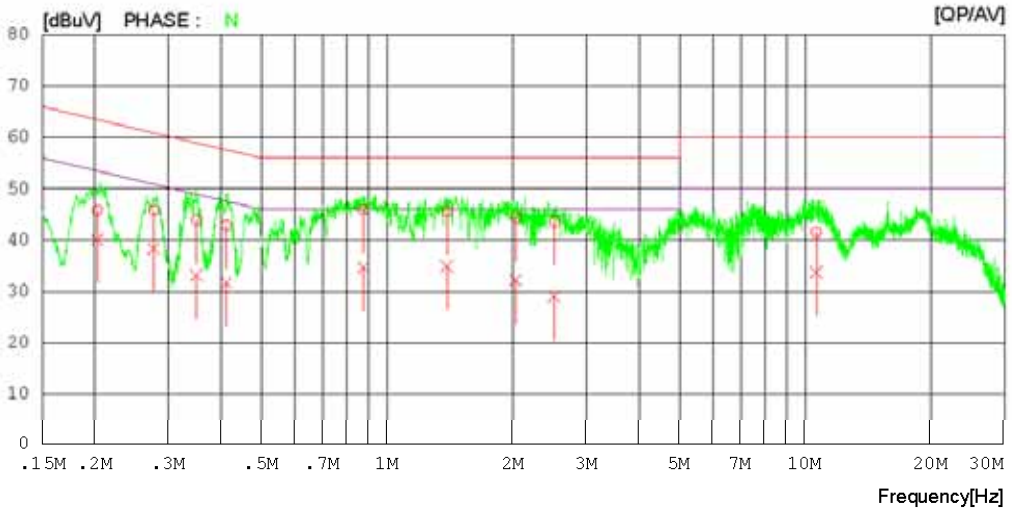
Results of Conducted Emission

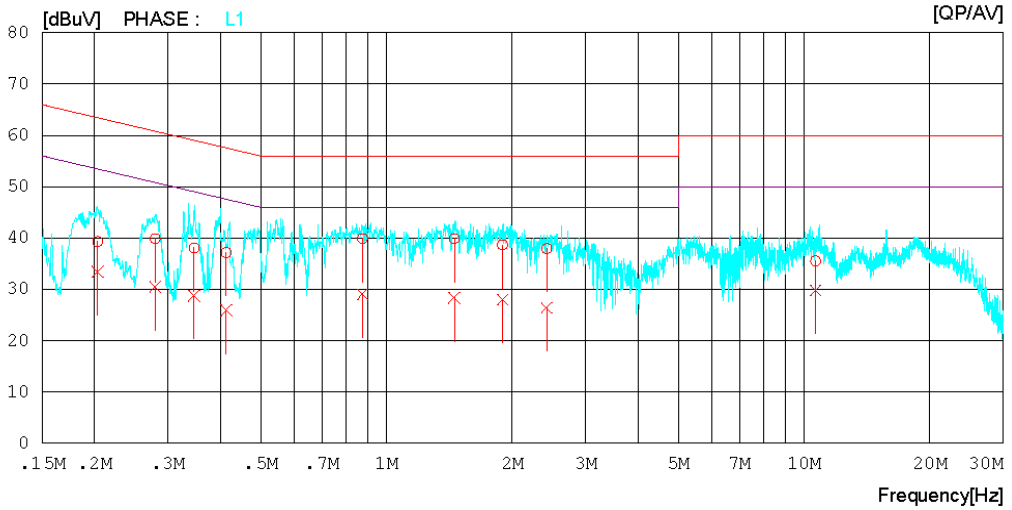
Digital EMC
Date : 2010/10/24

Model No.	: 37LD452C-UA		Referrence No.	:	
Type	:		Power Supply	: 120V	60Hz
Serial No.	:		Temp/Humi.	: 18 'C	36 % R.H.
Test Condition	: USB		Operator	:	

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV





Results of Conducted Emission

Digital EMC
Date : 2010/10/24

Model No.	:	37LD452C-UA	Referrence No.	:	
Type	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi.	:	18 'C 36 % R.H.
Test Condition	:	USB	Operator	:	

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.20269	45.6	39.9	0.2	45.8	40.1	63.5	53.5	17.7	13.4	N
2	0.27679	45.6	38.1	0.2	45.8	38.3	60.9	50.9	15.1	12.6	N
3	0.35004	43.7	33.0	0.2	43.9	33.2	59.0	49.0	15.1	15.8	N
4	0.41248	42.7	31.5	0.2	42.9	31.7	57.6	47.6	14.7	15.9	N
5	0.87656	45.7	34.5	0.2	45.9	34.7	56.0	46.0	10.1	11.3	N
6	1.38850	45.5	34.8	0.2	45.7	35.0	56.0	46.0	10.3	11.0	N
7	2.03000	44.2	32.0	0.2	44.4	32.2	56.0	46.0	11.6	13.8	N
8	2.51100	43.4	28.8	0.2	43.6	29.0	56.0	46.0	12.4	17.0	N
9	10.60700	41.1	33.4	0.4	41.5	33.8	60.0	50.0	18.5	16.2	N
10	0.20345	39.1	33.3	0.2	39.3	33.5	63.5	53.5	24.2	20.0	L1
11	0.27935	39.7	30.4	0.2	39.9	30.6	60.8	50.8	20.9	20.2	L1
12	0.34625	37.9	28.6	0.2	38.1	28.8	59.1	49.1	21.0	20.3	L1
13	0.41340	37.0	25.7	0.2	37.2	25.9	57.6	47.6	20.4	21.7	L1
14	0.87650	39.7	28.8	0.2	39.9	29.0	56.0	46.0	16.1	17.0	L1
15	1.45350	39.7	28.1	0.2	39.9	28.3	56.0	46.0	16.1	17.7	L1
16	1.89500	38.5	27.8	0.2	38.7	28.0	56.0	46.0	17.3	18.0	L1
17	2.41900	37.8	26.2	0.2	38.0	26.4	56.0	46.0	18.0	19.6	L1
18	10.64450	35.2	29.4	0.4	35.6	29.8	60.0	50.0	24.4	20.2	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 (dBμV/m)	Quasi-peak limits (dBμV/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 (dBμV/m)	peak (dBμV/m)	peak (dBμV/m)	Average (dBμV/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 (dBμV/m)	peak (dBμV/m)	peak (dBμV/m)	Average (dBμV/m)
1 to 40	80	60	74	54

6.2.4 Test Result

Test date	November 01, 2010	November 04, 2010
Ambient Temperature	18 ℃	20 ℃
Relative Humidity	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

Digital EMC

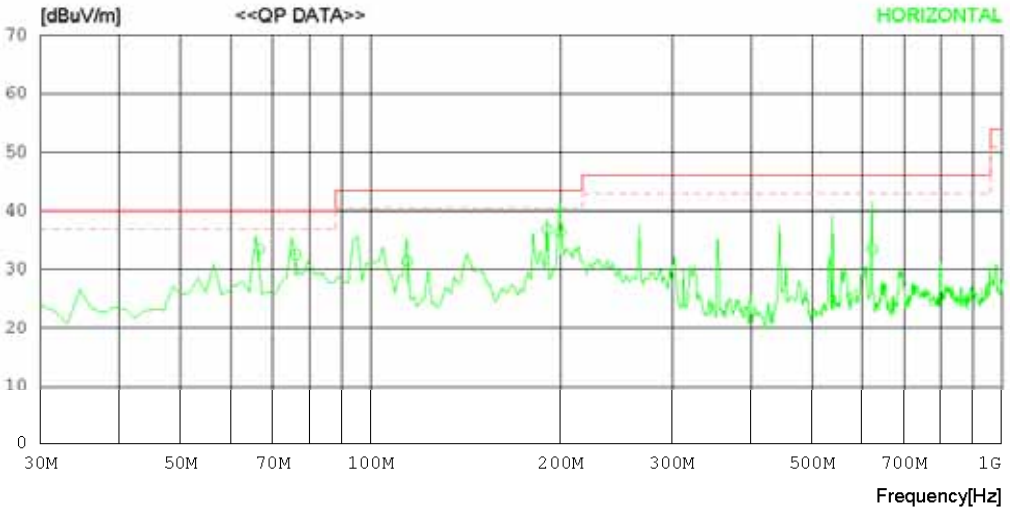
RADIATED EMISSION

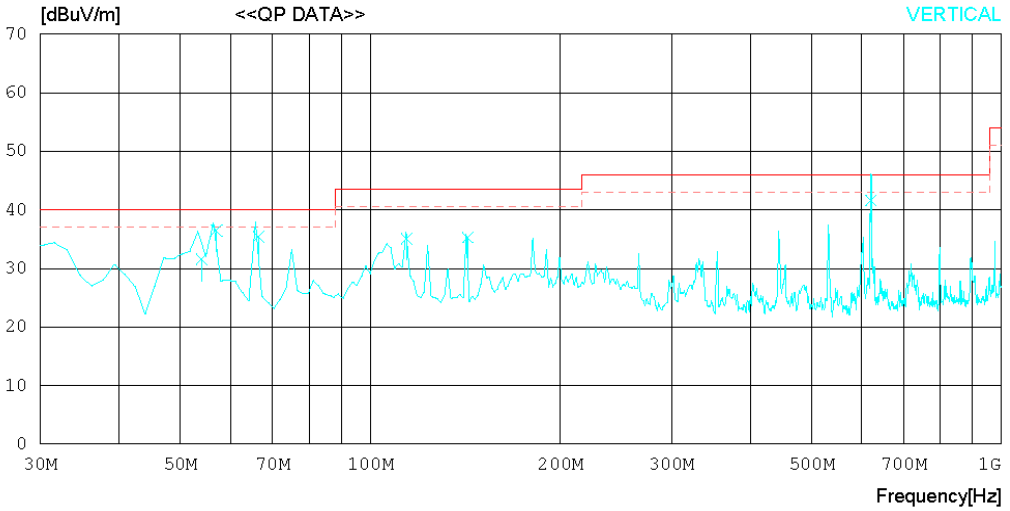
Date : 2010-11-01

Model Name	: 37LD452C-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





RADIATED EMISSION

Date : 2010-11-01

Model Name	:	37LD452C-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	66.577	49.1	6.1	1.0	22.7	33.5	40.0	6.5	300	358
2	76.079	47.5	6.8	1.0	22.7	32.6	40.0	7.4	201	1
3	114.138	41.6	11.3	1.3	22.8	31.4	43.5	12.1	162	358
4	190.217	48.7	9.8	1.6	23.3	36.8	43.5	6.7	100	358
5	199.718	48.3	9.7	1.7	23.3	36.4	43.5	7.1	100	131
6	622.259	36.0	18.8	3.0	24.3	33.5	46.0	12.5	201	359
----- Vertical ------										
7	54.100	45.6	7.8	0.9	22.7	31.6	40.0	8.4	100	358
8	57.064	51.6	6.7	0.9	22.7	36.5	40.0	3.5	100	353
9	66.573	51.0	6.1	1.0	22.7	35.4	40.0	4.6	100	1
10	114.130	45.3	11.3	1.3	22.8	35.1	43.5	8.4	100	1
11	142.663	46.0	10.8	1.4	22.9	35.3	43.5	8.2	100	150
12	620.704	44.1	18.8	3.0	24.3	41.6	46.0	4.4	100	70

- 1GHz-3GHz_Peak

Digital EMC

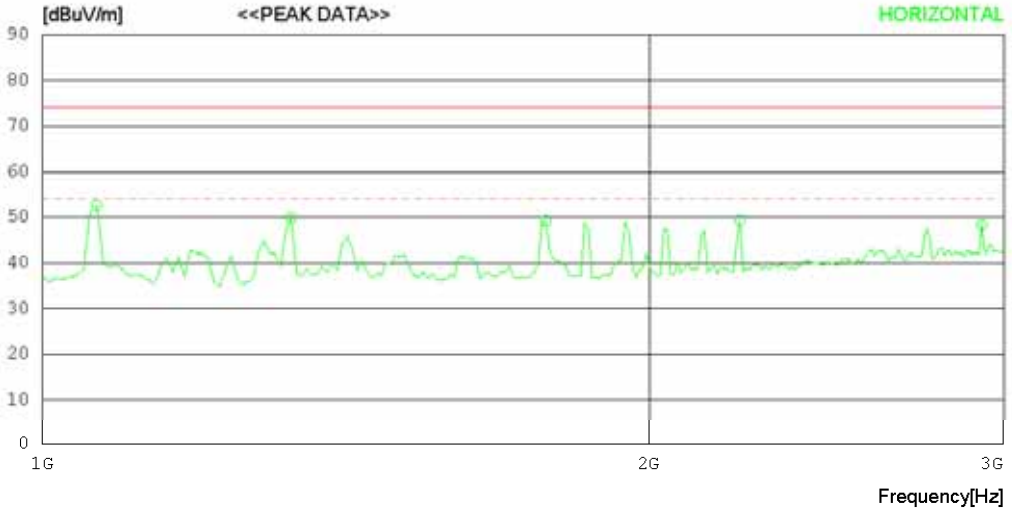
RADIATED EMISSION

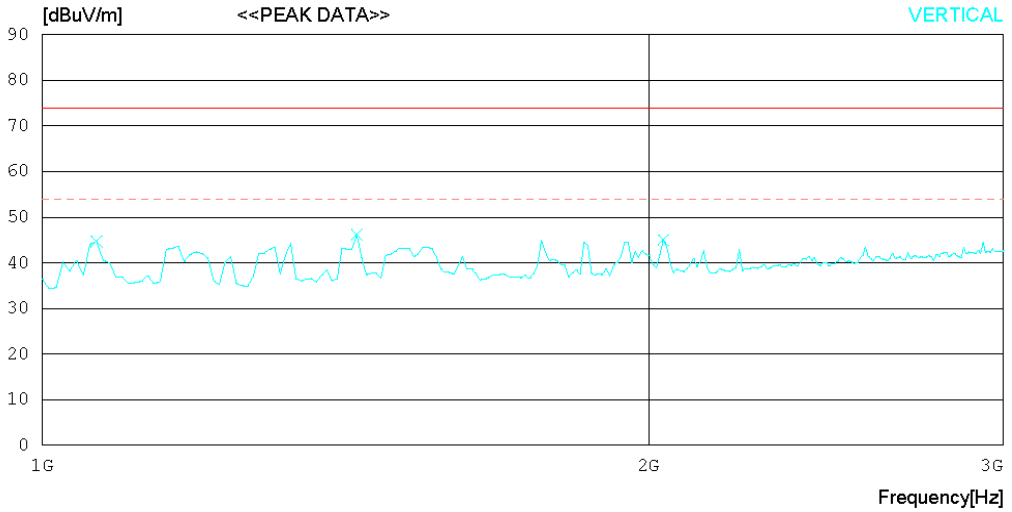
Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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	65.7	23.8	5.0	41.9	52.6	74.0	21.4	100	358
2	1328.526	61.6	24.6	5.6	41.9	49.9	74.0	24.1	100	358
3	1777.243	59.4	25.2	6.5	41.9	49.2	74.0	24.8	100	358
4	2217.951	57.8	26.1	7.3	41.8	49.4	74.0	24.6	100	347
5	2923.090	52.4	28.6	8.6	41.3	48.3	74.0	25.7	100	322
----- Vertical ------										
6	1064.103	57.8	23.8	5.0	41.9	44.7	74.0	29.3	100	358
7	1432.692	57.4	24.9	5.8	41.9	46.2	74.0	27.8	100	177
8	2033.653	54.5	25.3	7.1	41.9	45.0	74.0	29	100	358

- 1GHz-3GHz_Average

Digital EMC

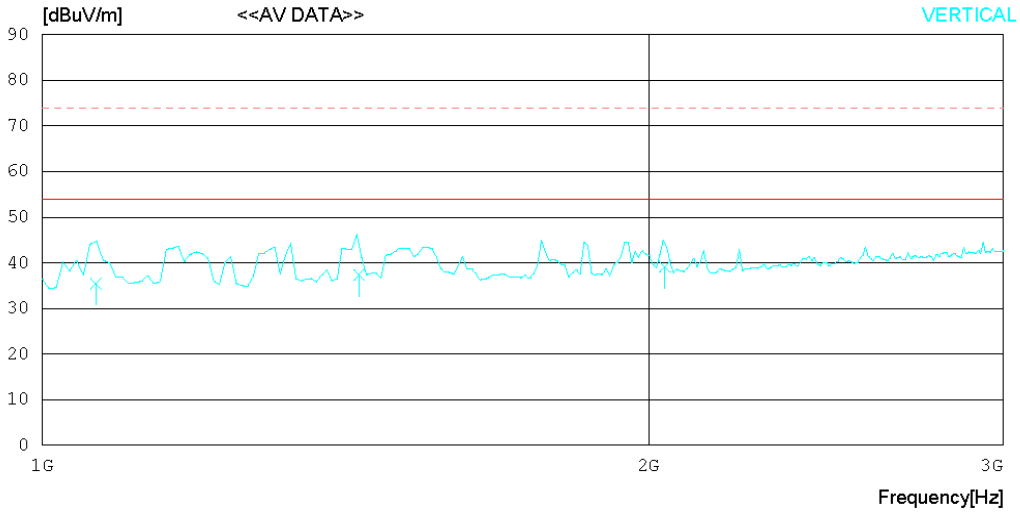
RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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)



RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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	1064.885	54.2	23.8	5.0	41.9	41.1	54.0	12.9	100	358
2	1325.658	53.3	24.6	5.6	41.9	41.6	54.0	12.4	100	358
3	1774.581	51.1	25.2	6.5	41.9	40.9	54.0	13.1	100	358
4	2218.654	51.4	26.1	7.3	41.8	43.0	54.0	11.0	100	347
5	2924.147	47.6	28.6	8.6	41.3	43.5	54.0	10.5	100	322
----- Vertical ------										
6	1063.365	48.6	23.8	5.0	41.9	35.5	54.0	18.5	100	358
7	1436.652	48.6	24.9	5.8	41.9	37.4	54.0	16.6	100	177
8	2037.158	48.6	25.4	7.1	41.9	39.2	54.0	14.8	100	358

- 3GHz-6GHz_Peak

Digital EMC

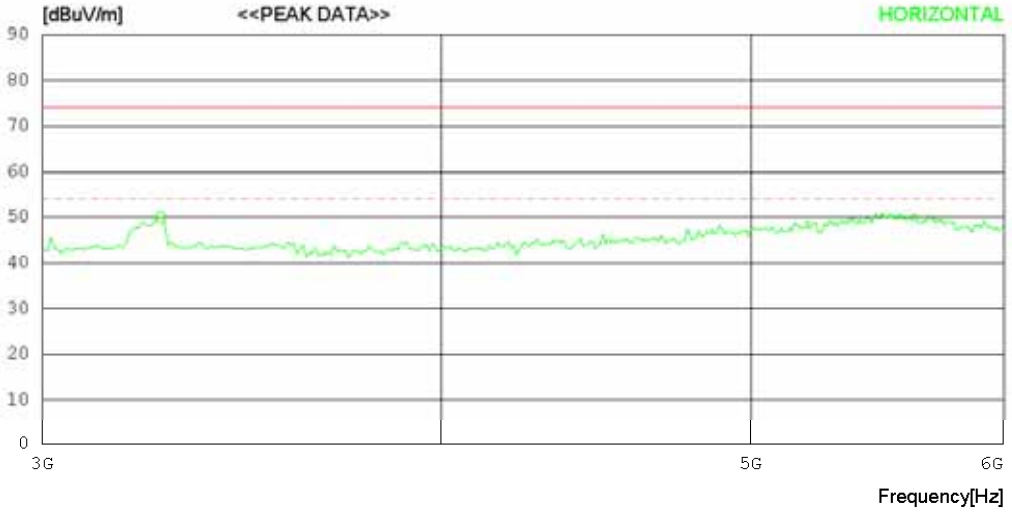
RADIATED EMISSION

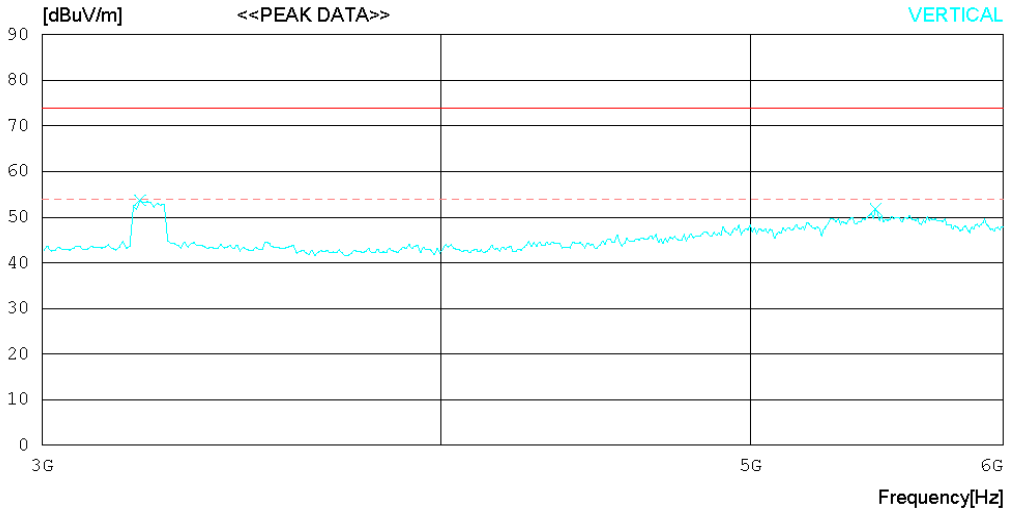
Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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	3267.646	53.0	29.0	9.1	41.1	50.0	74.0	24	100	149
----- Vertical ------										
2	3219.568	56.8	29.0	9.1	41.2	53.7	74.0	20.3	100	205
3	5471.163	45.1	35.0	11.8	40.1	51.8	74.0	22.2	201	242

- 3GHz-6GHz_Average

Digital EMC

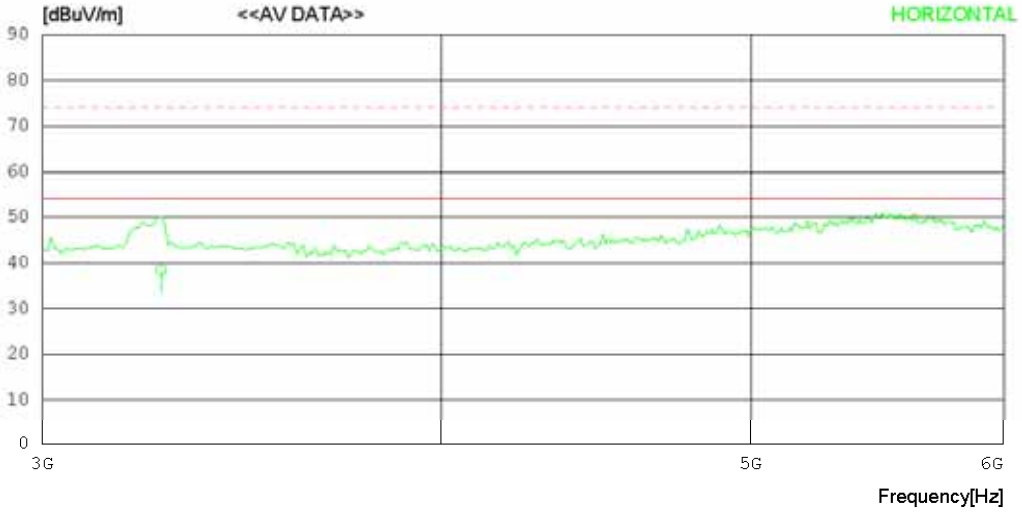
RADIATED EMISSION

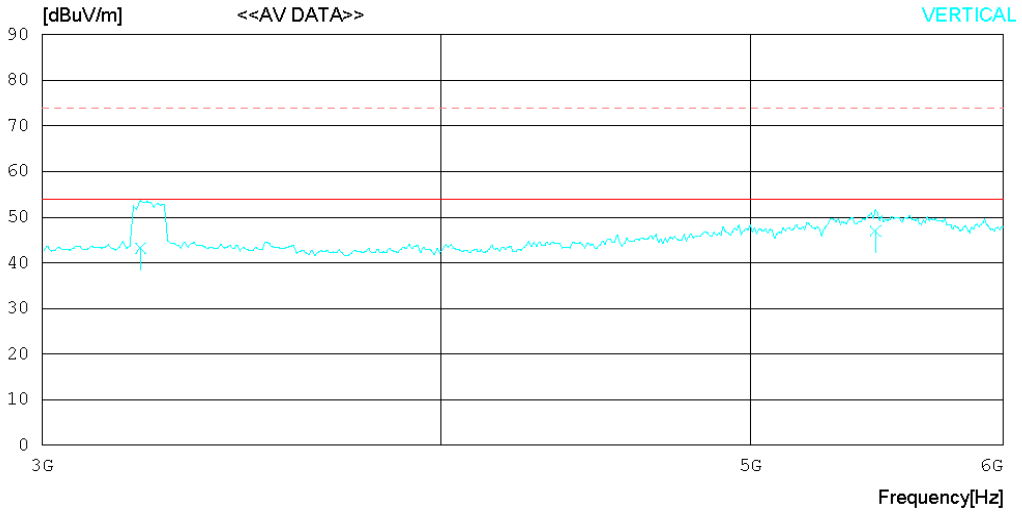
Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % R.H.
Test Condition	:	DSUB	Operator	:	

Memo :

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





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % R.H.
Test Condition	:	DSUB	Operator	:	

Memo :

LIMIT :
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	3267.625	41.4	29.0	9.1	41.1	38.4	54.0	15.6	100	149
----- Vertical ------										
2	3220.258	46.3	29.0	9.1	41.2	43.2	54.0	10.8	100	205
3	5471.685	40.3	35.0	11.8	40.1	47.0	54.0	7.0	201	242

< HDMI MODE >

- 30MHz-1GHz

Digital EMC

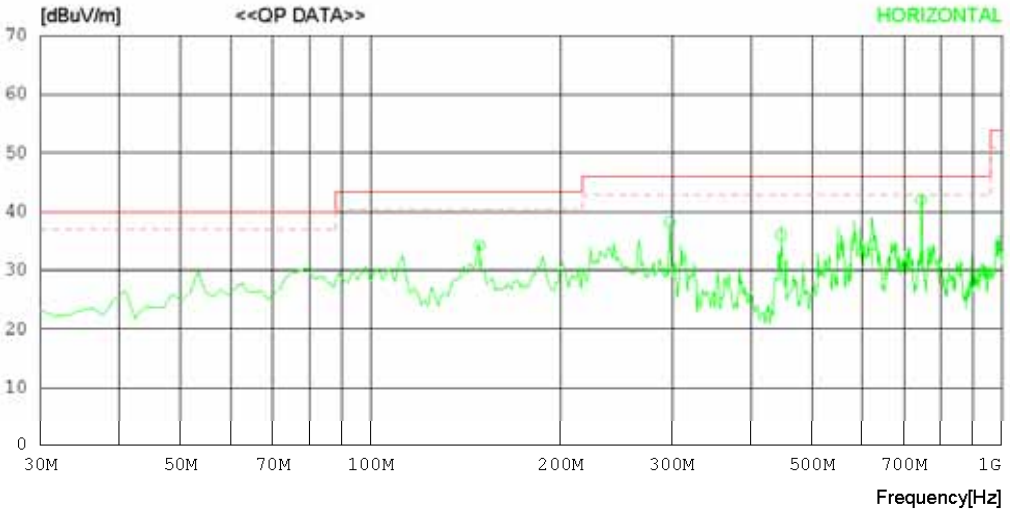
RADIATED EMISSION

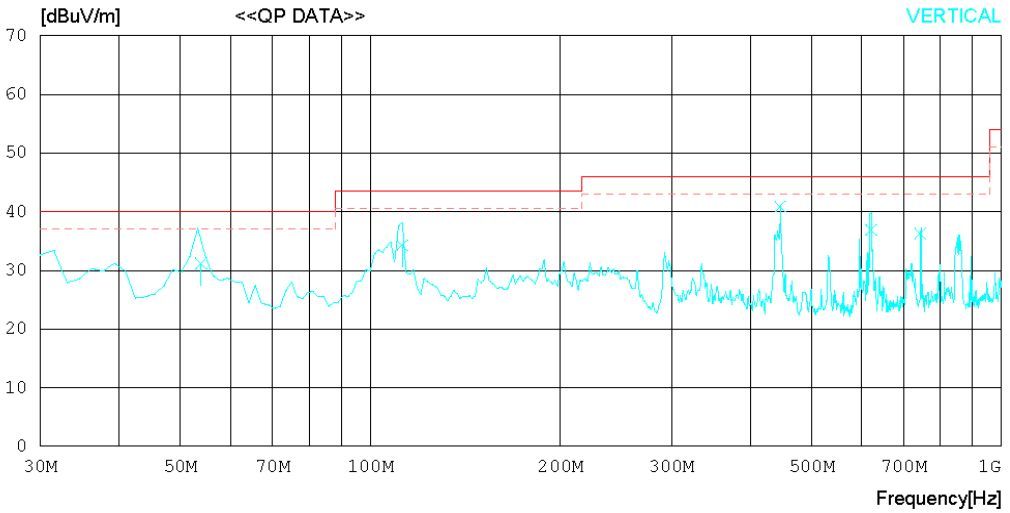
Date : 2010-11-01

Model Name	:	37LD452C-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





RADIATED EMISSION

Date : 2010-11-01

Model Name	:	37LD452C-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	148.800	45.4	10.5	1.4	23.0	34.3	43.5	9.2	189	161
2	297.372	46.1	13.8	2.0	23.7	38.2	46.0	7.8	100	358
3	446.400	41.2	16.8	2.5	24.4	36.1	46.0	9.9	134	139
4	622.259	36.8	18.8	3.0	24.3	34.3	46.0	11.7	100	118
5	744.001	43.1	19.5	3.4	24.0	42.0	46.0	4.0	100	176
----- Vertical ------										
6	53.937	45.1	7.9	0.9	22.7	31.2	40.0	8.8	100	1
7	112.388	44.6	11.3	1.2	22.8	34.3	43.5	9.2	100	313
8	446.396	46.0	16.8	2.5	24.4	40.9	46.0	5.1	100	1
9	622.259	39.4	18.8	3.0	24.3	36.9	46.0	9.1	100	1
10	744.001	37.4	19.5	3.4	24.0	36.3	46.0	9.7	100	319

- 1GHz-3GHz_Peak

Digital EMC

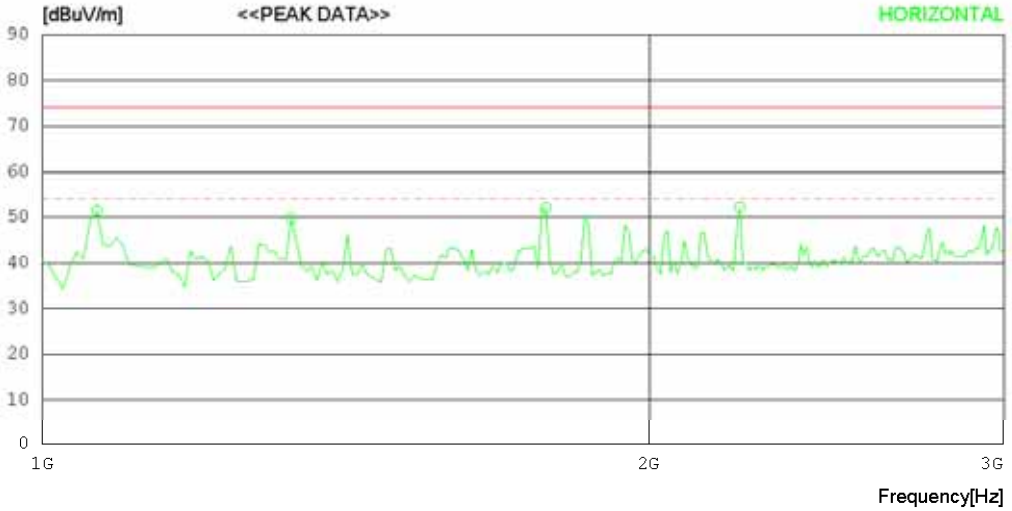
RADIATED EMISSION

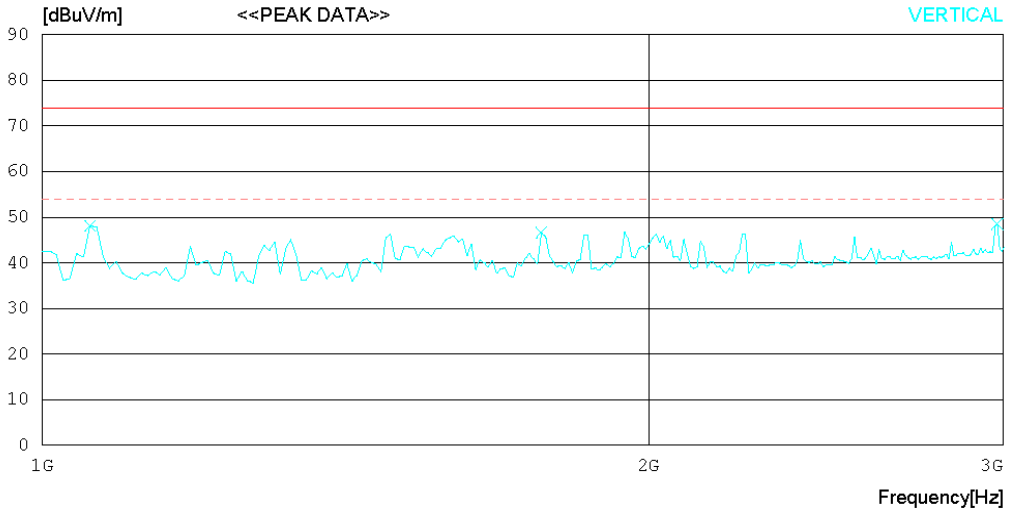
Date : 2010-11-04

Model Name	:	37LD452C-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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-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	64.5	23.8	5.0	41.9	51.4	74.0	22.6	100	1
2	1328.526	61.5	24.6	5.6	41.9	49.8	74.0	24.2	100	303
3	1777.243	62.2	25.2	6.5	41.9	52.0	74.0	22	100	1
4	2217.951	60.6	26.1	7.3	41.8	52.2	74.0	21.8	100	1
----- Vertical ------										
5	1056.090	61.3	23.8	4.9	41.9	48.1	74.0	25.9	100	151
6	1769.230	56.8	25.2	6.5	41.9	46.6	74.0	27.4	100	358
7	2979.180	52.3	28.8	8.7	41.3	48.5	74.0	25.5	100	358

- 1GHz-3GHz_Average

Digital EMC

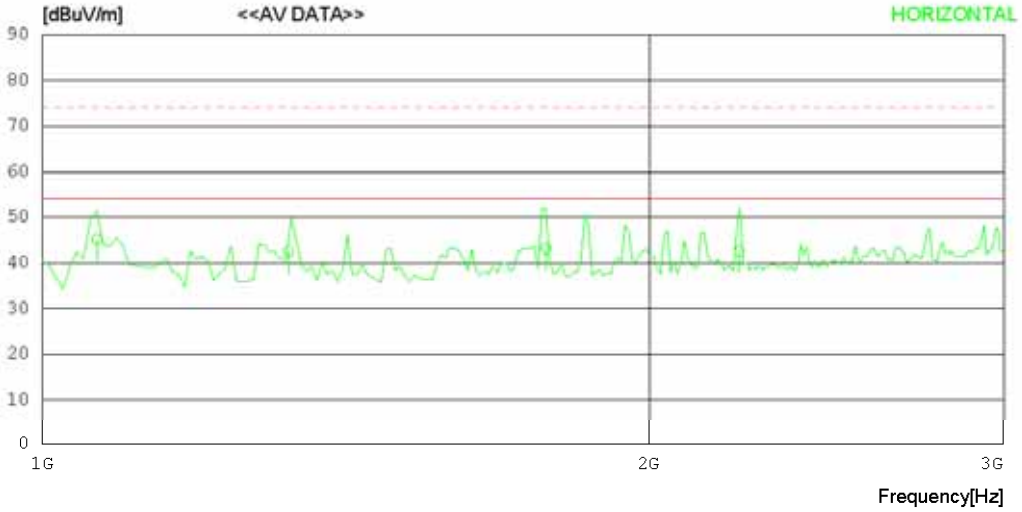
RADIATED EMISSION

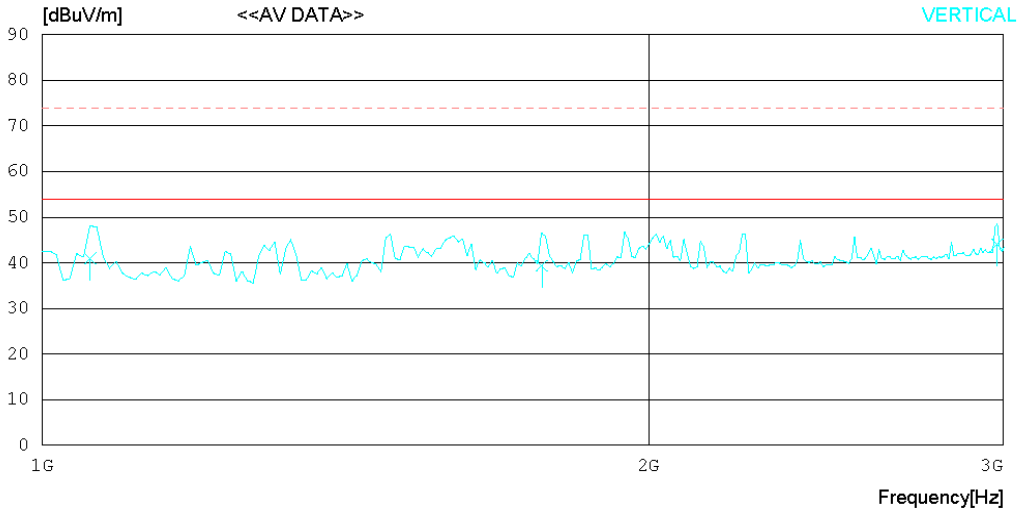
Date : 2010-11-04

Model Name	:	37LD452C-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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-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	1064.325	58.3	23.8	5.0	41.9	45.2	54.0	8.8	100	1
2	1324.547	54.2	24.6	5.6	41.9	42.5	54.0	11.5	100	303
3	1776.852	53.4	25.2	6.5	41.9	43.2	54.0	10.8	100	1
4	2215.654	51.0	26.1	7.3	41.8	42.6	54.0	11.4	100	1
----- Vertical ------										
5	1056.257	54.2	23.8	4.9	41.9	41.0	54.0	13.0	100	151
6	1770.219	49.6	25.2	6.5	41.9	39.4	54.0	14.6	100	358
7	2978.813	47.8	28.8	8.7	41.3	44.0	54.0	10.0	100	358

- 3GHz-6GHz_Peak

Digital EMC

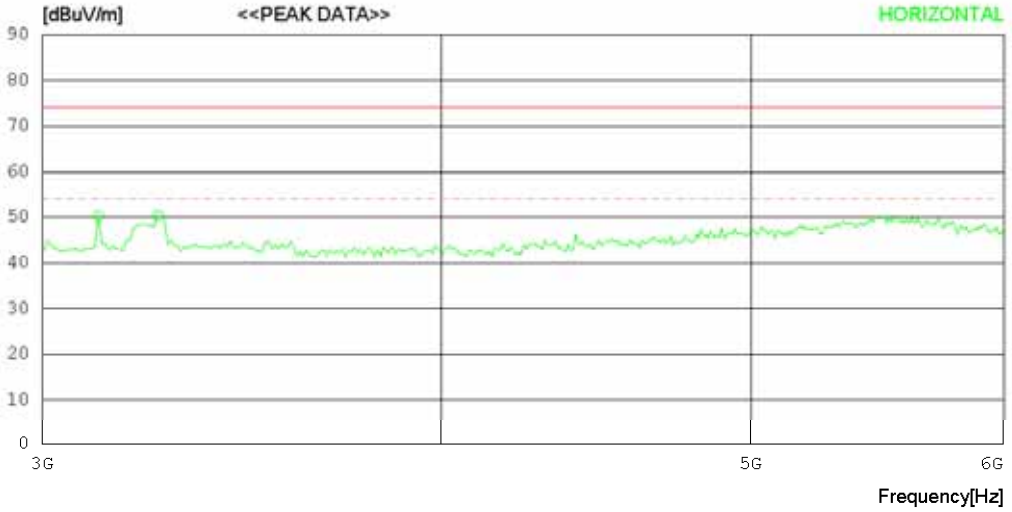
RADIATED EMISSION

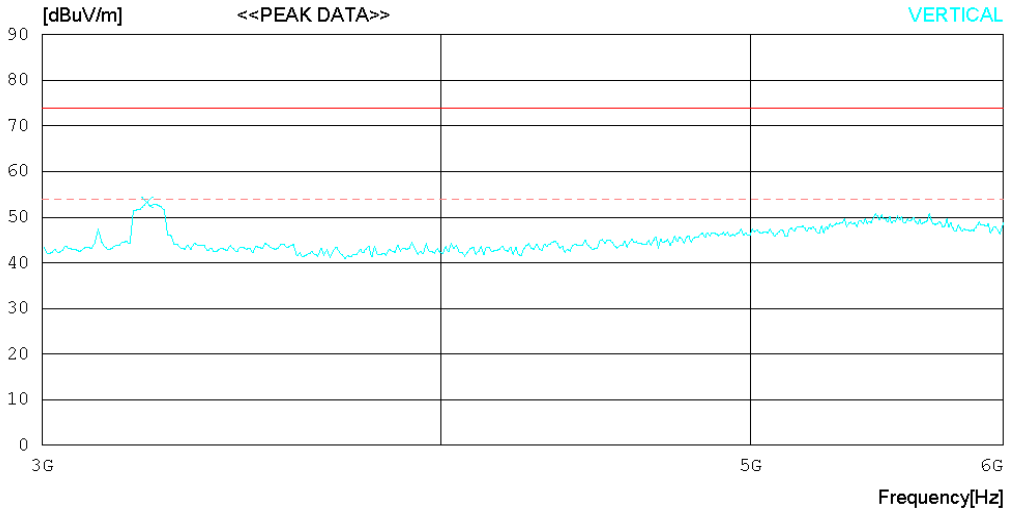
Date : 2010-11-04

Model Name	:	37LD452C-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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-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	3123.413	53.6	28.9	8.9	41.2	50.2	74.0	23.8	100	139
2	3259.633	53.4	29.0	9.1	41.1	50.4	74.0	23.6	100	164
----- Vertical ------										
3	3235.594	56.4	29.0	9.1	41.2	53.3	74.0	20.7	100	358

- 3GHz-6GHz_Average

Digital EMC

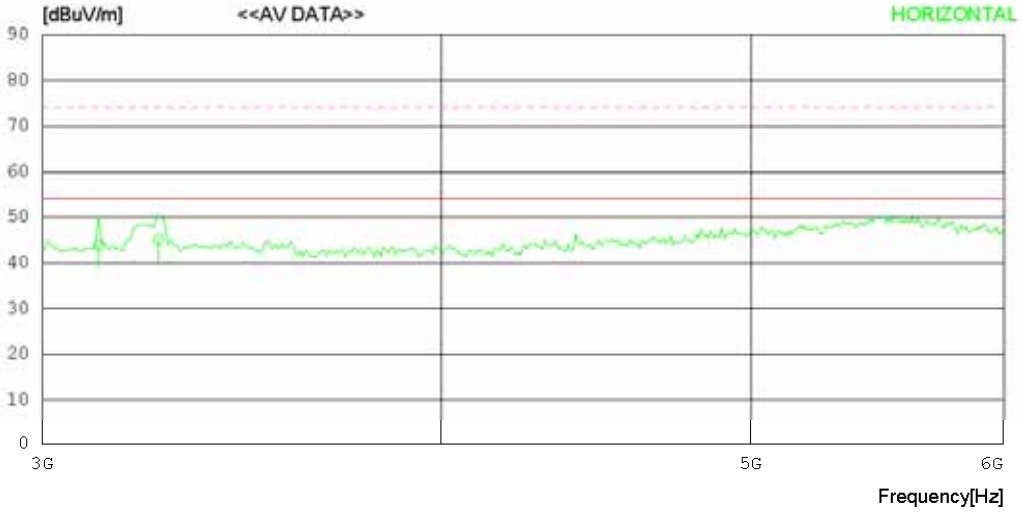
RADIATED EMISSION

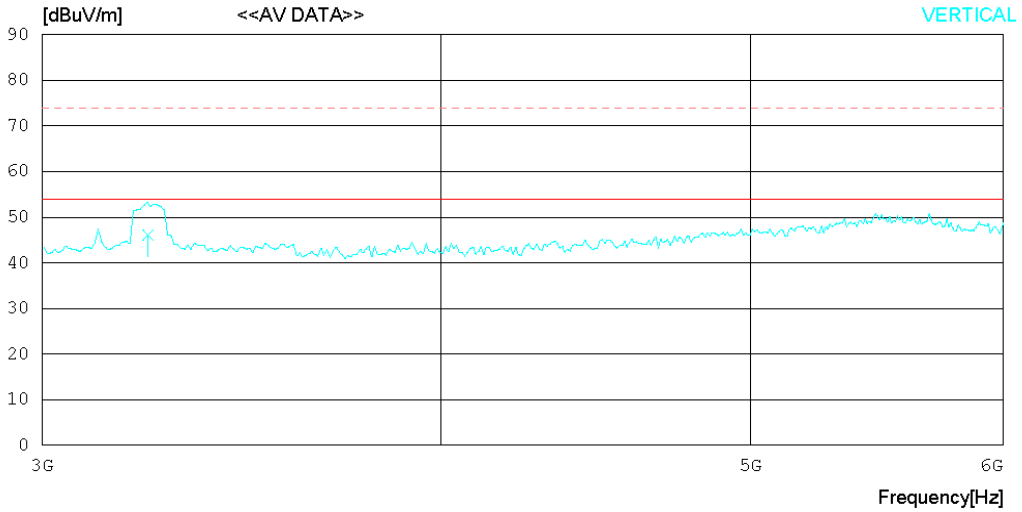
Date : 2010-11-04

Model Name	:	37LD452C-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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-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	3123.771	47.2	28.9	8.9	41.2	43.8	54.0	10.2	100	139
2	3261.257	48.1	29.0	9.1	41.1	45.1	54.0	8.9	100	164
----- Vertical ------										
3	3237.914	49.2	29.0	9.1	41.2	46.1	54.0	7.9	100	358

< USB MODE >

- 30MHz-1GHz

Digital E.M.C

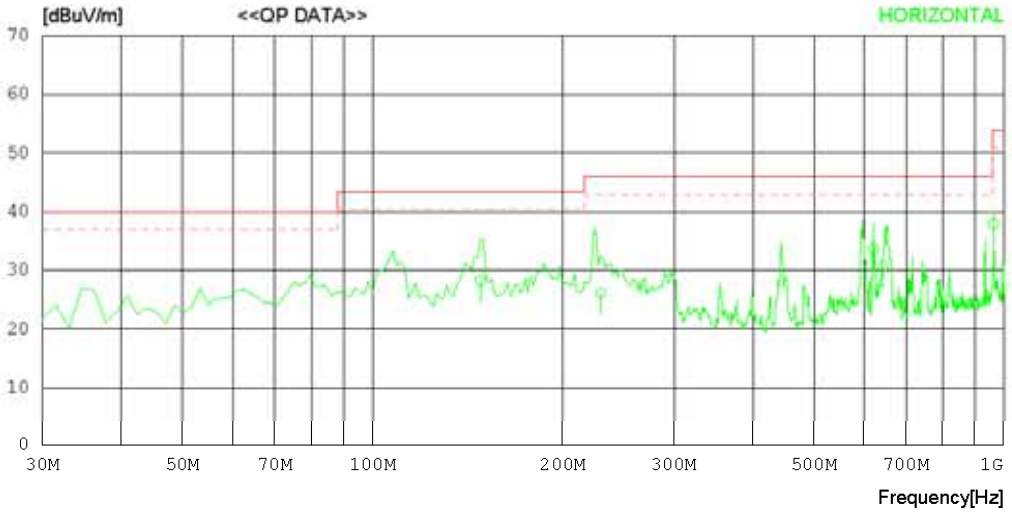
RADIATED EMISSION

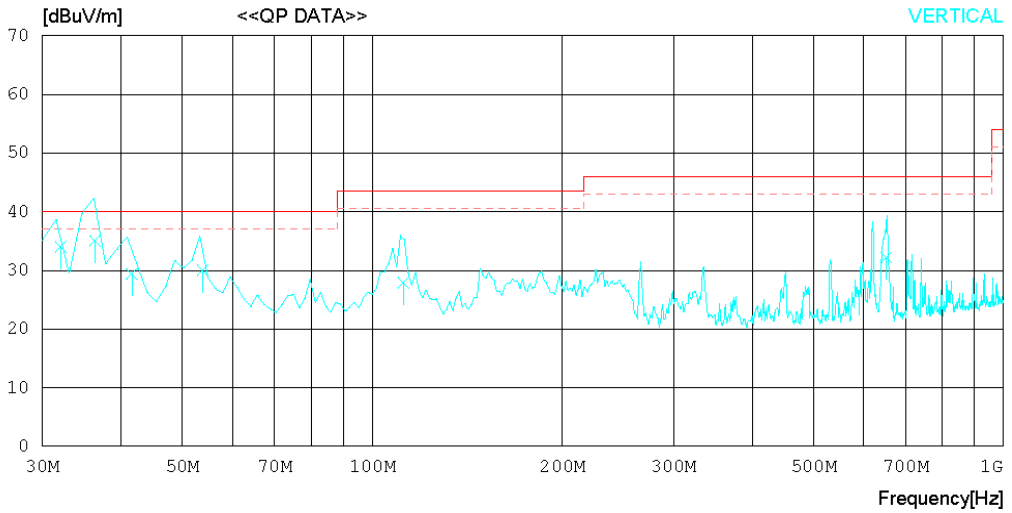
Date : 2010-11-01

Model Name	:	37LD452C-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





RADIATED EMISSION

Date : 2010-11-01

Model Name	:	37LD452C-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	148.076	39.4	10.5	1.4	23.0	28.3	43.5	15.2	100	358
2	229.323	36.1	11.7	1.8	23.4	26.2	46.0	19.8	100	358
3	620.704	36.1	18.8	3.0	24.3	33.6	46.0	12.4	200	124
4	641.633	33.2	18.8	3.0	24.3	30.7	46.0	15.3	100	235
5	961.455	36.1	21.0	3.7	22.9	37.9	54.0	16.1	200	65
----- Vertical ------										
6	32.100	38.8	17.1	0.7	22.6	34.0	40.0	6.0	100	261
7	36.350	40.9	15.9	0.8	22.6	35.0	40.0	5.0	100	299
8	41.600	37.2	14.0	0.8	22.6	29.4	40.0	10.6	100	358
9	53.899	43.9	7.9	0.9	22.7	30.0	40.0	10.0	100	358
10	112.066	38.2	11.3	1.2	22.8	27.9	43.5	15.6	100	355
11	651.902	34.6	18.8	3.1	24.3	32.2	46.0	13.8	119	202

- 1GHz-3GHz_Peak

Digital EMC

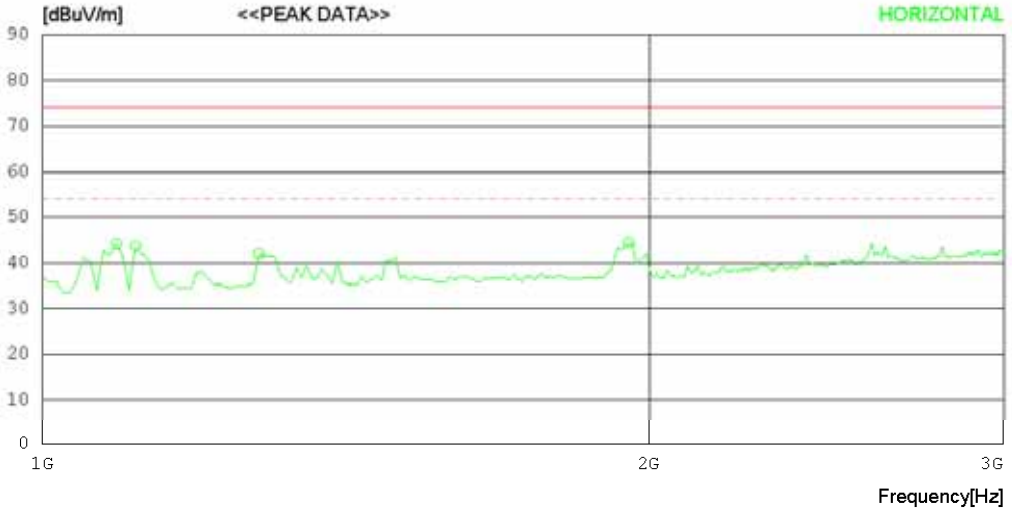
RADIATED EMISSION

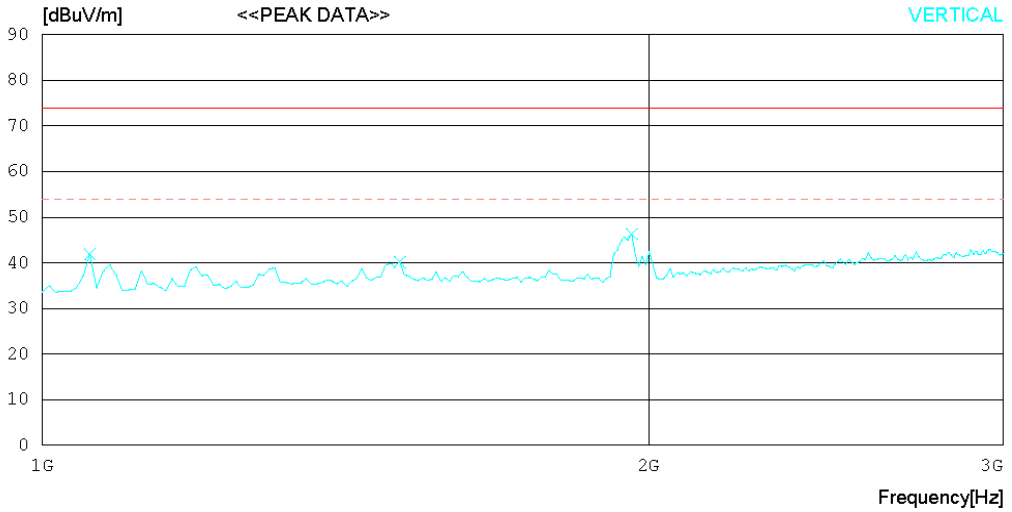
Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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	1088.141	57.2	23.9	5.0	41.9	44.2	74.0	29.8	100	184
2	1112.179	56.5	24.0	5.1	41.9	43.7	74.0	30.3	100	1
3	1280.449	53.9	24.5	5.5	41.9	42.0	74.0	32	100	129
4	1953.525	54.3	25.2	6.9	41.9	44.5	74.0	29.5	100	200
----- Vertical ------										
5	1056.090	55.1	23.8	4.9	41.9	41.9	74.0	32.1	100	216
6	1504.807	51.0	25.1	6.0	41.9	40.2	74.0	33.8	100	137
7	1961.538	56.1	25.2	6.9	41.9	46.3	74.0	27.7	100	168

- 1GHz-3GHz_Average

Digital EMC

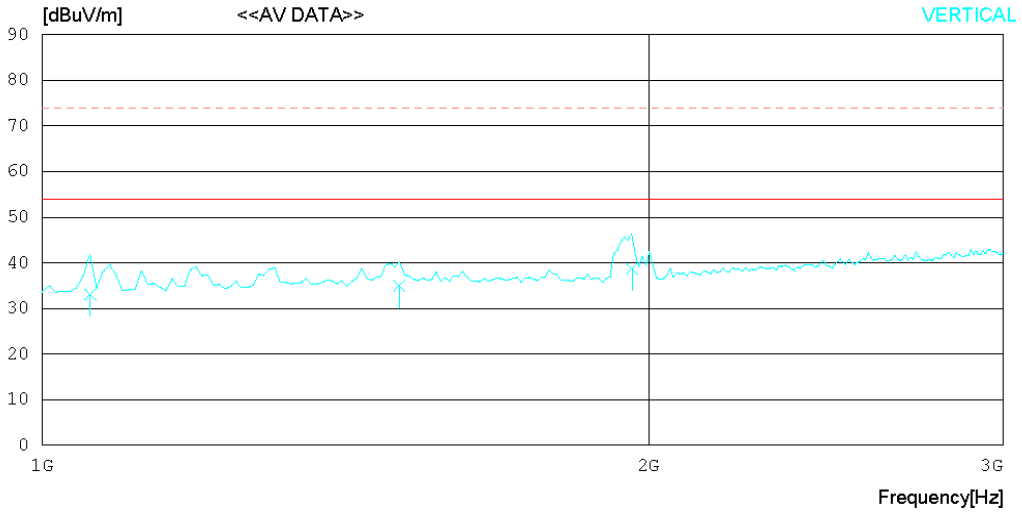
RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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)



RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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	1088.257	47.7	23.9	5.0	41.9	34.7	54.0	19.3	100	184
2	1113.364	46.8	24.0	5.1	41.9	34.0	54.0	20.0	100	1
3	1279.974	47.0	24.5	5.5	41.9	35.1	54.0	18.9	100	129
4	1953.668	47.2	25.2	6.9	41.9	37.4	54.0	16.6	100	200
----- Vertical ------										
5	1056.254	46.3	23.8	4.9	41.9	33.1	54.0	20.9	100	216
6	1503.658	45.8	25.1	6.0	41.9	35.0	54.0	19.0	100	137
7	1962.358	48.5	25.2	6.9	41.9	38.7	54.0	15.3	100	168

- 3GHz-6GHz_Peak

Digital EMC

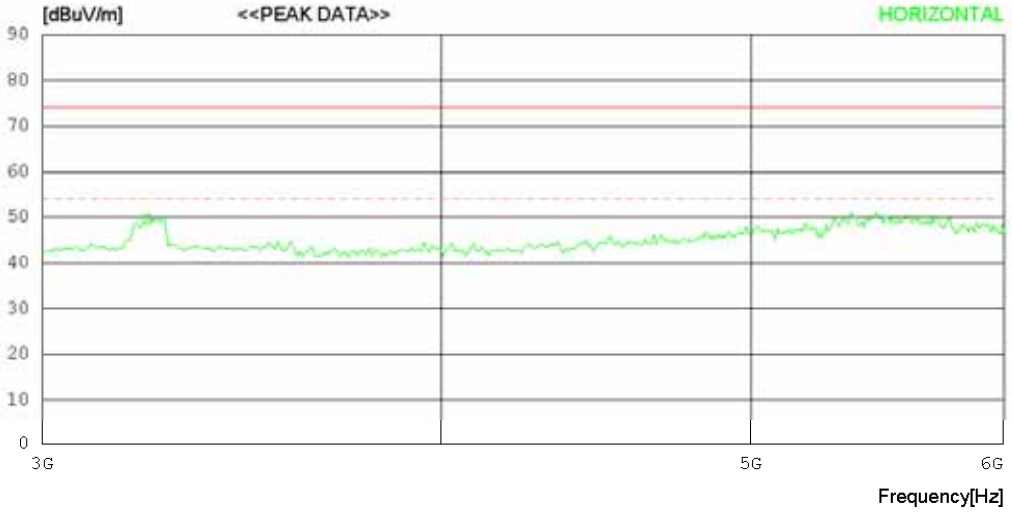
RADIATED EMISSION

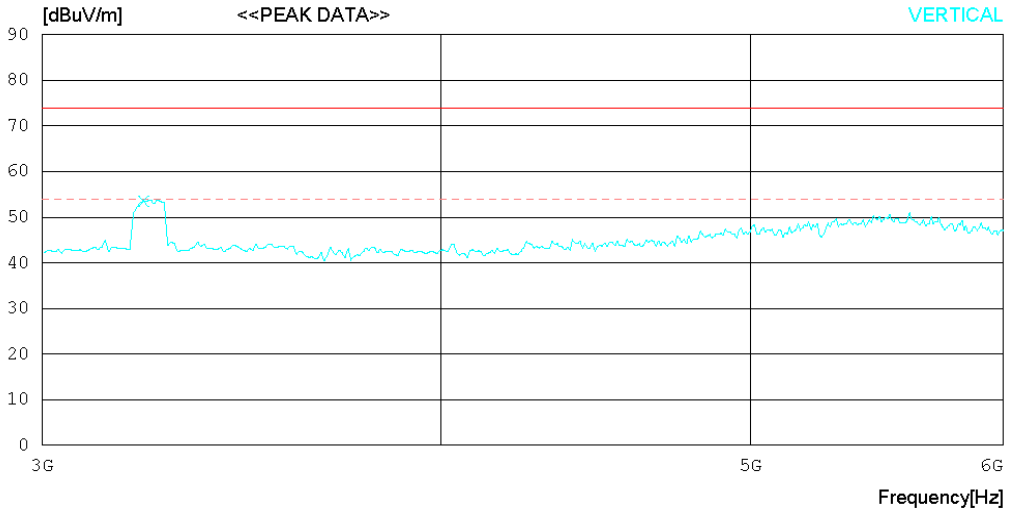
Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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	3235.594	52.7	29.0	9.1	41.2	49.6	74.0	24.4	100	1
----- Vertical ------										
2	3227.581	56.6	29.0	9.1	41.2	53.5	74.0	20.5	100	180

- 3GHz-6GHz_Average

Digital EMC

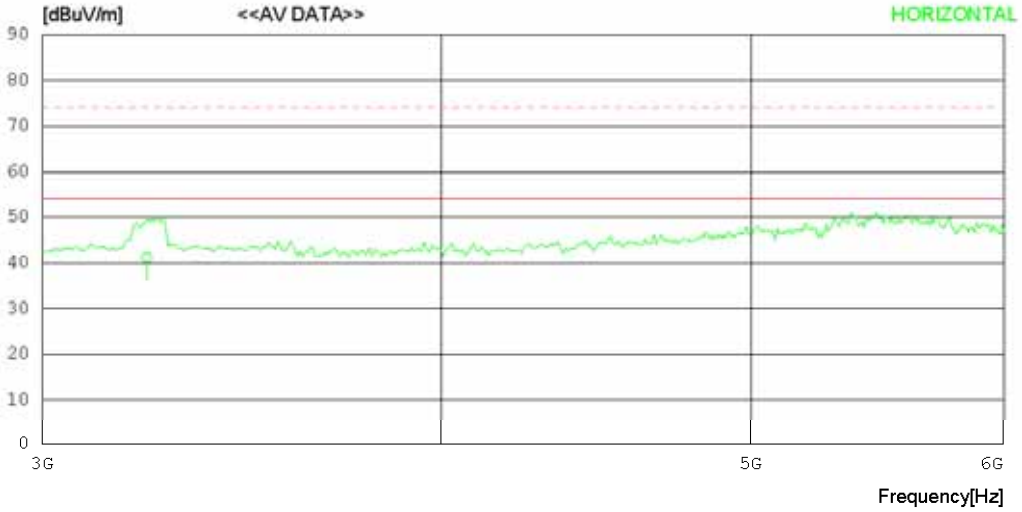
RADIATED EMISSION

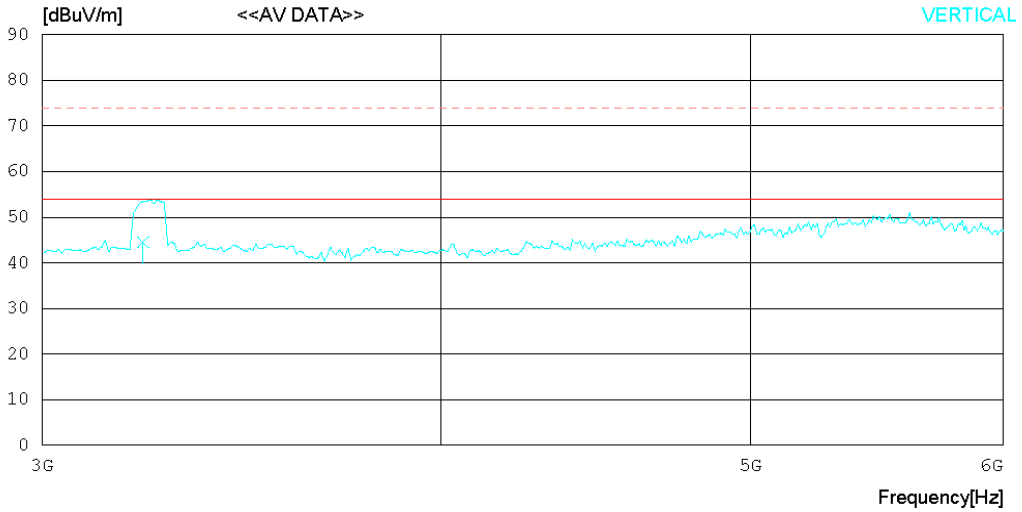
Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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)





RADIATED EMISSION

Date : 2010-11-04

Model Name	:	37LD452C-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 'C 28 % 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	3234.185	44.2	29.0	9.1	41.2	41.1	54.0	12.9	100	1
----- Vertical ------										
2	3226.312	47.6	29.0	9.1	41.2	44.5	54.0	9.5	100	180