



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 : 37LD660H-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 : January 31 ~ February 09, 2011**

**Date of Issue : February 14, 2011**

**Tested by : M.J.SONG/Manager**

**Reviewed by : Y.K.SHIN/Manager**

A handwritten signature in black ink, appearing to be "M.J. Song", written over a horizontal line.

A handwritten signature in black ink, appearing to be "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**

<b>1. General Remarks .....</b>	<b>3</b>
<b>2. Test Laboratory .....</b>	<b>3</b>
<b>3. General Information of EUT .....</b>	<b>4</b>
3.1 Product Information .....	4
<b>4. Test Summary .....</b>	<b>5</b>
4.1 Summary of tests .....	5
<b>5. Test Set-up and operation mode .....</b>	<b>6</b>
5.1 Principle of Configuration Selection .....	6
5.2 Test Operation Mode .....	6
5.3 Support Equipment Used .....	7
<b>6. Test Results : Emission .....</b>	<b>8</b>
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	ROK1028C	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.	37LD660H-UA
Serial No	NONE
Type of Sample Tested	Pre-Production
Rating Power Supply	AC110V
High Frequency	513MHz
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	2011-01-31

#### < Product Specifications >

##### RGB-PC

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720x400	31.469	70.08
640x480	31.469 37.861	59.94 72.80
800x600	37.879 48.077	60.31 72.18
1024x768	48.363 56.476	60.00 70.06
1280x768	47.776 60.289	59.870 74.893
1360x768	47.712	60.015
1280x1024	63.981 79.976	60.020 75.025
1920x1080	66.587	59.934

##### HDMI-PC

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720x400	31.469	70.08
800x600	35.156 37.879	56.25 60.31
1024x768	48.363	60.00
1280x768	47.776	59.87
1360x768	47.712	60.015
1280x1024	63.981	60.02
1920x1080	67.500	60.000

For 37/42/47/55LD650H, 37/42LD655H, 37LD660H

## 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
<b>Emission</b>		
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	AT489AV	CNG0117S	HP	USB	-	-	Plastic	DOC
				Audio	1.6	Non-shield	Plastic	
				LAN	1.7	Non-shield	Plastic	
				Power	1.8	Non-shield	Plastic	
				DSUB	1.6	Shield	Plastic	
				DVI to HDMI	1.8	Shield	Plastic	
Keyboard	SKG-210PB	TAKSB24503Y	MONITEREY INTERNATIONAL CORP	PS/2	1.4	Non-shield	Plastic	DOC
Mouse	SML-510PB	M5PBTAKS603018D	MONITEREY INTERNATIONAL CORP	PS/2	1.4	Non-shield	Plastic	DOC
Printer	SRP-770	N/A	BIXOLON	USB	1.8	Non-shield	Plastic	DOC
				Power	1.8	Non-shield	Plastic	
USB Memory	SUBA-2G1	N/A	HANAMICRON CO., LTD.	USB	-	-	Plastic	DOC

## 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 2<sup>nd</sup> 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	2011.01.11	2012.01.11



### 6.1.3 Limit for Conducted Emission

#### (1) Conducted Emission at mains ports of class A

Frequency range (MHz)	Limits dB( $\mu$ 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( $\mu$ 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	January 31, 2011
Ambient Temperature	21
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

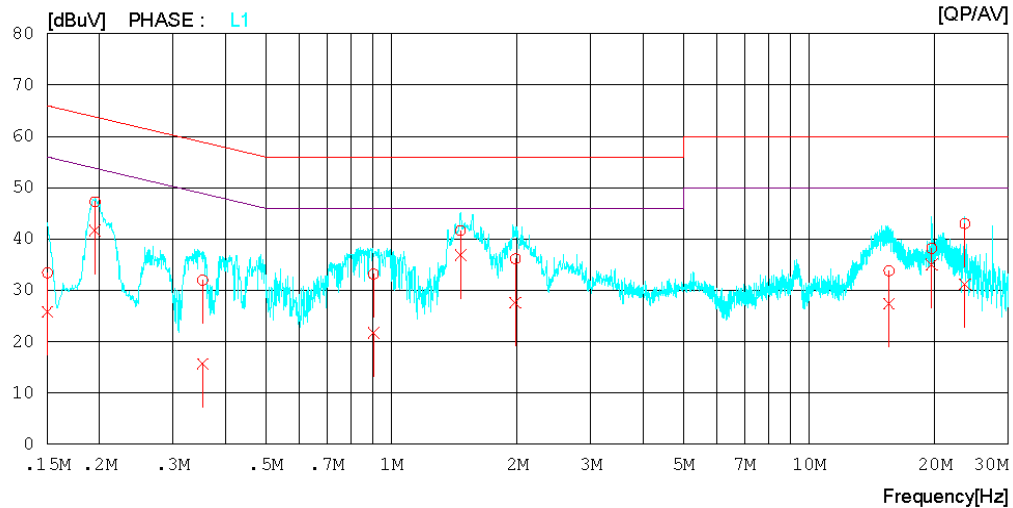
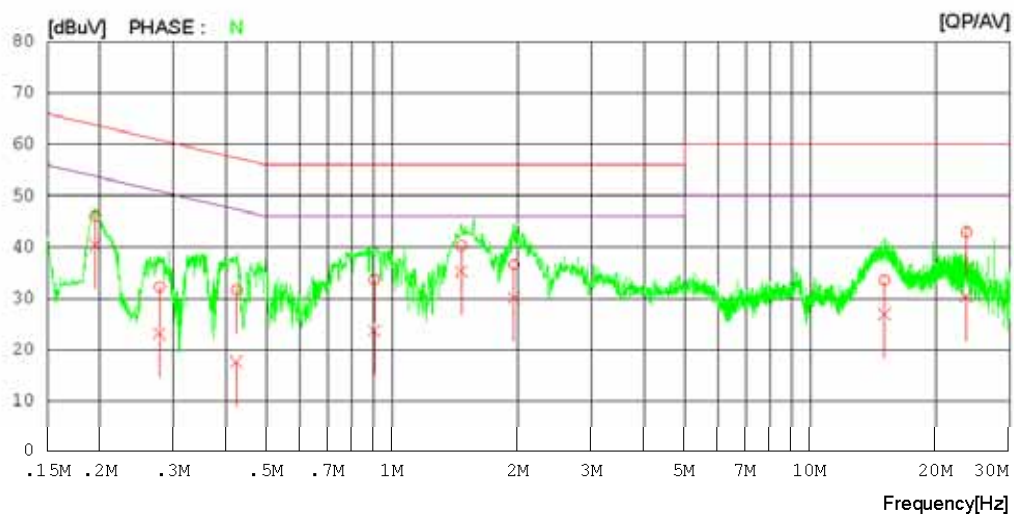
3. Margin = Limit - Emission level

**Test Result**

## &lt; DSUB MODE &gt;

**Results of Conducted Emission**Digital EMC  
Date : 2011/01/31Model No. : 37LD660H-UA  
Type :  
Serial No. :  
Test Condition : DSUBReference No. :  
Power Supply : 120V 60Hz  
Temp/Humi. : 21 °C 36 % R.H  
Operator :

Memo :

LIMIT : CISPR22\_B QP  
CISPR22\_B AV

## Results of Conducted Emission

Digital EMC  
Date : 2011/01/31

Model No. : 37LD660H-UA  
Type :  
Serial No. :  
Test Condition : DSUB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi. : 21 °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	0.19516	46.0	40.2	0.1	46.1	40.3	63.8	53.8	17.7	13.5	N
2	0.27780	32.1	23.0	0.1	32.2	23.1	60.9	50.9	28.7	27.8	N
3	0.42463	31.4	17.4	0.2	31.6	17.6	57.4	47.4	25.8	29.8	N
4	0.90556	33.3	23.4	0.3	33.6	23.7	56.0	46.0	22.4	22.3	N
5	1.46300	39.9	35.0	0.3	40.2	35.3	56.0	46.0	15.8	10.7	N
6	1.95550	36.3	29.8	0.3	36.6	30.1	56.0	46.0	19.4	15.9	N
7	15.01950	32.7	26.1	0.8	33.5	26.9	60.0	50.0	26.5	23.1	N
8	23.57800	41.9	29.4	1.0	42.9	30.4	60.0	50.0	17.1	19.6	N
9	0.15006	33.3	25.8	0.1	33.4	25.9	66.0	56.0	32.6	30.1	L1
10	0.19513	47.2	41.6	0.1	47.3	41.7	63.8	53.8	16.5	12.1	L1
11	0.35333	31.8	15.5	0.2	32.0	15.7	58.9	48.9	26.9	33.2	L1
12	0.90550	32.9	21.4	0.3	33.2	21.7	56.0	46.0	22.8	24.3	L1
13	1.46350	41.3	36.6	0.3	41.6	36.9	56.0	46.0	14.4	9.1	L1
14	1.98000	35.8	27.3	0.3	36.1	27.6	56.0	46.0	19.9	18.4	L1
15	15.52450	33.0	26.6	0.8	33.8	27.4	60.0	50.0	26.2	22.6	L1
16	19.65550	37.3	34.2	0.9	38.2	35.1	60.0	50.0	21.8	14.9	L1
17	23.58050	42.0	30.2	1.0	43.0	31.2	60.0	50.0	17.0	18.8	L1

< HDMI MODE >



# Results of Conducted Emission

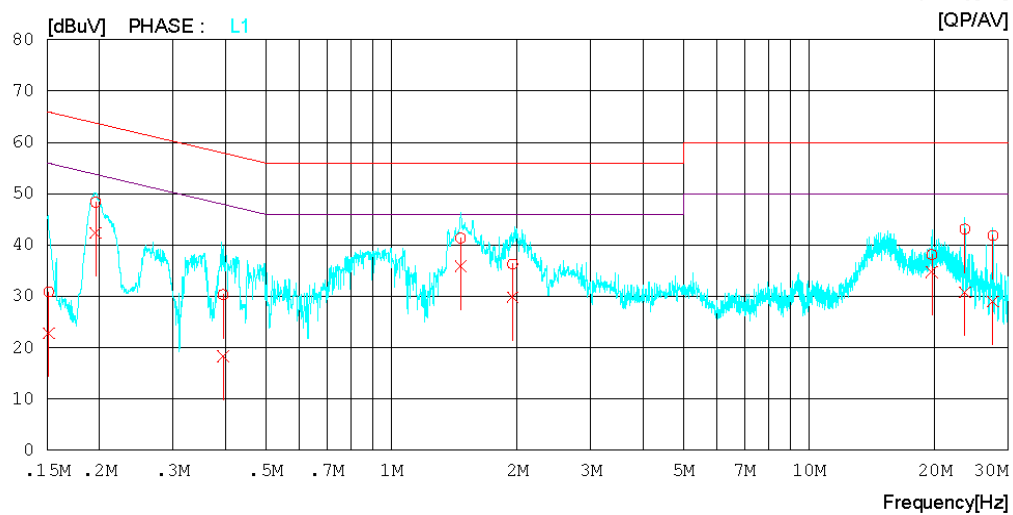
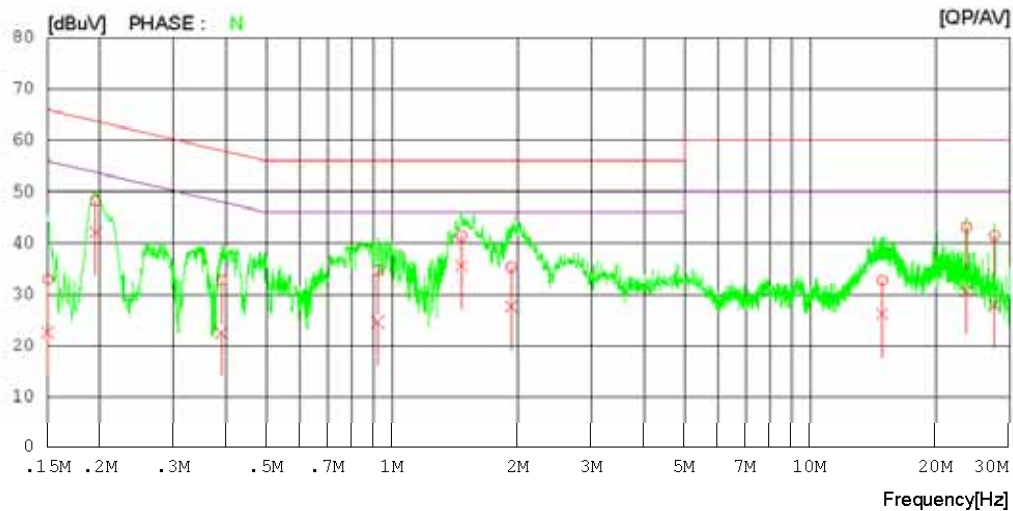
Digital EMC  
Date : 2011/01/31

Model No. : 37LD660H-UA  
Type :  
Serial No. :  
Test Condition : HDMI

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi. : 21 °C 36 % R.H  
Operator :

Memo :

LIMIT : CISPR22\_B QP  
CISPR22\_B AV



## Results of Conducted Emission

Digital EMC  
Date : 2011/01/31

Model No. : 37LD660H-UA  
Type :  
Serial No. :  
Test Condition : HDMI

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi. : 21 °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	0.15031	32.8	22.5	0.1	32.9	22.6	66.0	56.0	33.1	33.4	N
2	0.19536	48.1	41.9	0.1	48.2	42.0	63.8	53.8	15.6	11.8	N
3	0.39063	32.5	22.3	0.2	32.7	22.5	58.1	48.1	25.4	25.6	N
4	0.92375	34.4	24.3	0.3	34.7	24.6	56.0	46.0	21.3	21.4	N
5	1.46500	41.1	35.3	0.3	41.4	35.6	56.0	46.0	14.6	10.4	N
6	1.92650	35.0	27.2	0.3	35.3	27.5	56.0	46.0	20.7	18.5	N
7	14.83950	31.9	25.5	0.8	32.7	26.3	60.0	50.0	27.3	23.7	N
8	23.58800	42.1	29.7	1.0	43.1	30.7	60.0	50.0	16.9	19.3	N
9	27.51700	40.4	26.9	1.1	41.5	28.0	60.0	50.0	18.5	22.0	N
10	0.15104	30.8	22.8	0.1	30.9	22.9	65.9	55.9	35.0	33.0	L1
11	0.19559	48.3	42.3	0.1	48.4	42.4	63.8	53.8	15.4	11.4	L1
12	0.39518	30.2	18.1	0.2	30.4	18.3	58.0	48.0	27.6	29.7	L1
13	1.46350	41.0	35.6	0.3	41.3	35.9	56.0	46.0	14.7	10.1	L1
14	1.94900	36.0	29.5	0.3	36.3	29.8	56.0	46.0	19.7	16.2	L1
15	19.66650	37.2	33.8	0.9	38.1	34.7	60.0	50.0	21.9	15.3	L1
16	23.58750	42.1	29.8	1.0	43.1	30.8	60.0	50.0	16.9	19.2	L1
17	27.52100	40.8	27.9	1.1	41.9	29.0	60.0	50.0	18.1	21.0	L1

< USB MODE >



# Results of Conducted Emission

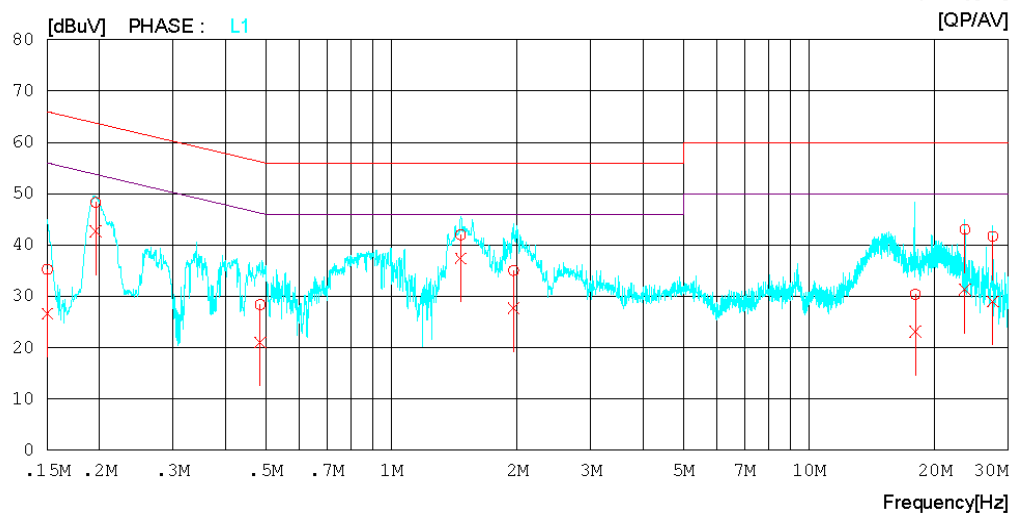
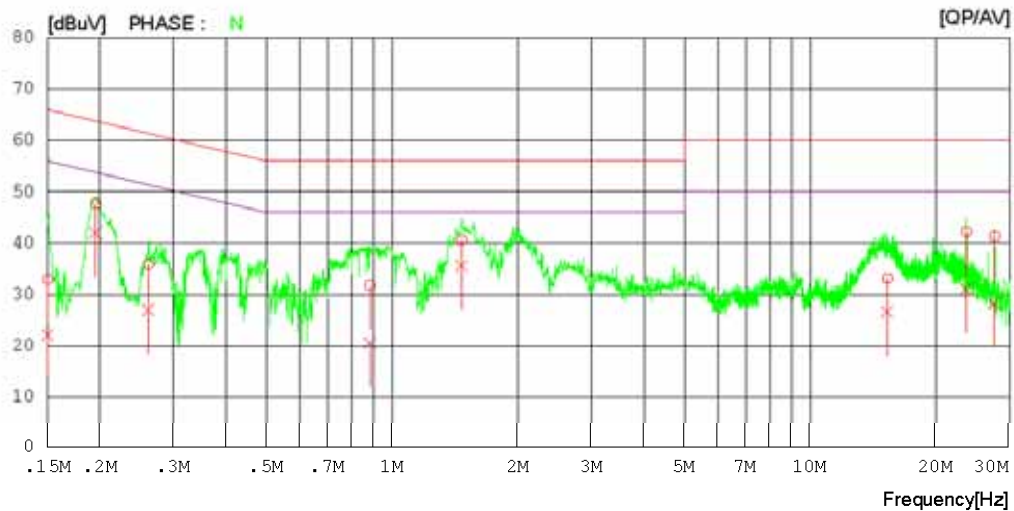
Digital EMC  
Date : 2011/01/31

Model No. : 37LD660H-UA  
Type :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi. : 21 °C 36 % R.H  
Operator :

Memo :

LIMIT : CISPR22\_B QP  
CISPR22\_B AV



# Results of Conducted Emission

Digital EMC  
Date : 2011/01/31

Model No. : 37LD660H-UA  
Type :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi. : 21 °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	0.15018	32.9	22.0	0.1	33.0	22.1	66.0	56.0	33.0	33.9	N
2	0.19535	47.7	41.9	0.1	47.8	42.0	63.8	53.8	16.0	11.8	N
3	0.26119	35.8	26.8	0.1	35.9	26.9	61.4	51.4	25.5	24.5	N
4	0.88401	31.4	20.2	0.3	31.7	20.5	56.0	46.0	24.3	25.5	N
5	1.46600	40.3	35.3	0.3	40.6	35.6	56.0	46.0	15.4	10.4	N
6	15.27450	32.3	25.8	0.8	33.1	26.6	60.0	50.0	26.9	23.4	N
7	23.58350	41.2	30.0	1.0	42.2	31.0	60.0	50.0	17.8	19.0	N
8	27.51500	40.2	27.1	1.1	41.3	28.2	60.0	50.0	18.7	21.8	N
9	0.15000	35.2	26.5	0.1	35.3	26.6	66.0	56.0	30.7	29.4	L1
10	0.19569	48.2	42.6	0.1	48.3	42.7	63.8	53.8	15.5	11.1	L1
11	0.48510	28.2	20.8	0.2	28.4	21.0	56.3	46.3	27.9	25.3	L1
12	1.46400	41.7	37.1	0.3	42.0	37.4	56.0	46.0	14.0	8.6	L1
13	1.96000	34.7	27.4	0.3	35.0	27.7	56.0	46.0	21.0	18.3	L1
14	17.95500	29.5	22.2	0.9	30.4	23.1	60.0	50.0	29.6	26.9	L1
15	23.58550	42.0	30.3	1.0	43.0	31.3	60.0	50.0	17.0	18.7	L1
16	27.51700	40.6	27.9	1.1	41.7	29.0	60.0	50.0	18.3	21.0	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	2011.01.20	2012.01.20
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	2011.01.11	2012.01.11
Low Noise Preamplifier	MLA-00108-B02-36	1518831	TSJ	2011.01.11	2012.01.11
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 <sup>th</sup> 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 $\mu$ V/m)	Quasi-peak limits (dB $\mu$ 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 $\mu$ V/m)	peak (dB $\mu$ V/m)	peak (dB $\mu$ V/m)	Average (dB $\mu$ 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 $\mu$ V/m)	peak (dB $\mu$ V/m)	peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)
1 to 40	80	60	74	54

## 6.2.4 Test Result

Test date	February 09, 2011
Ambient Temperature	20
Relative Humidity	37 % 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**

&lt; DSUB MODE &gt;

- 30MHz-1GHz

**RADIATED EMISSION**

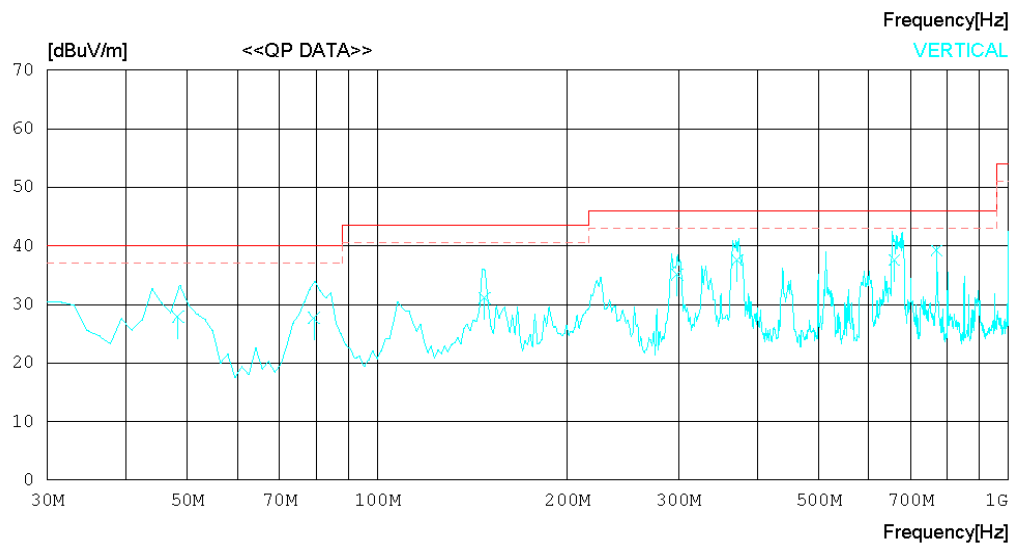
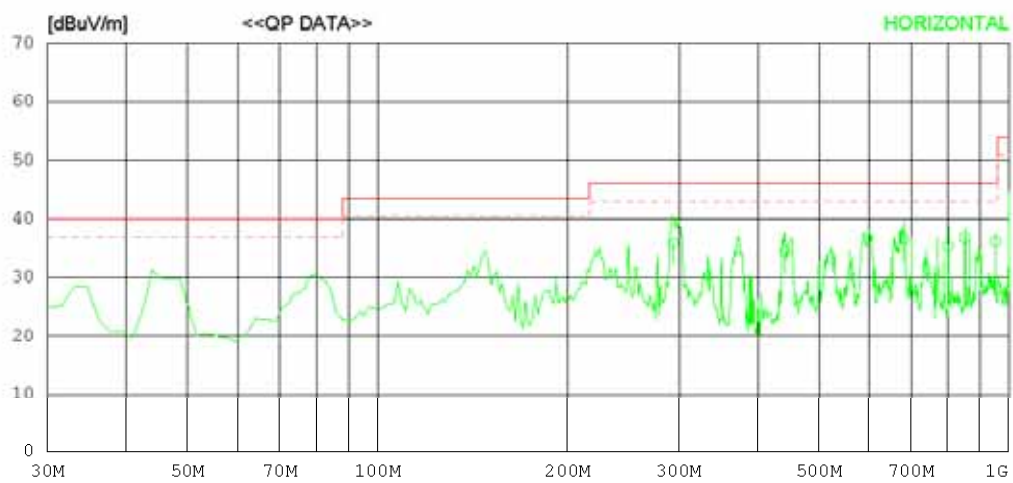
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : DSUB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % R.H.  
Operator :

Memo :

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



**RADIATED EMISSION**

Date : 2011-02-09

Model Name : 37LD660H-UA  
 Model No. :  
 Serial No. :  
 Test Condition : DSUB

Reference No. :  
 Power Supply : 120V 60Hz  
 Temp/Humi : 20 °C 37 % R.H.  
 Operator :

Memo :

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

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	293.645	44.0	13.7	2.0	23.8	35.9	46.0	10.1	121	155
2	441.525	39.7	16.7	2.5	24.5	34.4	46.0	11.6	301	358
3	680.325	38.6	18.9	3.1	24.1	36.5	46.0	9.5	303	315
4	800.026	35.4	20.2	3.4	23.6	35.4	46.0	10.6	226	199
5	849.996	36.2	20.6	3.5	23.5	36.8	46.0	9.2	200	218
6	950.364	34.5	21.0	3.7	23.0	36.2	46.0	9.8	110	181
----- Vertical -----										
7	48.336	38.6	11.0	0.9	22.6	27.9	40.0	12.1	100	226
8	79.351	42.1	7.1	1.1	22.6	27.7	40.0	12.3	100	298
9	147.833	42.2	10.6	1.4	23.1	31.1	43.5	12.4	100	342
10	298.727	43.2	13.8	2.0	23.9	35.1	46.0	10.9	134	176
11	371.525	44.1	15.4	2.3	24.2	37.6	46.0	8.4	121	184
12	659.326	39.9	18.8	3.1	24.2	37.6	46.0	8.4	149	190
13	769.480	39.8	19.8	3.4	23.8	39.2	46.0	6.8	100	189

- 1GHz-3GHz\_Peak



# RADIATED EMISSION

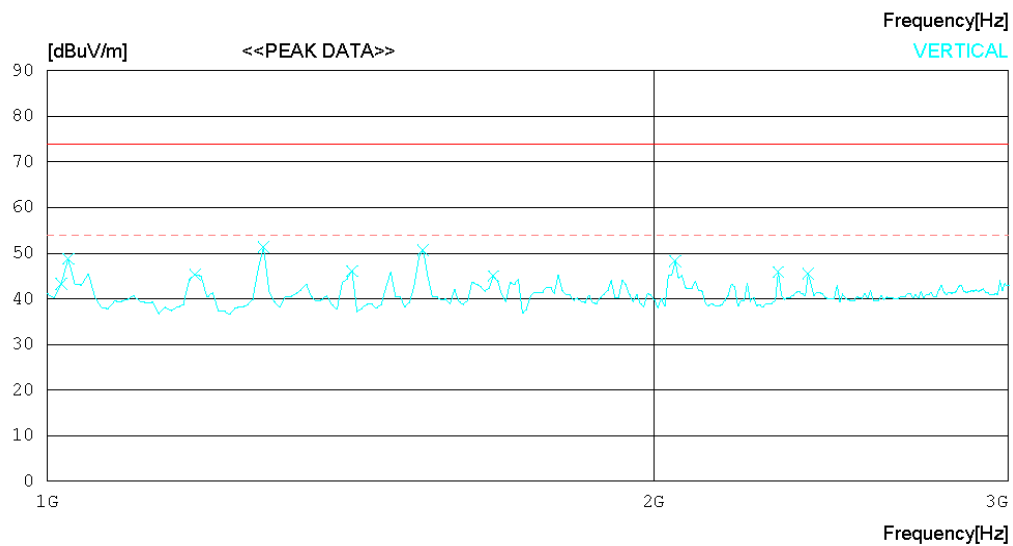
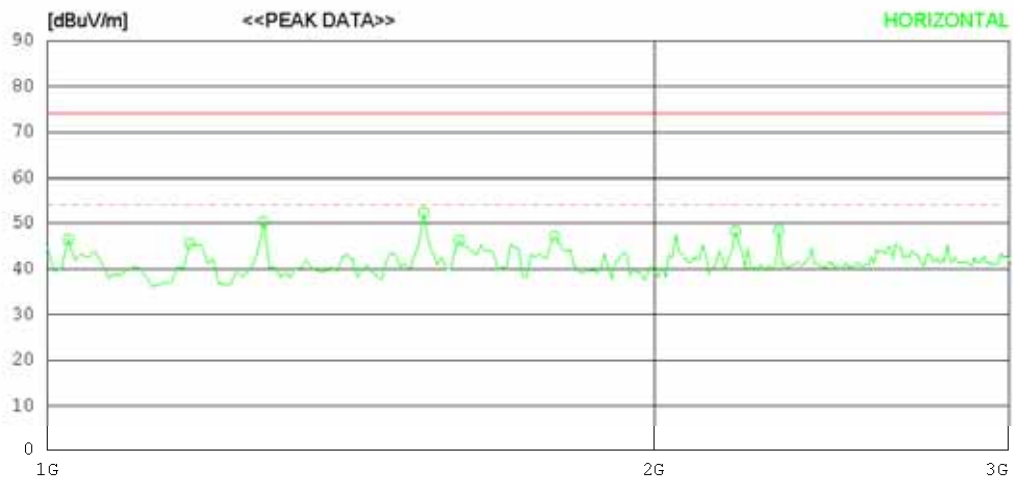
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : DSUB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	: 37LD660H-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 20 °C 37 % 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	1024.038	59.7	23.7	4.9	41.8	46.5	74.0	27.5	100	358
2	1176.282	58.0	24.2	5.2	41.8	45.6	74.0	28.4	201	201
3	1280.449	62.2	24.5	5.5	41.9	50.3	74.0	23.7	100	358
4	1536.859	63.1	25.1	6.0	41.9	52.3	74.0	21.7	100	222
5	1600.961	56.8	25.2	6.2	41.9	46.3	74.0	27.7	100	238
6	1785.256	57.4	25.2	6.6	42.0	47.2	74.0	26.8	201	333
7	2193.912	57.0	26.0	7.3	42.0	48.3	74.0	25.7	100	358
8	2306.093	56.4	26.5	7.5	42.0	48.4	74.0	25.6	100	231
----- Vertical -----										
9	1016.026	56.5	23.7	4.9	41.8	43.3	74.0	30.7	201	1
10	1024.038	62.0	23.7	4.9	41.8	48.8	74.0	25.2	201	1
11	1184.295	57.7	24.2	5.2	41.8	45.3	74.0	28.7	100	358
12	1280.449	63.2	24.5	5.5	41.9	51.3	74.0	22.7	100	223
13	1416.667	57.3	24.9	5.8	41.9	46.1	74.0	27.9	100	358
14	1536.859	61.5	25.1	6.0	41.9	50.7	74.0	23.3	100	358
15	1665.064	55.4	25.2	6.3	41.9	45.0	74.0	29	100	207
16	2049.679	57.8	25.4	7.1	42.0	48.3	74.0	25.7	100	358
17	2306.093	53.9	26.5	7.5	42.0	45.9	74.0	28.1	100	185
18	2386.223	53.1	26.8	7.6	42.0	45.5	74.0	28.5	201	15

- 1GHz-3GHz\_Average



# RADIATED EMISSION

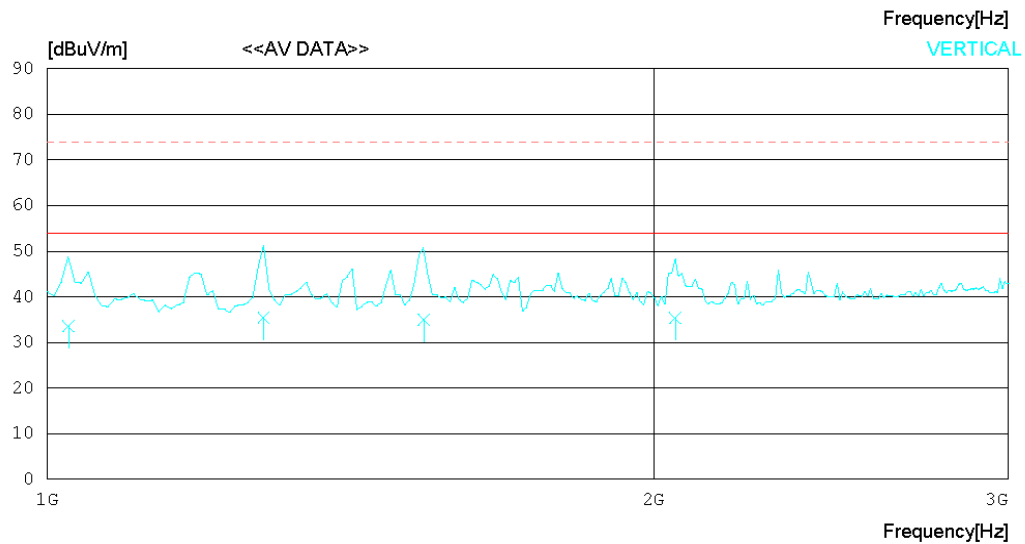
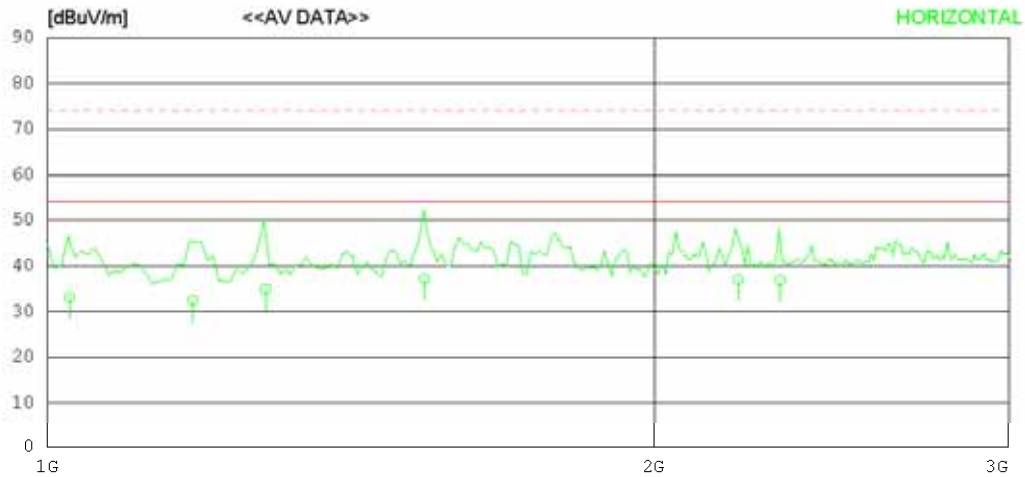
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : DSUB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	1025.674	46.3	23.7	4.9	41.8	33.1	54.0	20.9	100	358
2	1180.377	44.8	24.2	5.2	41.8	32.4	54.0	21.6	201	201
3	1283.184	46.8	24.5	5.5	41.9	34.9	54.0	19.1	100	358
4	1537.915	48.0	25.1	6.0	41.9	37.2	54.0	16.8	100	222
5	2201.520	45.6	26.1	7.3	42.0	37.0	54.0	17.0	100	358
6	2309.552	44.8	26.5	7.5	42.0	36.8	54.0	17.2	100	231
----- Vertical -----										
7	1024.480	46.8	23.7	4.9	41.8	33.6	54.0	20.4	201	1
8	1280.257	47.3	24.5	5.5	41.9	35.4	54.0	18.6	100	358
9	1537.622	45.8	25.1	6.0	41.9	35.0	54.0	19.0	100	358
10	2049.703	44.9	25.4	7.1	42.0	35.4	54.0	18.6	100	185

**- 3GHz-6GHz\_Peak****RADIATED EMISSION**

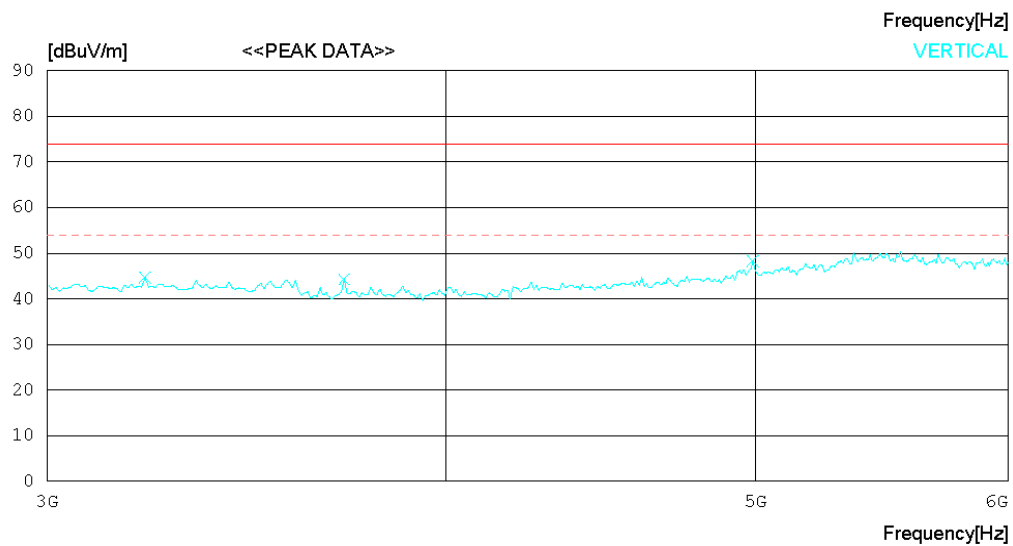
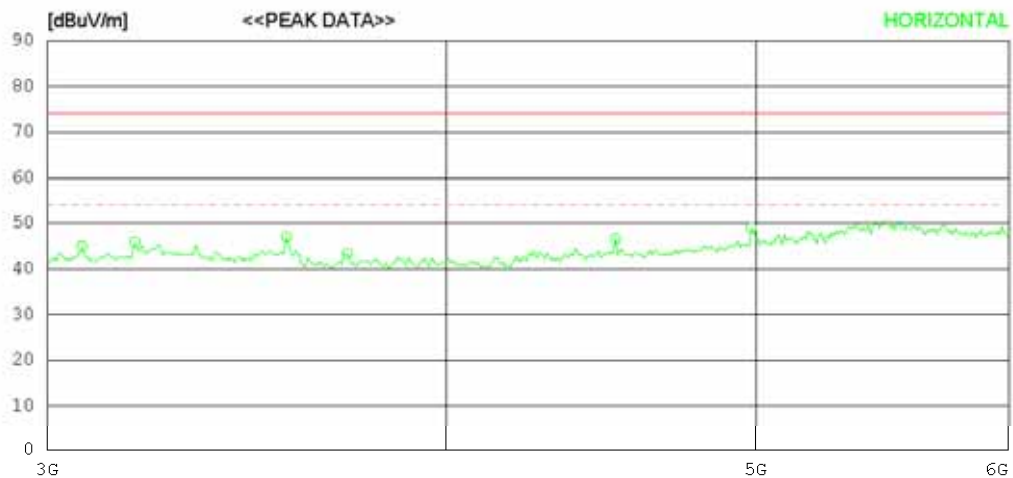
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : DSUB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	3075.335	49.3	28.9	8.9	42.1	45.0	74.0	29	100	177
2	3195.530	49.9	28.9	9.0	42.0	45.8	74.0	28.2	100	224
3	3564.125	50.1	29.3	9.5	41.9	47.0	74.0	27	100	195
4	3724.384	46.0	29.6	9.7	41.9	43.4	74.0	30.6	201	359
5	4517.652	46.5	30.8	10.7	41.4	46.6	74.0	27.4	201	359
6	4982.388	46.2	32.8	11.1	41.1	49.0	74.0	25	201	359
----- Vertical -----										
7	3219.568	48.6	29.0	9.1	42.0	44.7	74.0	29.3	201	164
8	3716.371	46.9	29.6	9.7	41.9	44.3	74.0	29.7	100	358
9	4990.401	45.5	32.8	11.1	41.1	48.3	74.0	25.7	100	358

**- 3GHz-6GHz\_Average****RADIATED EMISSION**

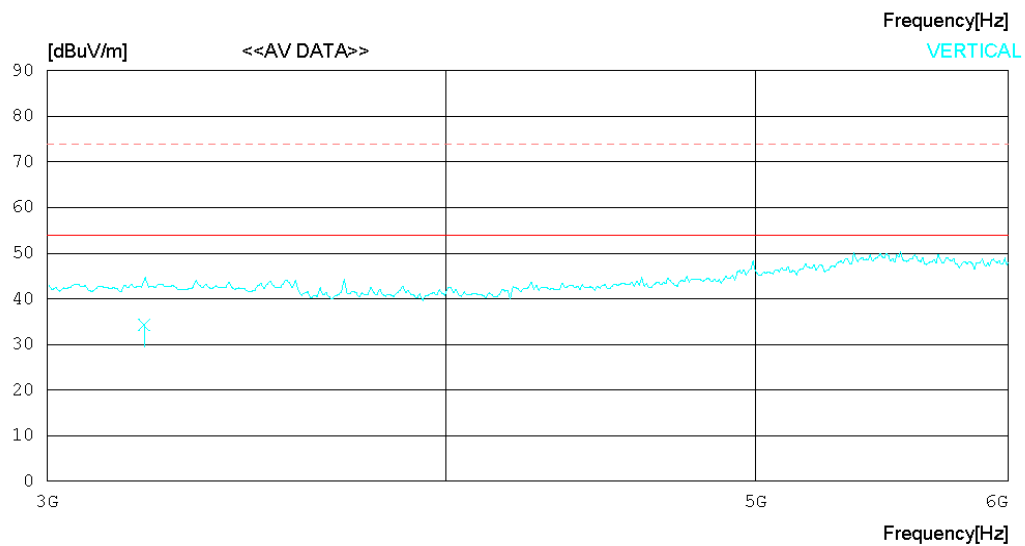
Date : 2011-02-09

Model Name : 37LD660H-UA  
 Model No. :  
 Serial No. :  
 Test Condition : DSUB

Reference No. :  
 Power Supply : 120V 60Hz  
 Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	3196.302	40.3	28.9	9.0	42.0	36.2	54.0	17.8	100	224
2	3565.771	41.2	29.3	9.5	41.9	38.1	54.0	15.9	100	195
3	4995.515	38.7	32.8	11.1	41.1	41.5	54.0	12.5	201	359
----- Vertical -----										
4	3217.053	38.2	29.0	9.1	42.0	34.3	54.0	19.7	201	164

&lt; HDMI MODE &gt;

- 30MHz-1GHz



## RADIATED EMISSION

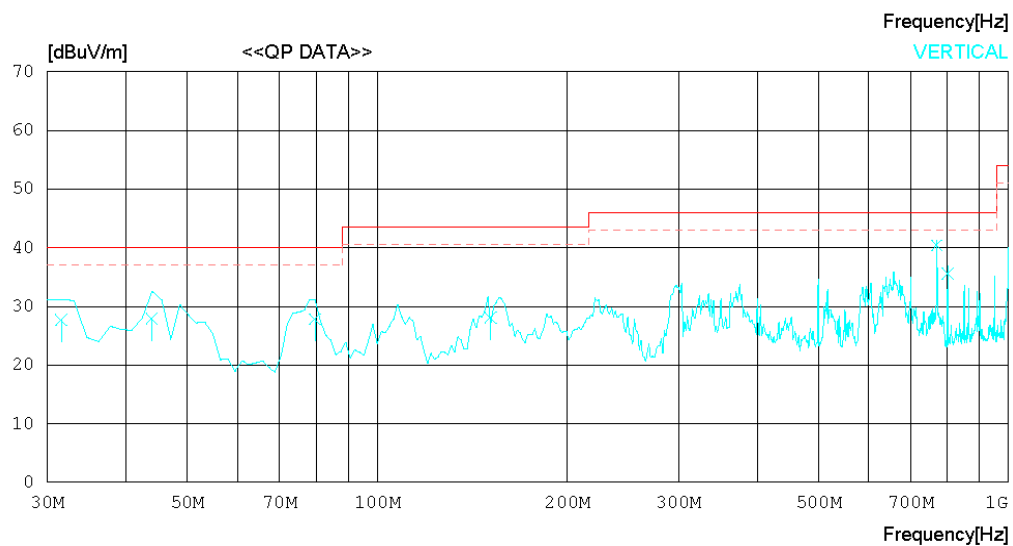
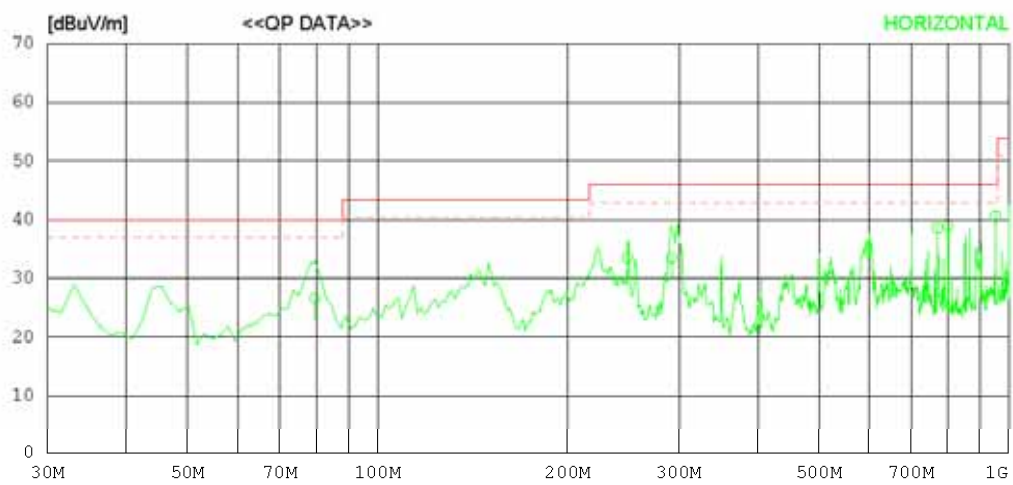
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : HDMI

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % R.H.  
Operator :

Memo :

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



**RADIATED EMISSION**

Date : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % R.H.
Test Condition	:	HDMI	Operator	:	

Memo :

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

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	QP	FACTOR	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
		[dBuV]	[dB]							
----- Horizontal -----										
1	79.527	41.0	7.1	1.1	22.6	26.6	40.0	13.4	201	168
2	248.626	42.2	13.0	1.8	23.5	33.5	46.0	12.5	100	1
3	292.118	41.7	13.7	2.0	23.8	33.6	46.0	12.4	100	218
4	769.506	39.2	19.8	3.4	23.8	38.6	46.0	7.4	201	351
5	800.000	39.1	20.2	3.4	23.7	39.0	46.0	7.0	100	203
6	949.985	39.0	21.0	3.7	23.1	40.6	46.0	5.4	100	189
----- Vertical -----										
7	31.554	32.4	17.2	0.7	22.6	27.7	40.0	12.3	212	124
8	43.956	35.6	14.1	0.8	22.6	27.9	40.0	12.1	108	260
9	79.626	42.2	7.1	1.1	22.6	27.8	40.0	12.2	100	358
10	151.252	39.4	10.4	1.4	23.1	28.1	43.5	15.4	100	216
11	769.480	41.0	19.8	3.4	23.8	40.4	46.0	5.6	100	358
12	801.202	35.6	20.2	3.4	23.6	35.6	46.0	10.4	199	199

- 1GHz-3GHz\_Peak



# RADIATED EMISSION

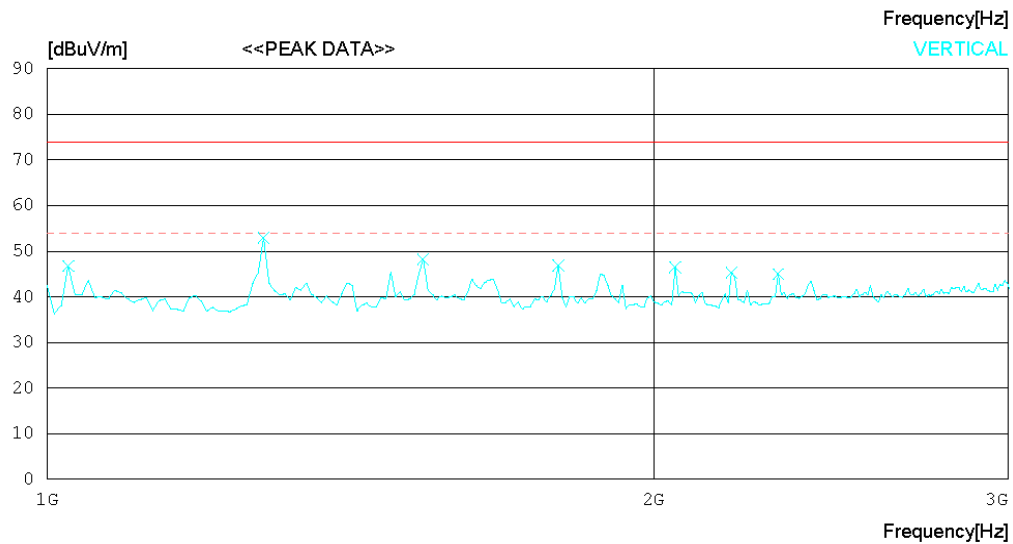
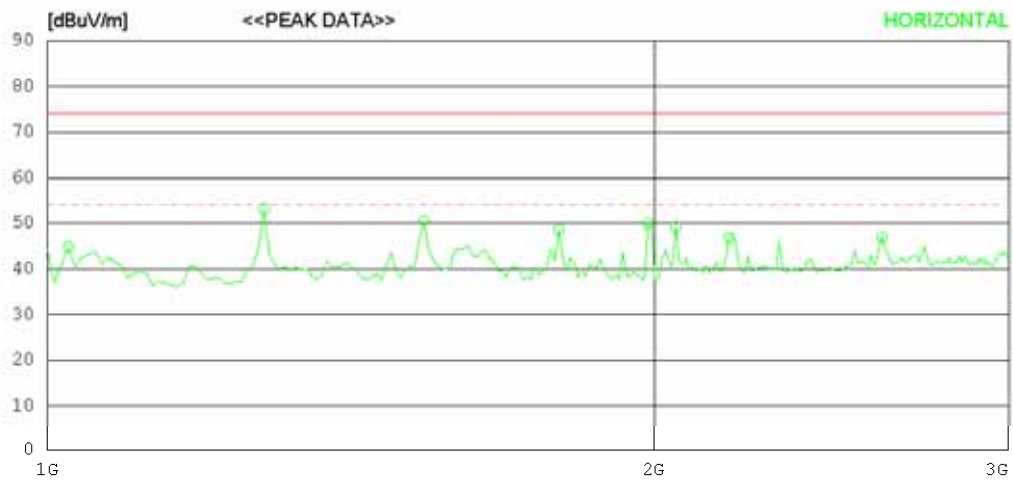
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : HDMI

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	1024.038	58.0	23.7	4.9	41.8	44.8	74.0	29.2	100	181
2	1280.449	65.1	24.5	5.5	41.9	53.2	74.0	20.8	100	358
3	1536.859	61.4	25.1	6.0	41.9	50.6	74.0	23.4	100	183
4	1793.269	58.7	25.2	6.6	42.0	48.5	74.0	25.5	100	358
5	1985.577	59.8	25.2	7.0	42.0	50.0	74.0	24	100	350
6	2049.679	58.6	25.4	7.1	42.0	49.1	74.0	24.9	100	358
7	2177.886	55.6	26.0	7.3	42.0	46.9	74.0	27.1	100	358
8	2594.559	53.6	27.6	7.9	42.1	47.0	74.0	27	100	0
----- Vertical -----										
9	1024.038	60.0	23.7	4.9	41.8	46.8	74.0	27.2	200	186
10	1280.449	64.9	24.5	5.5	41.9	53.0	74.0	21	200	167
11	1536.859	59.0	25.1	6.0	41.9	48.2	74.0	25.8	100	191
12	1793.269	57.1	25.2	6.6	42.0	46.9	74.0	27.1	100	358
13	2049.679	56.0	25.4	7.1	42.0	46.5	74.0	27.5	100	144
14	2185.899	54.0	26.0	7.3	42.0	45.3	74.0	28.7	100	33
15	2306.093	53.0	26.5	7.5	42.0	45.0	74.0	29	100	176

- 1GHz-3GHz\_Average



# RADIATED EMISSION

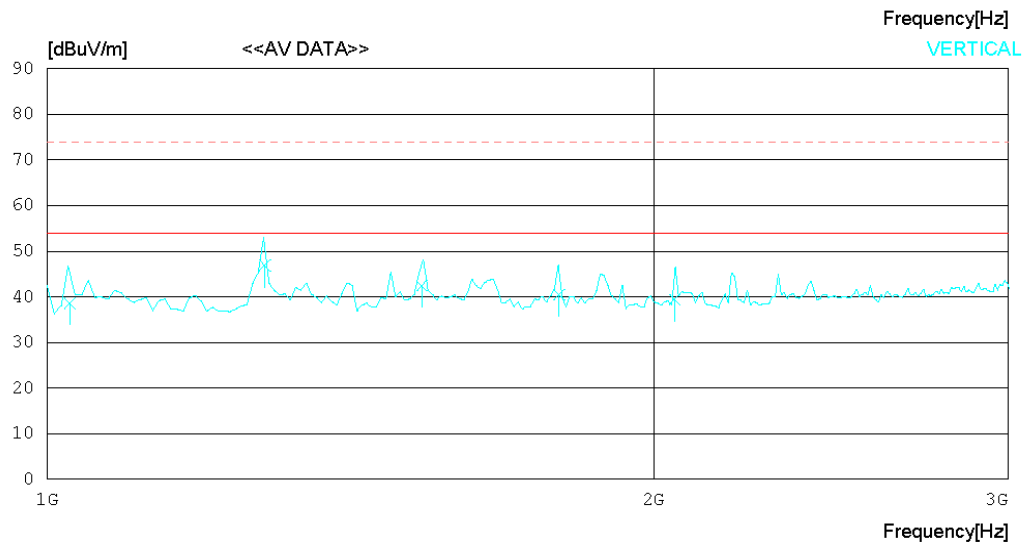
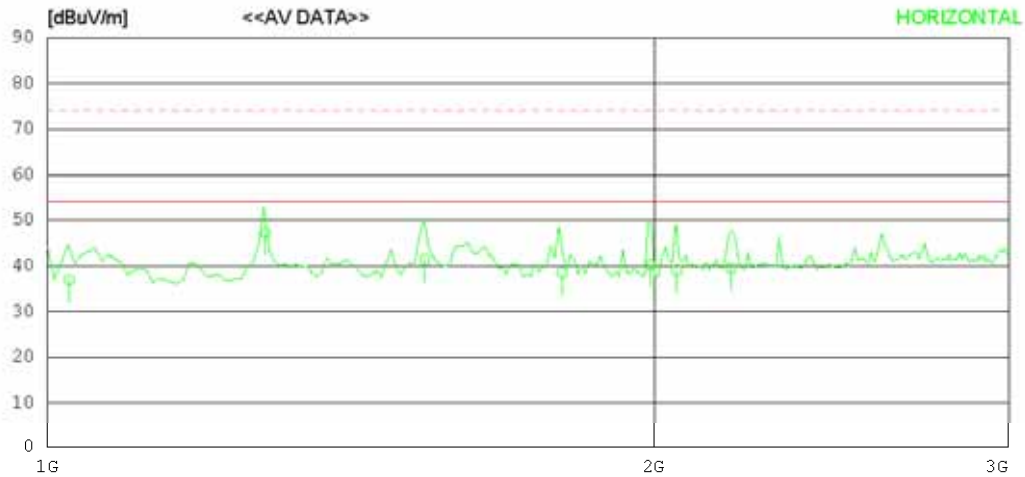
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : HDMI

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	1025.220	50.1	23.7	4.9	41.8	36.9	54.0	17.1	100	181
2	1282.474	59.1	24.5	5.5	41.9	47.2	54.0	6.8	100	358
3	1539.048	52.2	25.1	6.0	41.9	41.4	54.0	12.6	100	183
4	1799.515	48.6	25.2	6.6	42.0	38.4	54.0	15.6	100	358
5	1992.252	50.0	25.2	7.0	42.0	40.2	54.0	13.8	100	350
6	2052.020	48.5	25.4	7.1	42.0	39.0	54.0	15.0	100	358
7	2183.363	48.2	26.0	7.3	42.0	39.5	54.0	14.5	100	358
----- Vertical -----										
8	1026.025	51.8	23.7	4.9	41.8	38.6	54.0	15.4	200	186
9	1282.516	58.8	24.5	5.5	41.9	46.9	54.0	7.1	200	167
10	1534.626	53.3	25.1	6.0	41.9	42.5	54.0	11.5	100	191
11	1794.600	50.7	25.2	6.6	42.0	40.5	54.0	13.5	100	358
12	2048.441	48.9	25.4	7.1	42.0	39.4	54.0	14.6	100	144

- 3GHz-6GHz\_Peak



# RADIATED EMISSION

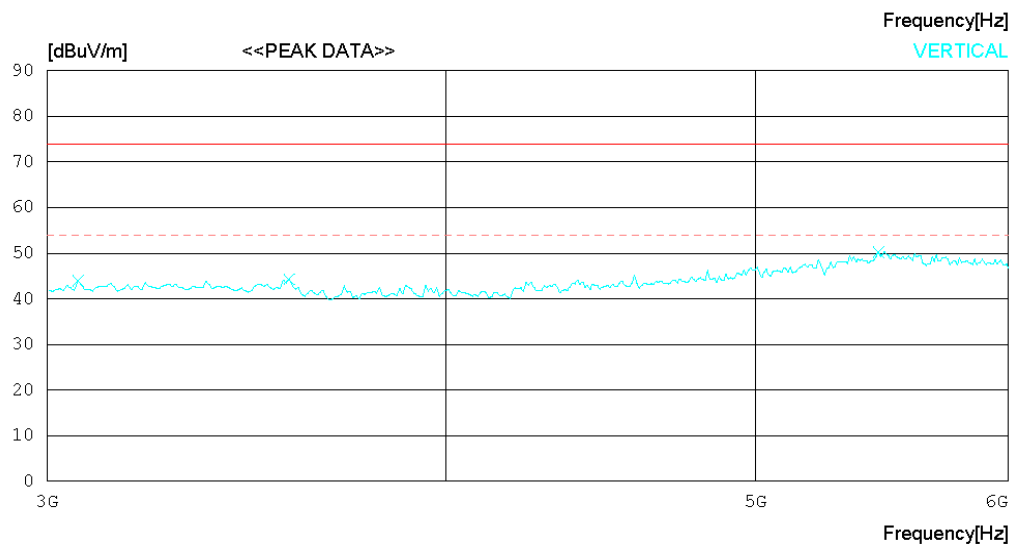
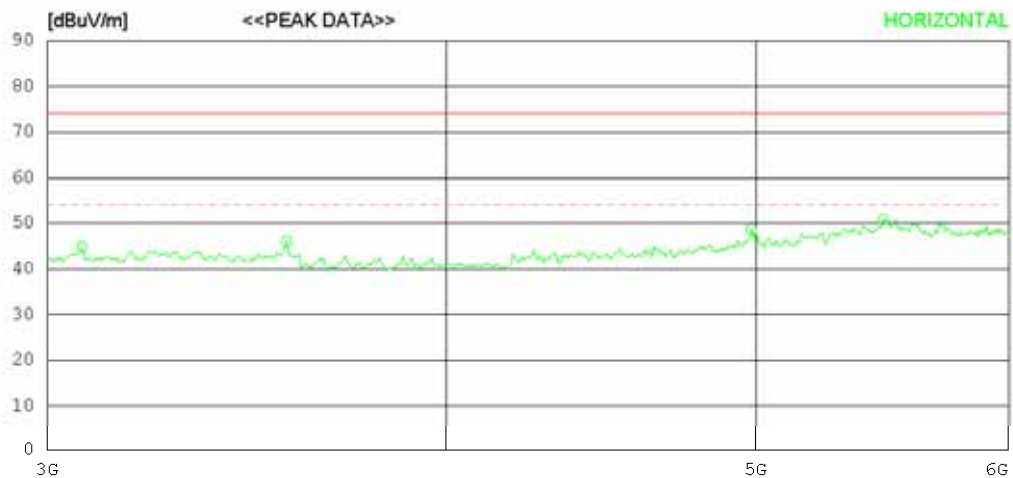
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : HDMI

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name : 37LD660H-UA  
 Model No. :  
 Serial No. :  
 Test Condition : HDMI

Reference No. :  
 Power Supply : 120V 60Hz  
 Temp/Humi : 20 °C 37 % R.H.  
 Operator :

Memo :

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

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	3075.335	49.1	28.9	8.9	42.1	44.8	74.0	29.2	100	358
2	3564.125	49.1	29.3	9.5	41.9	46.0	74.0	28	100	195
3	4982.388	45.8	32.8	11.1	41.1	48.6	74.0	25.4	100	358
4	5479.175	44.5	35.0	11.8	40.4	50.9	74.0	23.1	100	358
----- Vertical -----										
5	3067.323	48.3	28.9	8.9	42.1	44.0	74.0	30	200	359
6	3572.138	47.4	29.3	9.5	41.9	44.3	74.0	29.7	200	359
7	5463.150	44.0	34.9	11.8	40.5	50.2	74.0	23.8	200	1

- 3GHz-6GHz\_Average



# RADIATED EMISSION

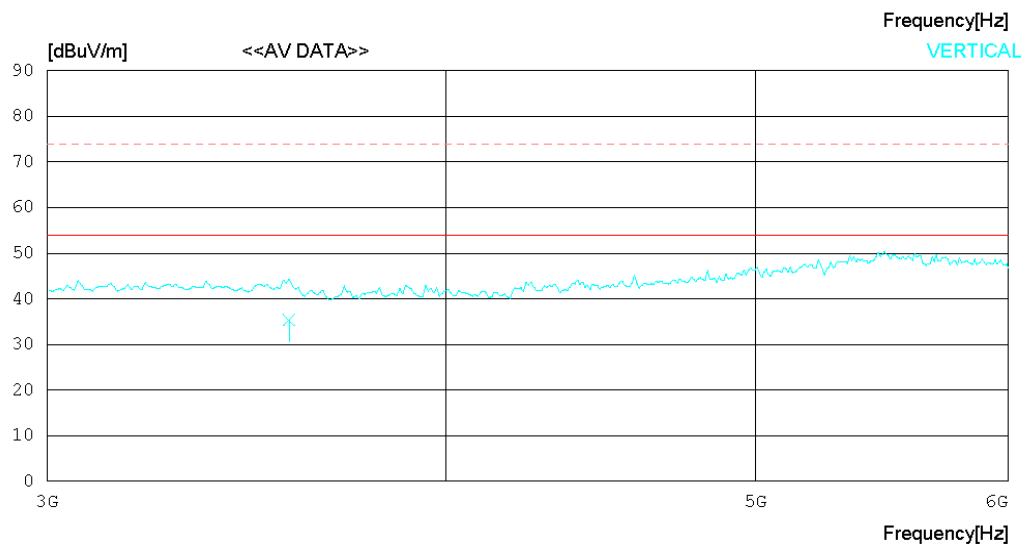
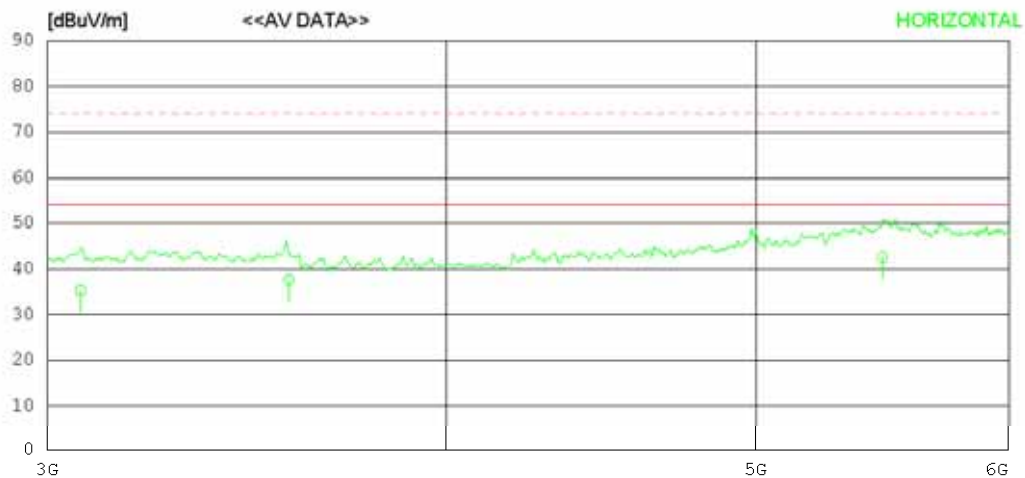
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : HDMI

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	3072.625	39.6	28.9	8.9	42.1	35.3	54.0	18.7	100	358
2	3570.499	40.7	29.3	9.5	41.9	37.6	54.0	16.4	100	195
3	5475.626	36.2	35.0	11.8	40.4	42.6	54.0	11.4	100	358
----- Vertical -----										
4	3571.119	38.5	29.3	9.5	41.9	35.4	54.0	18.6	200	359

## &lt; USB MODE &gt;

- 30MHz-1GHz

RADIATED EMISSION

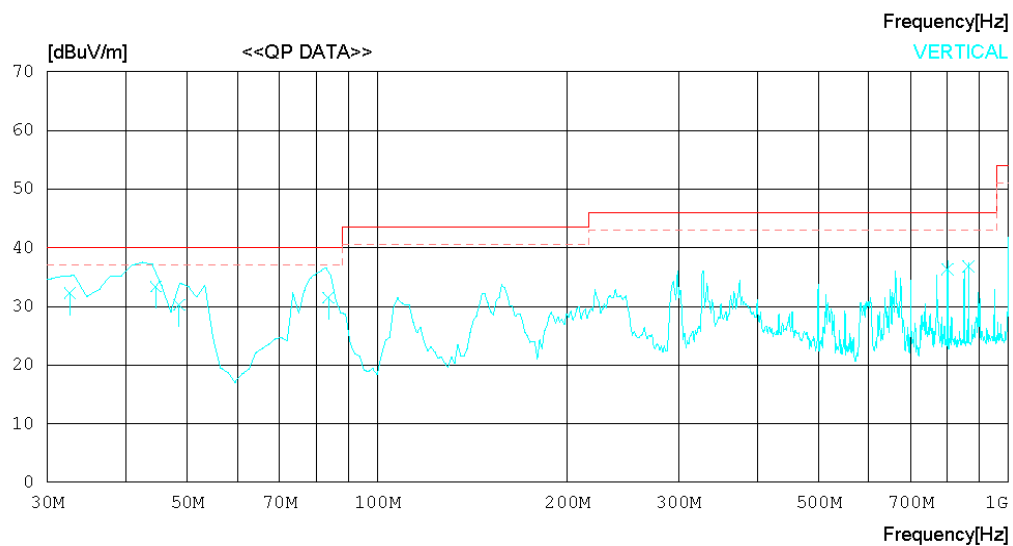
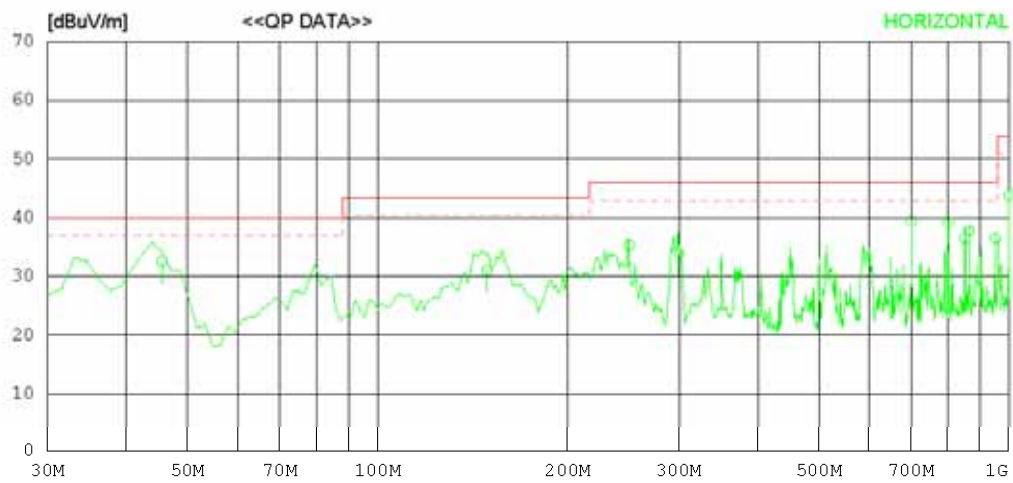
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % R.H.  
Operator :

Memo :

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



**RADIATED EMISSION**

Date : 2011-02-09

Model Name : 37LD660H-UA  
 Model No. :  
 Serial No. :  
 Test Condition : USB

Reference No. :  
 Power Supply : 120V 60Hz  
 Temp/Humi : 20 °C 37 % R.H.  
 Operator :

Memo :

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

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	45.525	40.6	13.7	0.8	22.6	32.5	40.0	7.5	100	176
2	148.955	42.2	10.5	1.4	23.1	31.0	43.5	12.5	200	358
3	250.006	43.9	13.1	1.8	23.5	35.3	46.0	10.7	115	216
4	299.818	42.0	13.8	2.0	23.9	33.9	46.0	12.1	144	188
5	699.983	41.4	18.9	3.2	24.1	39.4	46.0	6.6	114	230
6	799.993	39.4	20.2	3.4	23.7	39.3	46.0	6.7	100	212
7	849.938	35.9	20.6	3.5	23.5	36.5	46.0	9.5	262	113
8	864.151	37.0	20.6	3.5	23.4	37.7	46.0	8.3	100	192
9	950.525	34.8	21.0	3.7	23.0	36.5	46.0	9.5	100	182
10	999.977	41.7	21.2	3.8	22.9	43.8	54.0	10.2	189	145
----- Vertical -----										
11	32.604	37.1	17.1	0.7	22.6	32.3	40.0	7.7	100	319
12	44.567	41.0	14.2	0.8	22.6	33.4	40.0	6.6	100	176
13	48.526	41.2	10.8	0.9	22.6	30.3	40.0	9.7	100	358
14	83.648	45.2	7.8	1.1	22.6	31.5	40.0	8.5	121	358
15	800.445	36.3	20.2	3.4	23.6	36.3	46.0	9.7	141	315
16	863.985	36.1	20.6	3.5	23.4	36.8	46.0	9.2	115	358

- 1GHz-3GHz\_Peak



# RADIATED EMISSION

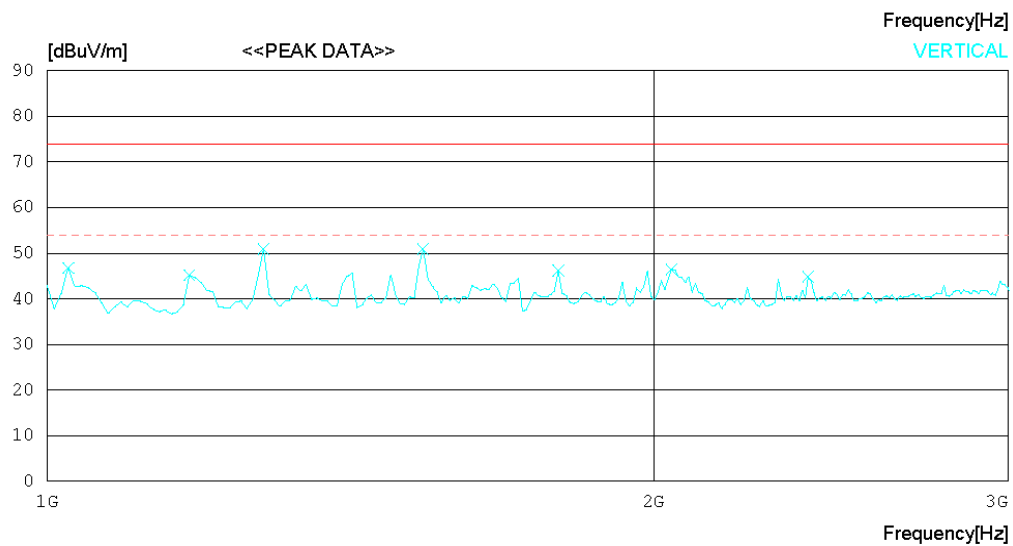
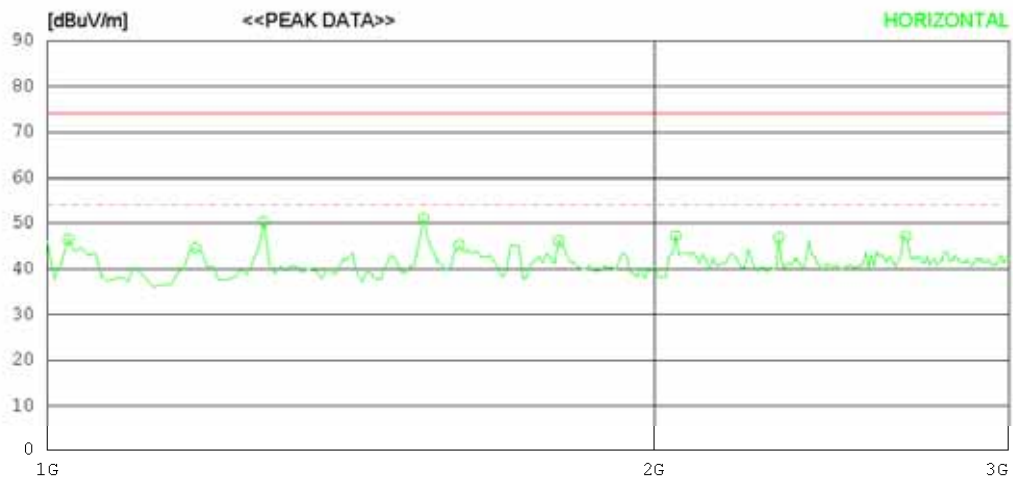
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name : 37LD660H-UA  
 Model No. :  
 Serial No. :  
 Test Condition : USB

Reference No. :  
 Power Supply : 120V 60Hz  
 Temp/Humi : 20 °C 37 % R.H.  
 Operator :

Memo :

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

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	1024.038	59.7	23.7	4.9	41.8	46.5	74.0	27.5	100	183
2	1184.295	57.0	24.2	5.2	41.8	44.6	74.0	29.4	100	358
3	1280.449	62.2	24.5	5.5	41.9	50.3	74.0	23.7	100	177
4	1536.859	61.9	25.1	6.0	41.9	51.1	74.0	22.9	100	177
5	1600.961	55.7	25.2	6.2	41.9	45.2	74.0	28.8	100	233
6	1793.269	56.4	25.2	6.6	42.0	46.2	74.0	27.8	100	225
7	2049.679	56.8	25.4	7.1	42.0	47.3	74.0	26.7	100	185
8	2306.093	54.9	26.5	7.5	42.0	46.9	74.0	27.1	100	358
9	2666.676	53.4	27.8	8.1	42.1	47.2	74.0	26.8	100	358
----- Vertical -----										
10	1024.038	60.0	23.7	4.9	41.8	46.8	74.0	27.2	201	192
11	1176.282	57.6	24.2	5.2	41.8	45.2	74.0	28.8	201	1
12	1280.449	62.9	24.5	5.5	41.9	51.0	74.0	23	201	169
13	1536.859	61.7	25.1	6.0	41.9	50.9	74.0	23.1	100	207
14	1793.269	56.4	25.2	6.6	42.0	46.2	74.0	27.8	100	358
15	2041.666	56.0	25.4	7.1	42.0	46.5	74.0	27.5	201	190
16	2386.223	52.5	26.8	7.6	42.0	44.9	74.0	29.1	201	359

- 1GHz-3GHz\_Average



# RADIATED EMISSION

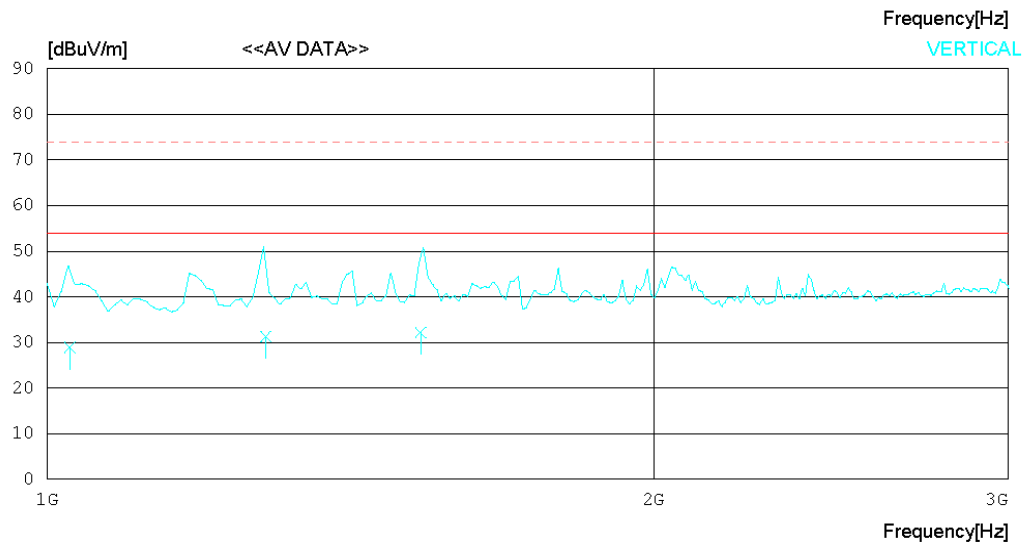
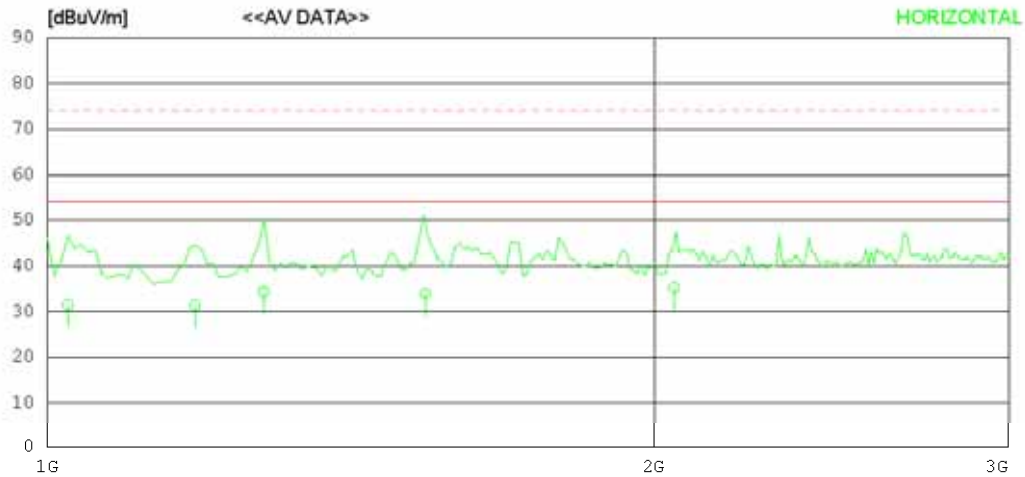
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	1023.645	44.6	23.7	4.9	41.8	31.4	54.0	22.6	100	183
2	1183.955	43.8	24.2	5.2	41.8	31.4	54.0	22.6	100	358
3	1279.825	46.2	24.5	5.5	41.9	34.3	54.0	19.7	100	177
4	1539.622	44.8	25.1	6.0	41.9	34.0	54.0	20.0	100	177
5	2045.829	44.7	25.4	7.1	42.0	35.2	54.0	18.8	100	358
----- Vertical -----										
6	1026.309	42.1	23.7	4.9	41.8	28.9	54.0	25.1	201	192
7	1283.755	43.2	24.5	5.5	41.9	31.3	54.0	22.7	201	169
8	1532.344	43.0	25.1	6.0	41.9	32.2	54.0	21.8	100	207

**- 3GHz-6GHz\_Peak****RADIATED EMISSION**

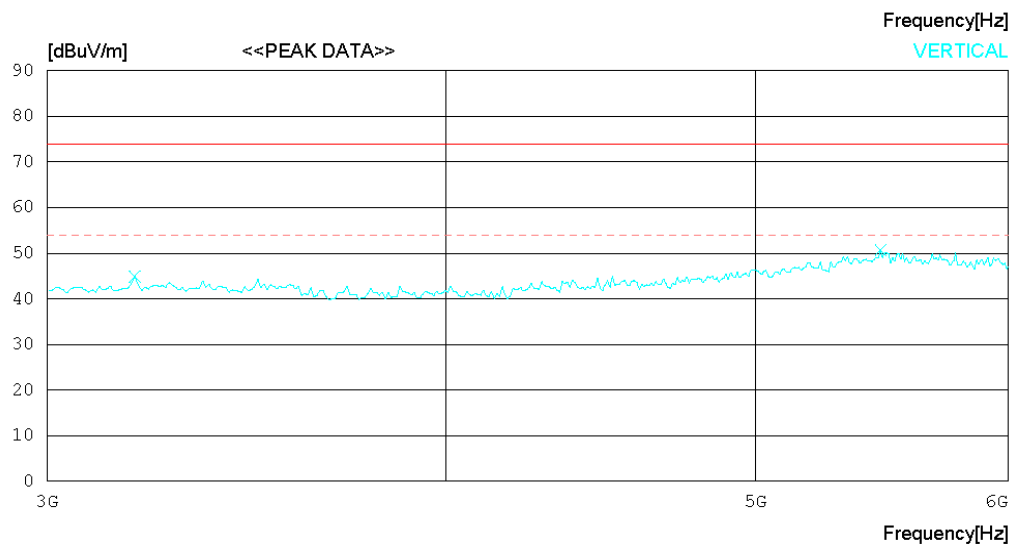
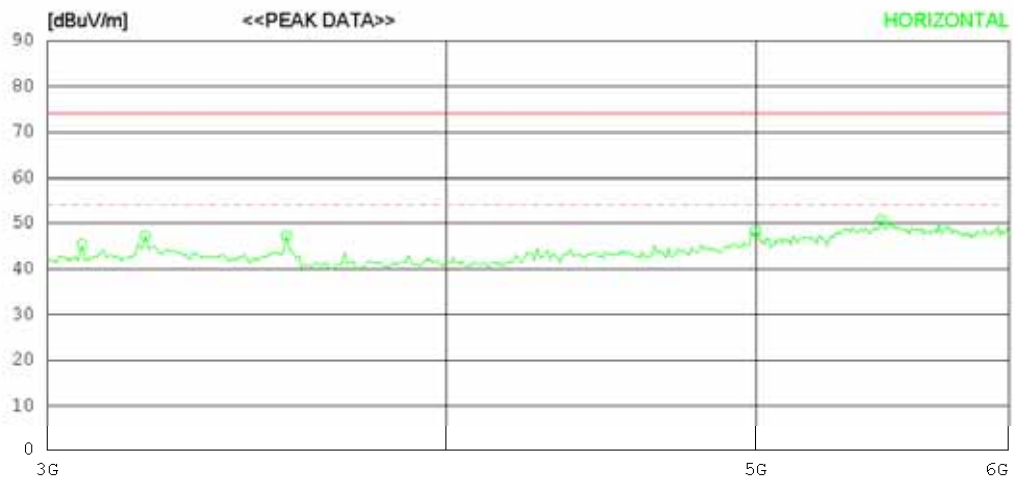
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name	:	37LD660H-UA	Reference No.	:	
Model No.	:		Power Supply	:	120V 60Hz
Serial No.	:		Temp/Humi	:	20 °C 37 % 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	3075.335	49.6	28.9	8.9	42.1	45.3	74.0	28.7	100	179
2	3219.568	51.1	29.0	9.1	42.0	47.2	74.0	26.8	100	358
3	3564.125	50.4	29.3	9.5	41.9	47.3	74.0	26.7	100	197
4	4998.414	45.6	32.8	11.1	41.1	48.4	74.0	25.6	100	358
5	5471.163	44.4	35.0	11.8	40.4	50.8	74.0	23.2	100	270
----- Vertical -----										
6	3195.530	49.0	28.9	9.0	42.0	44.9	74.0	29.1	100	358
7	5471.163	44.3	35.0	11.8	40.4	50.7	74.0	23.3	201	99

- 3GHz-6GHz\_Average



# RADIATED EMISSION

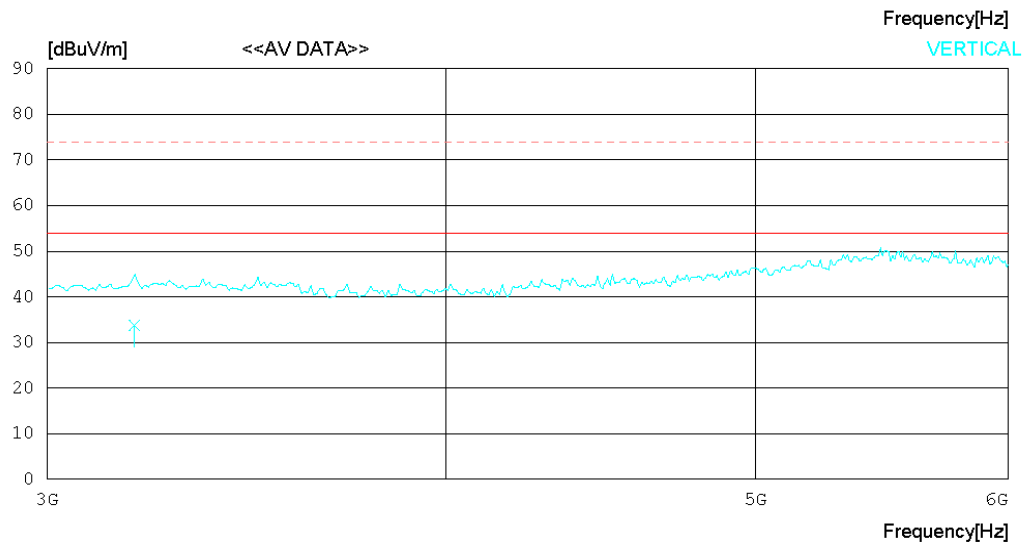
Date : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % 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 : 2011-02-09

Model Name : 37LD660H-UA  
Model No. :  
Serial No. :  
Test Condition : USB

Reference No. :  
Power Supply : 120V 60Hz  
Temp/Humi : 20 °C 37 % R.H.  
Operator :

Memo :

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

No.	FREQ [MHz]	READING AV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	3222.199	40.8	29.0	9.1	42.0	36.9	54.0	17.1	100	358
2	3567.836	41.9	29.3	9.5	41.9	38.8	54.0	15.2	100	197
3	4995.508	38.8	32.8	11.1	41.1	41.6	54.0	12.4	100	358
----- Vertical -----										
4	3194.626	37.9	28.9	9.0	42.0	33.8	54.0	20.2	100	358