

EMC TEST REPORT

Test item : LED LCD TV Monitor
Model No. : 37LT560C-UA
Order No. : 1202-00161
Date of receipt : 2012-02-06
Test duration : 2012-02-08 ~ 2012-02-11
Use of report : FCC CoC Marking
Date of Issue : 2012-02-16

Applicant : LG Electronics Inc.

9-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea

Test laboratory : Digital EMC Co., Ltd.

683-3, Yubang-Dong, Cheoin-Gu, Yongin-Si, Gyeonggi-Do, 449-080, Korea

Test specification : ANSI C 63.4:2003
FCC Part 15 Subpart B
(Type of Device : Class B Personal Computers
and Peripherals (JBP))

Test environment : Temperature : (18 ~ 19) °C,
Humidity : (29 ~ 37) % R.H.

Test result : ☒ Comply ☐ Not Comply

The test results presented in this test report are limited only to the sample supplied by applicant and
the use of this test report is inhibited other than its purpose.

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

Tested by:

Reviewed by:



Assistant Manager
D.H.EUN



General Manager
C.H.LEE

The above test report is the accredited test results by Korea Laboratory Accreditation Scheme,
which signed the ILAC-MRA.

PRESIDENT OF DIGITAL EMC CO., LTD.

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1. General Remarks

This report contains the result of tests performed by:

DIGITAL EMC CO., LTD.

Address : 683-3, Yubang-Dong, Cheoin-Gu, Yongin-Si, Gyeonggi-Do, 449-080, Korea

<http://www.digitalemcc.com>

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

2. Test Laboratory

Digital EMC Co., Ltd. Has been accredited / filed / authorized by the agencies listed in the following table;

Certificate	Nation	Agency	Code	Mark
Accreditation	Korea	KOLAS	393	ISO/IEC 17025
Site Filing	USA	FCC	101842 678747	Test Facility list & NSA Data
	Canada	IC	5740A-1 5740A-2	Test Facility list & NSA Data
	Japan	VCCI	C-1427 R-1364, R-3385 T-1442, G-338	Test Facility list & NSA Data
Certification	Korea	KC	KR0034	Test Facility list & NSA Data
	Germany	TUV	ROK1124C	ISO/IEC 17025

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

3. General Information of EUT

Model No.	37LT560C-UA
EUT Type	LED LCD TV Monitor
Serial No	NONE
FCC ID	BEJ37LT560CUA
Type of Sample Tested	Pre-Production
High Frequency	667 MHz
Rating	AC100-240 V~, 50/60 Hz, 0.9 A
Supplied Power for Test	AC120 V, 60 Hz
Applicant	LG Electronics Inc. 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea
Manufacturer	LG Electronics Inc. 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
720x400	31.469	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1360x768	47.712	60.015
1280x1024	63.981	60.020
1920x1080	67.5	60.00

4. Test Summary

4.1 Applied standards and test results

Test Items	Applied Standards	Results
Conducted Disturbance	ANSI C63.4:2003	C
Radiated Disturbance	ANSI C63.4:2003	C
C=Comply N/C=Not Comply N/T=Not Tested N/A=Not Applicable		

The data in this test report are traceable to the national or international standards.

4.2 Test environment and conditions

Test Items	Test date (MM-DD)	Temp (°C)	Humidity (% R.H.)	Pressure (hPa)
Conducted Disturbance	02-08	19	37	-
Radiated Disturbance	02-11	18	29	

4.3 Test result Summary

(1) Conducted Emission(HDMI MODE)

Frequency [MHz]	Phase	Result [dB μ V]	Detector	Limit [dB μ V]	Margin [dB]
0.15061	L1	57.9	Quasi-Peak	66.0	8.1

(2) Radiated Emission(USB MODE)

Frequency [MHz]	Pol.	Result [dB(μ V/m)]	Detector	Limit [dB(μ V/m)]	Margin [dB]
960.000	H	41.8	Quasi-Peak	46.0	4.2

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 x 1080 Resolution (Worst Case)
- HDMI MODE – Resolution : 1920 x 1080 Resolution (Worst Case)
- USB MODE

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)	ferrite core	shield		
PC	VOSTRO 430	9K77SBX	DELL	POWER	1.8	Not use	Non-shield	Plastic	DOC
				HDMI	1.8	Not use	Shield		
				DSUB	1.6	Use	Shield		
				STEREO	1.8	Not use	Non-shield		
				PS/2	1.6	Not use	Non-shield		
				PS/2	1.8	Not use	Non-shield		
KEYBOARD	SKG-210PB	TAKSB24503Y	MONITEREY INTERNATIONAL CORP	PS/2	1.6	Not use	Non-shield	Plastic	DOC
MOUSE	SML-510PB	TAKS903519Z	MONITEREY INTERNATIONAL CORP	PS/2	1.8	Not use	Non-shield	Plastic	DOC
CD/DVD PLAYER	DVP-NS92V	2000407	SONY EMCS	POWER AV	1.8 1.6	Not use	Non-shield	Plastic	DOC
USB MEMORY	JEWELRY	N/A	AXXEN	USB	-	-	-	-	DOC

6. Test Results : Emission

6.1 Conducted Disturbance

6.1.1 Measurement Procedure

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

If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8m 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 conducted emission test software, the emissions were scanned with peak detector mode.

After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has Quasi-Peak detector and Average detector.

By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.

For further description of the configuration refer to the picture of the test set-up.

6.1.2 Limit for Conducted Disturbance

(1) Conducted disturbance at mains ports.

Frequency range (MHz)	Limits dB(μV)			
	Quasi-peak		Average	
	Class A	Class B	Class A	Class B
0.15 to 0.50	79	66 to 56	66	56 to 46
0.50 to 5	73	56	60	46
5 to 30		60		50
Note 1 The lower limit shall apply at the transition frequencies.				
Note 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.				

Test Result

< DSUB MODE >



Results of Conducted Emission

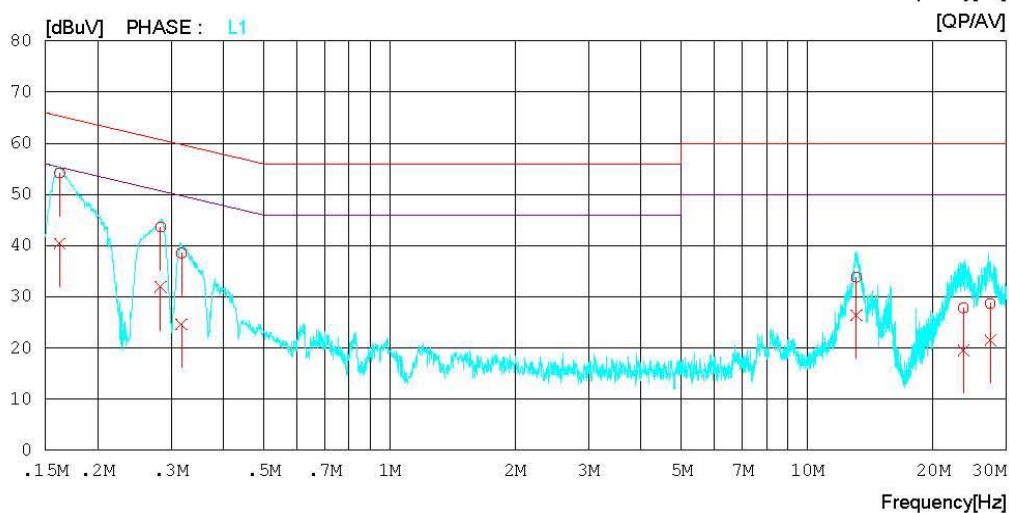
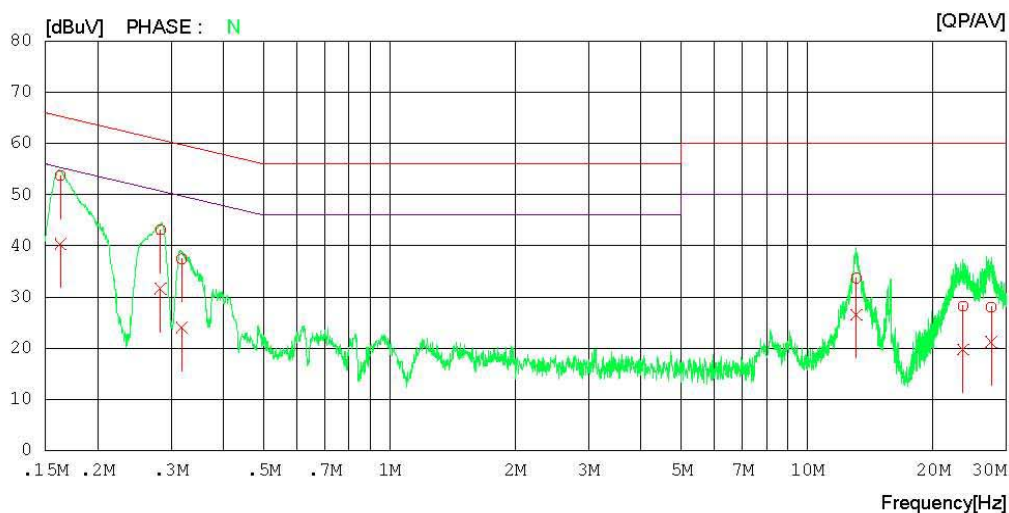
Digital EMC
 Date : 2012-02-08

Model No. : 37LT560C-UA
 Type :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 19°C 37 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B QP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
 Date : 2012-02-08

Model No. : 37LT560C-UA
 Type :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 19°C 37 % 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	0.16305	53.4	40.0	0.3	53.7	40.3	65.3	55.3	11.6	15.0	N
2	0.28296	42.9	31.4	0.2	43.1	31.6	60.7	50.7	17.6	19.1	N
3	0.31821	37.2	23.8	0.2	37.4	24.0	59.8	49.8	22.4	25.8	N
4	13.12200	32.8	25.6	0.9	33.7	26.5	60.0	50.0	26.3	23.5	N
5	23.61350	27.0	18.6	1.2	28.2	19.8	60.0	50.0	31.8	30.2	N
6	27.57750	26.7	19.9	1.3	28.0	21.2	60.0	50.0	32.0	28.8	N
7	0.16240	53.9	40.1	0.3	54.2	40.4	65.3	55.3	11.1	14.9	L1
8	0.28314	43.4	31.7	0.2	43.6	31.9	60.7	50.7	17.1	18.8	L1
9	0.31775	38.4	24.5	0.2	38.6	24.7	59.8	49.8	21.2	25.1	L1
10	13.11000	32.9	25.5	0.9	33.8	26.4	60.0	50.0	26.2	23.6	L1
11	23.67400	26.6	18.4	1.2	27.8	19.6	60.0	50.0	32.2	30.4	L1
12	27.46200	27.4	20.3	1.3	28.7	21.6	60.0	50.0	31.3	28.4	L1

< HDMI MODE >



Results of Conducted Emission

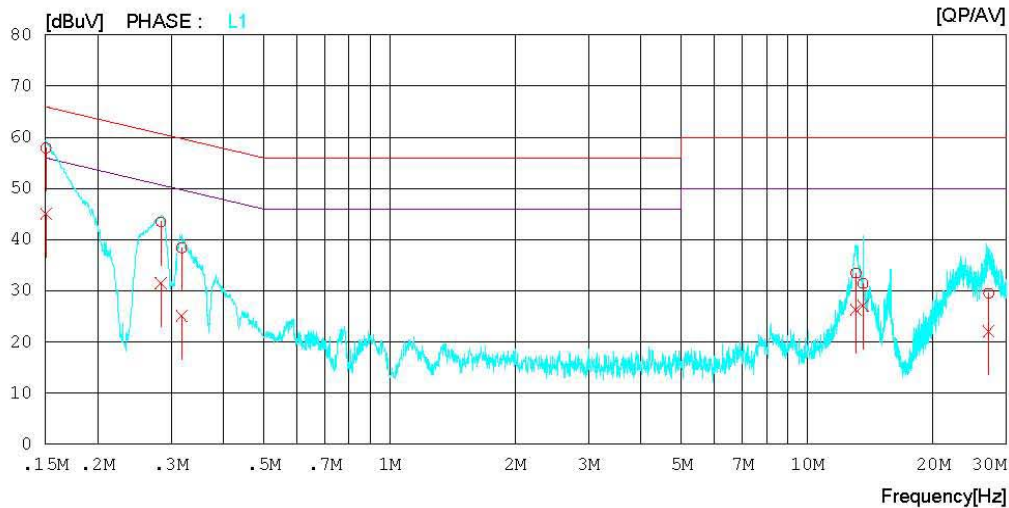
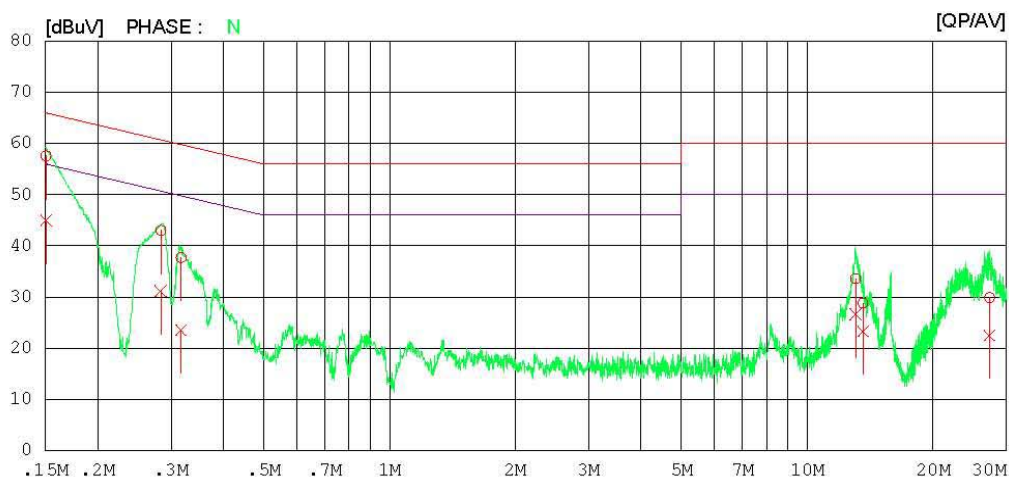
Digital EMC
 Date : 2012-02-08

Model No. : 37LT560C-UA
 Type :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 19°C 37 % R.H.
 Operator :

Memo :

LIMIT : CISPR22_B QP
 CISPR22_B AV



Results of Conducted Emission

Digital EMC
 Date : 2012-02-08

Model No. : 37LT560C-UA
 Type :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 19°C 37 % 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	0.15061	57.3	44.6	0.3	57.6	44.9	66.0	56.0	8.4	11.1	N
2	0.28361	42.8	31.0	0.2	43.0	31.2	60.7	50.7	17.7	19.5	N
3	0.31694	37.5	23.3	0.2	37.7	23.5	59.8	49.8	22.1	26.3	N
4	13.06550	32.6	25.8	0.9	33.5	26.7	60.0	50.0	26.5	23.3	N
5	13.60900	27.9	22.4	0.9	28.8	23.3	60.0	50.0	31.2	26.7	N
6	27.33650	28.6	21.2	1.3	29.9	22.5	60.0	50.0	30.1	27.5	N
7	0.15061	57.6	44.8	0.3	57.9	45.1	66.0	56.0	8.1	10.9	L1
8	0.28361	43.3	31.3	0.2	43.5	31.5	60.7	50.7	17.2	19.2	L1
9	0.31798	38.2	24.9	0.2	38.4	25.1	59.8	49.8	21.4	24.7	L1
10	13.09850	32.6	25.4	0.9	33.5	26.3	60.0	50.0	26.5	23.7	L1
11	13.60650	30.5	26.2	0.9	31.4	27.1	60.0	50.0	28.6	22.9	L1
12	27.20600	28.2	20.8	1.3	29.5	22.1	60.0	50.0	30.5	27.9	L1

< USB MODE >



Results of Conducted Emission

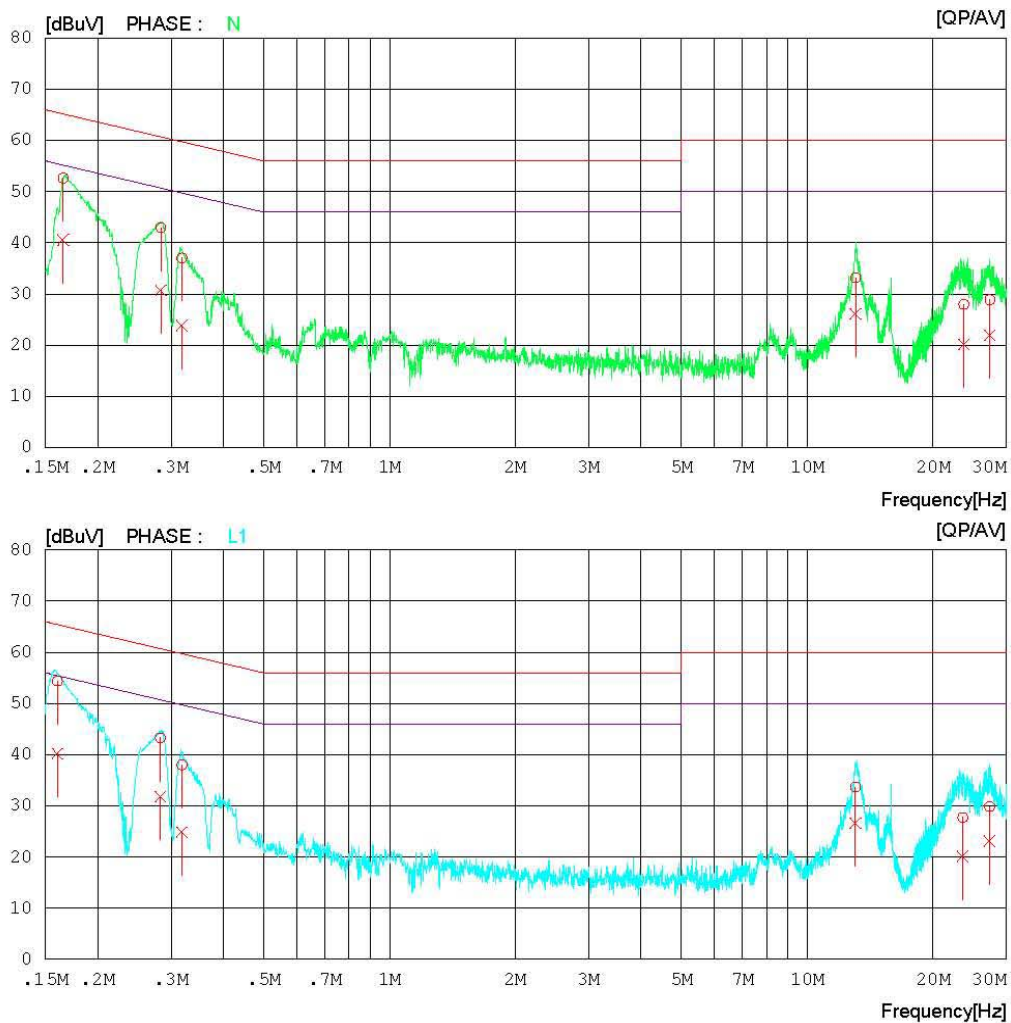
Digital EMC
Date : 2012-02-08

Model No. : 37LT560C-UA
Type :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi. : 19°C 37 % R.H.
Operator :

Memo :

LIMIT : CISPR22_B QP
CISPR22_B AV



Results of Conducted Emission

Digital EMC
 Date : 2012-02-08

Model No. : 37LT560C-UA
 Type :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi. : 19°C 37 % 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	0.16550	52.3	40.2	0.3	52.6	40.5	65.2	55.2	12.6	14.7	N
2	0.28368	42.8	30.5	0.2	43.0	30.7	60.7	50.7	17.7	20.0	N
3	0.31850	36.8	23.6	0.2	37.0	23.8	59.7	49.7	22.7	25.9	N
4	13.06400	32.2	25.2	0.9	33.1	26.1	60.0	50.0	26.9	23.9	N
5	23.71550	26.8	18.9	1.2	28.0	20.1	60.0	50.0	32.0	29.9	N
6	27.36550	27.6	20.6	1.3	28.9	21.9	60.0	50.0	31.1	28.1	N
7	0.16044	54.1	39.9	0.3	54.4	40.2	65.4	55.4	11.0	15.2	L1
8	0.28285	43.1	31.7	0.2	43.3	31.9	60.7	50.7	17.4	18.8	L1
9	0.31856	37.8	24.7	0.2	38.0	24.9	59.7	49.7	21.7	24.8	L1
10	13.04900	32.8	25.7	0.9	33.7	26.6	60.0	50.0	26.3	23.4	L1
11	23.57850	26.5	18.9	1.2	27.7	20.1	60.0	50.0	32.3	29.9	L1
12	27.33500	28.5	21.8	1.3	29.8	23.1	60.0	50.0	30.2	26.9	L1

6.2 Radiated Disturbance

6.2.1 Measurement Procedure

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

If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8m above the reference ground plane and 3m away from the interference receiving antenna in the **10m semi-anechoic chamber**.

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15m 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 Limit for Radiated Disturbance

- The test frequency range of Radiated Disturbance measurements are listed below.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	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 (dB μ V/m)	Quasi-peak (dB μ V/m)
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 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.

Frequency range (MHz)	Class A Equipment (10m distance)	Class B Equipment (10m distance)
	Quasi-peak (dB μ V/m)	Quasi-peak (dB μ V/m)
30 to 230	40	30
230 to 1000	47	37

(2) 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)	Average (dB μ V/m)	Peak (dB μ V/m)	Average (dB μ V/m)
1 to 40	80	60	74	54

Test Result

< DSUB MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

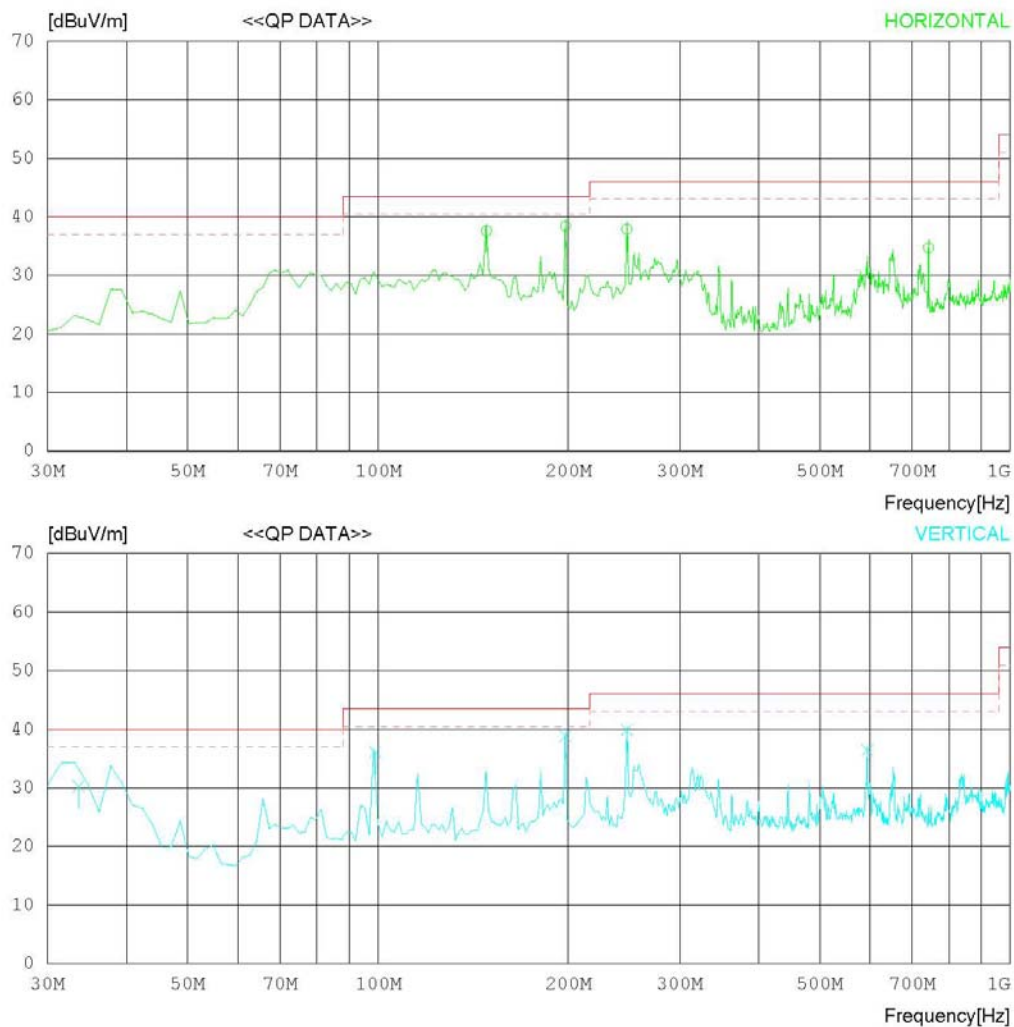
Date : 2012-02-11

Model Name : 37LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 18 'C 29 % R.H.
 Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-02-11

Model Name : 37LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18 °C 29 % 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	148.508	48.5	10.5	1.7	23.1	37.6	43.5	5.9	196	1
2	198.000	50.0	9.7	2.0	23.3	38.4	43.5	5.1	100	96
3	247.511	46.3	12.9	2.3	23.6	37.9	46.0	8.1	100	358
4	742.500	34.8	19.5	4.4	24.0	34.7	46.0	11.3	100	177
----- Vertical -----										
5	33.600	35.6	16.9	0.9	23.1	30.3	40.0	9.7	100	148
6	99.016	46.8	10.6	1.5	22.8	36.1	43.5	7.4	100	341
7	198.000	50.4	9.7	2.0	23.3	38.8	43.5	4.7	100	1
8	247.504	48.3	12.9	2.3	23.6	39.9	46.0	6.1	100	355
9	594.278	38.6	18.7	3.9	24.7	36.5	46.0	9.5	100	150

< DSUB MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

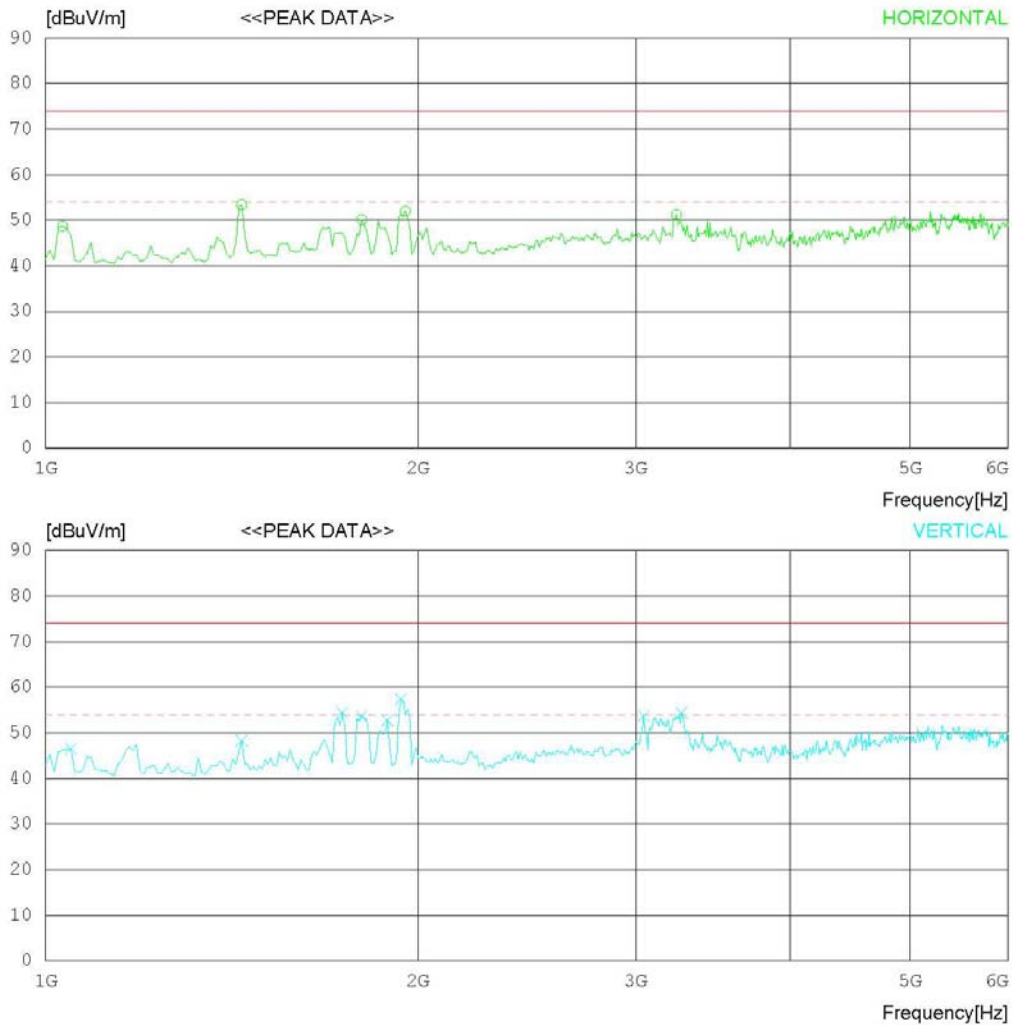
Date : 2012-02-11

Model Name : 37LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : DSUB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 18 'C 29 % 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 : 2012-02-11

Model Name	: 37LT560C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 18 °C 29 % 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	1032.051	61.9	23.7	4.9	41.8	48.7	74.0	25.3	100	1
2	1440.705	64.2	25.0	5.8	41.6	53.4	74.0	20.6	100	1
3	1801.282	60.1	25.2	6.6	41.8	50.1	74.0	23.9	100	148
4	1953.525	61.6	25.2	6.9	41.7	52.0	74.0	22	100	1
5	3235.594	54.9	29.0	9.1	41.8	51.2	74.0	22.8	100	1
----- Vertical -----										
6	1048.077	59.6	23.8	4.9	41.8	46.5	74.0	27.5	100	358
7	1440.705	59.1	25.0	5.8	41.6	48.3	74.0	25.7	100	358
8	1737.179	64.4	25.2	6.5	41.7	54.4	74.0	19.6	100	358
9	1801.282	63.6	25.2	6.6	41.8	53.6	74.0	20.4	100	203
10	1889.423	62.4	25.2	6.8	41.7	52.7	74.0	21.3	100	210
11	1937.500	67.0	25.2	6.9	41.7	57.4	74.0	16.6	100	210
12	3043.284	58.0	28.8	8.8	41.9	53.7	74.0	20.3	100	197
13	3267.646	58.1	29.0	9.1	41.8	54.4	74.0	19.6	100	358

< DSUB MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

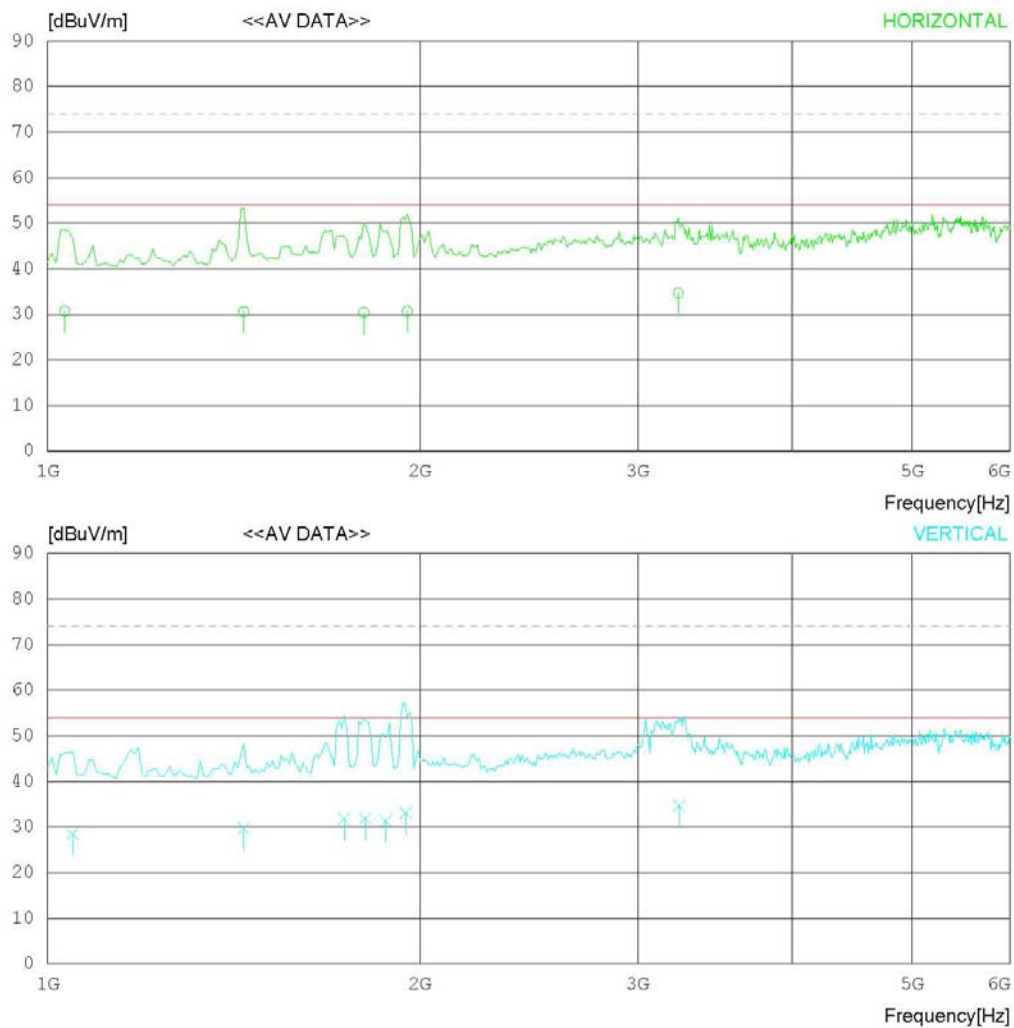
Date : 2012-02-11

Model Name : 37LT560C-UA
Model No. :
Serial No. :
Test Condition : DSUB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 18 'C 29 % 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 : 2012-02-11

Model Name : 37LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18 °C 29 % 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	1032.051	43.9	23.7	4.9	41.8	30.7	54.0	23.3	100	1
2	1440.705	41.4	25.0	5.8	41.6	30.6	54.0	23.4	100	1
3	1801.282	40.4	25.2	6.6	41.8	30.4	54.0	23.6	100	204
4	1953.525	40.3	25.2	6.9	41.7	30.7	54.0	23.3	100	209
5	3235.594	38.4	29.0	9.1	41.8	34.7	54.0	19.3	100	1
----- Vertical -----										
6	1048.077	41.6	23.8	4.9	41.8	28.5	54.0	25.5	100	358
7	1440.705	40.5	25.0	5.8	41.6	29.7	54.0	24.3	100	358
8	1737.179	41.8	25.2	6.5	41.7	31.8	54.0	22.2	100	207
9	1807.198	41.9	25.2	6.6	41.8	31.9	54.0	22.1	100	203
10	1877.000	41.2	25.2	6.7	41.7	31.4	54.0	22.6	100	210
11	1949.038	42.7	25.2	6.9	41.7	33.1	54.0	20.9	100	210
12	3241.634	38.4	29.0	9.1	41.8	34.7	54.0	19.3	100	358

< HDMI MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

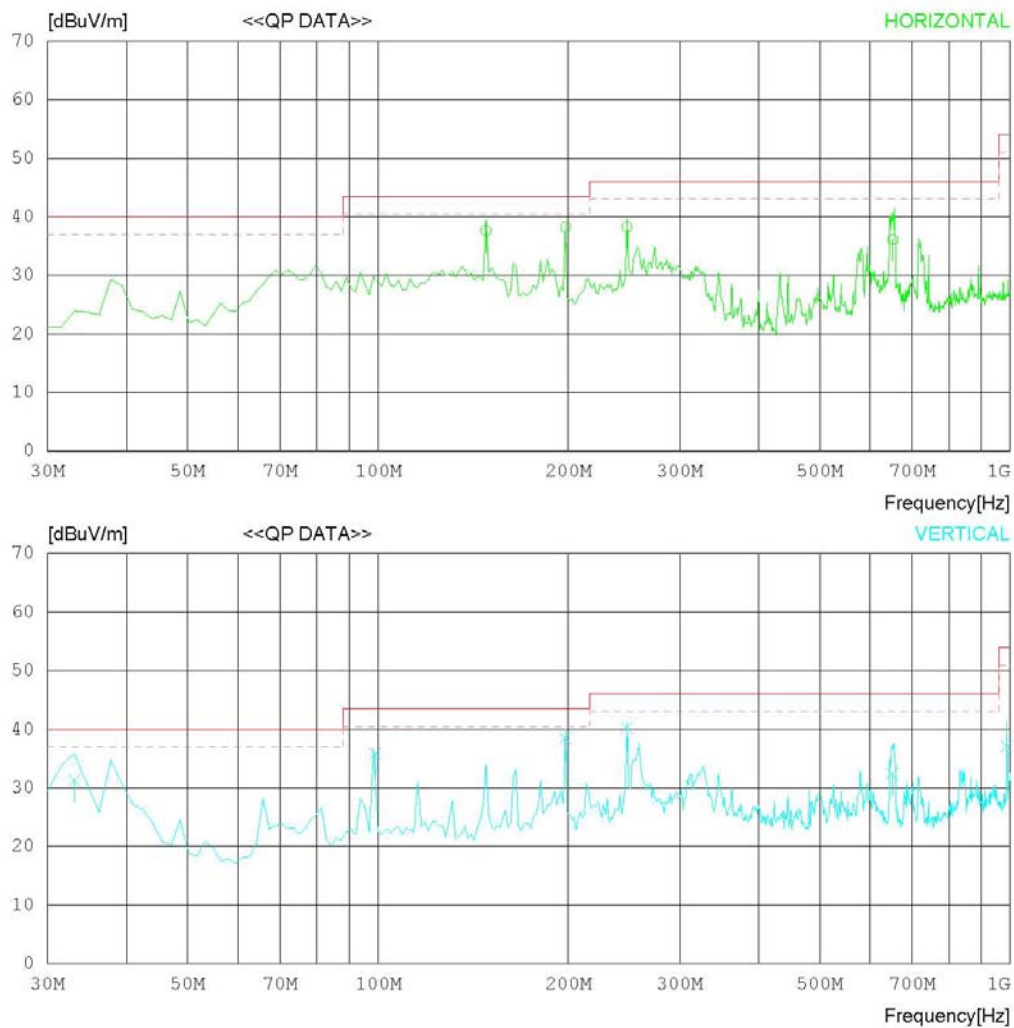
Date : 2012-02-11

Model Name : 37LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 18 °C 29 % R.H.
 Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-02-11

Model Name : 37LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18 °C 29 % 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	148.141	48.5	10.5	1.7	23.1	37.6	43.5	5.9	100	104
2	198.009	49.8	9.7	2.0	23.3	38.2	43.5	5.3	201	161
3	247.528	46.6	12.9	2.3	23.6	38.2	46.0	7.8	100	358
4	652.000	37.8	18.8	4.0	24.5	36.1	46.0	9.9	100	113
----- Vertical -----										
5	33.109	36.5	17.0	0.9	23.1	31.3	40.0	8.7	100	157
6	99.009	46.5	10.6	1.5	22.8	35.8	43.5	7.7	100	0
7	197.885	50.1	9.7	2.0	23.3	38.5	43.5	5.0	100	358
8	247.513	48.6	12.9	2.3	23.6	40.2	46.0	5.8	100	353
9	987.179	34.0	21.2	4.9	23.0	37.1	54.0	16.9	100	358
10	650.846	34.1	18.8	4.0	24.5	32.4	46.0	13.6	100	195

< HDMI MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

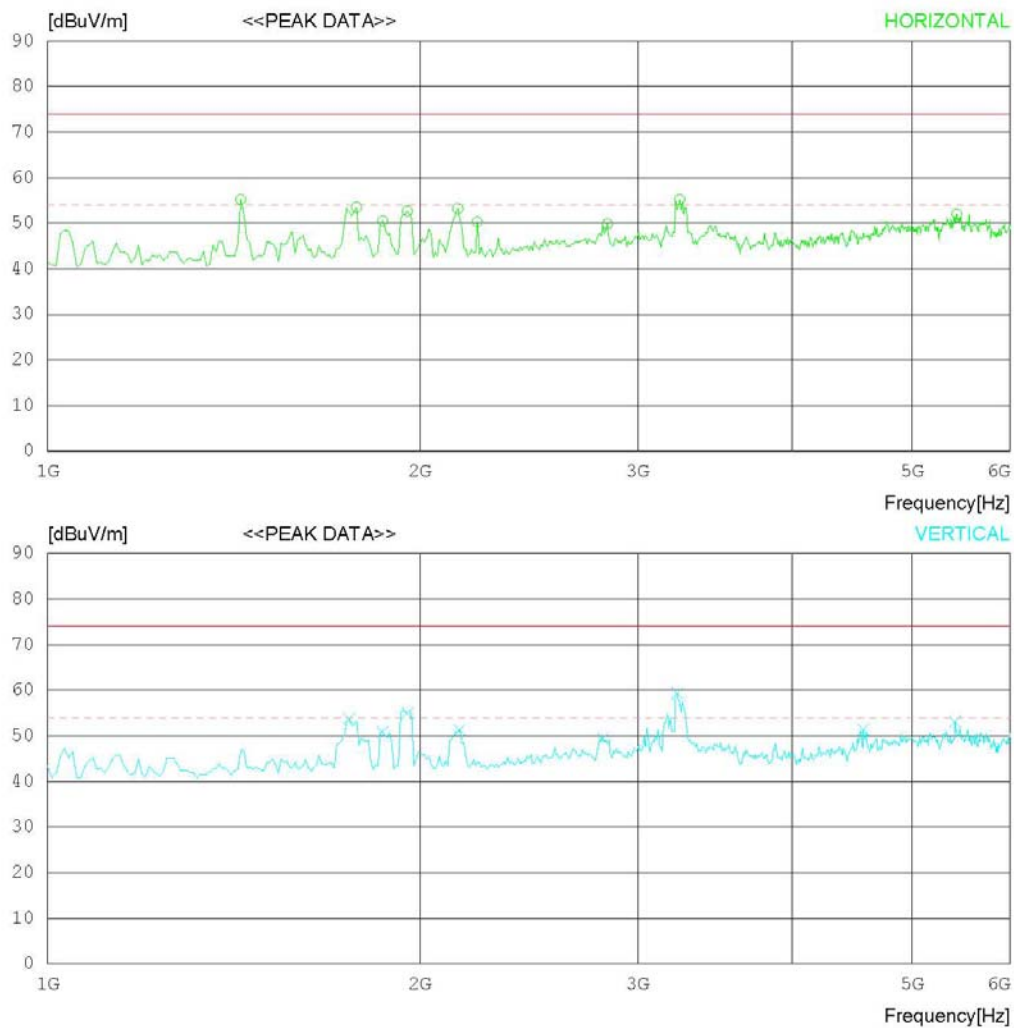
Date : 2012-02-11

Model Name : 37LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : HDMI

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 18 'C 29 % 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 : 2012-02-11

Model Name : 37LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18 °C 29 % 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	1432.692	66.1	24.9	5.8	41.6	55.2	74.0	18.8	100	198
2	1777.243	63.6	25.2	6.5	41.8	53.5	74.0	20.5	100	238
3	1865.384	60.3	25.2	6.7	41.7	50.5	74.0	23.5	100	1
4	1953.525	62.3	25.2	6.9	41.7	52.7	74.0	21.3	100	189
5	2145.834	61.9	25.8	7.2	41.7	53.2	74.0	20.8	100	156
6	2225.964	58.5	26.2	7.3	41.7	50.3	74.0	23.7	100	1
7	2834.947	54.9	28.3	8.4	41.8	49.8	74.0	24.2	100	1
8	3243.607	58.9	29.0	9.1	41.8	55.2	74.0	18.8	100	185
9	5431.099	48.0	34.8	11.8	42.6	52.0	74.0	22	100	1
----- Vertical -----										
10	1753.205	63.7	25.2	6.5	41.7	53.7	74.0	20.3	100	213
11	1865.384	60.7	25.2	6.7	41.7	50.9	74.0	23.1	100	204
12	1953.525	64.6	25.2	6.9	41.7	55.0	74.0	19	100	358
13	2153.847	59.9	25.9	7.2	41.7	51.3	74.0	22.7	100	206
14	2810.908	54.4	28.3	8.4	41.7	49.4	74.0	24.6	100	182
15	3227.581	63.1	29.0	9.1	41.8	59.4	74.0	14.6	100	199
16	4565.728	51.7	31.0	10.7	42.0	51.4	74.0	22.6	100	358
17	5415.074	49.1	34.7	11.7	42.5	53.0	74.0	21	100	145

< HDMI MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

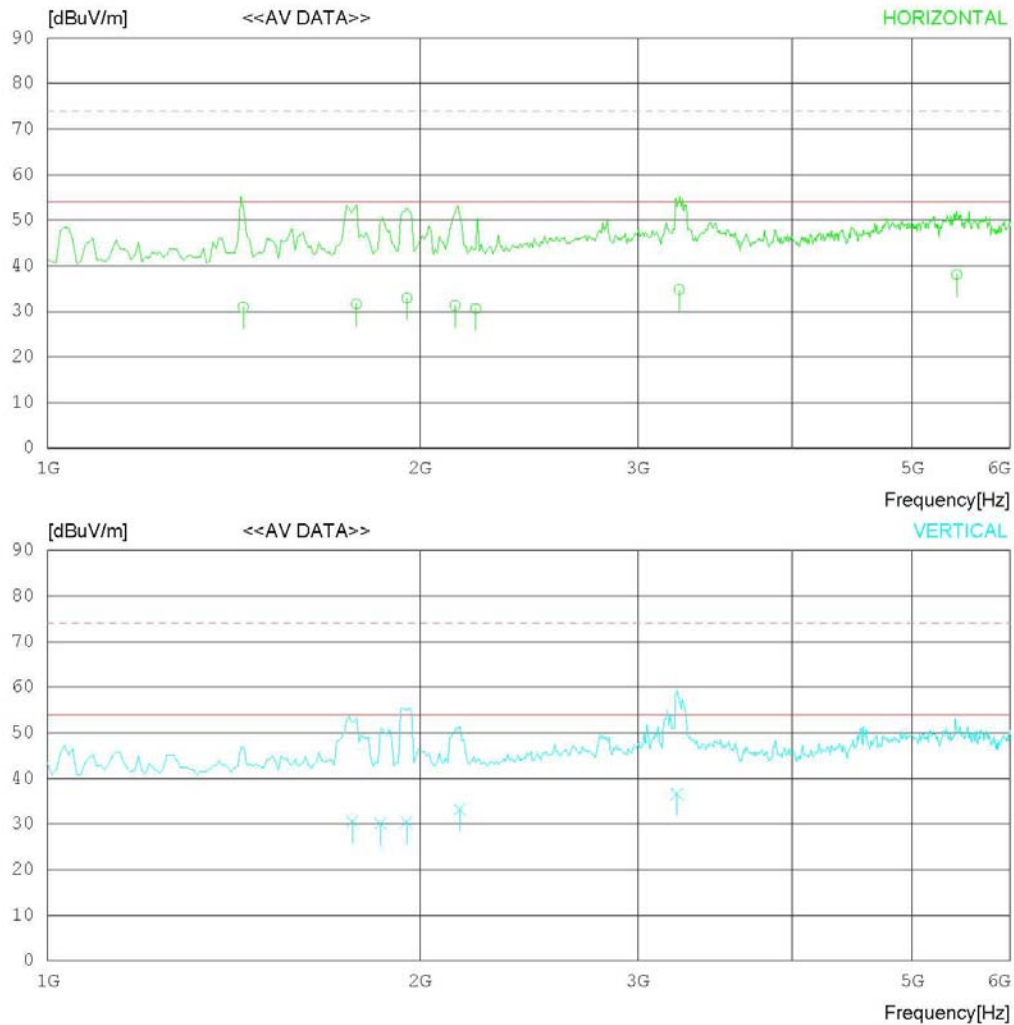
Date : 2012-02-11

Model Name : 37LT560C-UA
Model No. :
Serial No. :
Test Condition : HDMI

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 18 'C 29 % 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 : 2012-02-11

Model Name	: 37LT560C-UA	Reference No.	:
Model No.	:	Power Supply	: 120V 60Hz
Serial No.	:	Temp/Humi	: 18 °C 29 % 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	1439.532	41.7	25.0	5.8	41.6	30.9	54.0	23.1	100	198
2	1776.474	41.7	25.2	6.5	41.8	31.6	54.0	22.4	100	238
3	1952.000	42.5	25.2	6.9	41.7	32.9	54.0	21.1	100	189
4	2135.019	40.0	25.8	7.2	41.7	31.3	54.0	22.7	100	156
5	2218.429	38.9	26.1	7.3	41.7	30.6	54.0	23.4	100	174
6	3240.070	38.5	29.0	9.1	41.8	34.8	54.0	19.2	100	185
7	5431.099	34.1	34.8	11.8	42.6	38.1	54.0	15.9	100	181
----- Vertical -----										
8	1763.000	40.5	25.2	6.5	41.7	30.5	54.0	23.5	100	213
9	1858.314	40.0	25.2	6.7	41.7	30.2	54.0	23.8	100	204
10	1950.307	40.0	25.2	6.9	41.7	30.4	54.0	23.6	100	358
11	2153.847	41.8	25.9	7.2	41.7	33.2	54.0	20.8	100	206
12	3227.581	40.3	29.0	9.1	41.8	36.6	54.0	17.4	100	199

< USB MODE_30 MHz ~ 1 GHz >

RADIATED EMISSION

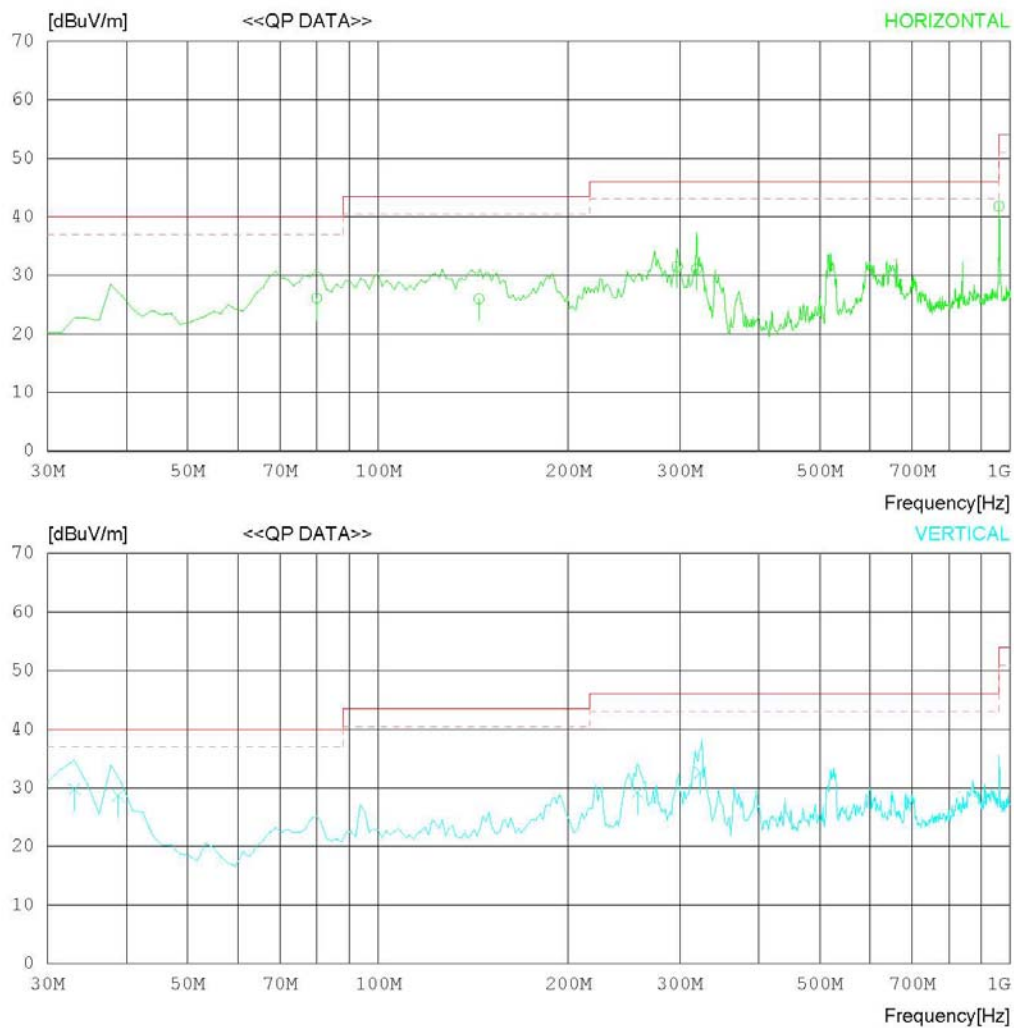
Date : 2012-02-11

Model Name : 37LT560C-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 18 'C 29 % R.H.
Operator :

Memo :

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



RADIATED EMISSION

Date : 2012-02-11

Model Name : 37LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18 °C 29 % 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	79.900	40.4	7.2	1.3	22.8	26.1	40.0	13.9	175	352
2	297.372	39.0	13.8	2.6	23.9	31.5	46.0	14.5	100	193
3	319.134	38.1	14.3	2.7	24.0	31.1	46.0	14.9	100	139
4	144.400	36.7	10.7	1.6	23.0	26.0	43.5	17.5	100	231
5	960.000	38.9	21.0	4.9	23.0	41.8	46.0	4.2	175	0
----- Vertical -----										
6	33.109	35.0	17.0	0.9	23.1	29.8	40.0	10.2	100	186
7	38.836	36.3	14.5	0.9	23.0	29.7	40.0	11.3	100	133
8	257.256	37.2	13.2	2.4	23.6	29.2	46.0	16.8	299	358
9	323.600	39.6	14.4	2.7	24.0	32.7	46.0	13.3	100	358

< USB MODE_1 GHz ~ 6 GHz_Peak >

RADIATED EMISSION

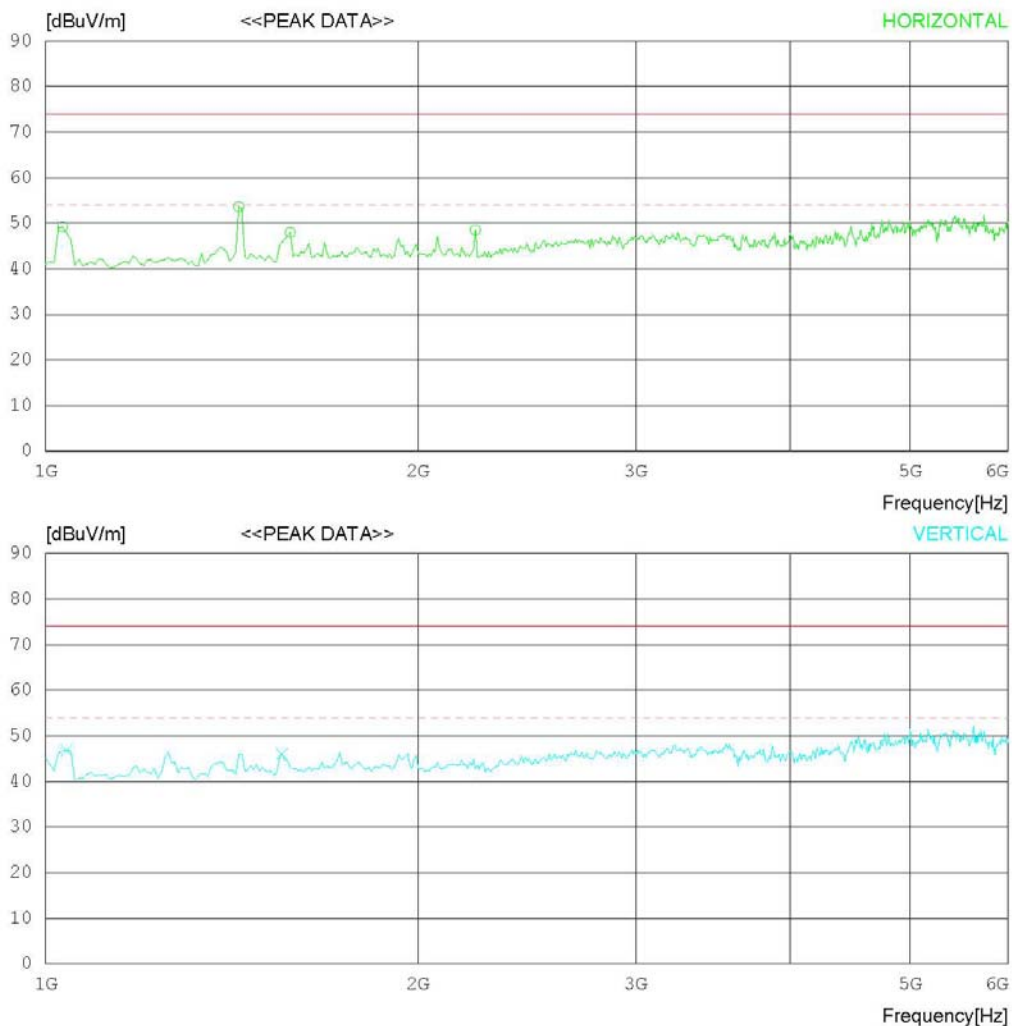
Date : 2012-02-11

Model Name : 37LT560C-UA
 Model No. :
 Serial No. :
 Test Condition : USB

Reference No. :
 Power Supply : 120V 60Hz
 Temp/Humi : 18 'C 29 % 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 : 2012-02-11

Model Name : 37LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18 °C 29 % 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	1032.051	62.4	23.7	4.9	41.8	49.2	74.0	24.8	100	358
2	1432.692	64.5	24.9	5.8	41.6	53.6	74.0	20.4	100	205
3	1576.923	58.4	25.1	6.1	41.6	48.0	74.0	26	100	358
4	2225.964	56.7	26.2	7.3	41.7	48.5	74.0	25.5	100	126
----- Vertical -----										
5	1040.064	60.0	23.7	4.9	41.8	46.8	74.0	27.2	100	1
6	1552.884	56.4	25.1	6.1	41.6	46.0	74.0	28	100	1

< USB MODE_1 GHz ~ 6 GHz_Average >

RADIATED EMISSION

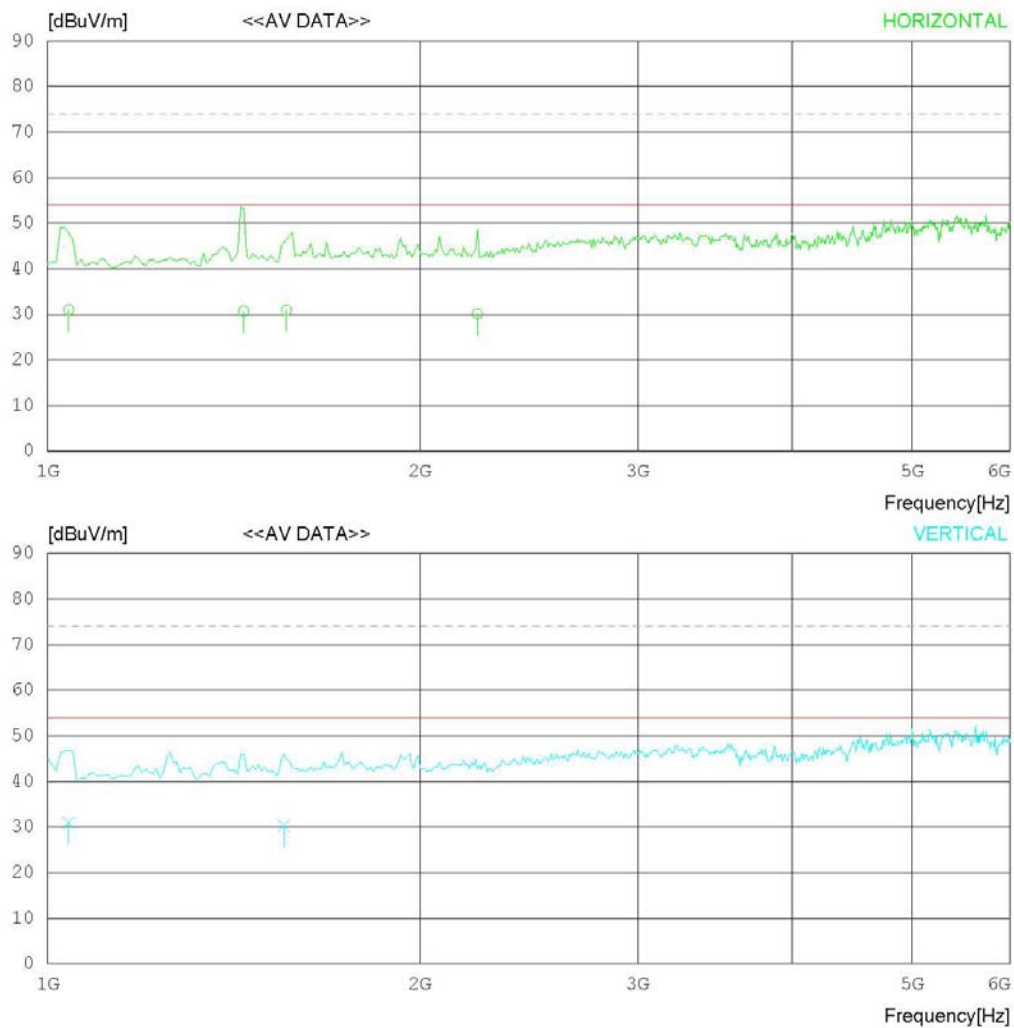
Date : 2012-02-11

Model Name : 37LT560C-UA
Model No. :
Serial No. :
Test Condition : USB

Reference No. :
Power Supply : 120V 60Hz
Temp/Humi : 18 'C 29 % 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 : 2012-02-11

Model Name : 37LT560C-UA	Reference No. :
Model No. :	Power Supply : 120V 60Hz
Serial No. :	Temp/Humi : 18 °C 29 % 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	1039.958	44.2	23.7	4.9	41.8	31.0	54.0	23.0	100	23
2	1440.692	41.5	25.0	5.8	41.6	30.7	54.0	23.3	100	205
3	1560.089	41.3	25.1	6.1	41.6	30.9	54.0	23.1	100	178
4	2225.964	38.3	26.2	7.3	41.7	30.1	54.0	23.9	100	126
----- Vertical -----										
5	1039.962	44.1	23.7	4.9	41.8	30.9	54.0	23.1	100	179
6	1552.884	40.7	25.1	6.1	41.6	30.3	54.0	23.7	100	183

Appendix 1

List of Test and Measurement Instruments

1. Conducted Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
☐ SPECTRUM ANALYZER	8591E	H/P	3649A05889	2011.03.07	2012.03.07
☐ RFI/FIELD INTENSITY METER	KNM-2402	KYORITSU	4N-170-3	2011.07.02	2012.07.02
☐ LISN	KNW-407	KYORITSU	8-317-8	2012.01.09	2013.01.09
☐ LISN	KNW-242	KYORITSU	8-654-15	2011.07.01	2012.07.01
☐ 50 OHM TERMINATOR	CT-01	TME	N/A	2012.01.09	2013.01.09
☒ EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2011.03.08	2012.03.08
☒ LISN	ESH2-Z5	ROHDE & SCHWARZ	828739/006	2011.09.30	2012.09.30
☒ LISN	LISN1600	TTI	197204	2011.07.02	2012.07.02
☒ 50 OHM TERMINATOR	CT-01	TME	N/A	2012.01.09	2013.01.09

2. Radiated Disturbance

Name of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
☒ EMI TEST RECEIVER	ESU	ROHDE & SCHWARZ	100014	2012.01.09	2013.01.09
☒ BILOG ANTENNA	CBL6112B	SCHAFFNER	2737	2010.07.14	2012.07.14
☒ HORN ANTENNA	BBHA9120A	SCHWARZBECK	322	2010.04.13	2012.04.13
☒ AMPLIFIER	8447E	H/P	2945A02865	2012.01.09	2013.01.09
☒ AMPLIFIER	MLA-00108-B02-36	TSJ	1518831	2012.01.09	2013.01.09
☐ SPECTRUM ANALYZER	E4411B	AGILENT	US41062735	2011.07.01	2012.07.01
☐ AMPLIFIER	8447D	AGILENT	2443A03690	2011.07.01	2012.07.01
☐ BILOG ANTENNA	VULB9160	SCHAFFNER	3151	2010.08.25	2012.08.25
☐ EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2011.03.08	2012.03.08
☐ BICONICAL ANT.	VHA 9103	SCHWARZBECK	91032789	2010.11.29	2012.11.29
☐ LOG-PERIODIC ANT.	UHALP 9108A	SCHWARZBECK	590	2010.07.07	2012.07.07
☐ BICONICAL ANT.	VHA 9103	SCHWARZBECK	91031946	2010.12.21	2012.12.21
☐ LOG-PERIODIC ANT.	UHALP 9108-A1	SCHWARZBECK	1098	2010.11.29	2012.11.29
☐ AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2011.03.07	2012.03.07