

Application for FCC Certificate
On Behalf of
LG Electronics U.S.A Inc.

Color Monitor

Model No.: T17LD-*, 6737-*6* /A

Serial No.: 43TAE27690008, 43TAE27690039

FCC ID : BEJT17LD

Prepared For :LG Electronics U.S.A Inc.
2000 Millbrook Dr.Lincolnshire,
IL 60069 United States

Prepared By :Audix Technology (Shanghai) Co., Ltd.
3F 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai, China 200233

Tel: +86-21-64955500
Fax: +86-21-64955491

Report No. : ACI-F04053
Date of Test : Jun 30 –Jul 07, 2004
Date of Report : Jul 21, 2004

TABLE OF CONTENTS

	Page
1 GENERAL INFORMATION.....	4
1.1 Description of Equipment Under Test.....	4
1.2 Supported Simulators	4
1.3 Description of Test Facility	5
1.4 Measurement Uncertainty	5
2 CONDUCTED EMISSION TEST	6
2.1 Test Equipment.....	6
2.2 Block Diagram of Test Setup	6
2.3 Conducted Emission Limit.....	7
2.4 Test Configuration.....	7
2.5 Operating Condition of EUT	7
2.6 Test Procedures	8
2.7 Test Results	8
3 RADIATED EMISSION TEST	15
3.1 Test Equipment.....	15
3.2 Block Diagram of Test Setup	15
3.3 Radiated Emission Limit	16
3.4 Test Configuration.....	16
3.5 Operating Condition of EUT	16
3.6 Test Procedures	16
3.7 Test Results	17
4 DEVIATION TO TEST SPECIFICATIONS	24

TEST REPORT FOR FCC CERTIFICATE

Applicant : LG Electronics U.S.A Inc.
Manufacturer : Nanjing LG-Tontru Color Display System Co., Ltd.
EUT Description : Color Monitor
(A) Model No. : T17LD-*, 6737-*6* /A
(B) Serial No. : 43TAE27690008, 43TAE27690039
(C) Power Supply : AC100-240V, 50-60Hz, 2.0A

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B JULY 2003
AND ANSI C63.4-2001*

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B (Class B) limits both radiated and conducted emissions.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (M/N: T17LD-*, 6737-*6* /A; S/N: 43TAE27690008, 43TAE27690039), which was tested in 3m anechoic chamber on Jun 30-Jul 07, 2004 to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

This report contains data that are not covered by the NVLAP accreditation.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Jun 30-Jul 07, 2004

Prepared by : Kathy Wang ^{2004.7.26} Test Engineer : Chen Jinfeng ^{2004.7.27}
Kathy Wang (Assistant) **AUDIX** CLOUD ENGINEERING Co., Ltd.
Reviewed by : Sammy Chen ^{2004.7.27} Approved Signatory : Byron Kwo ^{2004.7.27}
SAMMY CHEN (Engineer) Authorized Signature(s) (Assistant Manager)

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test

Description : Color Monitor

Type of EUT : ☒ Production ☐ Pre-product ☐ Pro-type

Model No. : T17LD-*, 6737-*6* /A

Serial No. : 43TAE27690008, 43TAE27690039

Applicant : LG Electronics U.S.A Inc.
2000 Millbrook Dr.Lincolnshire,
IL 60069 United States

Manufacturer : Nanjing LG-Tontru Color Display System
Co., Ltd.
No.346, YaoXin Road, Nanjing China

Note : The two monitors are all the same except for the
Model No. and appearance.

1.2 Supported Simulators

1.2.1 PC

Manufacturer : HP

Model Number : Pavilion 8626

Serial Number : CN03540181

CPU : 667MHz

Certificate : C-Tick, CE/EMC.

1.2.2 Keyboard (PS2)

Manufacturer : HP

Model Number : SK-2506

Serial Number : C0006175364

Data Cable : Unshielded, undetachable, 1.7m.

Certificate : FCC DoC, CE/EMC.

1.2.3 Mouse (PS2)

Manufacturer : Logitech

Model Number : M-S43

Serial Number : LZA11801031

Data Cable : Unshielded, undetachable, 1.9m.

Certificate : FCC ID:DZL211106, CE/EMC,
VCCI, C-Tick (N231).

1.2.4 Printer

Manufacturer : HP
Model Number : C3990A
Serial Number : JPZX020487
Data Cable : Unshielded, detachable, 1.5m
Certificate : GS, CE, C-Tick, FCC DoC

1.2.5 Modem

Manufacturer : Aceex
Model Number : 1414
Serial Number : 980013576
Data Cable : Unshielded, Detachable, 1.8m
FCC ID : IFAXDM1414

1.3 Description of Test Facility

Site Description : Sept. 17, 1998 file on
(Semi-Anechoic Chamber) Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046, USA

Name of Firm : Audix Technology (Shanghai) Co., Ltd.

Site Location : 3F 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai, China 200233

NVLAP Lab Code : 200371-0

1.4 Measurement Uncertainty

Conducted Emission Uncertainty : $U=\pm 2.66\text{dB}$
Radiated Emission Uncertainty : $U=\pm 4.26\text{dB}$

2 CONDUCTED EMISSION TEST

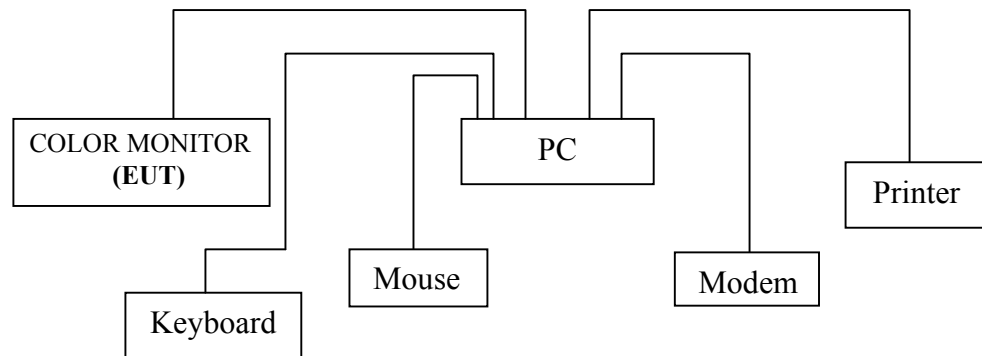
2.1 Test Equipment

The following test equipment are used during the conducted emission test in a shielded room:

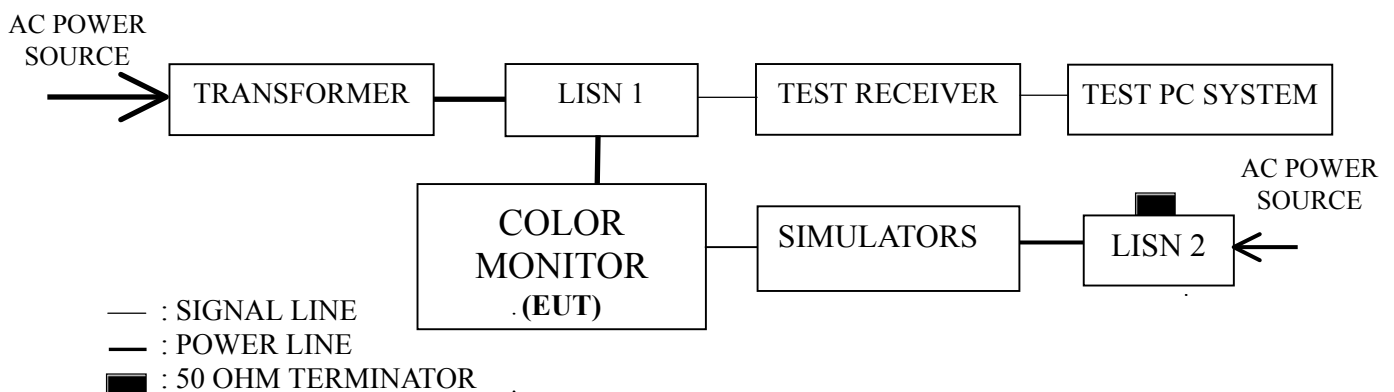
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	844077/020	Apr 20, 2004	1 Year
2.	Line Impedance Stabilization Network (LISN#1)	Kyoritsu	KNW-407	8-1280-4	Apr 20, 2004	1 Year
3.	Line Impedance Stabilization Network (LISN#2)	Kyoritsu	KNW-407	8-1280-5	Apr 27, 2004	1 Year
4.	50Ω Coaxial Switch	Anritsu	MP59B	M73389	Mar 21, 2004	1/2 Year
5.	50Ω Terminator	No.26 Factory	BNC	No.1	Mar 11, 2004	1/2 Year
6.	Software	Audix	E3	SET00200 9804M592	-	-

2.2 Block Diagram of Test Setup

2.2.1 EUT & Supported Simulators



2.2.2 Conducted Disturbance Test Setup



2.3 Conducted Emission Limit

Frequency Range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0.15 ~ 0.5	66~56	56~46
0.5 ~ 5	56	46
5 ~ 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 0.15 MHz~0.50 MHz NOTE 3 – If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.		

2.4 Test Configuration

The EUT (listed in Sec.1.1) and the simulators (listed in Sec1.2) were installed as shown on Sec.2.2 to meet FCC requirement and operating in a manner which tends to maximize its emission level in a normal application.

2.5 Operating Condition of EUT

- 2.5.1 Setup the EUT and simulators as shown in Sec. 2.2
- 2.5.2 Turn on the power of all equipment and the EUT.
- 2.5.3 Set the contrast control to maximum.
- 2.5.4 Set the brightness control to maximum or at raster extinction if raster extinction occurs at less than maximum brightness.
- 2.5.5 For color monitors, use white letters on a black background to represent all color.
- 2.5.6 Select the worse case of positive or negative video if both alternatives are available.
- 2.5.7 Set character size and number of characters per line so that typically the greatest number of characters per screen is displayed.
- 2.5.8 For monitors with graphics capabilities, a pattern consisting of all scrolling Hs should be displayed. For monitors with text only capability, a pattern consisting of random text shall be displayed. If neither of the above apply, use a typical display.
- 2.5.9 Set the EUT on the test mode, and then test.

2.6 Test Procedures

The EUT was connected to the power mains through a Line Impedance Stabilization Network (LISN). This provided a 50 ohm coupling impedance for the measuring equipment.

Both sides of AC line (VA & VB) were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed or manipulated according to FCC Part 15 during conducted emission test.

The bandwidth of Test Receiver ESHS10 was set at 10 kHz.

The frequency range from 150 kHz to 30 MHz was checked.

The test mode (800*600 75Hz, 1024*768 85Hz, 1280*1024 60Hz) was done on conducted disturbance test and all the test results are listed in Sec. 2.7.

2.7 Test Results

< PASS >

The frequency and amplitude of the highest conducted emission relative to the limit is reported. All emissions not reported below are too low against the prescribed limits.

The worse case is for 1024*768 85Hz mode (M/N: 6737-*6* /A). The worst emission is detected at 4.575 MHz with corrected signal level of 49.15 dB(μ V) (limit is 56.00 dB(μ V)), when the VB of the EUT is connected to LISN.

EUT : Color Monitor Temperature : 23°C

Model No. : T17LD-* Humidity : 56%

Serial No. : 43TAE27690008

Test Mode : 800*600 75Hz Date of Test : Jun 30, 2004

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)
VA	0.185	42.09	0.22	42.31	64.24	21.93
	0.419	38.79	0.14	38.93	57.46	18.53
	2.581	38.84	0.17	39.01	56.00	16.99
	3.740	41.30	0.18	41.48	56.00	14.52
	4.672	42.61	0.20	42.81	56.00	13.19
	5.898	44.60	0.22	44.82	60.00	15.18
VB	0.188	38.45	0.22	38.67	64.11	25.44
	0.421	38.83	0.18	39.01	57.42	18.41
	4.114	41.90	0.25	42.15	56.00	13.85
	4.672	43.45	0.27	43.72	56.00	12.28
	5.898	43.96	0.29	44.25	60.00	15.75
	21.147	35.46	0.74	36.20	60.00	23.80
NOTE 1 - Emission Level = Meter Reading + Factor. NOTE 2 - Factor = Cable Loss + Probe Factor. NOTE 3 - Probe Factor means insertion loss of LISN. NOTE 4 - All reading are Quasi-Peak Values.						

TEST ENGINEER: Cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 23°C

Model No. : T17LD-* Humidity : 56%

Serial No. : 43TAE27690008

Test Mode : 1024*768 85Hz Date of Test : Jul 30, 2004

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)
VA	0.206	45.09	0.22	45.31	63.36	18.05
	0.343	42.54	0.14	42.68	59.13	16.45
	2.946	43.18	0.17	43.35	56.00	12.65
	4.247	43.66	0.19	43.85	56.00	12.15
	5.623	47.25	0.22	47.47	60.00	12.53
	15.801	37.80	0.65	38.45	60.00	21.55
VB	0.206	44.00	0.21	44.21	63.36	19.15
	0.343	42.20	0.20	42.40	59.13	16.73
	1.918	37.10	0.21	37.31	56.00	18.69
	4.874	44.95	0.27	45.22	56.00	10.78
	5.623	46.48	0.29	46.77	60.00	13.23
	15.226	35.00	0.60	35.60	60.00	24.40
NOTE 1 - Emission Level = Meter Reading + Factor. NOTE 2 - Factor = Cable Loss + Probe Factor. NOTE 3 - Probe Factor means insertion loss of LISN. NOTE 4 - All reading are Quasi-Peak Values.						

TEST ENGINEER: cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 23°C

Model No. : T17LD-* Humidity : 56%

Serial No. : 43TAE27690008

Test Mode : 1280*1024 60Hz Date of Test : Jun 30, 2004

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)
VA	0.190	44.61	0.22	44.83	64.02	19.19
	0.383	40.22	0.14	40.36	58.21	17.85
	3.903	43.47	0.18	43.65	56.00	12.35
	4.542	45.20	0.20	45.40	56.00	10.60
	5.117	45.77	0.21	45.98	60.00	14.02
	20.486	42.35	0.93	43.28	60.00	16.72
VB	0.191	44.13	0.22	44.35	63.98	19.63
	0.320	39.88	0.20	40.08	59.71	19.63
	1.918	36.31	0.21	36.52	56.00	19.48
	4.796	44.94	0.27	45.21	56.00	10.79
	5.116	45.23	0.28	45.51	60.00	14.49
	21.260	38.13	0.74	38.87	60.00	21.13
NOTE 1 - Probe Factor means insertion loss of LISN. NOTE 2 - Factor = Cable Loss + Probe Factor. NOTE 3 - Emission Level = Meter Reading + Factor. NOTE 4 - All reading are Quasi-Peak Values.						

TEST ENGINEER: cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 23°C

Model No. : 6737-*6* /A Humidity : 56%

Serial No. : 43TAE27690039

Test Mode : 800*600 75Hz Date of Test : Jul 04, 2004

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)
VA	0.161	47.35	0.36	47.71	65.43	17.72
	0.428	38.86	0.29	39.15	57.29	18.14
	2.309	42.45	0.35	42.80	56.00	13.20
	3.276	44.77	0.39	45.16	56.00	10.84
	3.799	44.91	0.40	45.31	56.00	10.69
	4.598	44.93	0.42	45.35	56.00	10.65
VB	0.158	47.04	0.39	47.43	65.56	18.13
	0.322	39.67	0.34	40.01	59.66	19.65
	2.309	41.15	0.41	41.56	56.00	14.44
	4.721	45.16	0.50	45.66	56.00	10.34
	5.362	46.77	0.51	47.28	60.00	12.72
	5.898	46.29	0.51	46.80	60.00	13.20
NOTE 1 - Emission Level = Meter Reading + Factor. NOTE 2 - Factor = Cable Loss + Probe Factor. NOTE 3 - Probe Factor means insertion loss of LISN. NOTE 4 - All reading are Quasi-Peak Values.						

TEST ENGINEER: cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 23°CModel No. : 6737-*6* /A Humidity : 56%Serial No. : 43TAE27690039Test Mode : 1024*768 85Hz Date of Test : Jul 04, 2004

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)
VA	0.343	42.10	0.28	42.38	59.13	16.75
	2.201	43.77	0.35	44.12	56.00	11.88
	3.840	44.97	0.40	45.37	56.00	10.63
	4.876	46.89	0.43	47.32	56.00	8.68
	5.744	46.86	0.44	47.30	60.00	12.70
	13.479	36.67	0.74	37.41	60.00	22.59
VB	0.206	46.03	0.35	46.38	63.36	16.98
	0.413	39.78	0.33	40.11	57.59	17.48
	4.315	45.12	0.49	45.61	56.00	10.39
	4.875	48.65	0.50	49.15	56.00	6.85
	5.623	49.05	0.51	49.56	60.00	10.44
	5.744	48.65	0.51	49.16	60.00	10.84
NOTE 1 - Emission Level = Meter Reading + Factor. NOTE 2 - Factor = Cable Loss + Probe Factor. NOTE 3 - Probe Factor means insertion loss of LISN. NOTE 4 - All reading are Quasi-Peak Values.						

 TEST ENGINEER: cloud Feng
 (CLOUD FENG)

EUT : Color Monitor Temperature : 23°C

Model No. : 6737-*6* /A Humidity : 56%

Serial No. : 43TAE27690039

Test Mode : 1280*1024 60Hz Date of Test : Jul 04, 2004

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)
VA	0.191	47.40	0.35	47.75	63.98	16.23
	1.918	40.90	0.34	41.24	56.00	14.76
	3.964	44.66	0.40	45.06	56.00	10.94
	4.525	44.22	0.42	44.64	56.00	11.36
	5.623	46.83	0.44	47.27	60.00	12.73
	14.063	34.77	0.76	35.53	60.00	24.47
VB	0.320	43.73	0.34	44.07	59.71	15.64
	0.447	40.73	0.32	41.05	56.93	15.88
	1.918	41.42	0.40	41.82	56.00	14.18
	3.074	44.85	0.44	45.29	56.00	10.71
	4.027	43.61	0.47	44.08	56.00	11.92
	15.718	36.00	0.83	36.83	60.00	23.17
NOTE 1 - Probe Factor means insertion loss of LISN. NOTE 2 - Factor = Cable Loss + Probe Factor. NOTE 3 - Emission Level = Meter Reading + Factor. NOTE 4 - All reading are Quasi-Peak Values.						

TEST ENGINEER: cloud Feng
(CLOUD FENG)

3 RADIATED EMISSION TEST

3.1 Test Equipment

The following test equipment are used during the radiated emission test in a semi-anechoic chamber:

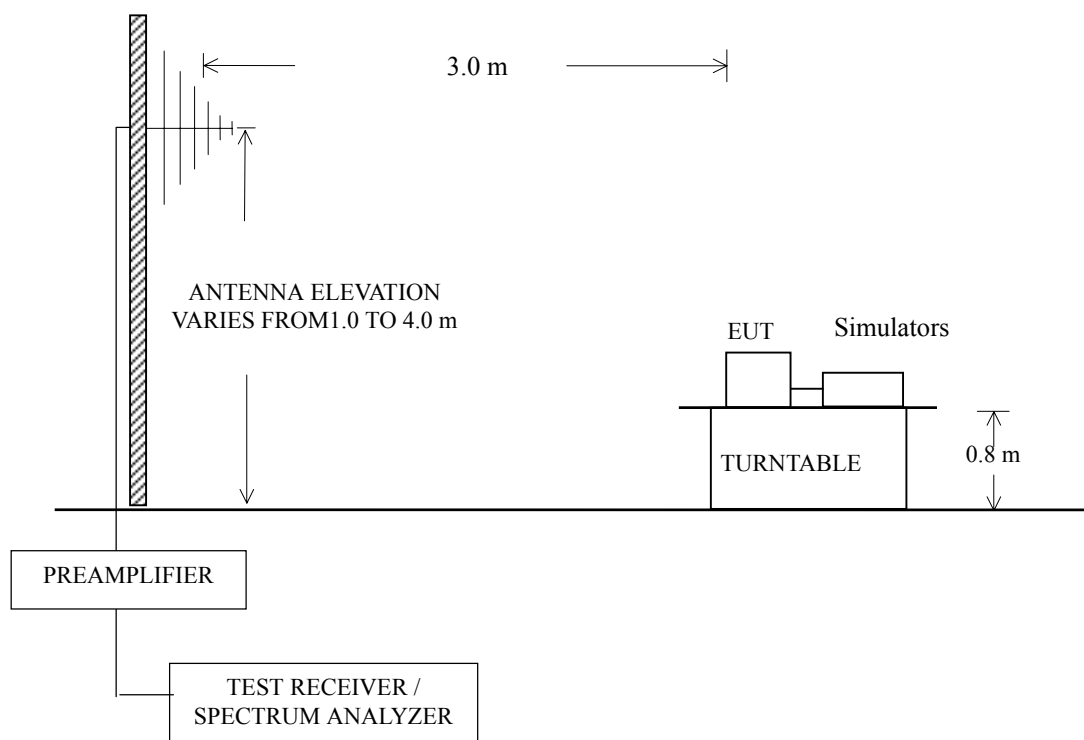
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593EM	3628A00167	Apr 22, 2004	1 Year
2.	Bilog Antenna	Chase	CBL6111	1145	Mar 20, 2004	1/2 Year
3.	Test Receiver	Rohde & Schwarz	ESVS10	832699/004	Apr 26, 2004	1 Year
4.	Preamplifier	HP	8447D	2944A06849	Mar 22, 2004	1/2 Year
5.	50Ω Coaxial Switch	Anritsu	MP59B	M74689	Mar 21, 2004	1/2 Year
6.	Software	Audix	E3	SET00200 9912M295-2	-	-

3.2 Block Diagram of Test Setup

3.2.1 EUT and simulators

Same as Sec.2.2.

3.2.2 Radiated emission test setup



3.3 Radiated Emission Limit

Frequency (MHz)	Distance (m)	Field strength limits (μV/m)	
		(μV/m)	dB(μV/m)
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0
NOTE 1 - Emission Level dB(μV/m) = 20 log Emission Level (μV/m) NOTE 2 - The tighter limit applies at the band edges. NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.			

3.4 Test Configuration

The configuration of the EUT and simulators are same as those used in conducted emission test.

Please refer to Sec.2.4.

3.5 Operating Condition of EUT

Same as conducted emission test which is listed in Sec.2.5, except the test setup replaced by Sec.3.2.

3.6 Test Procedures

The EUT and simulators were placed on a turntable which is 0.8 meter above ground. The turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (Calibrated Bilog Antenna) was used as receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to FCC Part 15 requirements during radiated emission test.

The bandwidth of Test Receiver R&S ESVS10 was set at 120 kHz.

The frequency range from 30 MHz to 1000 MHz was checked.

The test mode (800*600 75Hz, 1024*768 85Hz, 1280*1024 60Hz) was done on radiated disturbance test and all the test results are listed in Sec.3.7.

3.7 Test Results

<PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

The worse case is for 800*600 75Hz mode (M/N: 6737-*6* /A). The worst emission at horizontal polarization was detected at 756.530 MHz with corrected signal level of 45.64 dB(μ V/m) (limit is 46.00 dB(μ V/m)), when the antenna was 1.41m height and the turn table was at 204°. The worst emission at vertical polarization was detected at 30.000 MHz with corrected signal level of 39.24 dB(μ V/m) (limit is 46.00 dB(μ V/m)), when the antenna was 1.00m height and the turn table was at 165°.

0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

The following are the frequencies which the measured result are below the specification limit by a margin less than the measurement uncertainty, it is not therefore possible to determine compliance at a level of confidence of 95%. However, the measured result indicates a higher probability that the product tested complies with the specification limit.

M/N	Test Mode	Antenna Polarization	Frequency (MHz)
T17LD-*	800*600 75Hz	Horizontal	756.530
		Vertical	--
	1024*768 85Hz	Horizontal	756.530
		Vertical	--
	1280*1024 60Hz	Horizontal	431.580, 478.140, 756.530
		Vertical	478.140, 514.030, 756.530
6737-*6* /A	800*600 75Hz	Horizontal	756.530
		Vertical	30.000
	1024*768 85Hz	Horizontal	756.530
		Vertical	30.000
	1280*1024 60Hz	Horizontal	494.630, 756.530
		Vertical	30.000, 46.490, 541.190, 756.530

EUT : Color Monitor Temperature : 20.7°C

Model No. : T17LD-* Humidity : 53%

Serial No. : 43TAE27690008

Test Mode : 800*600 75Hz Date of Test : Jul 07, 2004

Polarization	Frequency (MHz)	Meter Reading dB(μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB(μV/m)	Limits dB(μV/m)	Margin (dB)
Horizontal	58.130	45.79	7.63	1.07	27.55	26.94	40.00	13.06
	70.740	44.57	7.14	1.23	27.52	25.42	40.00	14.58
	96.930	43.31	10.19	1.43	27.34	27.59	43.50	15.91
	145.430	45.55	11.13	1.83	27.06	31.45	43.50	12.05
	193.930	48.32	9.99	2.14	26.40	34.05	43.50	9.45
	756.530	42.95	23.24	4.81	26.69	44.31	46.00	1.69
Vertical	38.730	46.40	13.38	0.87	27.73	32.92	40.00	7.08
	46.490	48.46	10.25	0.96	27.77	31.90	40.00	8.10
	56.190	50.27	7.62	1.05	27.40	31.54	40.00	8.46
	193.930	49.07	9.99	2.14	26.40	34.80	43.50	8.70
	623.640	36.81	22.00	4.26	27.34	35.73	46.00	10.27
	756.530	39.02	23.24	4.81	26.69	40.38	46.00	5.62
NOTE 1 - Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor. NOTE 2 - All reading are Quasi-Peak values.								

TEST ENGINEER: cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 20.7°C

Model No. : T17LD-* Humidity : 53%

Serial No. : 43TAE27690008

Test Mode : 1024*768 85Hz Date of Test : Jul 07, 2004

Polarization	Frequency (MHz)	Meter Reading dB(μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB(μV/m)	Limits dB(μV/m)	Margin (dB)
Horizontal	48.430	47.44	8.71	0.97	27.52	29.60	40.00	10.40
	56.190	49.23	7.62	1.05	27.40	30.50	40.00	9.50
	77.530	47.35	7.18	1.30	27.52	28.31	40.00	11.69
	145.430	45.85	11.13	1.83	27.06	31.75	43.50	11.75
	193.930	48.59	9.99	2.14	26.40	34.32	43.50	9.18
	756.530	43.15	23.24	4.81	26.69	44.51	46.00	1.49
Vertical	48.430	50.85	8.71	0.97	27.52	33.01	40.00	6.99
	56.190	52.77	7.62	1.05	27.40	34.04	40.00	5.96
	193.930	46.74	9.99	2.14	26.40	32.47	43.50	11.03
	509.180	41.28	19.80	3.80	27.09	37.79	46.00	8.21
	649.830	36.43	22.80	4.36	27.39	36.20	46.00	9.80
	756.530	39.79	23.24	4.81	26.69	41.15	46.00	4.85
NOTE 1 - Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor. NOTE 2 - All reading are Quasi-Peak values.								

TEST ENGINEER: Cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 20.7°C

Model No. : T17LD-* Humidity : 53%

Serial No. : 43TAE27690008

Test Mode : 1280*1024 60Hz Date of Test : Jul 07, 2004

Polarization	Frequency (MHz)	Meter Reading dB(μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB(μV/m)	Limits dB(μV/m)	Margin (dB)
Horizontal	56.190	49.54	7.62	1.05	27.40	30.81	40.00	9.19
	126.030	46.83	12.40	1.67	27.20	33.70	43.50	9.80
	198.780	50.34	9.89	2.16	26.69	35.70	43.50	7.80
	431.580	46.45	18.90	3.42	26.92	41.85	46.00	4.15
	478.140	49.10	19.41	3.65	27.38	44.78	46.00	1.22
	756.530	43.13	23.24	4.81	26.69	44.49	46.00	1.51
Vertical	46.490	53.05	10.25	0.96	27.77	36.49	40.00	3.51
	126.030	47.25	12.40	1.67	27.20	34.12	43.50	9.38
	198.780	50.15	9.89	2.16	26.69	35.51	43.50	7.99
	478.140	48.58	19.41	3.65	27.38	44.26	46.00	1.74
	514.030	47.23	19.86	3.80	27.18	43.71	46.00	2.29
	756.530	40.65	23.24	4.81	26.69	42.01	46.00	3.99
NOTE 1 - Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor. NOTE 2 - All reading are Quasi-Peak values.								

TEST ENGINEER: Cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 20.7°C

Model No. : 6737-*6* /A Humidity : 53%

Serial No. : 43TAE27690039

Test Mode : 800*600 75Hz Date of Test : Jul 07, 2004

Polarization	Frequency (MHz)	Meter Reading dB(μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB(μV/m)	Limits dB(μV/m)	Margin (dB)
Horizontal	30.000	37.14	14.24	0.75	27.68	24.45	40.00	15.55
	67.830	45.40	7.24	1.19	27.62	26.21	40.00	13.79
	130.880	39.54	12.06	1.72	27.04	26.28	43.50	17.22
	288.990	39.18	14.34	2.67	26.16	30.03	46.00	15.97
	667.290	35.43	23.33	4.46	27.30	35.92	46.00	10.08
	756.530	44.28	23.24	4.81	26.69	45.64	46.00	0.36
Vertical	30.000	51.93	14.24	0.75	27.68	39.24	40.00	0.76
	48.430	49.67	8.71	0.97	27.52	31.83	40.00	8.17
	58.130	49.69	7.63	1.07	27.55	30.84	40.00	9.16
	67.830	48.72	7.24	1.19	27.62	29.53	40.00	10.47
	193.930	42.50	9.99	2.14	26.40	28.23	43.50	15.27
	756.530	40.16	23.24	4.81	26.69	41.52	46.00	4.48
NOTE 1 - Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor. NOTE 2 - All reading are Quasi-Peak values.								

TEST ENGINEER: cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 20.7°C

Model No. : 6737-*6* /A Humidity : 53%

Serial No. : 43TAE27690039

Test Mode : 1024*768 85Hz Date of Test : Jul 07, 2004

Polarization	Frequency (MHz)	Meter Reading dB(μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB(μV/m)	Limits dB(μV/m)	Margin (dB)
Horizontal	48.430	47.57	8.71	0.97	27.52	29.73	40.00	10.27
	56.190	49.23	7.62	1.05	27.40	30.50	40.00	9.50
	121.180	41.75	12.24	1.63	27.29	28.33	43.50	15.17
	562.530	36.10	20.69	4.01	27.29	33.51	46.00	12.49
	696.390	33.33	24.13	4.51	27.06	34.91	46.00	11.09
	756.530	43.05	23.24	4.81	26.69	44.41	46.00	1.59
Vertical	30.000	52.17	14.24	0.75	27.68	39.48	40.00	0.52
	56.190	53.73	7.62	1.05	27.40	35.00	40.00	5.00
	65.890	51.16	7.35	1.19	27.52	32.18	40.00	7.82
	85.290	47.15	7.90	1.35	27.49	28.91	40.00	11.09
	193.930	45.50	9.99	2.14	26.40	31.23	43.50	12.27
	756.530	40.02	23.24	4.81	26.69	41.38	46.00	4.62
NOTE 1 - Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor. NOTE 2 - All reading are Quasi-Peak values.								

TEST ENGINEER: Cloud Feng
(CLOUD FENG)

EUT : Color Monitor Temperature : 20.7°C

Model No. : 6737-*6* /A Humidity : 53%

Serial No. : 43TAE27690039

Test Mode : 1280*1024 60Hz Date of Test : Jul 07, 2004

Polarization	Frequency (MHz)	Meter Reading dB(μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB(μV/m)	Limits dB(μV/m)	Margin (dB)
Horizontal	126.030	48.31	12.40	1.67	27.20	35.18	43.50	8.32
	135.730	48.47	11.75	1.76	27.04	34.94	43.50	8.56
	324.880	44.02	15.95	2.91	26.29	36.59	46.00	9.41
	494.630	45.94	19.56	3.70	27.22	41.98	46.00	4.02
	521.790	44.94	19.99	3.83	27.18	41.58	46.00	4.42
	756.530	42.94	23.24	4.81	26.69	44.30	46.00	1.70
Vertical	30.000	49.95	14.24	0.75	27.68	37.26	40.00	2.74
	46.490	53.62	10.25	0.96	27.77	37.06	40.00	2.94
	135.730	47.83	11.75	1.76	27.04	34.30	43.50	9.20
	494.630	45.63	19.56	3.70	27.22	41.67	46.00	4.33
	541.190	46.63	20.34	3.95	27.39	43.53	46.00	2.47
	756.530	40.62	23.24	4.81	26.69	41.98	46.00	4.02
NOTE 1 - Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor. NOTE 2 - All reading are Quasi-Peak values.								

TEST ENGINEER: Cloud Feng
(CLOUD FENG)

4 DEVIATION TO TEST SPECIFICATIONS

The following components are used during the countermeasure procedures:

M/N: T17LD-*:

Name	Model Number	Specifications (mm)			Manufacturer	Location
		Length	Internal diameter	External diameter		
Magnetic core	125-074J	28.2±0.8	9.5±0.4	18.2±0.5	FEELUX Co., Ltd. /BOAM R&D Co., Ltd.	See Appendix II Figure 3, 4, 6
Magnetic core	70-1601708001	17.0±0.5	8.0±0.3	16.0±0.5	URITE&EQ Co., Ltd.	See Appendix II Figure 3, 4, 6
Magnetic core	125-074K	15.0±0.5	6.9±0.3	13.9±0.3	FEELUX Co., Ltd. /BOAM R&D Co., Ltd.	See Appendix II Figure 3, 4, 6
Note: The Manufacturer had to add the magnetic cores to the cables in the production of this EUT in order that complies with the limits.						

M/N: 6737-*6* /A:

Name	Model Number	Specifications (mm)			Manufacturer	Location
		Length	Internal diameter	External diameter		
Magnetic core	125-074J	28.2±0.8	9.5±0.4	18.2±0.5	FEELUX Co., Ltd. BOAM R&D Co., Ltd.	See Appendix II Figure 15, 16, 19
Magnetic core	70-1601708001	17.0±0.5	8.0±0.3	16.0±0.5	URITE&EQ Co., Ltd.	See Appendix II Figure 15, 16, 19
Magnetic core	125-074K	15.0±0.5	6.9±0.3	13.9±0.3	FEELUX Co., Ltd. BOAM R&D Co., Ltd.	See Appendix II Figure 15, 16, 19
Note: The Manufacturer had to add the magnetic cores to the cables in the production of this EUT in order that complies with the limits.						