

APPLICATION FOR CERTIFICATION

On Behalf of

Evervictory Electronic Company Limited

Roof Mount LCD Monitor with DVD Player Combo

Model Number: TR-7092CS

Prepared for : Evervictory Electronic Company Limited
Chu Chi management district, Humen town, Dongguan city,
Guangdong province, China

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number : ACS-F07259
Date of Test : Jun.21, 2007
Date of Report : Jun.25, 2007

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TEST REPORT CERTIFICATION

Applicant : Evervictory Electronic Company Limited
 Manufacturer : Evervictory Electronic Company Limited
 EUT Description : Roof Mount LCD Monitor with DVD Player Combo

(A) MODEL NO. : TR-7092CS
 (B) SERIAL NO. : N/A
 (C) POWER SUPPLY : DC 12V

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C 2006

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

The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of tests. Also, this report shows that EUT is technically compliant with FCC requirements.

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

Date of Test :

Jun.21, 2007

Prepared by :

YoYo Wang
 YoYo Wang / Assistant

Reviewer :

Iceman Hu
 Iceman Hu / Senior Engineer



Approved & Authorized Signer :

Ken Lu / Deputy Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1.Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Limits	Results
Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.4: 2003	Part C Limit	N/A
Radiated Emission Test	FCC Part 15: 15.239 ANSI C63.4: 2003	Part C Limit	PASS
Bandwidth Test	FCC Part 15: 15.239	Part C Limit	PASS
N/A is an abbreviation for Not Applicable.			

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Description : Roof Mount LCD Monitor with DVD Player Combo

Model Number : TR-7092CS

Working Frequency : 88.1MHz to 89.9MHz manually adjusted with 0.2MHz separation by press up/down buttons.

Applicant : Evervictory Electronic Company Limited
Chu Chi management district, Humen town, Dongguan city,
Guangdong province, China

Manufacturer : Evervictory Electronic Company Limited
Chu Chi management district, Humen town, Dongguan city,
Guangdong province, China

Date of Test : Jun.21, 2007

Note: We selected 88.1MHz, 89.1MHz and 89.9MHz for all test.

2.2. Test Facility

Site Description

- 3m Anechoic Chamber : Jun. 13, 2006 File on Federal Communication Commission
Registration Number: 90454
- 3m & 10m Anechoic Chamber : Jan.31, 2007 File on Federal Communication Commission
Registration Number: 794232
- EMC Lab. : Accredited by DATech, German
Registration Number: DAT-P-091/99-01
Feb. 02, 2006
- Accredited by NVLAP, USA
NVLAP Code: 200372-0
Apr. 01, 2006

2.3. Test Uncertainty

No.	Item	Uncertainty	Remark
1.	Uncertainty for Radiated Emission Test	3.14dB	3m Chamber
2.	Uncertainty for Bandwidth Emission Test	0.42×10^{-6} dB	

3. POWER LINE CONDUCTED EMISSION TEST

According to Paragraph (f) of FCC Part 15C , Tests to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

4. RADIATED EMISSION TEST

4.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Spectrum	HP	85422E	3625A00181	May 11, 07	1 Year
2.	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	May 11, 07	1 Year
3.	Amplifier	HP	8447D	2944A07794	Mar.12, 07	1/2 Year
4.	Bilog Antenna	Schaffner	CBL6111C	2598	Feb.22, 07	1 Year
5.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.1	Jan. 18, 07	1/2 Year
6.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	Jan. 18, 07	1/2 Year
7.	RF Cable	FUJIKURAw	RG-55/U	3# Chamber No.3	Jan. 18, 07	1/2 Year
8.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	Jan. 18, 07	1/2 Year
9.	Coaxial Switch	Anritsu	MP59B	M73989	Jan. 18, 07	1/2 Year

4.2. Block Diagram of Test Setup

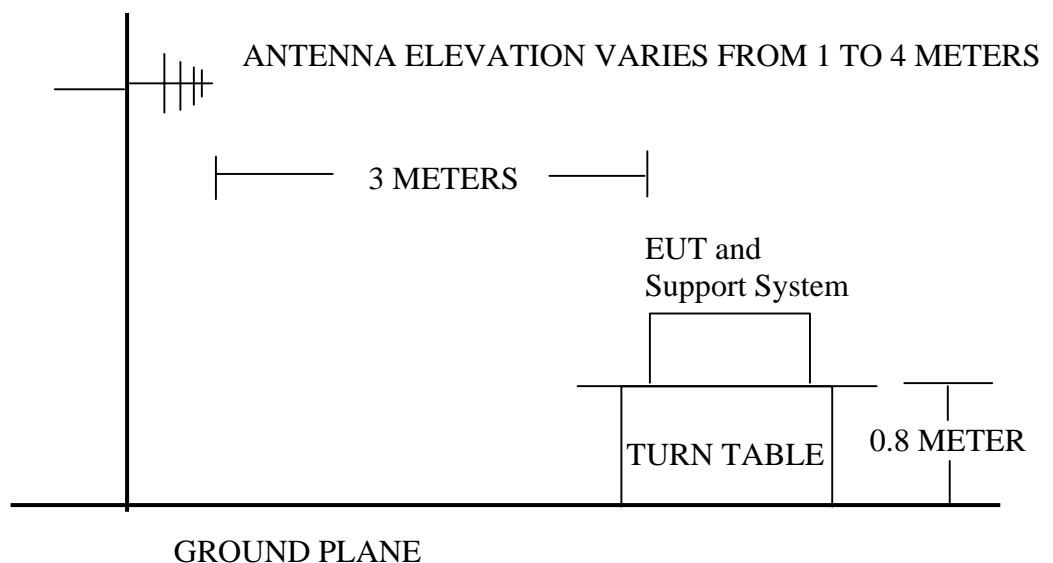
4.2.1. Block Diagram of connection between EUT and simulators



(EUT: Roof Mount LCD Monitor with DVD Player Combo)

4.2.2. Anechoic Chamber Setup Diagram

ANTENNA TOWER



4.3.Radiated Emission Limit 30~1000MHz

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 108	3	250	48.0 (Average) 68.0 (Peak)
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

- Remark :
- (1) Emission level $\text{dB}\mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$
 - (2) The smaller limit shall apply at the cross point between two frequency bands.
 - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.4.EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4.1.Roof Mount LCD Monitor with DVD Player Combo (EUT)

Model Number : TR-7092CS
 Serial Number : N/A
 Manufacturer : Evervictory Electronic Company Limited

4.5.Operating Condition of EUT

4.5.1.Setup the EUT as shown in Section 4.2..

4.5.2.Let the EUT work in test modes (DVD Playing, FM TX Mode) and test it.

4.6. Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2003 on radiated emission Test.

This test was performed with EUT in X, Y, Z position (see test photo), and the worse case was found when EUT in X position and this position was also the normal use position

The bandwidth of the EMI test receiver (R&S ESVS20) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

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

The test modes (DVD Playing, FM TX Mode) is tested in Anechoic Chamber and all the scanning waveforms are reported on Section 4.7.

4.7. Radiated Emission Test Results

PASS.

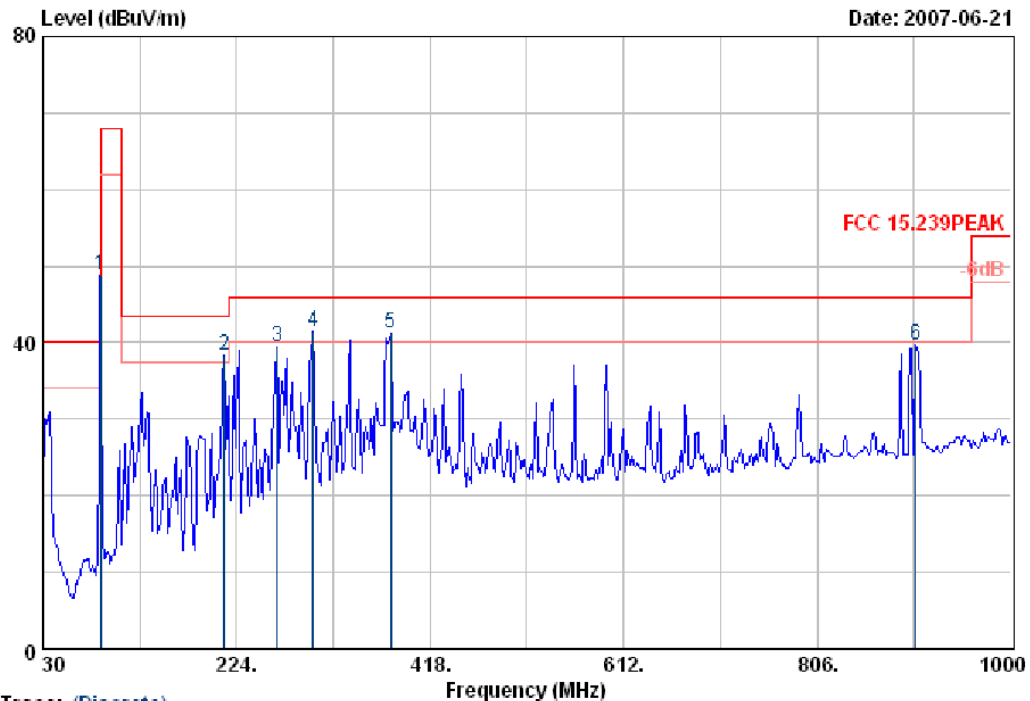


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Data: 19

File: D:\2007 Report Data\EVERVICTORY\ACS70430.EMI (30)

Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 19
 Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
 Limit : FCC 15.239PEAK
 Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
 EUT : Roof Mount LCD Monitor with DVD Player Combo
 Power Rating : DC 12V
 Test Mode : DVD Playing,FM TX in 88.1MHz
 M/N : TR-7092CS

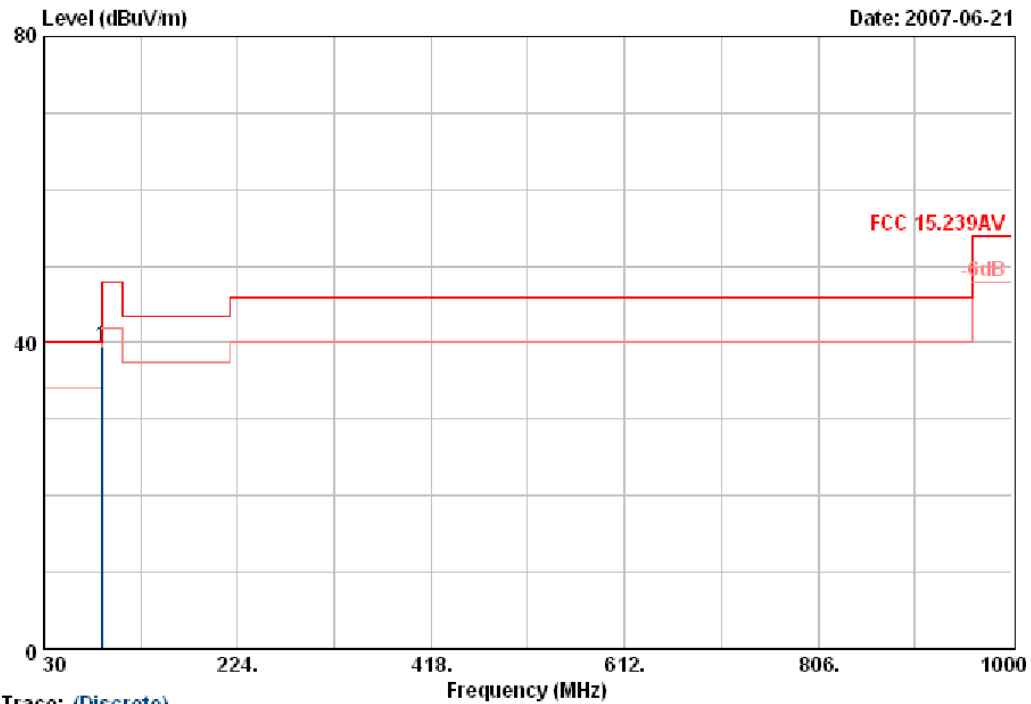
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.10	8.76	1.02	39.07	48.85	68.00	19.15	Peak
2	211.39	10.32	1.37	26.60	38.29	43.50	5.21	QP
3	264.74	14.10	1.57	23.87	39.54	46.00	6.46	QP
4	300.63	13.82	1.64	26.08	41.54	46.00	4.46	QP
5	378.23	15.82	1.78	23.63	41.23	46.00	4.77	QP
6	904.94	23.00	2.65	13.96	39.61	46.00	6.39	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 20 File: D:\2007 Report Data\EVERVICTORY\ACS7Q430.EMI (30)



Trace: (Discrete)

Site no. :	3# Chamber Radiation	Data no. :	20
Dis. / Ant. :	3m 2598	Ant. pol. :	HORIZONTAL
Limit :	FCC 15.239AV		
Env. / Ins. :	24*C/56% ESVS20	Engineer :	Jamy
EUT :	Roof Mount LCD Monitor with DVD Player Combo		
Power Rating :	DC 12V		
Test Mode :	DVD Playing,FM TX in 88.1MHz		
M/N :	TR-7092CS		

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.10	8.76	1.02	29.71	39.49	48.00	8.51	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

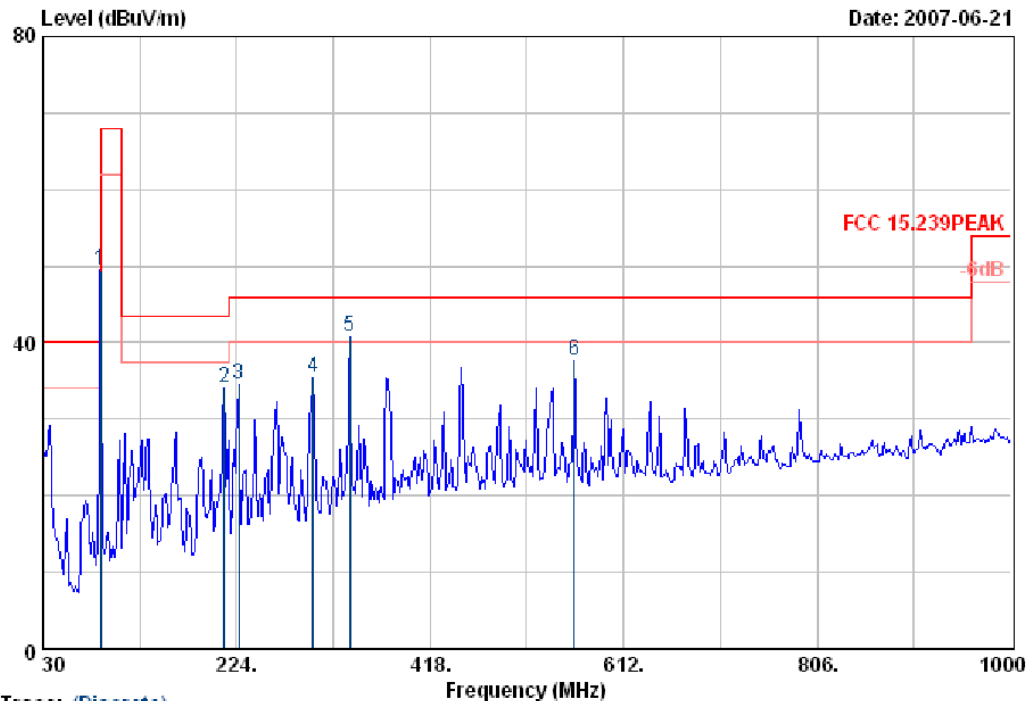


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Data: 21

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Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 21
 Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
 Limit : FCC 15.239PEAK
 Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
 EUT : Roof Mount LCD Monitor with DVD Player Combo
 Power Rating : DC 12V
 Test Mode : DVD Playing,FM TX in 88.1MHz
 M/N : TR-7092CS

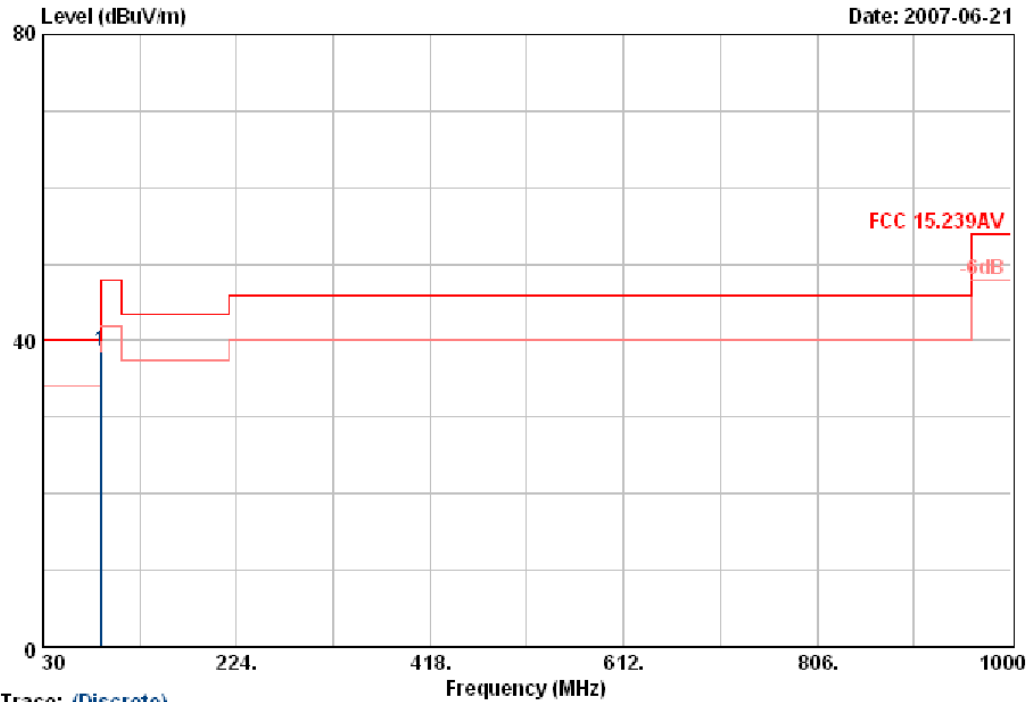
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.10	8.76	1.02	39.61	49.39	68.00	18.61	Peak
2	211.39	10.32	1.37	22.37	34.06	43.50	9.44	QP
3	225.94	10.76	1.40	22.37	34.53	46.00	11.47	QP
4	300.63	13.82	1.64	19.96	35.42	46.00	10.58	QP
5	337.49	14.70	1.74	24.38	40.82	46.00	5.18	QP
6	562.53	19.30	2.16	16.12	37.58	46.00	8.42	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

Site no. :	3# Chamber Radiation	Data no. :	22
Dis. / Ant. :	3m 2598	Ant. pol. :	VERTICAL
Limit :	FCC 15.239AV		
Env. / Ins. :	24°C/56% ESVS20	Engineer :	Jamy
EUT :	Roof Mount LCD Monitor with DVD Player Combo		
Power Rating :	DC 12V		
Test Mode :	DVD Playing,FM TX in 88.1MHz		
M/N :	TR-7092CS		

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.10	8.76	1.02	28.67	38.45	48.00	9.55	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

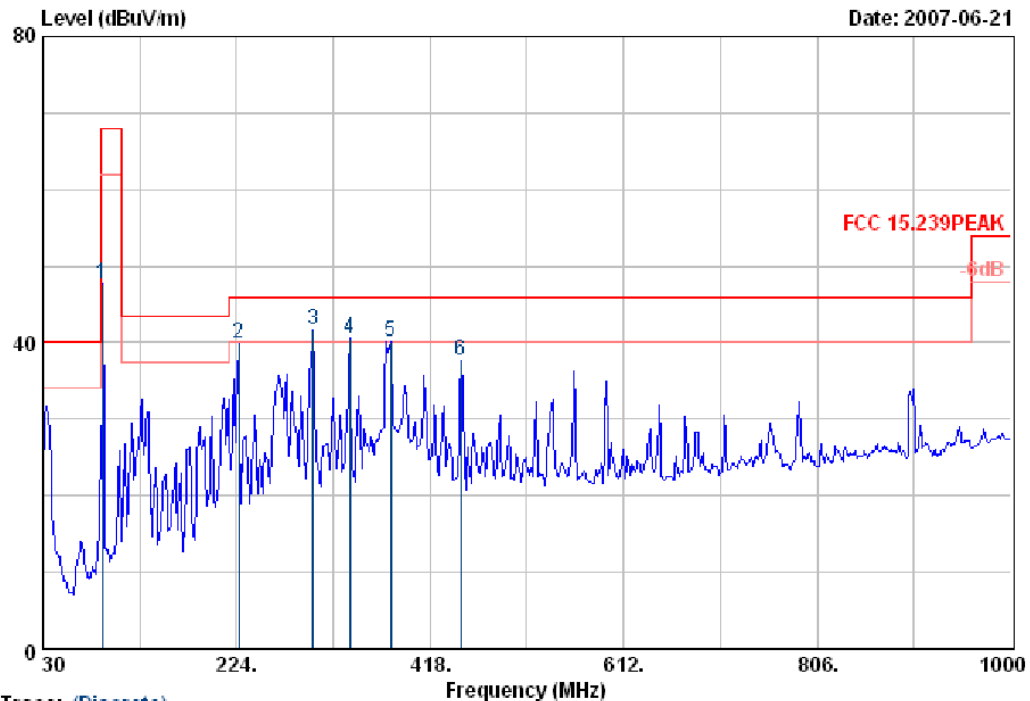


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Data: 25

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Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 25
 Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
 Limit : FCC 15.239PEAK
 Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
 EUT : Roof Mount LCD Monitor with DVD Player Combo
 Power Rating : DC 12V
 Test Mode : DVD Playing,FM TX in 89.1MHz
 M/N : TR-7092CS

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.10	8.88	1.02	37.80	47.70	68.00	20.30	Peak
2	225.94	10.76	1.40	27.67	39.83	46.00	6.17	QP
3	300.63	13.82	1.64	26.11	41.57	46.00	4.43	QP
4	337.49	14.70	1.74	24.11	40.55	46.00	5.45	QP
5	378.23	15.82	1.78	22.48	40.08	46.00	5.92	QP
6	449.04	17.10	2.01	18.61	37.72	46.00	8.28	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

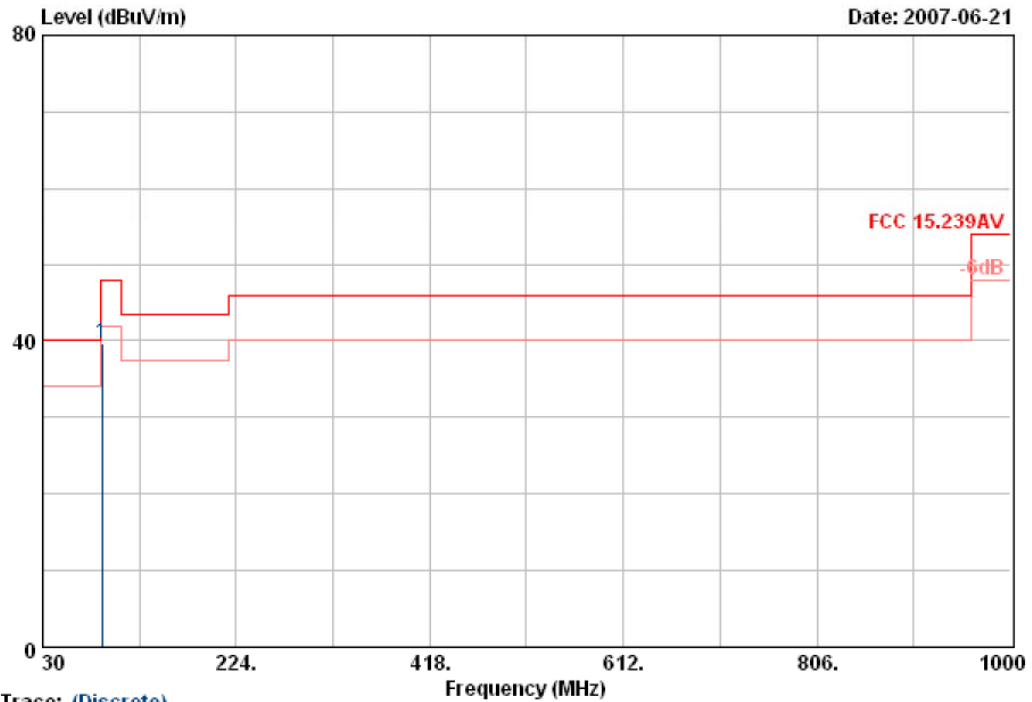


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Date: 2007-06-21



Trace: (Discrete)

Site no.	: 3# Chamber Radiation	Data no.	: 26
Dis. / Ant.	: 3m 2598	Ant. pol.	: HORIZONTAL
Limit	: FCC 15.239AV		
Env. / Ins.	: 24°C/56% ESVS20	Engineer	: Jamy
EUT	: Roof Mount LCD Monitor with DVD Player Combo		
Power Rating	: DC 12V		
Test Mode	: DVD Playing, FM TX in 89.1MHz		
M/N	: TR-7092CS		

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.11	8.88	1.02	29.81	39.71	48.00	8.29	Average

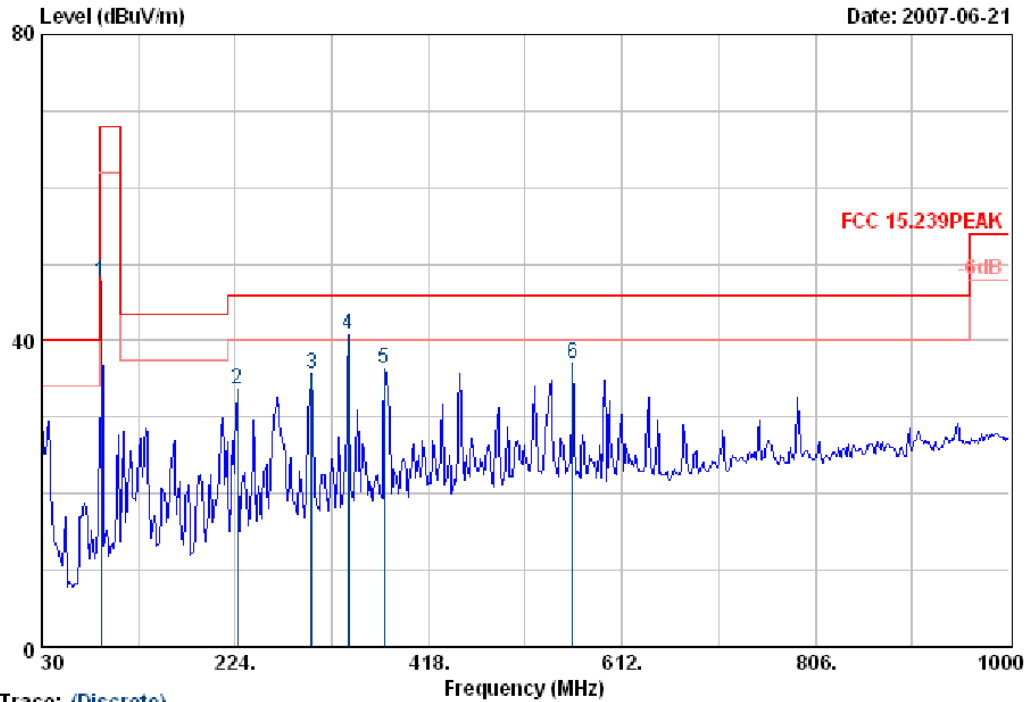
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 23
Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
Limit : FCC 15.239PEAK
Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
EUT : Roof Mount LCD Monitor with DVD Player Combo
Power Rating : DC 12V
Test Mode : DVD Playing,FM TX in 89.1MHz
M/N : TR-7092CS

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.10	8.88	1.02	37.78	47.68	68.00	20.32	Peak
2	225.94	10.76	1.40	21.55	33.71	46.00	12.29	QP
3	300.63	13.82	1.64	20.30	35.76	46.00	10.24	QP
4	337.49	14.70	1.74	24.37	40.81	46.00	5.19	QP
5	373.38	15.62	1.78	18.88	36.28	46.00	9.72	QP
6	562.53	19.30	2.16	15.52	36.98	46.00	9.02	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

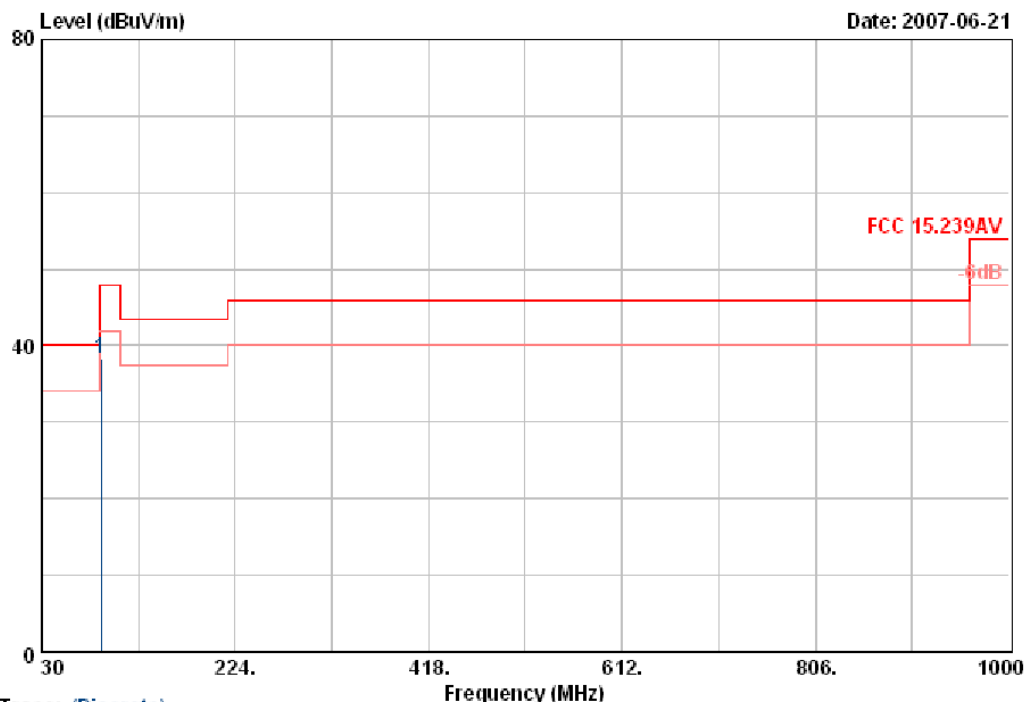


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Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 24
 Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
 Limit : FCC 15.239AV
 Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
 EUT : Roof Mount LCD Monitor with DVD Player Combo
 Power Rating : DC 12V
 Test Mode : DVD Playing, FM TX in 89.1MHz
 M/N : TR-7092CS

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.10	8.88	1.02	28.52	38.42	48.00	9.58	Average

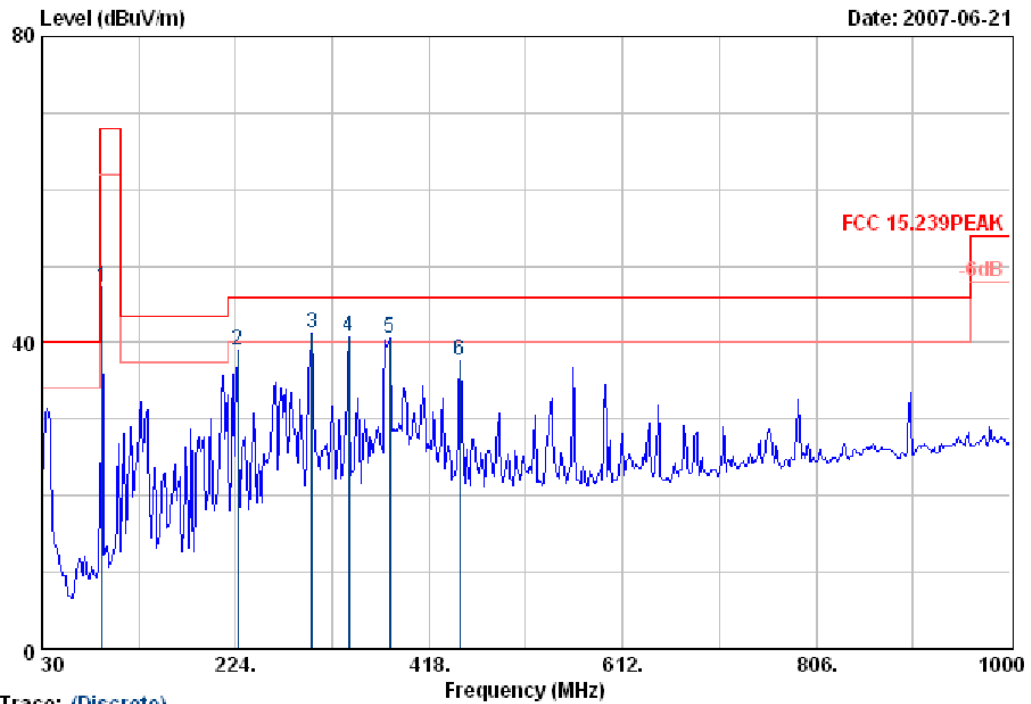
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 27
Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
Limit : FCC 15.239PEAK
Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
EUT : Roof Mount LCD Monitor with DVD Player Combo
Power Rating : DC 12V
Test Mode : DVD Playing,FM TX in 89.9MHz
M/N : TR-7092CS

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.90	9.00	1.03	37.19	47.22	68.00	20.78	Peak
2	225.94	10.76	1.40	26.91	39.07	46.00	6.93	QP
3	300.63	13.82	1.64	25.79	41.25	46.00	4.75	QP
4	337.49	14.70	1.74	24.31	40.75	46.00	5.25	QP
5	378.23	15.82	1.78	22.86	40.46	46.00	5.54	QP
6	449.04	17.10	2.01	18.63	37.74	46.00	8.26	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

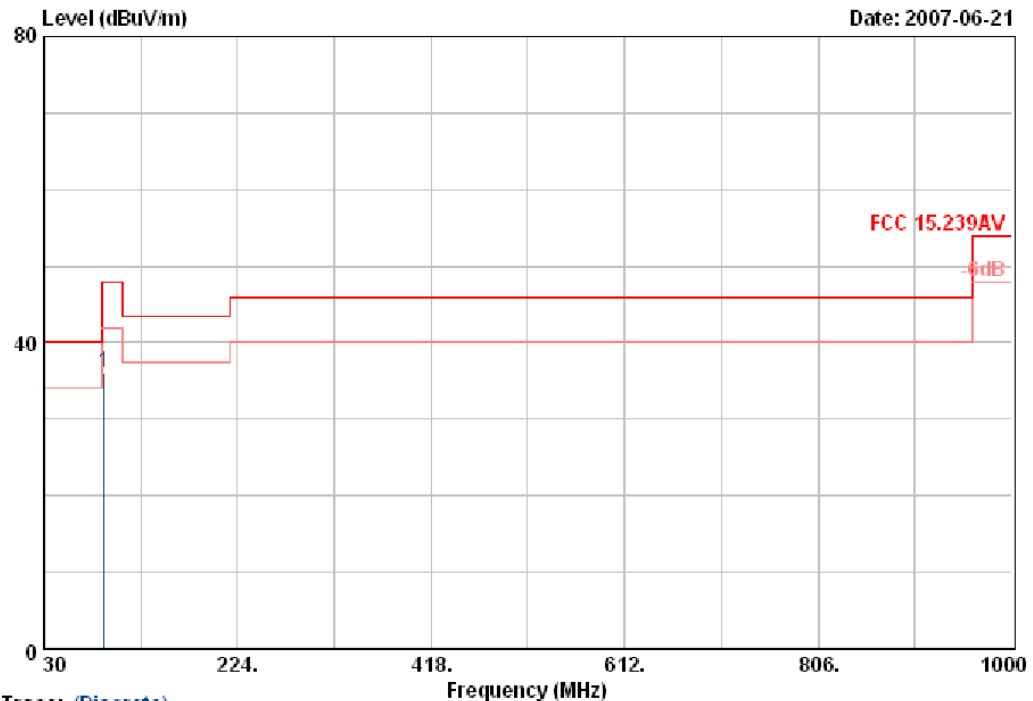


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Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 28
 Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
 Limit : FCC 15.239AV
 Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
 EUT : Roof Mount LCD Monitor with DVD Player Combo
 Power Rating : DC 12V
 Test Mode : DVD Playing,FM TX in 89.9MHz
 M/N : TR-7092CS

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.90	9.00	1.03	26.16	36.19	48.00	11.81 Average

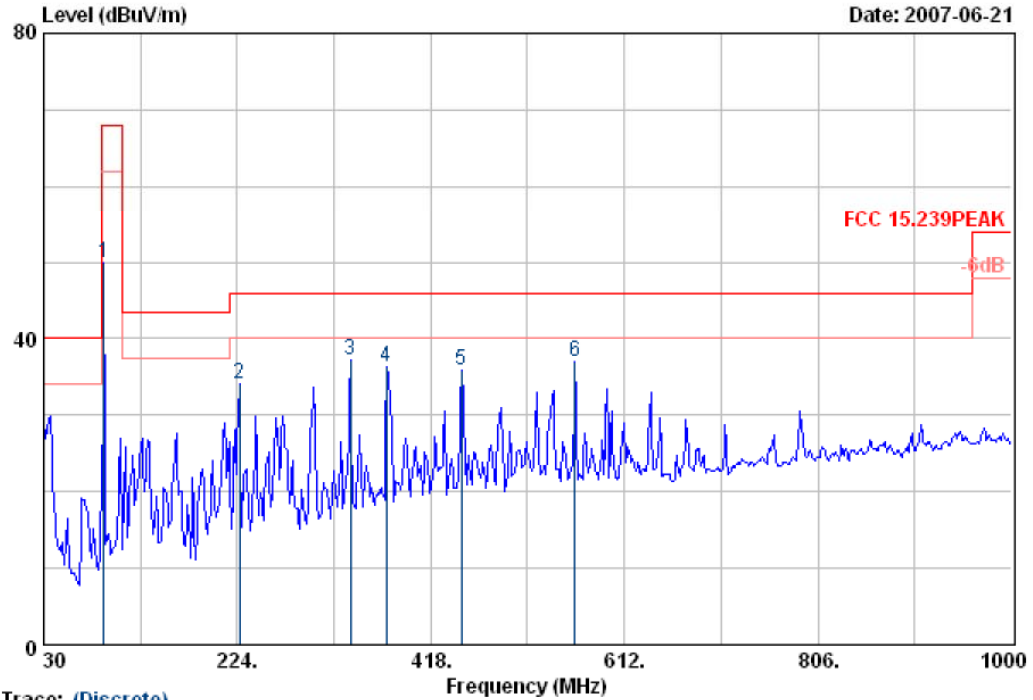
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 29 File: D:\2007 Report Data\E\EVERVICTORY\ACS70430.EMI (30)

Date: 2007-06-21



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 29
Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
Limit : FCC 15.239PEAK
Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
EUT : Roof Mount LCD Monitor with DVD Player Combo
Power Rating : DC 12V
Test Mode : DVD Playing,FM TX in 89.9MHz
M/N : TR-7092CS

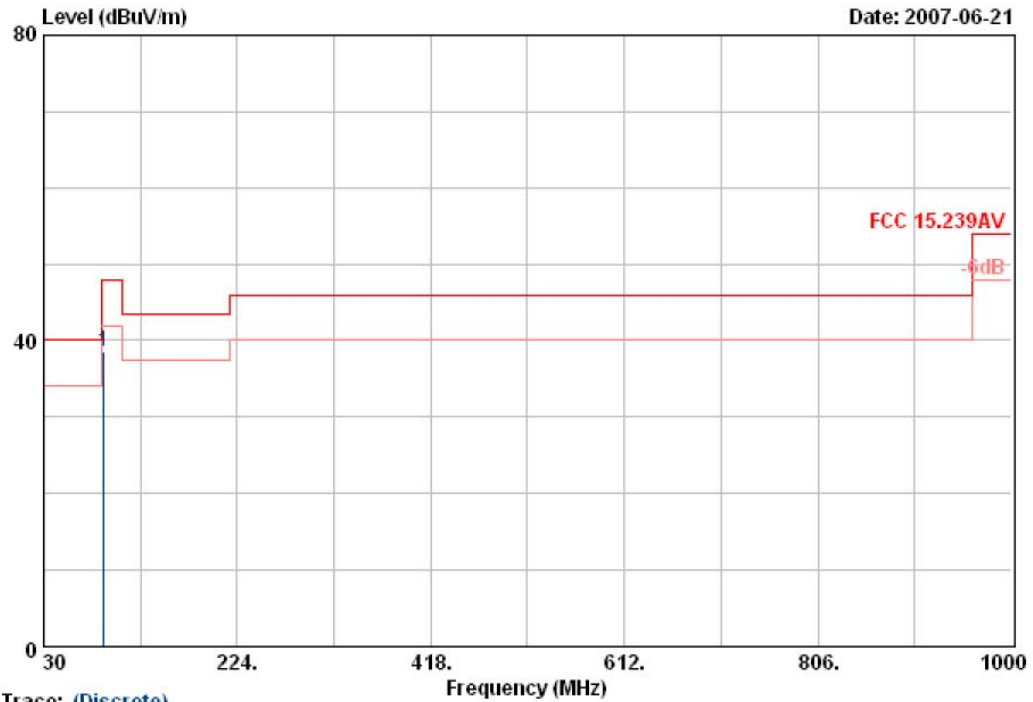
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.91	9.00	1.03	39.92	49.95	68.00	18.05	Peak
2	225.94	10.76	1.40	22.04	34.20	46.00	11.80	QP
3	337.49	14.70	1.74	20.70	37.14	46.00	8.86	QP
4	373.38	15.62	1.78	18.99	36.39	46.00	9.61	QP
5	449.04	17.10	2.01	16.73	35.84	46.00	10.16	QP
6	562.53	19.30	2.16	15.45	36.91	46.00	9.09	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 30 File: D:\2007 Report Data\E\EVERVICTORY\ACS70430.EMI (30)



Trace: (Discrete)

Site no.	: 3# Chamber Radiation	Data no.	: 30
Dis. / Ant.	: 3m 2598	Ant. pol.	: VERTICAL
Limit	: FCC 15.239AV		
Env. / Ins.	: 24°C/56% ESVS20	Engineer	: Jamy
EUT	: Roof Mount LCD Monitor with DVD Player Combo		
Power Rating	: DC 12V		
Test Mode	: DVD Playing, FM TX in 89.9MHz		
M/N	: TR-7092CS		

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.91	9.00	1.03	28.49	38.52	48.00	9.48	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

5. BANDWIDTH TEST

5.1. Test Equipment

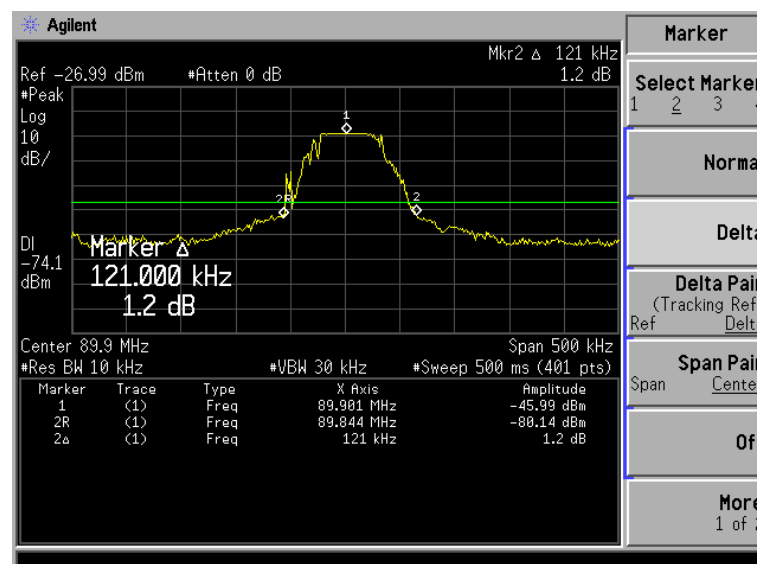
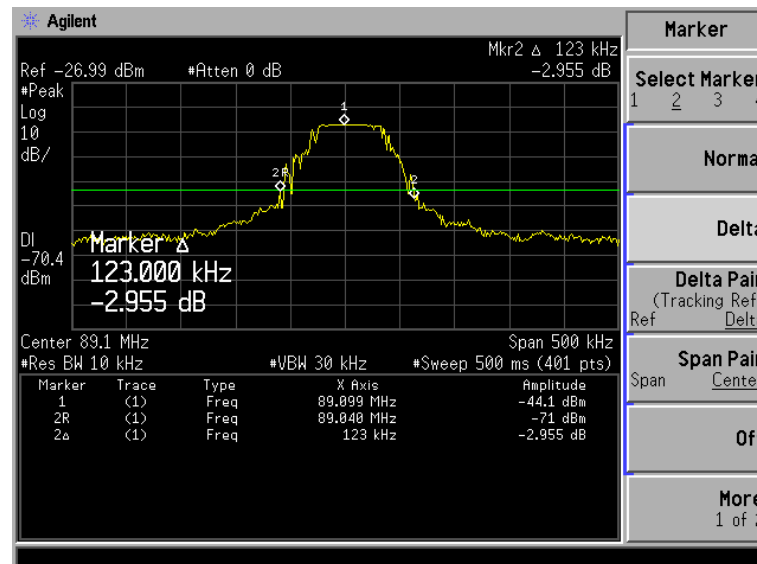
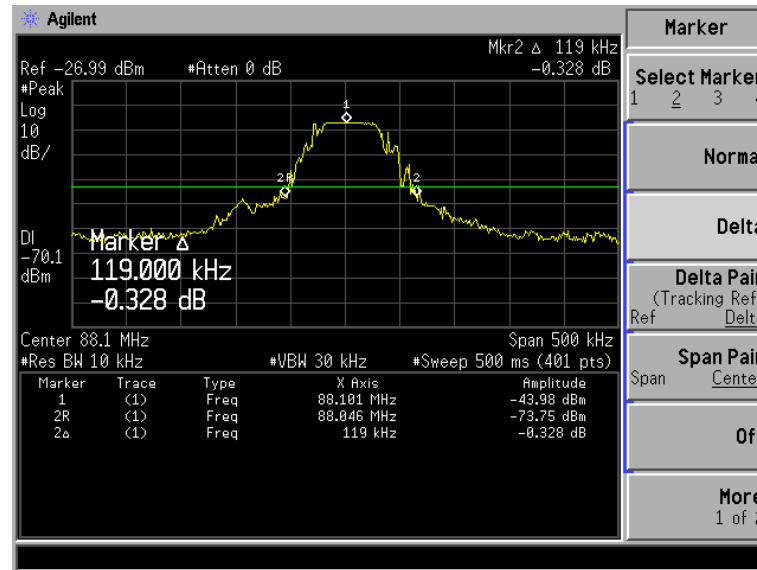
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4407B	MY41440292	May 15, 06	1 Year
2.	Amplifier	HP	8447D	2944A07794	Mar.12, 07	1/2 Year
3.	Bilog Antenna	Schaffner	CBL6111C	2598	Feb.22, 07	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May 15, 06	1 Year

5.2. Test Information

EUT:	Roof Mount LCD Monitor with DVD Player Combo
M/N:	TR-7092CS
Test Date:	Jun.21, 2007
Ambient Temperature:	24°C
Relative Humidity:	54%
Test standard:	FCC PART 15C: 15.239
Test mode:	Transmitting
Test signal:	DVD Playing and maximum Jazz music TX by FM modulation
Test Frequency:	88.1MHz 89.1MHz 89.9MHz
Test By:	Jamy

5.3. Test Results

Test Frequency	Bandwidth (kHz)	Limit (kHz)	Conclusion
88.1MHz	119	200	PASS
89.1MHz	123	200	PASS
89.9MHz	121	200	PASS



6. DEVIATION TO TEST SPECIFICATIONS

[NONE]