

HomeTek Technology Inc.

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FCC TEST REPORT FOR

APPLICANT	: SMART CABLING & TRANSMISSION CORP.
ADDRESS	: 3F., No. 4, Lane 130, Min-Chung Rd., Hsin-Tien City, Taipei Hsien, Taiwan, R. O. C.
EUT	: Video Distributor & Amplifier
MODEL NO.	: CD816XXX



NVLAP Lab Code:200331-0

Accredited by the National Voluntary Laboratory Accreditation Program
for the specific scope of accreditation under Lab Code 200331-0

MEASUREMENT PROCEDURE USED

FCC RULES AND CISPR 22 (DOCKET NO. 92-152, SEP. 1993) AND FCC / ANSI C63.4-2001

PREPARED BY :

HomeTek Technology Inc.

No. 67-9, Shir Men Road, Tu Cheng City,

Taipei Hsien. Taiwan, R. O. C.

Report # : FD3C030



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SAMPLE OF FCC DOC LABEL 126

SAMPLE OF FCC DOC LABEL 226

APPENDIX A

PHOTOS OF TEST CONFIGURATION

APPENDIX B

PHOTOS OF EUT



ADDRESS: No. 67-9, Shir Men Road, Tu Cheng City,
Taipei Hsien, Taiwan, R. O. C.
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E - mail : hometek@ms15.hinet.net



CERTIFICATION for FCC Part 15, Subpart B Class B

APPLICANT : SMART CABLING & TRANSMISSION CORP.
ADDRESS : 3F., No. 4, Lane 130, Min-Chung Rd.,
Hsin-Tien City, Taipei Hsien, Taiwan, R. O. C.
Receipt Date : 03/18/2004 Final Test Date: 03/30/2004
EUT : Video Distributor & Amplifier
MODEL NO. : CD816XXX

MEASUREMENT PROCEDURE USED :

FCC RULES AND CISPR 22 (DOCKET NO. 92-152, SEP. 1993)
AND FCC / ANSI C63.4-2001

TEST PROCEDURE AND DATA ARE TRACEABLE TO NIST/USA,
TL or NML/TAIWAN.

- THE MAXIMUM EMISSION LEVELS WERE COMPARED TO THE CISPR 22 CLASS B LIMITS BOTH RADIATED AND CONDUCTED EMISSION.
- THE ABOVE DEVICE WAS TESTED BY HOMETEK TECHNOLOGY INC. TO SHOWS THE MAXIMUM EMISSION LEVEL FROM THE DEVICE.
- THIS TEST RESULTS OF THIS REPORT APPLIES TO ABOVE TESTED SAMPLE ONLY.
- THIS TEST REPORT SHALL NOT BE REPRODUCE IN PART WITHOUT WRITTEN APPROVAL OF HOMETEK TECHNOLOGY INC.
- THE REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE U. S. GOVERNMENT.
- THE TEST RESULTS ARE TRACEABLE TO THE NATIONAL OR INTERNATIONAL STANDARD.

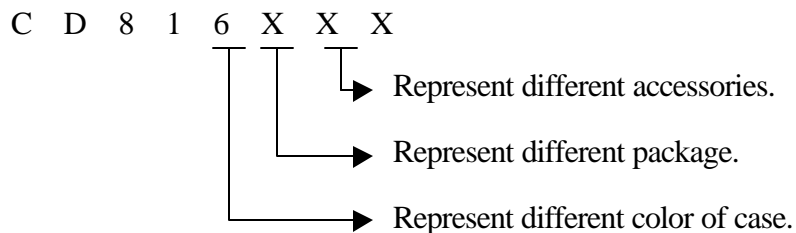
PREPARED BY : Ming Yu Li DATE : 3/30/2004
MING YU LI
CHECK BY : Albert Tsai DATE : 3/30/2004
ALBERT TSAI / Senior Engineer
APPROVED BY : Tommy Rau DATE : 3/30/2004
TOMMY RAU / Manager



GENERAL INFORMATION

- 1 APPLICANT : SMART CABLING & TRANSMISSION CORP.
- 2 ADDRESS : 3F., No. 4, Lane 130, Min-Chung Rd.,
Hsin-Tien City, Taipei Hsien, Taiwan, R. O. C.
- 3 MANUFACTURER : SMART CABLING & TRANSMISSION CORP.
- 4 ADDRESS : 3F., No. 4, Lane 130, Min-Chung Rd.,
Hsin-Tien City, Taipei Hsien, Taiwan, R. O. C.
- 5 DESCRIPTION OF EUT :
 - EUT : Video Distributor & Amplifier
 - FCC ID : N/A
 - Model Number : CD816XXX
 - Serial # : N/A

5.1 The difference between series of models CD816XXX is shown as below:



The worst case of EMI test model is CD816A and the final test data were shown in this test report.



6 FEATURES OF EUT :
Model No. CD816A

Video Input Channel	8
Video Output Channel	16
Video Input Level	0.8~1.2Vp-p, 75ohms
Video Bandwidth	10Hz ~ 10MHz
Power Supply	DC 12V
Power Consumption	500mA
Brightness	YES
Sharpness	YES
Dimensions (mm)	482x170x44 standard 1U Rack Panel
Weight	2.6kg
Material	Metal Black



MODIFICATION LIST

THE FOLLOWING ACCESSORIES WERE ADDED TO THE EUT DURING TESTING :

NO MODIFICATION BY HOMETEK TECHNOLOGY INC.



CONDUCTED POWER LINE TEST

1 TEST INSTRUMENTS & FACILITIES

The following test Instruments was used during the conducted test :

Item	Instruments/ Facilities	Specification	Manufacturer	Model # S/N	Date Of Cal.
1	EMI Receiver	9KHz ~ 30MHz	ROHDE & SCHWARZ	ESHS 30 844827/007	MAR/2004
2	LISN (for EUT)	50 /50uH/100A 150KHz ~ 30MHz	SCHWARZ BECK	NNLK 8121 8121370	OCT/2003
3	LISN (for Support Unit)	50 /50uH/10A 9KHz ~ 30MHz	ROHDE & SCHWARZ	ESH3-Z5 846128/007	FEB/2004
4	Terminator	50	N/A	N/A	NOV/2003
5	Attenuation	50 /10dB	Mini-Circuit	NAT-10 AT-002	JUL/2003
6	Cable	3m	SUHNER	RG-223 CON2-001	DEC/2003
7	ESXS-K1 (software)	Version 2.03b 9KHz ~ 30MHz	ROHDE & SCHWARZ	1082.9678.02 840.913/246	N/A

Note : Items 1 ~ 6 were calibrated within period of 1 year.

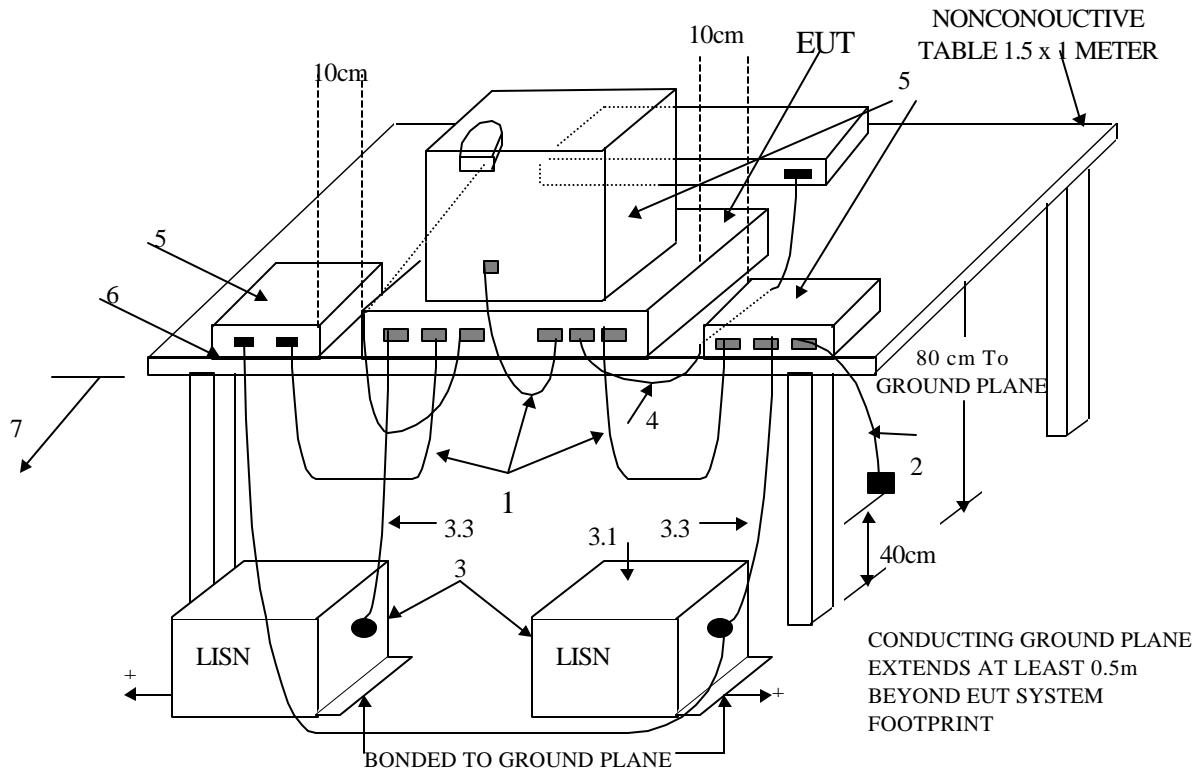
2 TEST PROCEDURE

- 2.1 The EUT was tested according to **ANSI C63.4 - 2001 & CISPR 22**.
- 2.2 The EUT was placed 0.4 meter from the conducting wall of shielding room and kept at least 0.8 meter from any other grounded conducting surface.
- 2.3 The frequency range form 0.15 MHz to 30 MHz was investigated.
- 2.4 The LISN used was 50 Ohm / 50 uHenry as specified by Section 5.1 of **ANSI C63.4 - 2001**.
- 2.5 All the support peripherals are connect to the other LISN.
- 2.6 Cables and peripherals were moved to find the maximum emission levels for each frequency.

3 TEST SETUP

3.1 Typical : Setup Of Conducted Test

ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9kHz TO 40 GHz ANSI C63.4-2001



+LISNs may have to be moved to the side to meet 3.3 below.

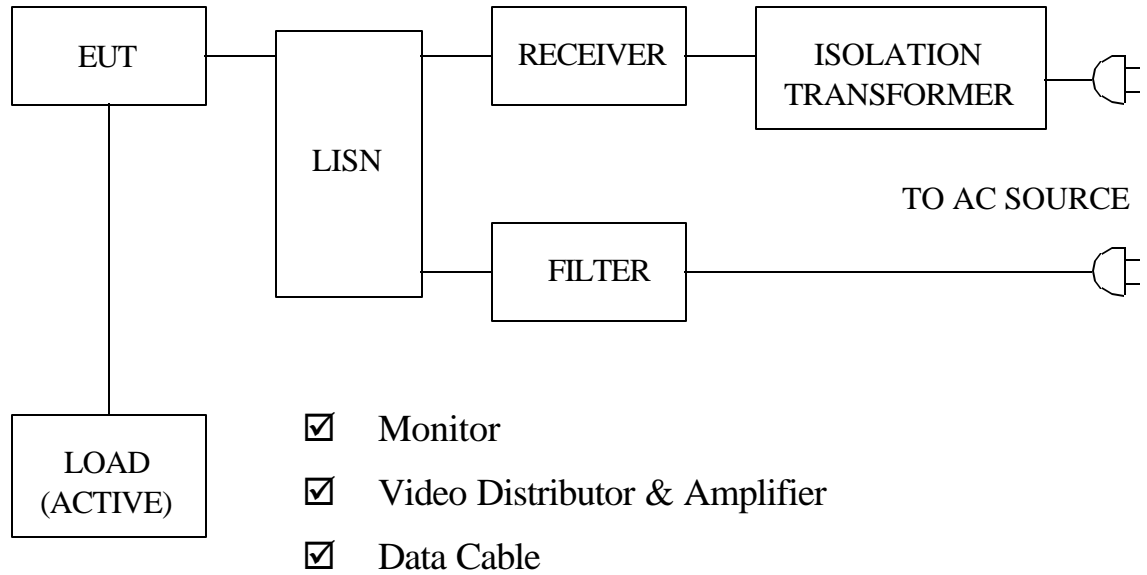
(Details for setup configuration, please refer to appendix A.)

LEGEND:

1. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth forming a bundle 30 to 40 cm long, hanging approximately in the middle between ground plane and table.
2. I/O cables that are connected to a peripheral shall be bundled in center. The end of the cable may be terminated if required using correct terminating impedance. The total length shall not exceed 1m.
3. EUT connected to one LISN. Unused LISN connectors shall be terminated in 50 Ω. LISN can be placed on top of, or immediately beneath, ground plane.
 - 3.1 All other equipment powered from second LISN.
 - 3.2 Multiple outlet strip can be used for multiple power cords of non-EUT equipment.
 - 3.3 LISN at least 80 cm from nearest part of EUT chassis.
4. Cables of hand-operated devices, such as keyboards, mice, etc., have to be placed as close as possible to the host.
5. Non-EUT components being tested.
6. Rear of EUT, including peripherals, shall be all aligned and flush with rear of tabletop.
7. Rear of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the floor ground plane (see 5.2).

**Test Configuration
Tabletop Equipment Conducted Emission**

3.2 Block Diagram Of Conducted Test



4 CONFIGURATION OF THE EUT

The EUT was configured according to **ANSI C63.4 - 2001 & CISPR 22**. All I/O ports were connected to the appropriate peripherals. All peripherals and cables are listed below (including internal device) :

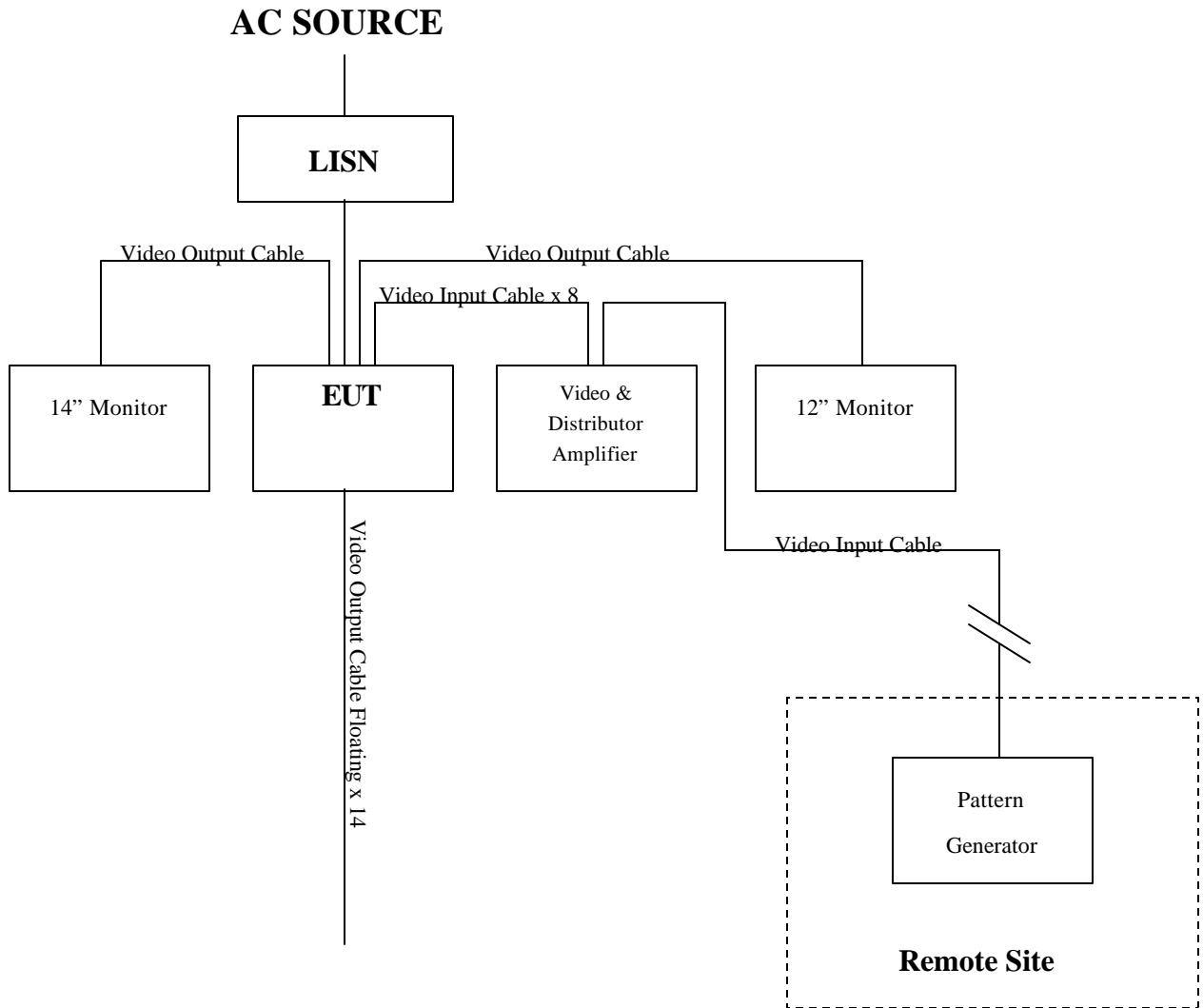


Figure 1



4.1 EUT

EUT Type : Proto Type Engineer Type Mass Production
Condition when received : Good Damage : _____
Device : Video Distributor & Amplifier
Applicant : SMART CABLING & TRANSMISSION CORP.
Manufacturer : SMART CABLING & TRANSMISSION CORP.
Model Number : CD816XXX
Serial Number : N/A
FCC ID : N/A
Data Cable1 (Video Input) : Shielded, 1.8 m, Metal Type
Data Cable2 (Video Input) : Shielded, 10 m, Metal Type
Data Cable3 (Video Output) : Shielded, 1.8 m, Metal Type
Power Cord (AC) Adapter : 2 pin
Power Cord (DC) Adapter : Un-Shielded, 1.9 m, 2 pin
Power Supply Type : Linear Adapter

4.2 PERIPHERALS

14" Monitor

Manufacturer : YOKO
Model Number : YK-8111
Serial Number : N/A
FCC ID : N/A
Data Cable : Shielded, 1.8 m
Power Cord : Un-Shielded, 1.8 m



12" Monitor

Manufacturer : YOKO
Model Number : YK-8102
Serial Number : N/A
FCC ID : N/A
Data Cable : Shielded, 1.8 m
Power Cord : Un-Shielded, 1.8 m

Video Distributor & Amplifier

Manufacturer : SMART CABLING
Model Number : CD108
Serial Number : N/A
FCC ID : N/A
Data Cable : Shielded, 1.8 m
Power Cord : Un-Shielded, 1.9 m

Power Adapter

Manufacturer : JELEC
Model Number : YAD-1200500C
Serial Number : N/A
FCC ID : N/A
Data Cable : N/A
Power Cord : Un-Shielded, 1.9 m



Pattern Generator (Remote Site)

Manufacturer : LEADER
Model Number : 408
Serial Number : 3037775
FCC ID : FCC DoC
Data Cable : Shielded
Power Cord : Un-Shielded, 1.8 m

4.3 REMARK : N/A



5 EUT OPERATING CONDITION

- 5.1 The operation frequency of the EUT is 10Hz ~ 10MHz.
- 5.2 Configure the EUT according to the **ANSI C63.4 - 2001 & CISPR 22**.
- 5.3 Turn on all the power of EUT and peripheral.
- 5.4 Remote pattern generator send 1KHz audio and color bar signal to EUT.
- 5.5 The photos of conducted test configuration, please refer to appendix A.**

6 LIMIT OF CONDUCTED POWER LINE EMISSION CLASS B

Frequency Range	Quasi Peak	Average
0.15 ~ 0.5 MHz	66 - 56 dBuV	56 - 46 dBuV
0.5 ~ 5 MHz	56 dBuV	46 dBuV
5 ~ 30 MHz	60 dBuV	50 dBuV

6.1 In the above table, the tighter limit applies at the band edges.

7 RESULT OF CONDUCTED POWER LINE TEST

- 7.1 The frequency range from 0.15 MHz to 30 MHz was investigated. All readings are quasi-peak values and average.
- 7.2 IF bandwidth : 9 kHz, Meas Time : 1 sec.
- 7.3 Temperature : 27 , Humidity : 60 % RH.
- 7.4 Deviations from the test standards and rules : None
- 7.5 The conducted test result were gained by following procedures :
Level = Reading Level + Insertion Loss of LISN + Cable Loss
(All calculation were done by ESHS30 EMI test receiver.)
- 7.6 The conducted test result were gained by following procedures :
Level = Reading Level + Insertion Loss of LISN + Cable Loss
(All calculation were done by ESHS30 EMI test receiver.)
- 7.7 Result : **PASSED**



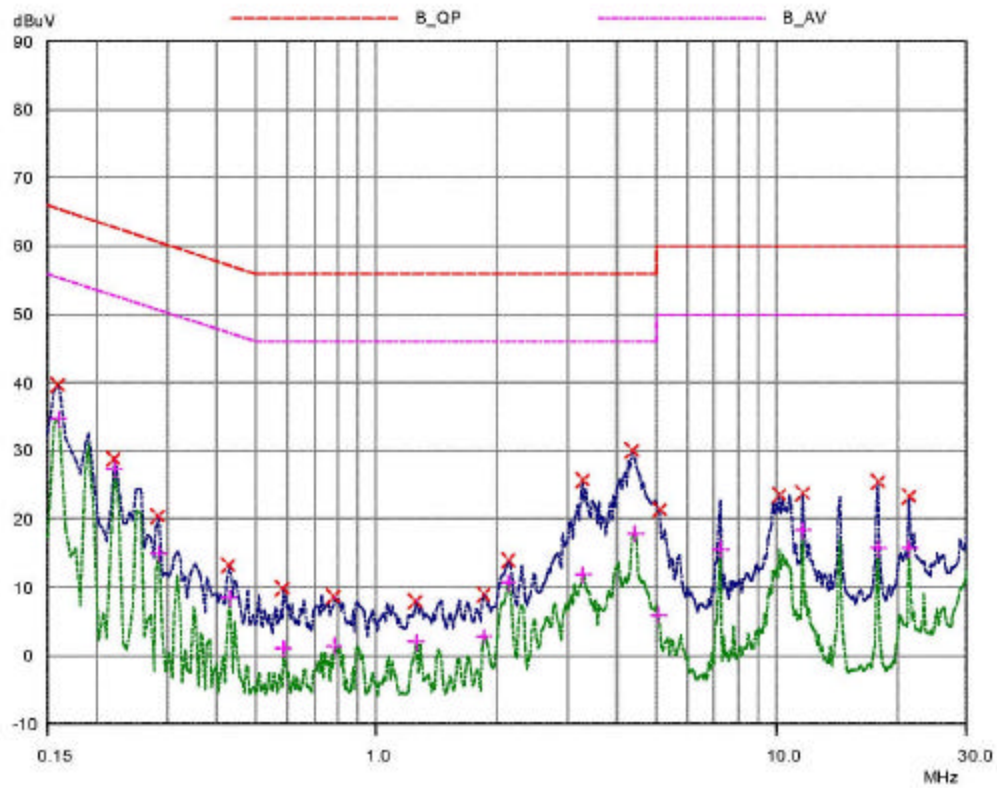
HomeTek EMC LAB. TEL :886-2-22608375

27 Mar 2004 18:17

CONDUCTED EMISSIONS

EUT: Video Distributor & Amplifier
Manuf: 3C030
Op Cond: LINE 1
Operator: ALBERT
Test Spec: FOR CISPR22 CLASS B
Comment: 110V/60Hz
CD816A
Result File: 3c03011b.dat : CD816A

Prescan Measurement: Detectors: X PK / + AV
Meas Time: see scan settings
Subranges: 16
Acc Margin: 55 dB





HomeTek EMC LAB. TEL :886-2-22608375

27 Mar 2004 18:17

CONDUCTED EMISSIONS

EUT: Video Distributor & Amplifier
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 Comment: 110V/60Hz
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 Result File: 3c03011b.dat : CD816A

Prescan Measurement: Detectors: X PK / + AV
 Meas Time: see scan settings
 Subranges: 16
 Acc Margin: 55 dB

Peak Search Results

Frequency MHz	PK Level dBuV	PK Limit dBuV	PK Delta dB
0.16	39.76	65.46	25.70
0.22	28.91	62.82	33.91
0.285	20.37	60.67	40.30
0.425	13.33	57.35	44.02
0.585	9.99	56.00	46.01
0.785	8.61	56.00	47.39
1.255	8.06	56.00	47.94
1.855	9.03	56.00	46.97
2.14	14.02	56.00	41.98
3.275	25.73	56.00	30.27
4.345	30.15	56.00	25.85
5.07	21.34	60.00	38.66
10.17	23.61	60.00	36.39
11.64	23.77	60.00	36.23
17.85	25.61	60.00	34.39
21.46	23.32	60.00	36.68

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB
0.16	34.68	55.46	20.78
0.22	27.23	52.82	25.59
0.285	15.02	50.67	35.65
0.425	8.47	47.35	38.88
0.585	1.09	46.00	44.91
0.785	1.44	46.00	44.56
1.26	2.00	46.00	44.00
1.855	2.81	46.00	43.19
2.125	10.67	46.00	35.33
3.275	11.88	46.00	34.12
4.41	17.94	46.00	28.06
5.04	6.00	50.00	44.00
7.19	15.64	50.00	34.36
11.64	18.33	50.00	31.67
17.85	15.71	50.00	34.29
21.46	15.72	50.00	34.28

* limit exceeded



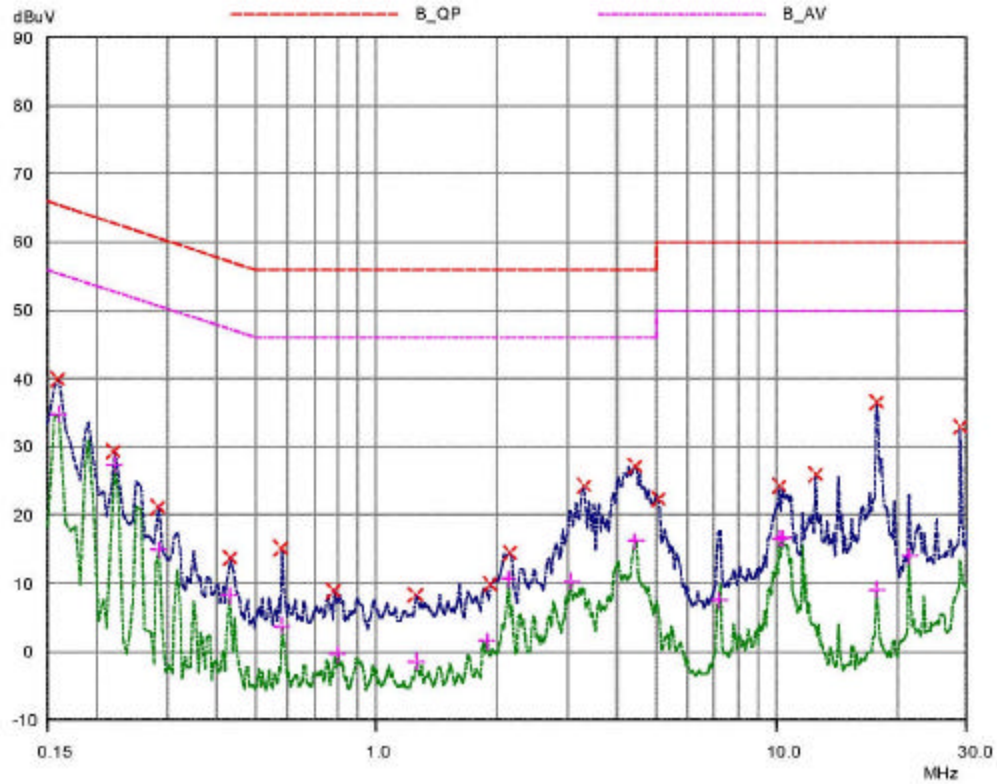
HomeTek EMC LAB. TEL :886-2-22608375

27 Mar 2004 18:28

CONDUCTED EMISSIONS

EUT: Video Distributor & Amplifier
Manuf: 3C030
Op Cond: LINE 2
Operator: ALBERT
Test Spec: FOR CISPR22 CLASS B
Comment: 110V/60Hz
CD816A
Result File: 3c03021b.dat : CD816A

Prescan Measurement: Detectors: X PK / + AV
Meas Time: see scan settings
Subranges: 16
Acc Margin: 55 dB





HomeTek EMC LAB. TEL :886-2-22608375

27 Mar 2004 18:28

CONDUCTED EMISSIONS

EUT: Video Distributor & Amplifier
 Manuf: 3C030
 Op Cond: LINE 2
 Operator: ALBERT
 Test Spec: FOR CISPR22 CLASS B
 Comment: 110V/60Hz
 CD816A
 Result File: 3c03021b.dat : CD816A

Prescan Measurement: Detectors: X PK / + AV
 Meas Time: see scan settings
 Subranges: 16
 Acc Margin: 55 dB

Peak Search Results

Frequency MHz	PK Level dBuV	PK Limit dBuV	PK Delta dB
0.16	40.02	65.46	25.44
0.22	29.42	62.82	33.40
0.285	21.21	60.67	39.46
0.43	13.83	57.25	43.42
0.58	15.18	56.00	40.82
0.785	8.99	56.00	47.01
1.255	8.34	56.00	47.66
1.92	9.87	56.00	46.13
2.15	14.46	56.00	41.55
3.305	24.41	56.00	31.59
4.41	27.21	56.00	28.79
5.04	22.45	60.00	37.55
10.14	24.28	60.00	35.72
12.52	26.11	60.00	33.89
17.82	36.54	60.00	23.46
28.68	32.91	60.00	27.09

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB
0.16	34.86	55.46	20.60
0.22	27.44	52.82	25.38
0.285	14.96	50.67	35.72
0.425	8.26	47.35	39.09
0.58	3.85	46.00	42.15
0.8	-0.41	46.00	46.41
1.255	-1.41	46.00	47.41
1.89	1.54	46.00	44.46
2.14	10.67	46.00	35.33
3.055	10.29	46.00	35.71
4.41	16.22	46.00	29.78
7.14	7.61	50.00	42.39
10.17	16.53	50.00	33.47
10.36	16.85	50.00	33.35
17.82	9.12	50.00	40.88
21.46	14.00	50.00	36.00

* limit exceeded



RADIATED EMISSION TEST

1 TEST INSTRUMENTS & FACILITIES

The following test Instruments was used during the radiated emission test :

Item	Instruments /facilities	Specification	Manufacturer	Model # / S/N#	Date of Cal.
1	OPEN AREA TEST SITE	<input checked="" type="checkbox"/> OATS 3			JUL/2003
2	EMI TEST RECEIVER	20Hz ~ 26.5GHz	ROHDE & SCHWARZ	ESMI 845442/006	JAN/2004
3	PRE-AMPLIFIER	9KHz ~ 3000MHz	ADVANTEST	BB525C 90081001	OCT/2003
4	ANTENNA (BI-LOG)	25MHz ~ 2GHz	SCHAFFNER	CBL6112B S/N : 2611	MAY/2003
5	ANTENNA (DIPOLE)	30 ~ 300MHz	ROHDE & SCHWARZ	HZ-12 842899/0008	JUL/2003
6	ANTENNA (DIPOLE)	300 ~ 1000MHz	ROHDE & SCHWARZ	HZ-13 842007/0004	JUL/2003
7	Attenuation	50 /10dB	Mini-Circuit	NAT-10 AT-001	JUL/2003
8	Cable	10m	SUHNER	RG214/U OS3-003	DEC/2003
9	Cable	14m	BELDEN	9913 OS3-001	DEC/2003
10	EMI 32 (software)	N/A	AUDIX	19991013-0923	N/A

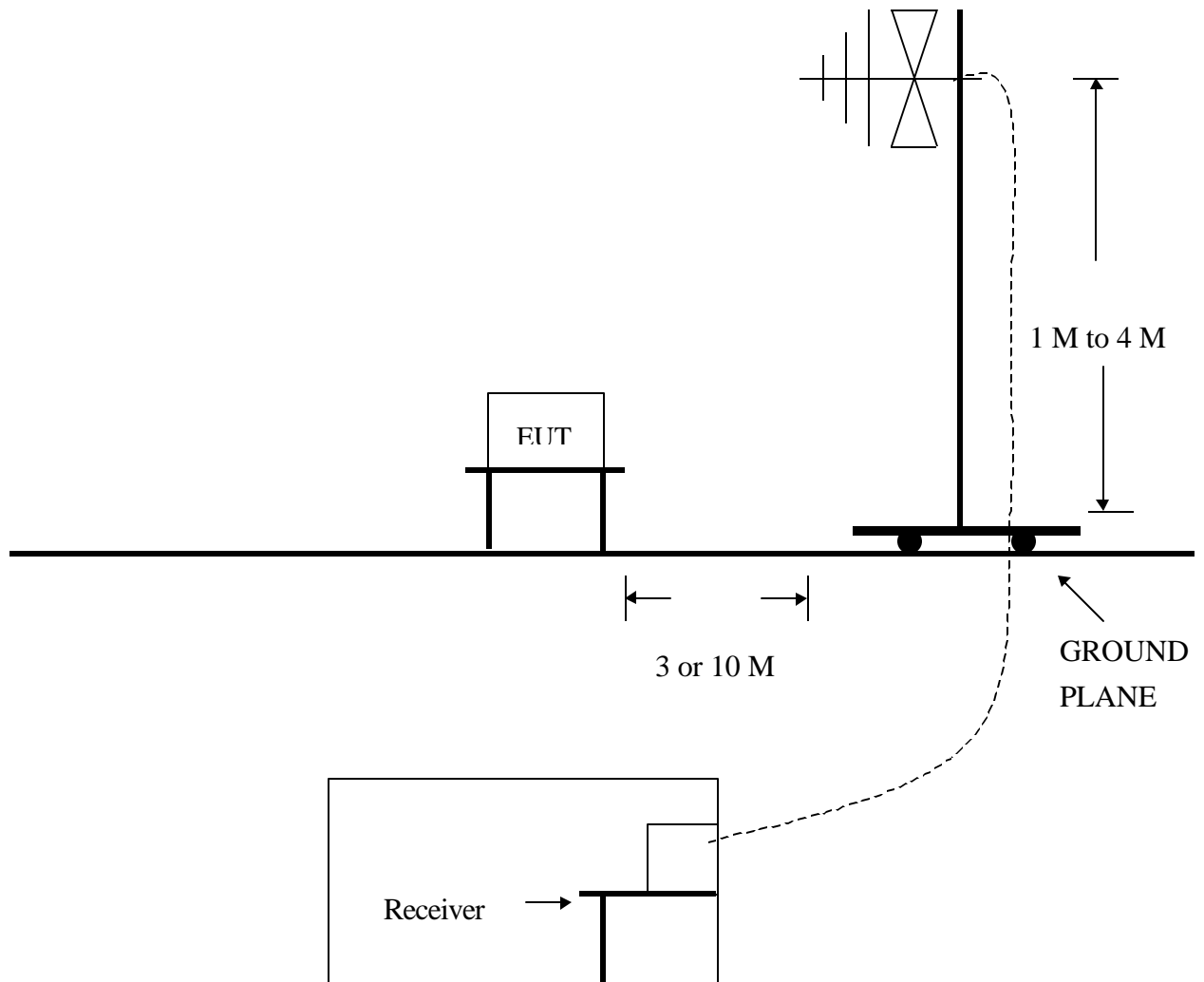
Note : Items 1 ~ 9 were calibrated within period of 1 year.

2 TEST PROCEDURE

- 2.1 The EUT was test according to **ANSI C63.4 - 2001 & CISPR 22**.
- 2.2 The radiated test was performed at HomeTek Lab' s Open Site III.
- 2.3 The frequency range from 30 MHz to 1 GHz, the measurement were made at 10 meters, with a BI-log antenna.

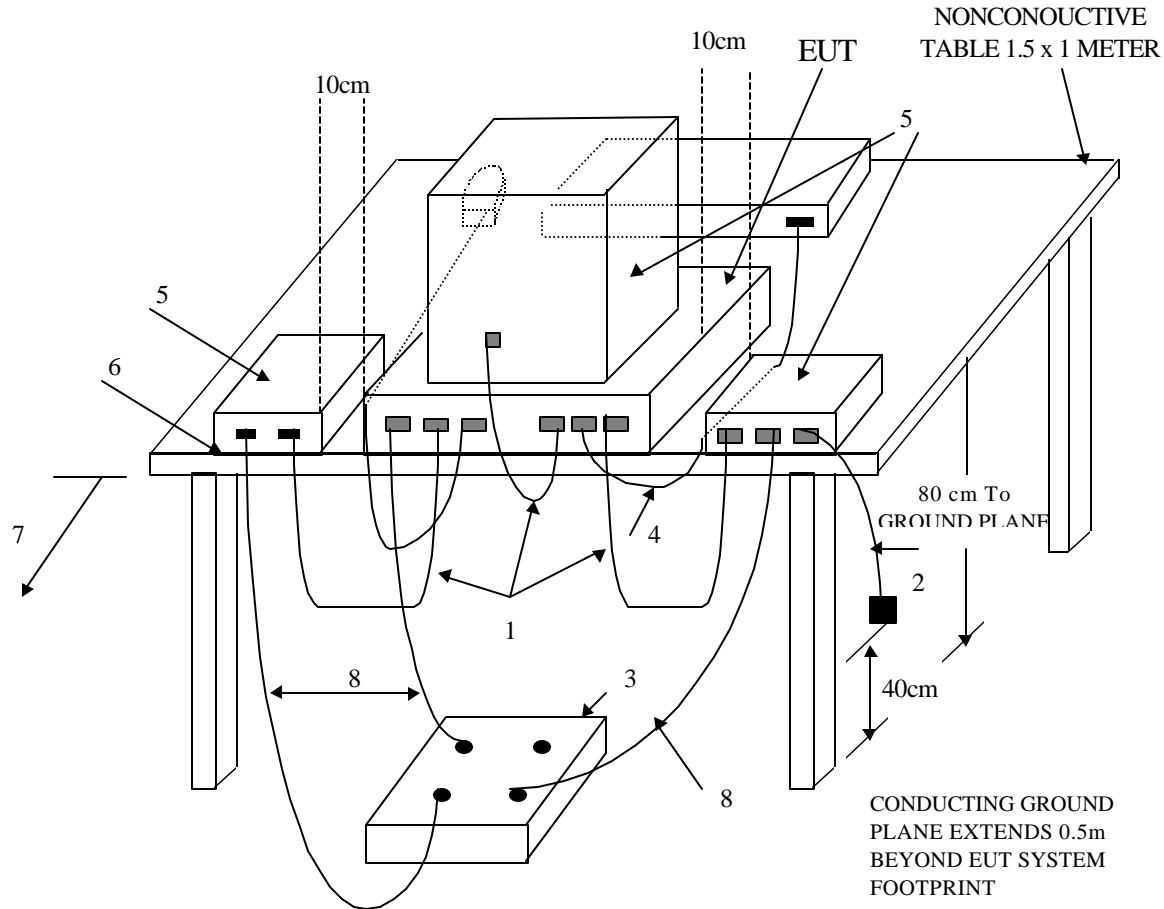
3 TEST SETUP

3.1 TEST SETUP OF OPEN SITE.



3.2 TEST SETUP OF EUT

ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9kHz TO 40 GHz ANSI C63.4-2001



(Details for setup configuration, please refer to appendix A.)

LEGEND:

1. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth forming a bundle 30 to 40 cm long, hanging approximately in the middle between ground plane and table.
2. I/O cables that are connected to a peripheral shall be bundled in center. The end of the cable may be terminated if required using correct terminating impedance. The total length shall not exceed 1m.
3. If LISNs are kept in the test setup for radiated emissions, it is preferred that they be installed under the ground plane with the receptacle flush with the ground plane.
4. Cables of hand-operated devices, such as keyboards, mice, etc., have to be placed as close as possible to the controller.
5. Non-EUT components of EUT system being tested.
6. The rear of all components of the system under test shall be located flush with the rear of the table.
7. No vertical conducting wall used.
8. Power cords drape to the floor and are routed over to receptacle.

**Test Configuration
Tabletop Equipment Radiated Emission**



4 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

5 EUT OPERATING CONDITION

5.1 Same as “Conducted Power Line test”, section 5

5.2 The radiated emission in the frequency range from 30 MHz - 1000 MHz was test in a horizontal and vertical polarization at HomeTek Lab’ s open site III.

5.3 The photos of radiated test configuration, please refer to appendix A.

6 LIMIT OF RADIATED EMISSION CLASS B

CISPR 22

Frequency (MHz)	Measurement Distance	Limit (dBuV/m)
30 - 230	10 (M)	30
230 - 1000	10 (M)	37

6.1 The tighter limit shall apply at the edge between two frequency bands.

6.2 Measurement distance in meters between the measuring instrument antenna and the closed point of any part of the EUT or peripherals.



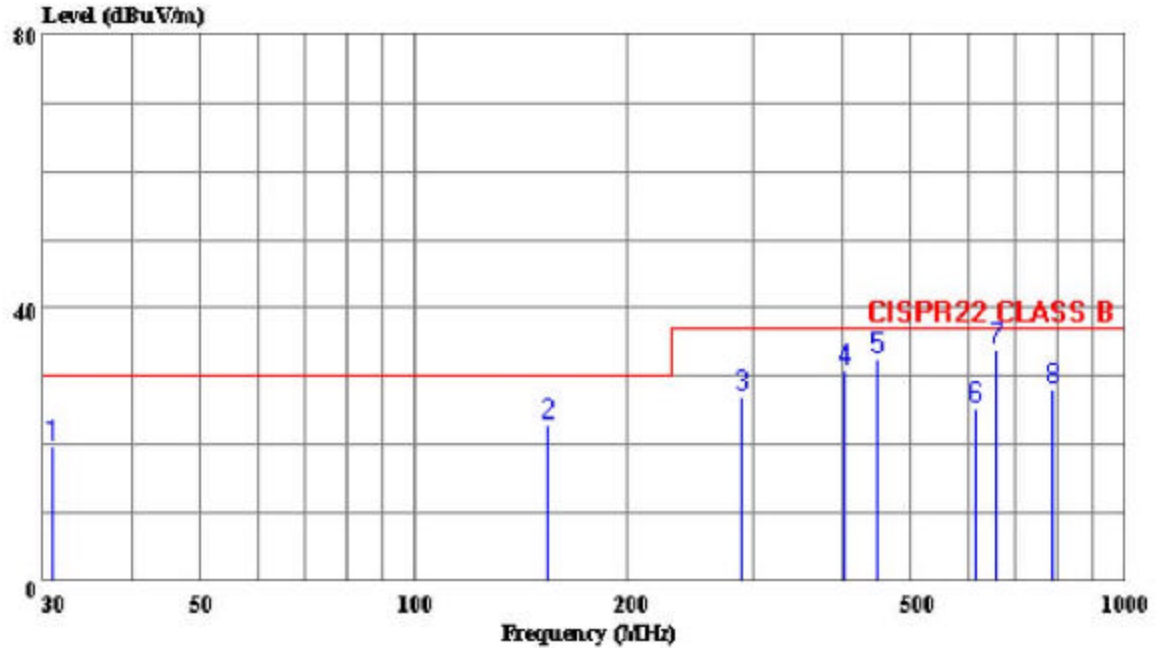
7 RESULT OF RADIATED EMISSION TEST

- 7.1 The frequency range from 30 MHz to 1 GHz was investigated.
- 7.2 All readings below or equal 1 GHz are quasi-peak or peak values with resolution bandwidth of 120 KHz.
- 7.3 All readings above 1 GHz are average or peak values with resolution bandwidth of 1 MHz
- 7.4 The measurements were made at 10 meters of HomeTek Lab' s open site III.
- 7.5 Temperature : 33 , Humidity : 55 % RH.
- 7.6 Deviation form the test standards and rules : None
- 7.7 The radiation emission result were gained by the following method :
Level = Reading Level + Probe Factor (Antenna Factor) + Cable Loss – Preamp Factor
Over Limit = Level – Limit Line
- 7.8 The radiated mission test was passed at minimum margin :
Vertical 831.54 MHz/ 34.52 dBuV/m, Antenna Height 2 Meter,
Turn Table 180 degree, Model : CD816A .
- 7.1 Result : **PASSED**



Data#: 2 File#: 3C030.EMI

Date: 2004-03-29 Time: 17:26:16



Trace:

Ref Trace:

Condition: CISPR22 CLASS B 10m CHASE 2611 052703 HORIZONTAL
cut : Video Distributor & Amplifier
power: 110V/60Hz
memo : CD816A ALL CABLE

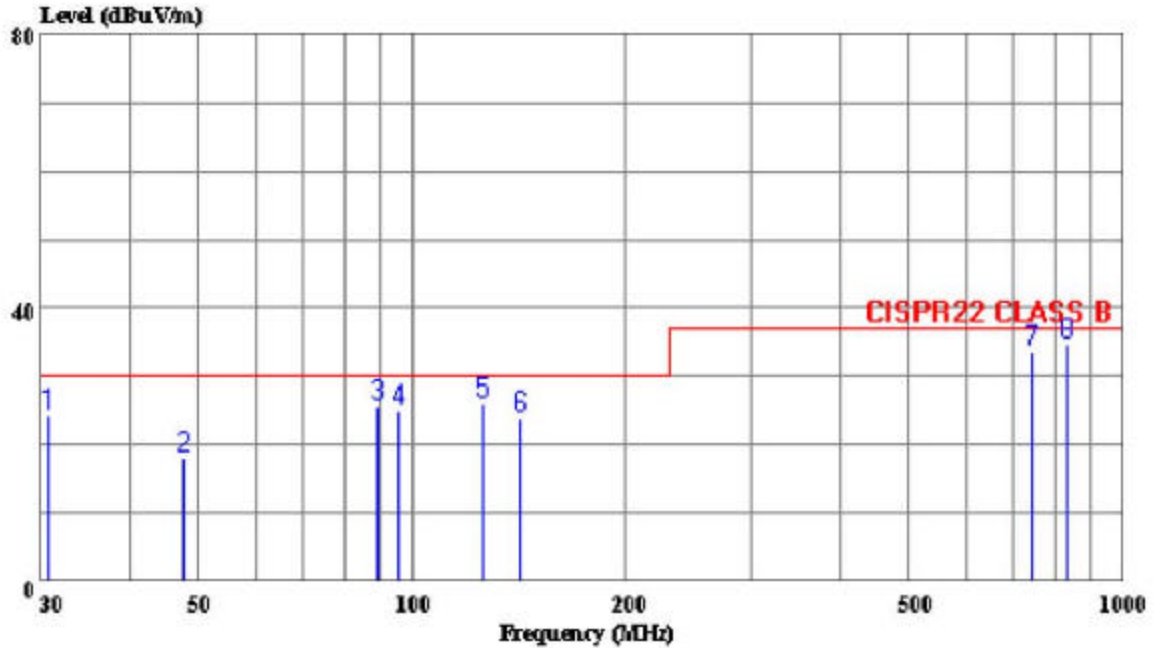
Page: 1

	Freq	Level	Limit	Over	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Remark
				dB	dBuV	dB	dB	
1	30.950	19.85	30.00	-10.15	30.00	0.84	28.20	Peak
2	154.320	22.80	30.00	-7.20	40.00	1.74	28.04	Peak
3	289.110	27.01	37.00	-9.99	40.00	2.39	27.76	Peak
4	403.150	30.70	37.00	-6.30	40.00	2.88	27.70	Peak
5	449.230	32.50	37.00	-4.50	41.00	3.07	27.47	Peak
6	615.389	25.37	37.00	-11.63	30.00	3.73	26.73	Peak
7	659.230	34.03	37.00	-2.97	38.00	3.86	26.58	Peak
8	790.320	27.88	37.00	-9.12	30.00	4.42	26.24	Peak



Data#: 1 File#: 3C030.EMI

Date: 2004-03-29 Time: 17:24:16



Trace:

Ref Trace:

Condition: CISPR22 CLASS B 10m CHASE 2611 052703 VERTICAL
cut : Video Distributor & Amplifier
power: 110V/60Hz
memo : CD816A ALL CABLE

Page: 1

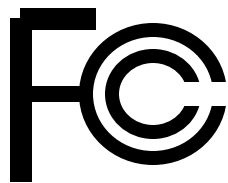
Freq	Level	Limit	Over	ReadAntenna	Cable	Preamp	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB
1	30.590	24.17	30.00	-5.83	34.00	17.54	0.83 28.20 Peak
2	47.690	17.94	30.00	-12.06	37.00	8.07	1.07 28.20 Peak
3	88.970	25.68	30.00	-4.32	44.00	8.50	1.39 28.21 Peak
4	95.630	24.78	30.00	-5.22	42.00	9.55	1.44 28.21 Peak
5	125.320	26.14	30.00	-3.86	41.00	11.68	1.60 28.13 Peak
6	141.970	23.85	30.00	-6.15	40.00	10.25	1.68 28.08 Peak
7	745.260	33.52	37.00	-3.48	36.00	19.64	4.21 26.34 Peak
8	831.540	34.52	37.00	-2.48	36.00	20.00	4.55 26.03 Peak



SAMPLE OF FCC DoC LABEL 1

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1)
This device may not cause harmful interference. And (2)
this device must accept any interference received, including
interference that may cause undesired operation.

SAMPLE OF FCC DoC LABEL 2



Trade Name
Model Number



HomeTek Technology Inc.

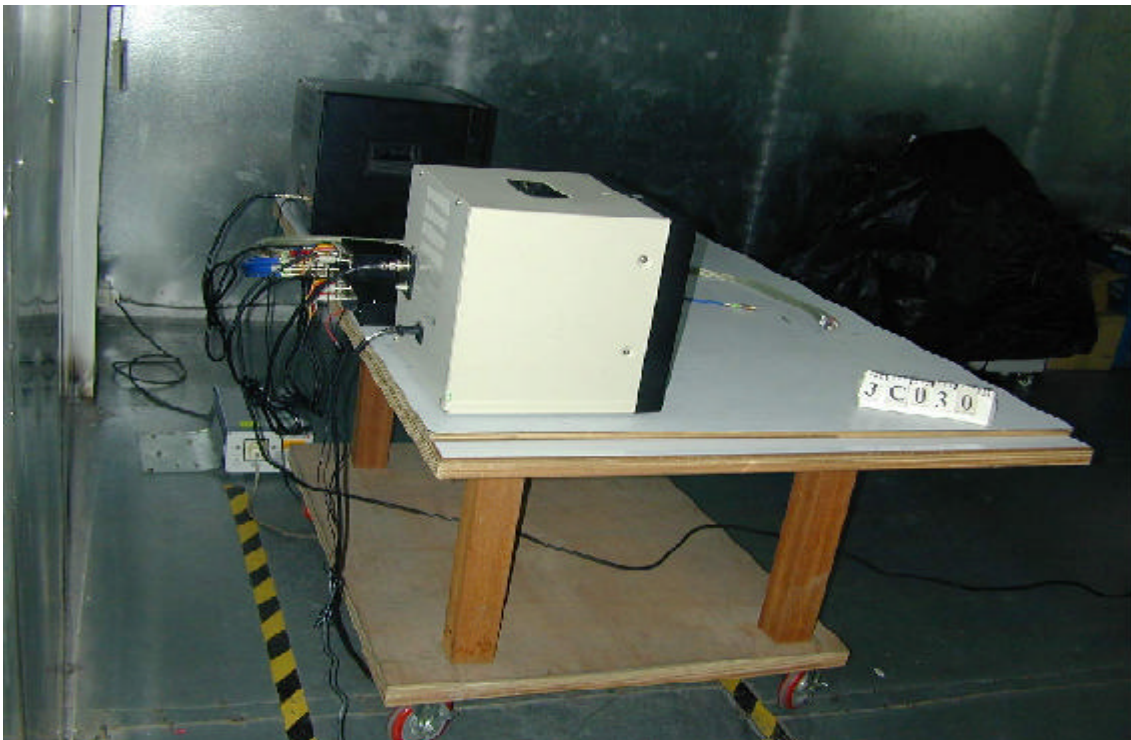
Appendix A
PHOTOS OF TEST CONFIGURATION

PHOTO OF CONDUCTED POWER LINE TEST

Model: CD816A



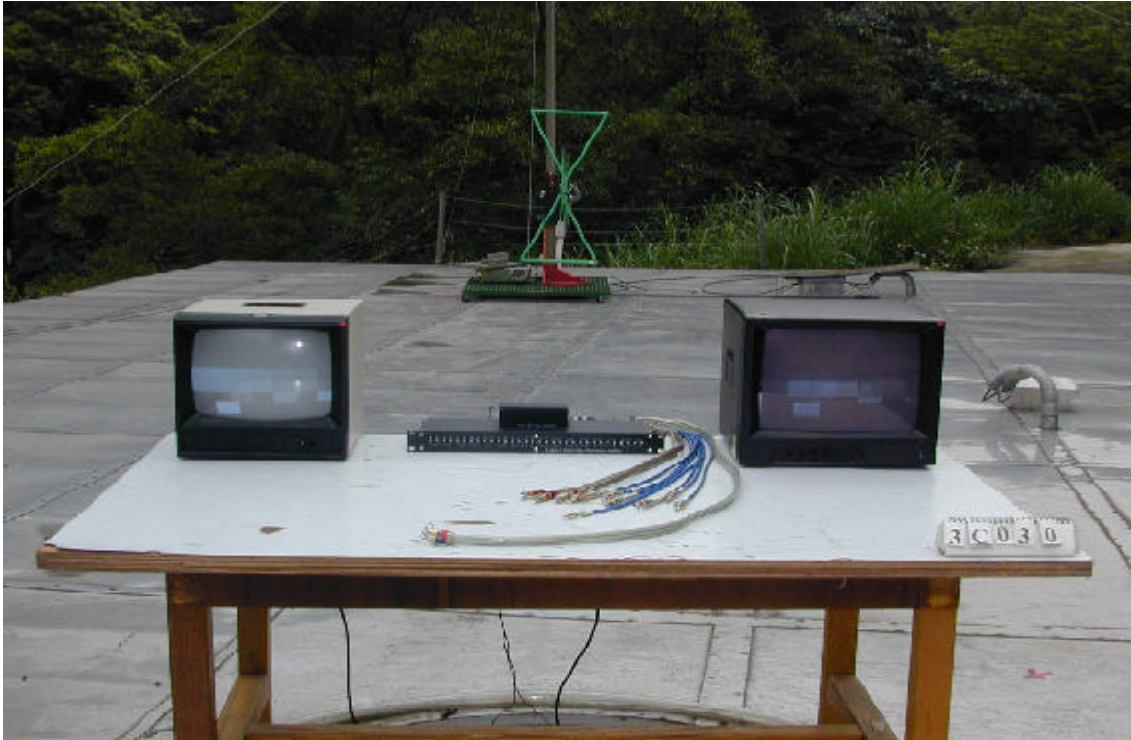
Front View



Rear View

PHOTO OF RADIATED EMISSION TEST

Model: CD816A



Front View



Rear View



HomeTek Technology Inc.

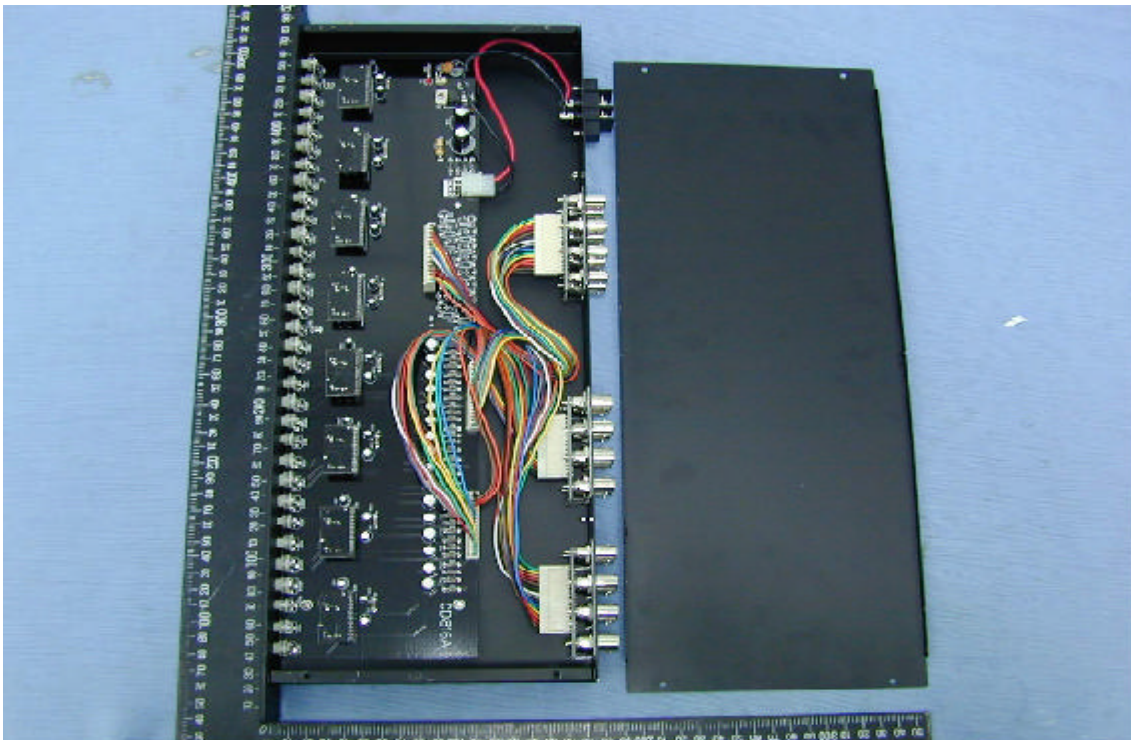
Appendix B
PHOTOS OF EUT

PHOTO OF EUT

Model : CD816A



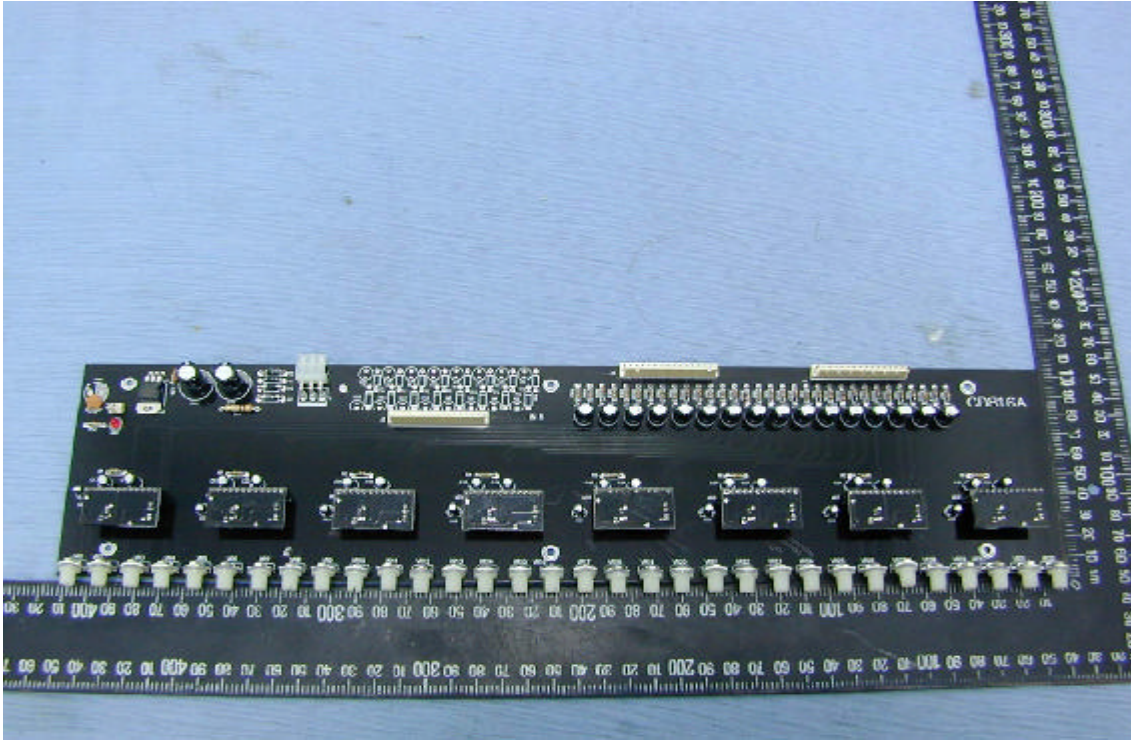
Full View of EUT



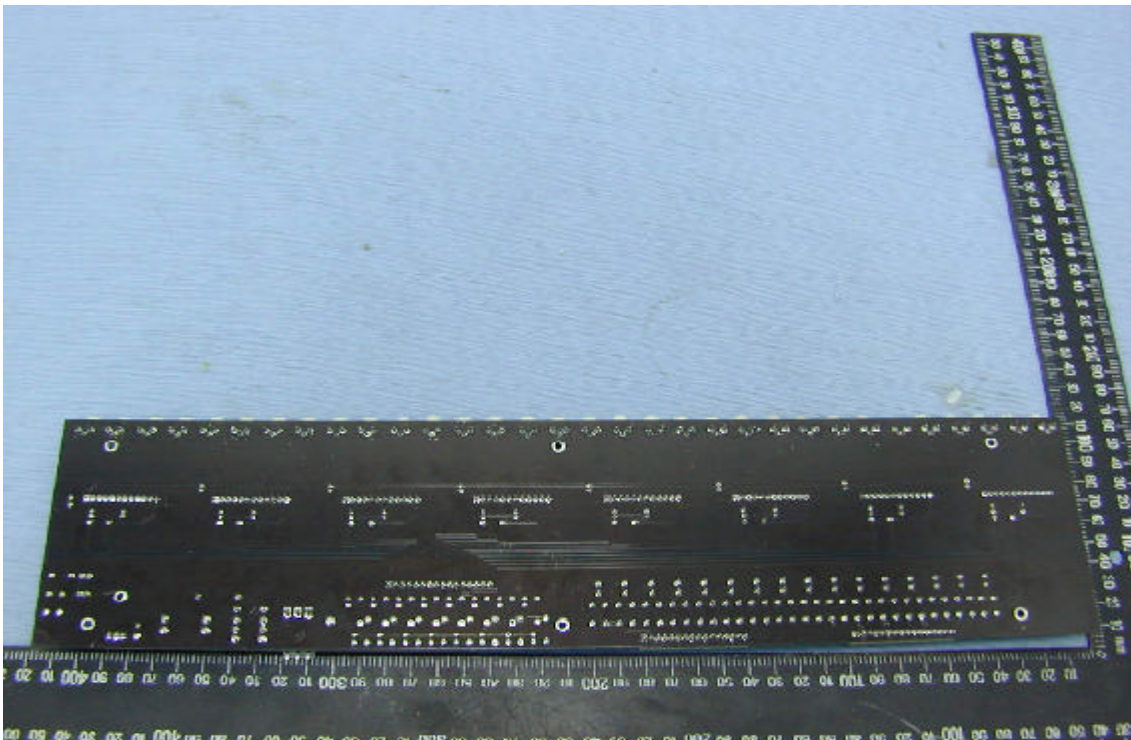
Inside View of EUT

PHOTO OF EUT

Model : CD816A



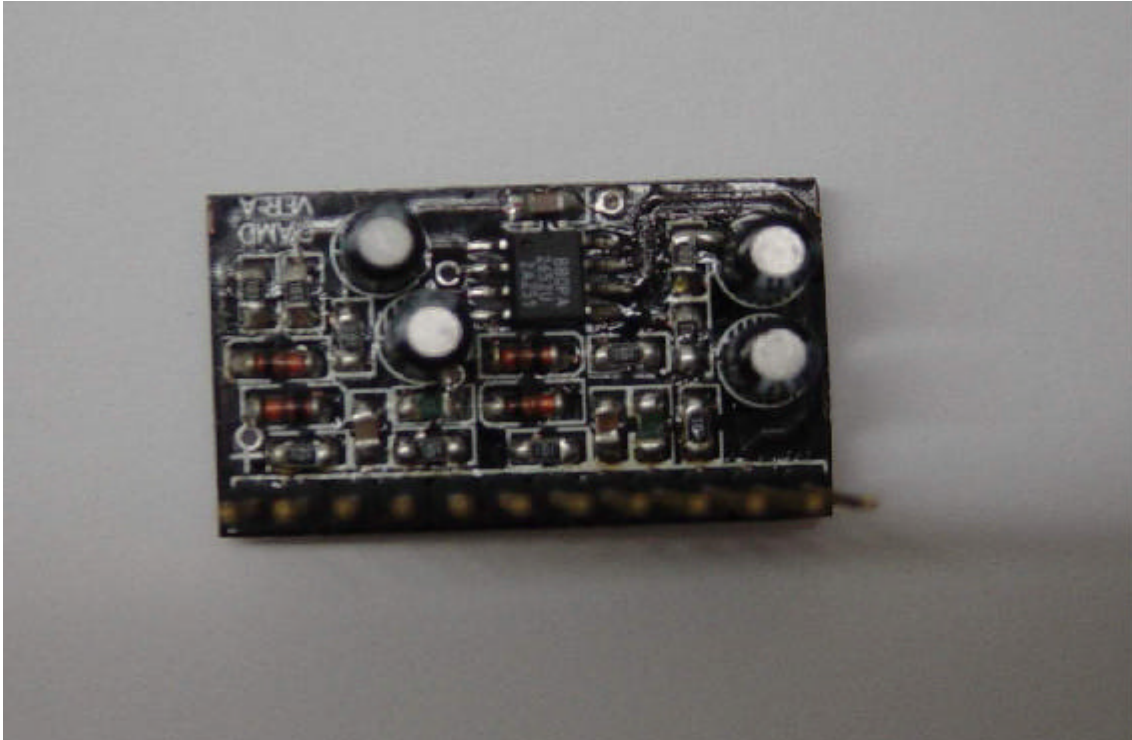
Component Side of Main Board - 1



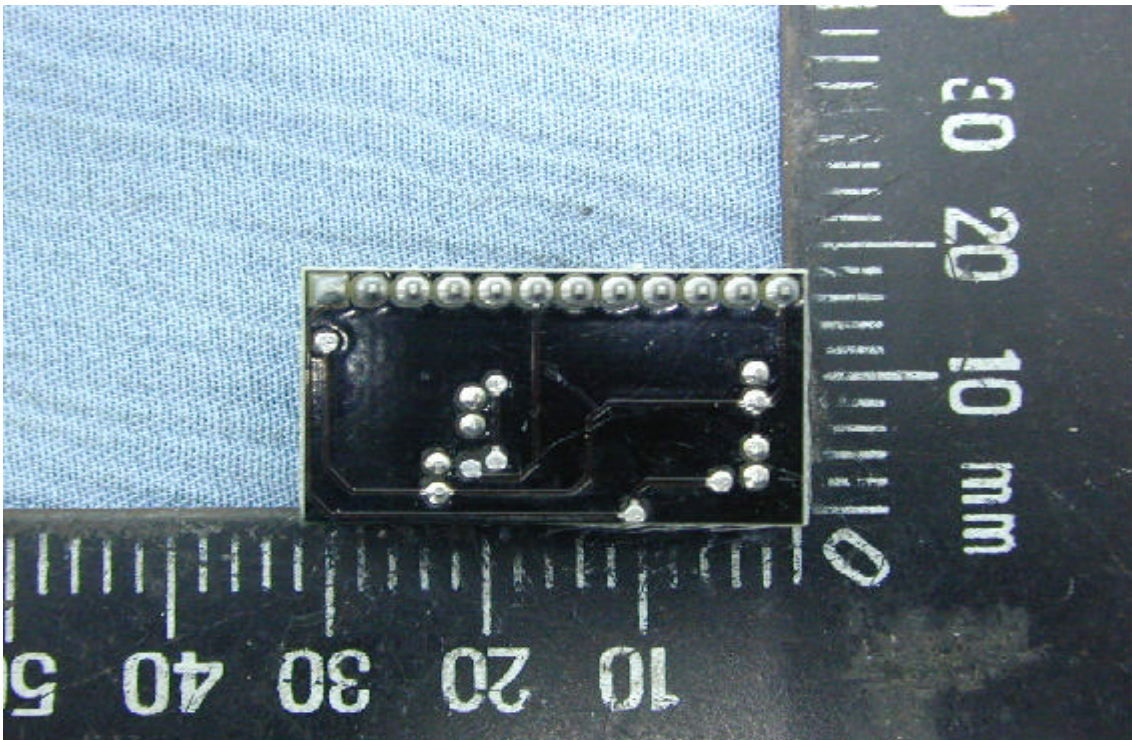
Solder Side of Main Board - 1

PHOTO OF EUT

Model : CD816A



Component Side of Main Board - 2



Solder Side of Main Board - 2

PHOTO OF EUT

Model : CD816A



Front View of Adaptor



Rear View of Adaptor

Declaration of Conformity

Responsible Party Name :

Address :

Phone No :

Fax No :

Declares under our sole responsibility that the product

Product Name : Video Distributor & Amplifier

Model No. : CD816XXX

to which this declaration relates is in conformity with the following standards or other normative documents

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person' s Name : _____

Signature : _____

Date : _____

United States Department of Commerce
National Institute of Standards and Technology

NVLAP[®]



ISO/IEC 17025:1999
ISO 9002:1994

Certificate of Accreditation

HOMETEK TECHNOLOGY INC.

TAIPEI SHIEN 236
TAIWAN

*is recognized by the National Voluntary Laboratory Accreditation Program
for satisfactory compliance with criteria set forth in NIST Handbook 150:2001,
all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:*

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

September 30, 2004

Effective through

For the National Institute of Standards and Technology
NVLAP Lab Code: 200331-0

Scope of Accreditation



ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

NVLAP LAB CODE 200331-0

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E-Mail: hometek@ms15.hinet.net

NVLAP Code Designation / Description

Emissions Test Methods:

12/CIS22	IEC/CISPR 22 (1997) and EN 55022 (1998): Limits and methods of measurement of radio disturbance characteristics of information technology equipment
12/CIS22a	IEC/CISPR 22 (1993): Limits and methods of measurement of radio disturbance characteristics of information technology equipment, Amendment 1:1995, and Amendment 2:1996.
12/CIS22b	CNS 13438 (1997): Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment
12/FCC15b	ANSI C63.4 (2001) with FCC Method - 47 CFR Part 15, Subpart B: Unintentional Radiators
12/T51	AS/NZS CISPR 22 (2002) and AS/NZS 3548 (1997): Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment

September 30, 2004

Effective through

For the National Institute of Standards and Technology