



HomeTek Technology Inc.

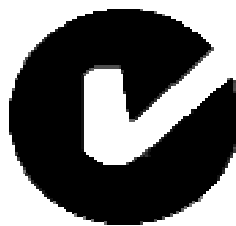
ADDRESS: No. 67-9, Shir Men Road, Tu Cheng City,  
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NVLAP Lab Code:200331-0

# EMI TEST REPORT FOR

APPLICANT : SMART CABLING & TRANSMISSION CORP.  
ADDRESS : 10F, No. 493, Chung-Cheng Rd.,  
Hsin Tien City, Taipei 231, Taiwan, R. O. C.  
EUT : CAT5 AV Multimedia Transmission  
MODEL NO. : TTPXXCVB



## MEASUREMENT PROCEDURE USED

AS/NZS CISPR 22: 2004 Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement

PREPARED BY :  
HomeTek Technology Inc.  
No. 67-9, Shir Men Road, Tu Cheng City,  
Taipei Hsien. Taiwan  
Report # : AS5F023



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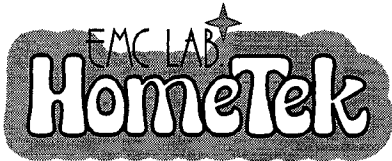
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**APPENDIX A**

PHOTOS OF TEST CONFIGURATION

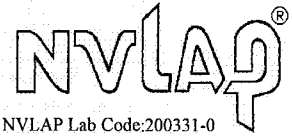
**APPENDIX B**

PHOTOS OF EUT



HomeTek Technology Inc.

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# CERTIFICATE

APPLICANT : SMART CABLING & TRANSMISSION CORP.  
ADDRESS : 10F, No. 493, Chung-Cheng Rd.,  
Hsin Tien City, Taipei 231, Taiwan, R. O. C.  
Receipt Date : 06/15/2006 Final Test Date: 06/22/2006  
EUT : CAT5 AV Multimedia Transmission  
MODEL NO. : TTPXXCVB

## MEASUREMENT PROCEDURE USED :

AS/NZS CISPR 22: 2004 Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement

- 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.

APPROVED BY :

Albert Tsai 06/28/2006  
ALBERT TSAI / Senior Engineer

## GENERAL INFORMATION

- 1 APPLICANT : SMART CABLING & TRANSMISSION CORP.
- 2 ADDRESS : 10F, No. 493, Chung-Cheng Rd.,  
Hsin Tien City, Taipei 231, Taiwan, R. O. C.
- 3 MANUFACTURER : SMART CABLING & TRANSMISSION CORP.
- 4 ADDRESS : 10F, No. 493, Chung-Cheng Rd.,  
Hsin Tien City, Taipei 231, Taiwan, R. O. C.
- 5 DESCRIPTION OF EUT :
- EUT : CAT5 AV Multimedia Transmission
- Model Number : TTPXXXCVB
- Serial # : N/A

5.1 The difference between series of models TTPXXXCVB are as shown below:

T T P X X X C V B

- (1) The first and second “X” represent different system input.
- (2) The latter “X” represent different accessory.

The PCB layout is similar. The worst case of model is TTP111CVB, and the final test data were shown in this test report.

- 6 FEATURES OF EUT :

**Please refer to user manual or product specification.**



## **MODIFICATION LIST**

THE FOLLOWING ACCESSORIES WERE ADDED TO THE EUT DURING TESTING :

NO MODIFICATION BY HOMETEK TECHNOLOGY INC.

## **CONDUCTED POWER LINE TEST**

### **1 TEST PROCEDURE**

According to **AS/NZS CISPR 22**.

### **2 RESULT OF CONDUCTED EMISSION TEST**

N/A (Conducted Power Line Test is not applicable to this EUT ( Model : TTP111CVB)).

## 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/2005     |
| 2    | EMI TEST RECEIVER       | 20Hz ~ 26.5GHz                             | ROHDE & SCHWARZ | ESMI<br>845442/006     | FEB/2006     |
| 3    | PRE-AMPLIFIER           | 9KHz ~ 3000MHz                             | ADVANTEST       | BB525C<br>90081001     | OCT/2005     |
| 4    | ANTENNA (BI-LOG)        | 25MHz ~ 2GHz                               | SCHAFFNER       | CBL6112B<br>S/N : 2614 | JUN/2006     |
| 5    | Attenuation             | 50Ω/6dB                                    | JYE BAO         | FAT-N (M-F)<br>001     | JUL/2005     |
| 6    | Ferrite Clamp           | 30 ~ 1000MHz                               | ADT             | FC18<br>910030         | DEC/2005     |
| 7    | Ferrite Clamp           | 30 ~ 1000MHz                               | HomeTek         | HFC<br>001             | DEC/2005     |
| 8    | Cable                   | 10m  | SUHNER          | RG214/U<br>OS3-003     | DEC/2005     |
| 9    | Cable                   | 14m  | BELDEN          | 9913<br>OS3-001        | DEC/2005     |
| 10   | EMI 32 (software)       | N/A  | AUDIX           | 19991013-0923          | N/A          |

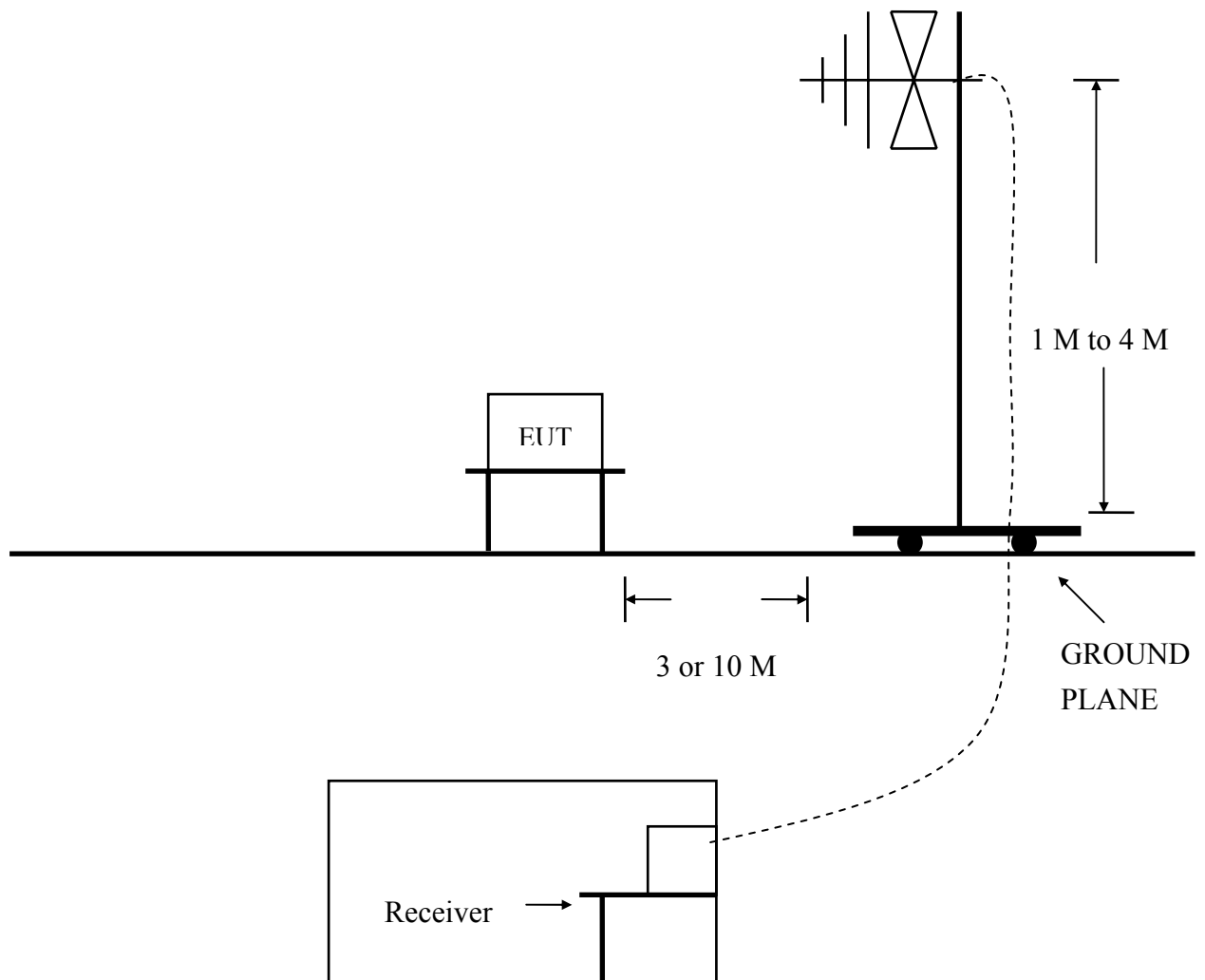
Note : Items 1 ~ 9 were calibrated within period of 1 year.

## 2 TEST PROCEDURE

- 2.1 The EUT was test according to **AS/NZS 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.

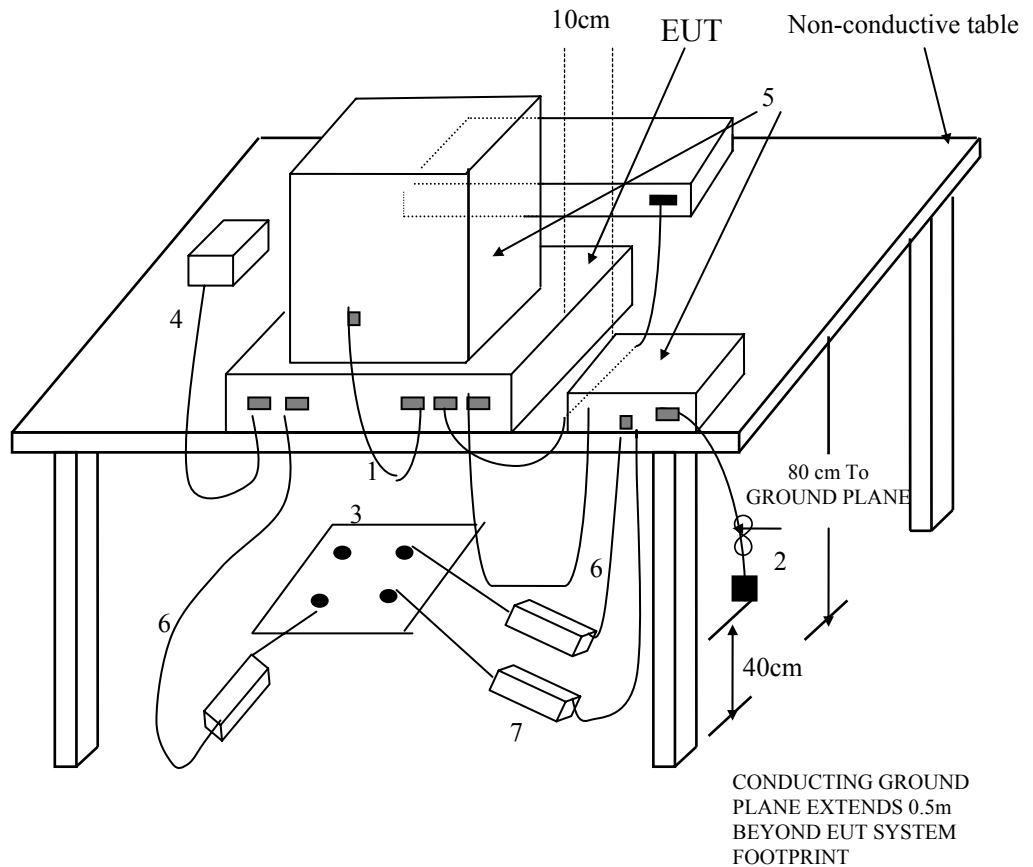
## 3 TEST SETUP

### 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 AS  
 NZS CISPR 22



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

**LEGEND:**

1. If cables, which hang closer than 40 cm to the horizontal metal ground plane cannot be shortened to the appropriate length, the excess shall be folded back and forth forming a bundle 30 cm to 40 cm long.
2. The end of I/O signal cables which are not connected to a peripheral may be terminated, if required for proper operation using correct terminating impedance.
3. Mains junction box(es) shall be flush with, and bonded directly to, the metal ground plane.  
 NOTE if used, the AMN shall be installed under the horizontal metal ground plane.
4. Cables of hand-operated devices such as keyboards, mouses, etc. shall be placed as for normal usage.
5. Peripherals shall be placed at a distance of 10 cm from each other and from the controller, except for the monitor which, if for an acceptable installation practice, shall be placed directly on top of the controller.
6. Mains cables, telephone lines or other connections to auxiliary equipment located outside the test area shall drape to the floor, be fitted with ferrite clamps or ferrite tubes placed on the floor at the point where the cable reaches the floor and then routed to the place where they leave the turntable. No extension cords shall be used to mains receptacle.
7. Ferrite clamps or ferrite tubes with similar characteristics (as defined in 10.4). No more than one cable per clamp.

**Test Configuration  
 Tabletop Equipment Radiated Emission**





4.1 EUT

EUT Type : Proto Type Engineer Type Mass Production  
Condition when received : Good Damage : \_\_\_\_\_  
Device : CAT5 AV Multimedia Transmission  
Applicant : SMART CABLING & TRANSMISSION CORP.  
Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : TTPXXXCVB  
Serial Number : N/A  
FCC ID : N/A  
RJ-45 Port : Plastics Type Connector  
Video Output Port x 3 : Metal Type Connector  
Power Cord : N/A  
Power Supply Type : N/A

4.2 PERIPHERALS

DV8

Manufacturer : SONY  
Model Number : DCR-PC110  
Serial Number : 1158142  
FCC ID : FCC DoC  
Data Cable : Shielded, 1.8 m, Connected to the coaxial port  
Power Cord : N/A



Video Distribution Amplifier

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : CD1664  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Shielded, 1.0 m, Connected to the coaxial port  
Power Cord : Un-Shielded, 1.8 m

Video Distribution Amplifier

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : CD102  
Serial Number : N/A  
FCC ID : N/A  
Data Cable x 1 : Shielded, 1.8 m, Connected to the Video Output Port  
Power Cord : Un-Shielded, 1.8 m

Video Amplifier

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : CA101  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Shielded, 1.0 m, Connected to the coaxial port  
Power Cord : Un-Shielded, 1.8 m



Video Distribution Amplifier

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : CD408A  
Serial Number : N/A  
FCC ID : N/A  
Data Cable x 2 : Shielded, 1.8 m, Connected to the Video Output Port  
Power Cord : Un-Shielded, 1.8 m

Video Distribution Amplifier

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : CD816  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Shielded, 1.0 m, Connected to the coaxial port  
Power Cord : Un-Shielded, 1.8 m

Power Center

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : PR816  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : N/A  
Power Cord (AC) : Un-Shielded, 1.8 m  
Power Cord (DC) : Un-Shielded, 0.2 m



CAT5 AV Multimedia Transmission

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : TTP111RGB  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Un-Shielded, 1.0 m, Connected to the RJ-45 Port  
Power Cord : N/A

Video Amplifier

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : CA404  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Shielded, 1.0 m, Connected to the coaxial port  
Power Cord : Un-Shielded, 1.8 m

Terminator

Manufacturer : HomeTek  
Model Number : 75Ω  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Shielded, 1.8 m, Connected to the coaxial port  
Power Cord : N/A



TV

Manufacturer : TCL  
Model Number : 1419A  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Shielded, 1.8 m, Connected to the coaxial port  
Power Cord : Un-Shielded, 1.8 m

Video Distributor

Manufacturer : SMART CABLING & TRANSMISSION CORP.  
Model Number : 15-VD14  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : Shielded, 1.8 m, Connected to the coaxial port  
Power Cord : Un-Shielded, 1.8 m

Adapter for CD1664

Manufacturer : YUH NIAN  
Model Number : HPA-501242U3 A3  
Serial Number : N/A  
FCC ID : N/A  
Data Cable : N/A  
Power Cord (AC) : Un-Shielded, 1.8 m  
Power Cord (DC) : Shielded, 1.0 m



Monitor x 2 (Remote Site)

Manufacturer : SMART CABLING & TRANSMISSION CORP.

Model Number : MT14A

Serial Number : N/A

FCC ID : N/A

Data Cable : Shielded, 10 m, Connected to the coaxial port

Power Cord : Un-Shielded, 1.8 m

4.3 REMARK : N/A

## 5 EUT OPERATING CONDITION

- 5.1 The frequency of the EUT is none.
- 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 operation condition of EUT, Please refer to section 4.
- 5.4 Support unit 1 represent Video Distributor(15-VD14).  
Support unit 2 represent CAT5 AV Multimedia Transmission(TTP111RGB).  
Support unit 3 represent Video Distribution Amplifier(CD102).  
Support unit 4 represent Video Distribution Amplifier(CD408A).  
Support unit 5 represent Video Amplifier(CA404).  
Support unit 6 represent Video Amplifier(CA101).  
Support unit 7 represent Video Distribution Amplifier(CD816).  
Support unit 8 represent Video Distribution Amplifier(CD1664).
- 5.5 DV gives color Bar signal to Support unit 1 via Video Port.
- 5.6 Support unit 1 is video distributors with one video input to three video output and transmits the signal to Support unit 2 via three video ports.
- 5.7 Support unit 2 transforms three video signals(input) into CAT 5 signal(output) then Support unit 2 transmits CAT 5 signal to EUT via one CAT 5 UTP cable.
- 5.8 EUT transforms CAT 5 signal(input) into three video signals(output) then EUT transmits video signal to Support unit 3 via one coaxial cable and Support unit 4 via two coaxial cable.
- 5.9 Support unit 3 is video distributors with one video input to two video output and transmits the signal to Support unit 4 via two video ports.
- 5.10 Support unit 4 receives four video signal through EUT and Support unit 3, then it transforms four video signals(input) into eight video signals(output).
- 5.11 Support unit 4 transmits four video signals to Support unit 5 via four coaxial cables.
- 5.12 Support unit 4 transmits one video signal to Support unit 6 via one coaxial cable.
- 5.13 Support unit 4 transmits three video signals to Support unit 7 via three coaxial cables.
- 5.14 Support unit 5 receives four video signals through Support unit 4 then it transmits and amplifies four video signals(input) to Support unit 7 via coaxial cables.
- 5.15 Support unit 6 receives video signal through Support unit 4 then it transmits and amplifies video signal(input) to Support unit 7 via coaxial cable.
- 5.16 Support unit 7 receives video signal through Support unit 4, Support unit 5 and Support unit 6.
- 5.17 Support unit 7 is video distributors with eight video input to sixteen video output and transmits the signals to Support unit 8 via coaxial cables.
- 5.18 Support unit 8 is video distributors with sixteen video inputs to sixty-four video outputs and transmits one signal to TV via coaxial cables and two signals to remote side (two Monitor) via 10m coaxial cable.
- 5.19 TV displays Color Bar.
- 5.20 Thirteen ports of Support unit 8 connects with terminator (75ohm).
- 5.21 The other ports are verified that they are not high incidence of EMC characteristic.
- 5.22 Measure the emission noise.
- 5.23 The photos of radiated test configuration, please refer to appendix A.**

## 6 LIMIT OF RADIATED EMISSION CLASS B

### AS/NZS 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 The measurements were made at 10 meters of HomeTek Lab's open site III.
- 7.4 Temperature : 32 °C, Humidity : 47 % RH.
- 7.5 Uncertainty in radiated emission measurement :  $\pm 4.18\text{dB}$ .
- 7.6 The radiated emission result were gained by the following method :  
 Level = Reading Level + Probe Factor (Antenna Factor) + Cable Loss – Preamp Factor  
 Over Limit = Level – Limit Line
- 7.7 Result : **PASSED**



# 8 RADIATED EMISSION TEST DATA (PAGE 1)

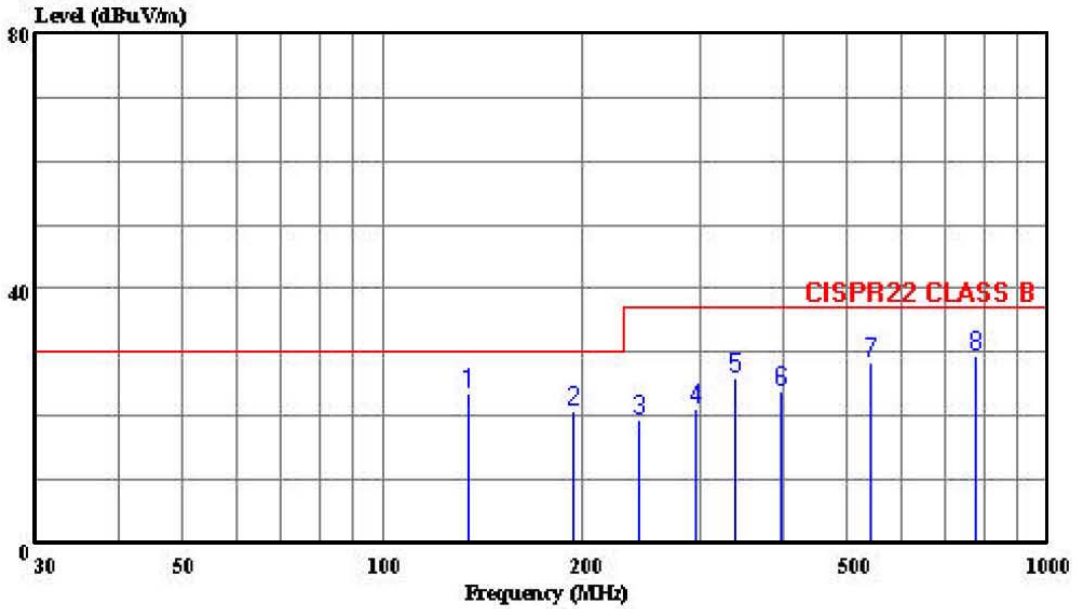


HomeTek Technology Inc.

No 67-9, Shi-Men Rd., Tu-Chen City,  
Taipei County, Taiwan R.O.C.  
Tel: 02-22608375  
Fax: 02-22748013

Data#: 5 File#: 5F023.EMI

Date: 2006-06-22 Time: 09:00:44



Trace:

Ref Trace:

Condition: CISPR22 CLASS B 10m CHASE 2614 060506 HORIZONTAL  
cut : CAT5 AV Multimedia Transmission  
power: N/A  
memo : TTP111CVB

Page: 1

| Peak | Freq<br>MHz | Level<br>dBuV/m | Limit<br>dBuV/m | Over<br>Limit<br>dB | ReadAntenna<br>Level<br>dBuV | Cable<br>Factor<br>dB/m | Preamp<br>Loss<br>dB | Remark     |
|------|-------------|-----------------|-----------------|---------------------|------------------------------|-------------------------|----------------------|------------|
| 1    | 134.340     | 23.49           | 30.00           | -6.51               | 36.18                        | 11.45                   | 1.58                 | 25.72 Peak |
| 2    | 192.913     | 20.83           | 30.00           | -9.17               | 35.54                        | 8.98                    | 1.94                 | 25.64 Peak |
| 3    | 242.740     | 19.33           | 37.00           | -17.67              | 31.10                        | 11.66                   | 2.14                 | 25.58 Peak |
| 4    | 296.000     | 20.97           | 37.00           | -16.03              | 31.10                        | 13.04                   | 2.35                 | 25.52 Peak |
| 5    | 337.440     | 25.93           | 37.00           | -11.07              | 34.73                        | 14.09                   | 2.56                 | 25.44 Peak |
| 6    | 397.940     | 23.89           | 37.00           | -13.11              | 30.79                        | 15.55                   | 2.88                 | 25.33 Peak |
| 7    | 539.447     | 28.33           | 37.00           | -8.67               | 31.22                        | 18.44                   | 3.47                 | 24.80 Peak |
| 8    | 779.333     | 29.44           | 37.00           | -7.56               | 29.32                        | 19.70                   | 4.26                 | 23.85 Peak |



9 RADIATED EMISSION TEST DATA (PAGE 2)

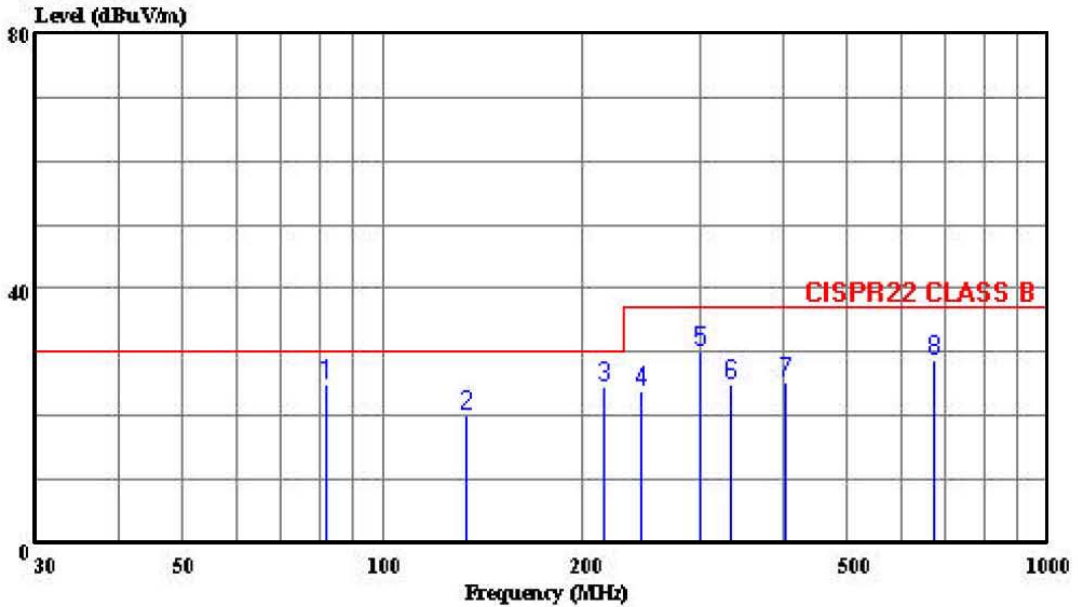


HomeTek Technology Inc.

No 67-9, Shi-Men Rd;, Tu-Chen City, Taipei County, Taiwan R.O.C. Tel:02-22608375 Fax:02-22748013

Data#: 6 File#: 5F023.EMI

Date: 2006-06-22 Time: 09:47:20



Trace:

Ref Trace:

Condition: CISPR22 CLASS B 10m CHASE 2614 060506 VERTICAL  
cut : CAT5 AV Multimedia Transmission  
power: N/A  
memo : TTP111CVB

Page: 1

| Peak | Freq<br>MHz | Level<br>dBuV/m | Limit<br>dBuV/m | Over<br>Limit<br>dB | ReadAntenna<br>Level<br>dBuV | Cable<br>Factor<br>dB/m | Preamp<br>Loss<br>dB | Remark     |
|------|-------------|-----------------|-----------------|---------------------|------------------------------|-------------------------|----------------------|------------|
| 1    | 82.027      | 24.85           | 30.00           | -5.15               | 41.89                        | 7.57                    | 1.22                 | 25.83 Peak |
| 2    | 133.500     | 20.08           | 30.00           | -9.92               | 32.77                        | 11.46                   | 1.58                 | 25.72 Peak |
| 3    | 215.553     | 24.61           | 30.00           | -5.39               | 39.08                        | 9.10                    | 2.04                 | 25.61 Peak |
| 4    | 244.007     | 23.77           | 37.00           | -13.23              | 35.37                        | 11.82                   | 2.15                 | 25.58 Peak |
| 5    | 300.000     | 30.18           | 37.00           | -6.82               | 40.21                        | 13.13                   | 2.37                 | 25.52 Peak |
| 6    | 333.527     | 24.94           | 37.00           | -12.06              | 33.84                        | 14.01                   | 2.54                 | 25.45 Peak |
| 7    | 404.460     | 25.42           | 37.00           | -11.58              | 32.14                        | 15.68                   | 2.91                 | 25.31 Peak |
| 8    | 674.887     | 28.89           | 37.00           | -8.11               | 30.03                        | 18.90                   | 4.07                 | 24.11 Peak |



HomeTek Technology Inc.

## **Appendix A**

# **PHOTOS OF TEST CONFIGURATION**

## PHOTO OF RADIATED EMISSION TEST

Model : TTP111CVB



Front View



Rear View



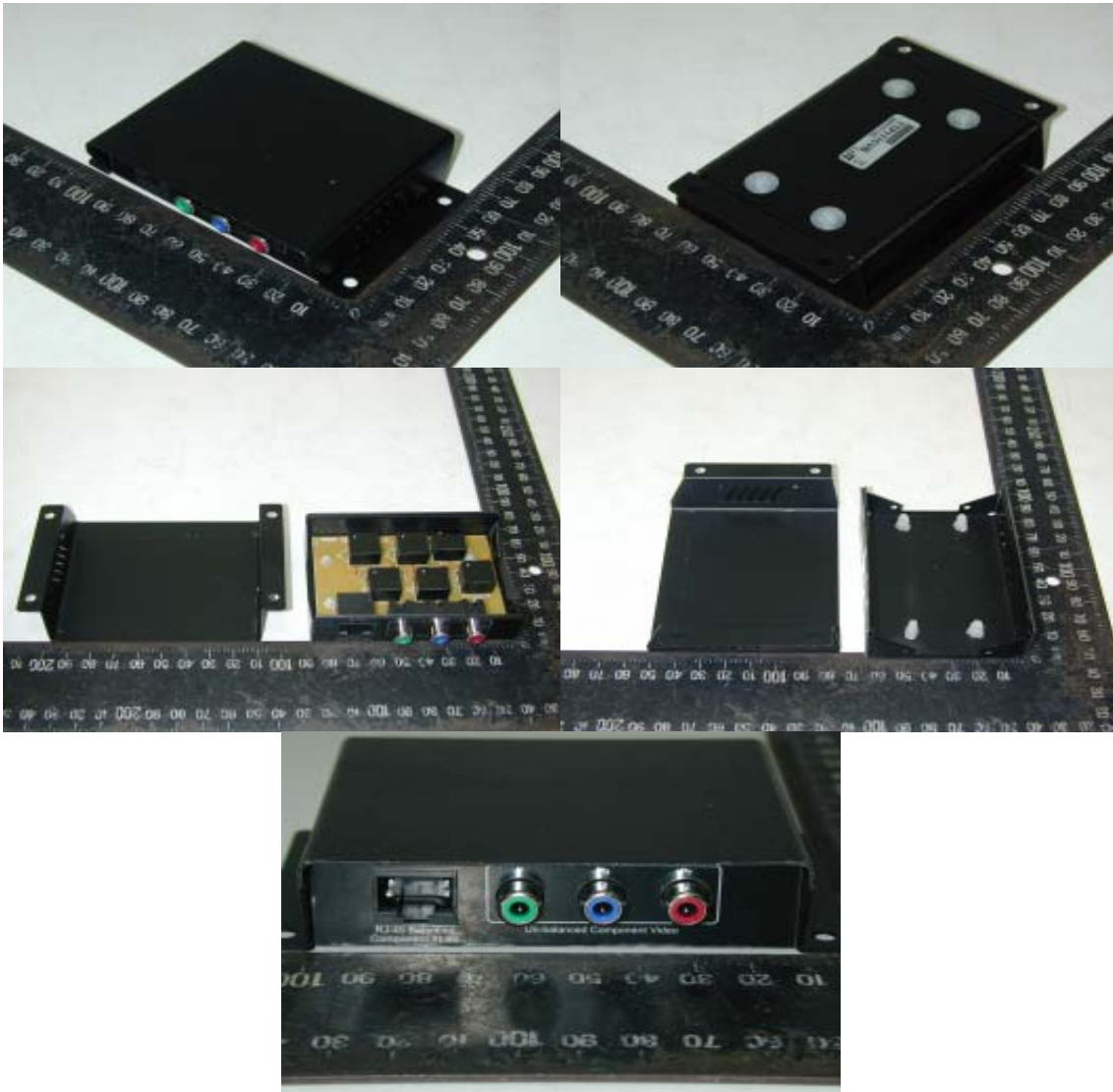
HomeTek Technology Inc.

## **Appendix B**

### **PHOTOS OF EUT**

## PHOTO OF EUT

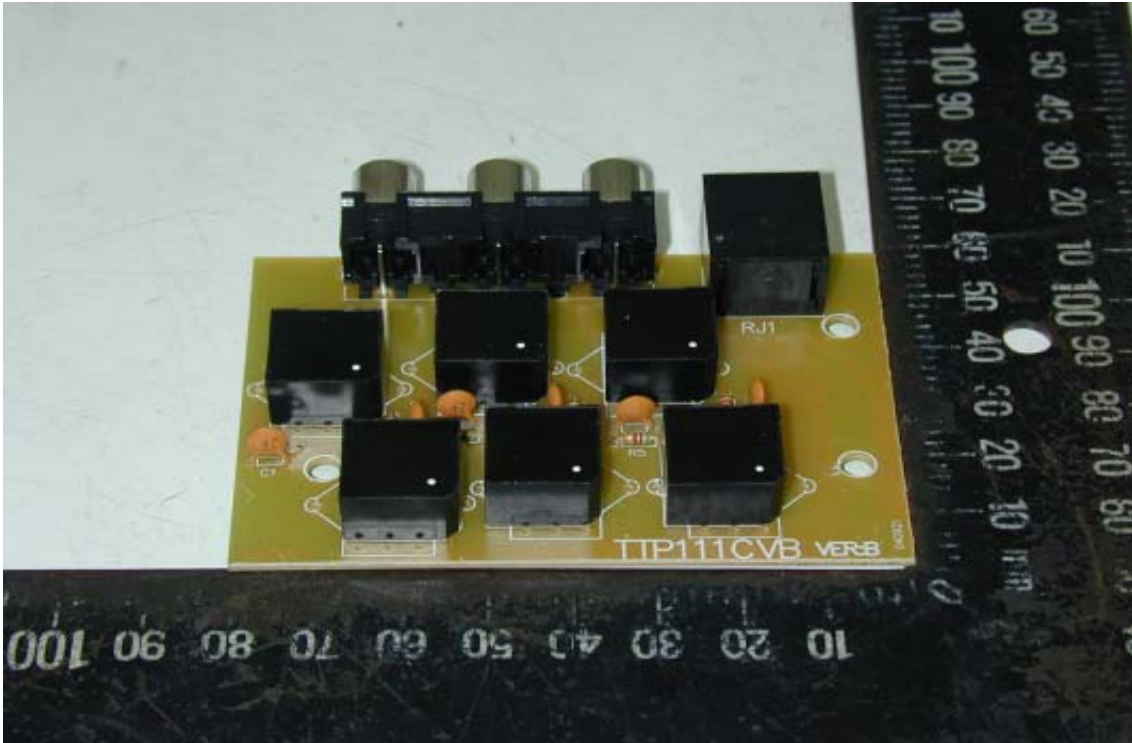
Model : TTP111CVB



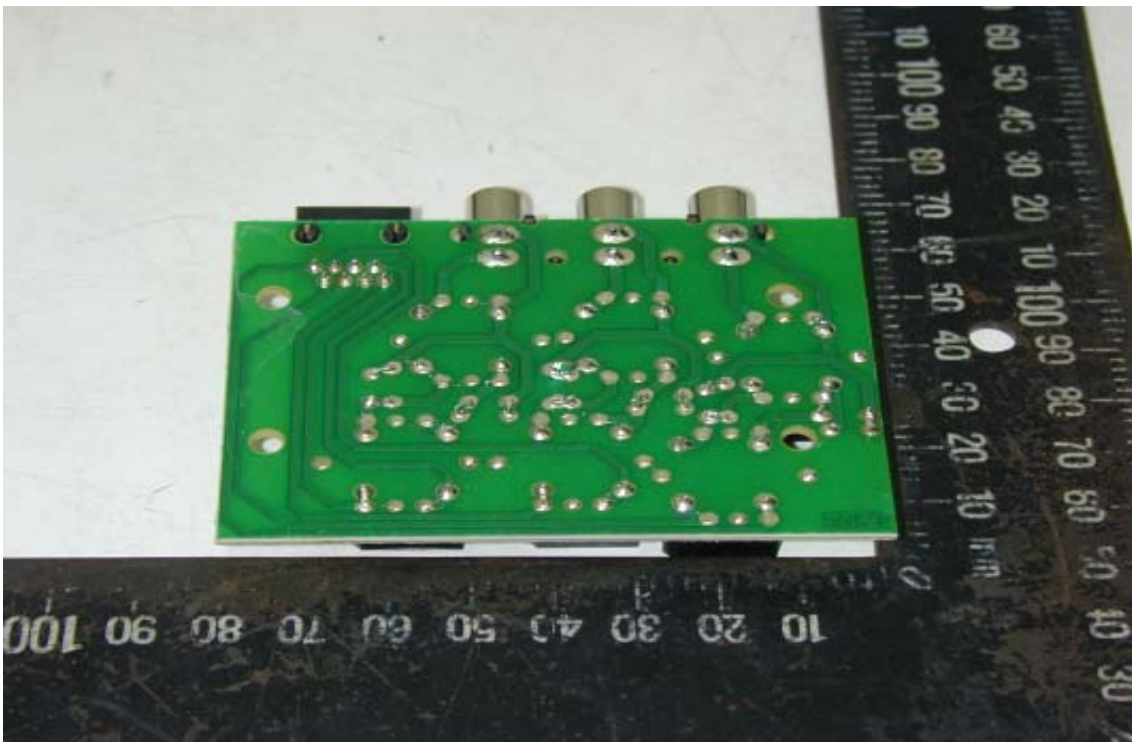
Full View of EUT

## PHOTO OF EUT

Model : TTP111CVB



Component Side of Main Board



Solder Side of Main Board

# Declaration of Conformity

Responsible Party Name :

Address :

Phone No :

Fax No :

Declares under our sole responsibility that the product

Product Name : CAT5 AV Multimedia Transmission

Model No. : TTPXXCVB

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

AS/NZS CISPR 22 (2004) : Electromagnetic Interference  
– Limits and Methods of Measurement of Information Technology Equipment

Representative Person's Name : \_\_\_\_\_

Signature : \_\_\_\_\_

Date : \_\_\_\_\_

United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:1999**

---

NVLAP LAB CODE: 200331-0

**HomeTek Technology Inc.**

Taipei Shien 236  
TAIWAN

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

**ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS**

2005-10-01 through 2006-09-30

*Effective dates*



*For the National Institute of Standards and Technology*

A handwritten signature in black ink, appearing to read "Mark P. Ward".



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:1999**

**HomeTek Technology Inc.**  
P.O Box: 13-131, Pan-Chiao City  
No. 67-9 Shir Men Rd., Tu Chen City  
Taipei Shien 236  
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Phone: 886-2-22608375 Fax: 886-2-22748013  
E-Mail: hometek@ms15.hinet.net

**ELECTROMAGNETIC COMPATIBILITY  
AND TELECOMMUNICATIONS**

**NVLAP LAB CODE 200331-0**

*NVLAP Code Designation / Description*

**Emissions Test Methods:**

|            |  |
|------------|--|
| 12/CIS14a  | EN 55014-1 (1993), A1 (1997), A2 (1999):   |
| 12/CIS14a2 | BS EN 55014-1 (2001) with A1 and A2: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission                            |
| 12/CIS14b1 | AS/NZS CISPR 14-1 (2003): Electromagnetic Compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission                                       |
| 12/CIS14c  | CNS 13783-1: Electromagnetic Compatibility Requirements for household appliances, electric tools and similar apparatus - Part 1: Emissions   |
| 12/CIS14d  | IEC/CISPR 14-1 (2001) and A1 (2001): Electromagnetic Compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emissions                           |
| 12/CIS14x  | IEC/CISPR 14-1, Ed. 4 (2003): Electromagnetic Compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission                                   |
| 12/CIS22   | IEC/CISPR 22 (1997) & EN 55022 (1998) + A1(2000): Limits and methods of measurement of radio disturbance characteristics of information technology equipment                                   |
| 12/CIS22a  | IEC/CISPR 22 (1993) and EN 55022 (1994): Limits and methods of measurement of radio disturbance characteristics of information technology equipment, Amendment 1 (1995) and Amendment 2 (1996) |

2005-10-01 through 2006-09-30

*Effective dates*

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**National Voluntary  
Laboratory Accreditation Program**



**ELECTROMAGNETIC COMPATIBILITY  
AND TELECOMMUNICATIONS**

**NVLAP LAB CODE 200331-0**

| <i>NVLAP Code</i> | <i>Designation / Description</i>   |
|-------------------|--|
| 12/CIS22b         | CNS 13438 (1997): Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment                                      |
| 12/CIS22c         | IEC/CISPR 22, Fourth Edition (2003-04) & EN 55022 (1998): Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement |
| 12/FCC15b         | ANSI C63.4 (2003) with FCC Method 47 CFR Part 15, Subpart B: Unintentional Radiators   |
| 12/T51a           | AS/NZS CISPR 22 (2004): Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement                                   |
| 12/VCCIa          | VCCI: Agreement of Voluntary Control Council for Interference by Information Technology Equipment - Technical Requirements: V-3/2004.04                            |

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