HomeTek Technology Inc.

ADDRESS: No. 67-9, Shir Men Road, Tu Cheng City, Taipei Hsien
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CERTIFICATE OF COMPLIANCE

EUT	: Twisted Pair 1 input to 2 Output Video Distributor
MODEL NO.	: TDA1XXX
Receipt Date	: 05/15/2007 Final Test Date: 05/18/2007
REPORT #	: EB6E014
APPLICANT	: SMART CABLING & TRANSMISSION CORP.
ADDRESS	: 10F, No. 493, Chung-Cheng Rd., Hsin Tien City, Taipei 231, Taiwan, R. O. C.

Measurement procedure used:

EMI: EN 55022 Class B (1998) + A1 (2000) + A2 (2003),
EN 61000-3-2 (2000), EN 61000-3-3 (1995) + A1 (2001)
EMS: EN 55024 (1998) + A1 (2001) + A2 (2003):
IEC 61000-4-2 (2001), IEC 61000-4-3 (2002), IEC 61000-4-4 (2004), IEC 61000-4-5 (2001),
IEC 61000-4-6 (2003) + A1 (2004), IEC 61000-4-8 (2001), IEC 61000-4-11 (2004)

We hereby show that:

The measurements shown in this test report were made in accordance with the procedures given in **EUROPEAN COUNCIL DIRECTIVE 2004/108/EC**, and the energy emitted by the equipment was found to be within the limits applicable.

This test result 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.

APPROVED BY : 5/30/2007

ALAIN LIN / Supervisor

TABLE OF CONTENTS

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 : Twisted Pair 1 input to 2 Output Video Distributor

Model : TDA1XXX

Serial # : N/A

5.1 The difference between series of models TDA1XXX are as shown below:

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

The PCB layout is similar. The worst case of EMC 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 INSTRUMENTS & FACILITIES

The following test Instruments was used during the conducted test :

Item	Instruments/ Facilities	Specification	Manufacturer	Model #	Date Of Cal.
1	EMI Receiver	9KHz ~ 30MHz	ROHDE & SCHWARZ	ESHS 30 844827/007	FEB/2007
2	LISN (for EUT)	50Ω/50uH/100A 150KHz ~ 30MHz	SCHWARZ BECK	NNLK 8121 8121370	OCT/2006
3	LISN (for Support Unit)	50Ω/50uH/10A 9KHz ~ 30MHz	ROHDE & SCHWARZ	ESH3-Z5 846128/007	MAR/2007
4	Terminator	50Ω	N/A	N/A	NOV/2006
5	Attenuation	50Ω/10dB	Mini-Circuit	NAT-10 AT-002	JUL/2006
6	Cable	5.4m	SUHNER	RG-223 CON2-002	AUG/2006
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 **EN55022 Class B.**

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.

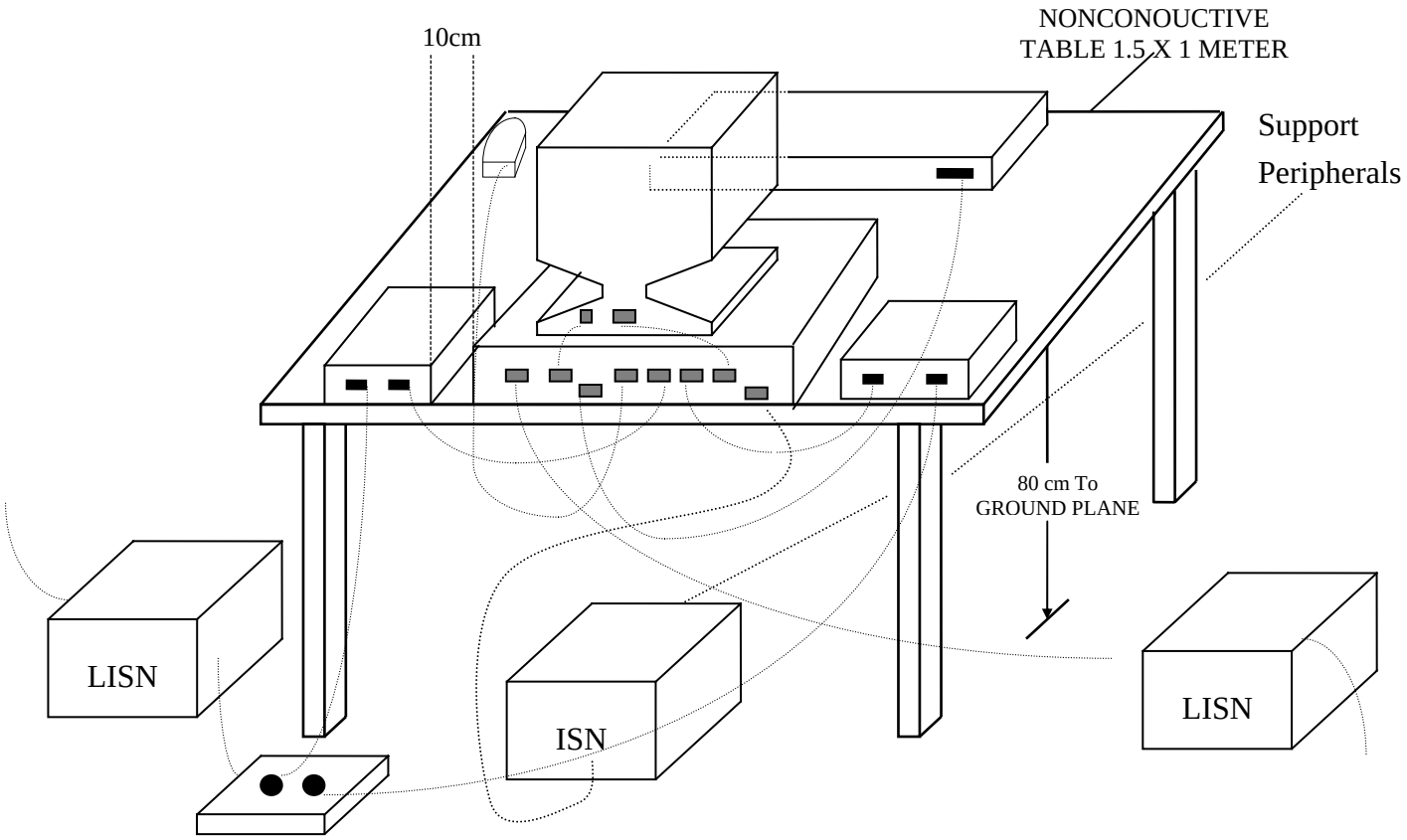
2.4 The LISN used was 50 Ohm / 50 uHenry as specified by **EN55022**.

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.

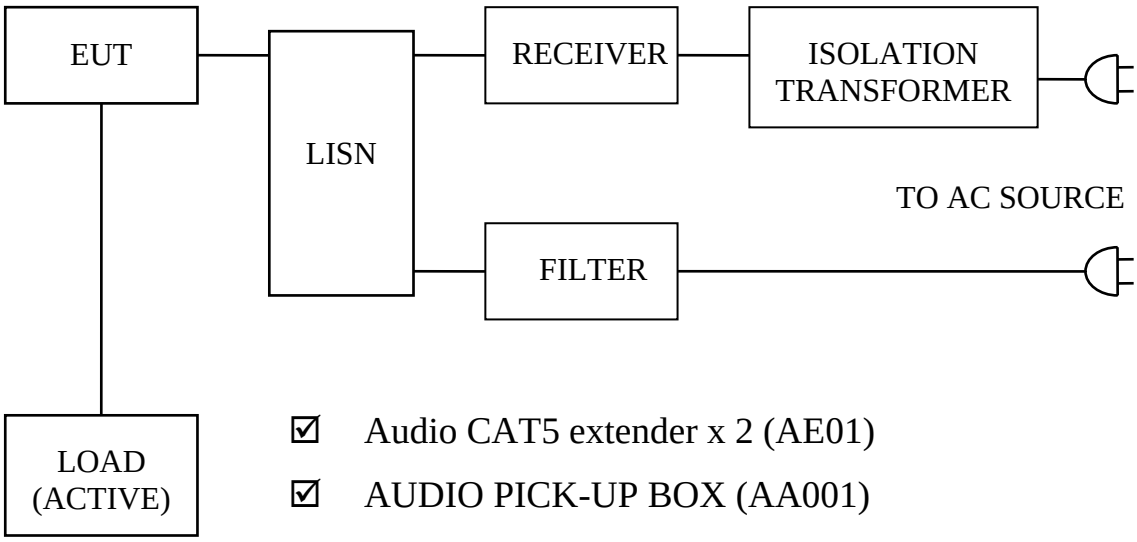
3 TEST SETUP

3.1 Typical : Setup Of Conducted Test



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

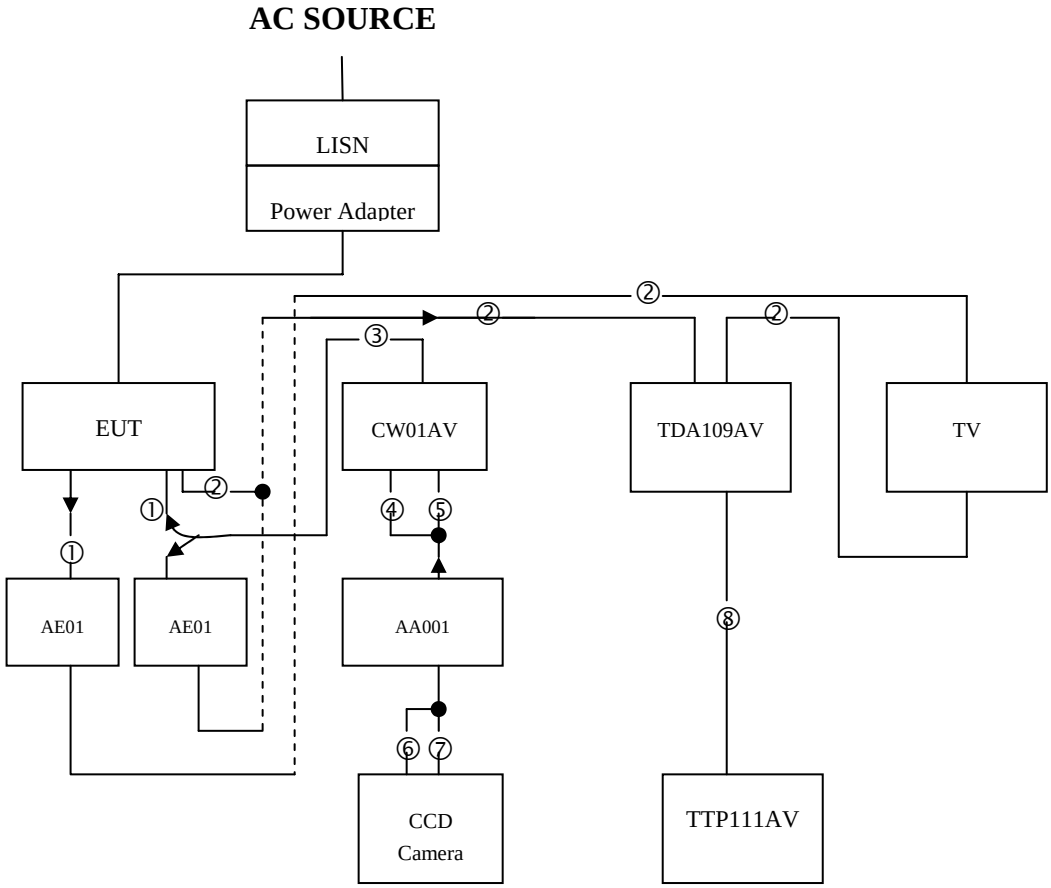
3.2 Block Diagram Of Conducted Test



- ☑ Audio CAT5 extender x 2 (AE01)
- ☑ AUDIO PICK-UP BOX (AA001)
- ☑ 1 input 9 output video & audio CAT5 distribution amplifier (TDA109AV)
- ☑ Wall Plate Audio & Video CAT5 Extender (CW01AV)
- ☑ Video & Audio Transceiver (TTP111AV)
- ☑ CCD Camera
- ☑ TV
- ☑ Power Adapter

4 CONFIGURATION OF THE EUT

The EUT was configured according to **EN55022**. All I/O ports were connected to the appropriate peripherals. All peripherals and cables are listed below (including internal device) :



① Data Cable
② AV Cable
③ RJ-45 Cable
④ Audio Out Cable
⑤ Video Out Cable
⑥ Video In Cable
⑦ Power Cable
⑧ RJ-45 Cable x 9

Figure 1

4.1 EUT

EUT Type	: ☐Proto Type ☑Engineer Type ☐Mass Production
Condition when received	: ☑Good ☐Damage : _____
Device	: Twisted Pair 1 input to 2 Output Video Distributor
Applicant	: SMART CABLING & TRANSMISSION CORP.
Manufacturer	: SMART CABLING & TRANSMISSION CORP.
Model Number	: TDA1XXX
Serial Number	: N/A
FCC ID	: N/A
Vide In Port	: Plastic Type Connector
Video Out Port	: Plastic Type Connector
Video Out Port	: Metal Type Connector
Power Cord (AC)	: 2 pin
Power Cord (DC)	: Un-Shielded, 1.8 m, 2 pin
Power Supply Type	: Linear Adapter

4.2 PERIPHERALS

☑ Audio CAT5 extender x 2

Manufacturer	: SMART CABLING & TRANSMISSION CORP.
Model Number	: AE01
Serial Number	: N/A
FCC ID	: N/A
Data Cable 1	: Un-Shielded, 0.1 m, Connected to the Video In port
Data Cable 2	: Un-Shielded, 0.1 m, Connected to the Video Out port
Data Cable 3	: Shielded, 1.6 m, Connected to the AV In port
Data Cable 4	: Shielded, 1.6 m, Connected to the AV Out port
Power Cord	: N/A

☑ AUDIO PICK-UP BOX

Manufacturer	: SMART CABLING & TRANSMISSION CORP.
Model Number	: AA001
Serial Number	: N/A
FCC ID	: N/A
Data Cable 1	: Un-Shielded, 0.5 m, Connected to the AV Out port
Data Cable 2	: Un-Shielded, 0.3 m, Connected to the Video port
Data Cable 3	: Un-Shielded, 0.5 m, Connected to the Power Output port
Power Cord	: N/A

☑ 1 input 9 output video & audio CAT5 distribution amplifier

Manufacturer	: SMART CABLING & TRANSMISSION CORP.
Model Number	: TDA109AV
Serial Number	: N/A
FCC ID	: N/A
Data Cable 1 x 3	: Shielded, 1.6 m, Connected to the AV In port
Data Cable 2 x 3	: Shielded, 1.2 m, Connected to the AV Out port
Data Cable 3 x 9	: Un-Shielded, 10 m, Connected to the RJ-45 In port
Power Cord (DC)	: Un-Shielded, 1.8 m

☑ Wall Plate Audio & Video CAT5 Extender

Manufacturer	: SMART CABLING & TRANSMISSION CORP.
Model Number	: CW01AV
Serial Number	: N/A
FCC ID	: N/A
Data Cable 1 x 2	: Un-Shielded, 0.5 m, Connected to the AV Out port
Data Cable 2	: Un-Shielded, 0.3 m, Connected to the RJ-45 port
Power Cord (DC)	: N/A

☑ Video & Audio Transceiver

Manufacturer	: SMART CABLING & TRANSMISSION CORP.
Model Number	: TTP111AV
Serial Number	: N/A
FCC ID	: N/A
Data Cable x 9	: Un-Shielded, 10 m, Connected to the RJ-45 port
Power Cord (DC)	: N/A

☑ CCD Camera

Manufacturer	: Comedar
Model Number	: CM-930
Serial Number	: N/A
FCC ID	: N/A
Data Cable 1	: Un-Shielded, 0.3 m, Connected to the Video port
Data Cable 2	: Un-Shielded, 0.5 m, Connected to the Power Output port
Power Cord	: N/A

☑ TV

Manufacturer	: TCL
Model Number	: 1419A
Serial Number	: 010019502035F0039
FCC ID	: N/A
Data Cable 1	: Shielded, 1.2 m, Connected to the AV Out port
Data Cable 2	: Shielded, 1.6 m, Connected to the AV Out port
Power Cord (DC)	: Un-Shielded, 1.8 m

☑ Power Adapter

Manufacturer	: Atech
Model Number	: ADP12500N-2
Serial Number	: N/A
FCC ID	: N/A
Data Cable	: N/A
Power Cord (DC)	: Un-Shielded, 1.8 m

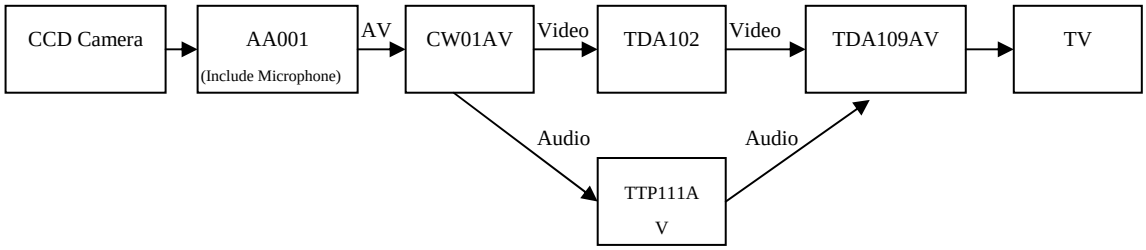
4.3 REMARK : N/A

5 EUT OPERATING CONDITION

5.1 The frequency of the EUT is none.

5.2 Configure the EUT according to the **EN 55022 Class B**.

5.3



5.4 CCD camera & AA001 send audio and video signals to CW01AV, TTP111AV, TDA102, TDA109AV, and CW01AV, TTP111AV, TDA102, TDA109AV change audio and video signals.

5.5 Then has changed audio and video signals send to TV display.

5.6 Measure the maximum emission noise.

5.7 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

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 : 26 ℃, 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 Result : **PASSED**

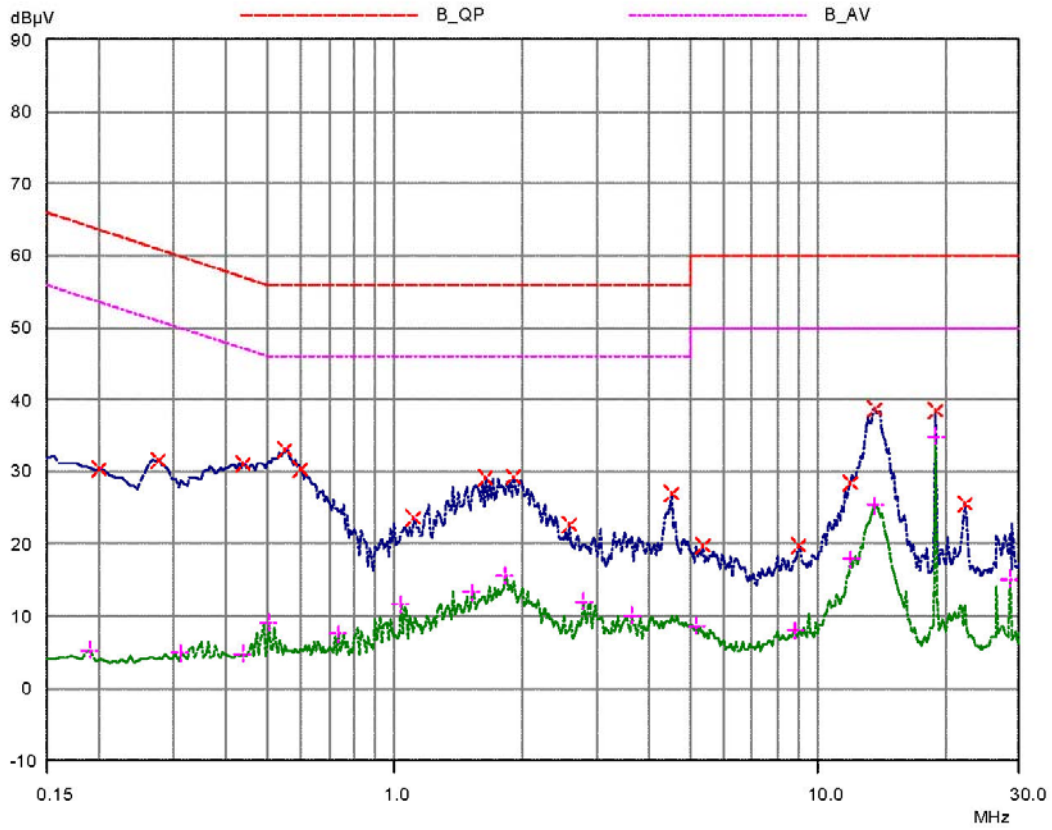
8 CONDUCTED POWER LINE TEST DATA (PAGE 1)

HomeTek EMC LAB. TEL :886-2-22608375 15 May 2007 13:44

CONDUCTED EMISSIONS

EUT:	Twisted Pair 1 input to 2 Output Video Distributor
Manuf:	6E014
Op Cond:	LINE 1
Operator:	JASON
Test Spec:	FOR EN55022 CLASS B
Comment:	230V/50Hz
	TDA102
Result File:	6e01411c.dat :

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



9 CONDUCTED POWER LINE TEST DATA (PAGE 2)

HomeTek EMC LAB. TEL :886-2-22608375 15 May 2007 13:44

CONDUCTED EMISSIONS

EUT:	Twisted Pair 1 input to 2 Output Video Distributor
Manuf:	6E014
Op Cond:	LINE 1
Operator:	JASON
Test Spec:	FOR EN55022 CLASS B
Comment:	230V/50Hz
	TDA102
Result File:	6e01411c.dat :

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

Peak Search Results

Frequency MHz	PK Level dBµV	PK Limit dBµV	PK Delta dB
0.2	30.40	63.61	33.21
0.275	31.57	60.97	29.40
0.44	31.13	57.06	25.93
0.55	33.02	56.00	22.98
0.6	30.25	56.00	25.75
1.11	23.57	56.00	32.43
1.63	29.22	56.00	26.78
1.91	29.25	56.00	26.75
2.57	22.66	56.00	33.34
4.49	26.93	56.00	29.07
5.36	19.72	60.00	40.28
8.95	19.67	60.00	40.33
11.97	28.45	60.00	31.55
13.58	38.78	60.00	21.22
18.94	38.46	60.00	21.54
22.31	25.56	60.00	34.44

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.19	5.26	54.04	48.78
0.31	4.88	49.97	45.09
0.435	4.84	47.16	42.32
0.5	9.14	46.00	36.86
0.735	7.58	46.00	38.42
1.03	11.63	46.00	34.37
1.52	13.38	46.00	32.62
1.81	15.59	46.00	30.41
2.78	12.05	46.00	33.95
3.61	10.10	46.00	35.90
5.14	8.67	50.00	41.33
8.8	8.08	50.00	41.92
11.97	17.91	50.00	32.09
13.63	25.30	50.00	24.70
18.94	34.80	50.00	15.20
28.32	15.10	50.00	34.90

* limit exceeded

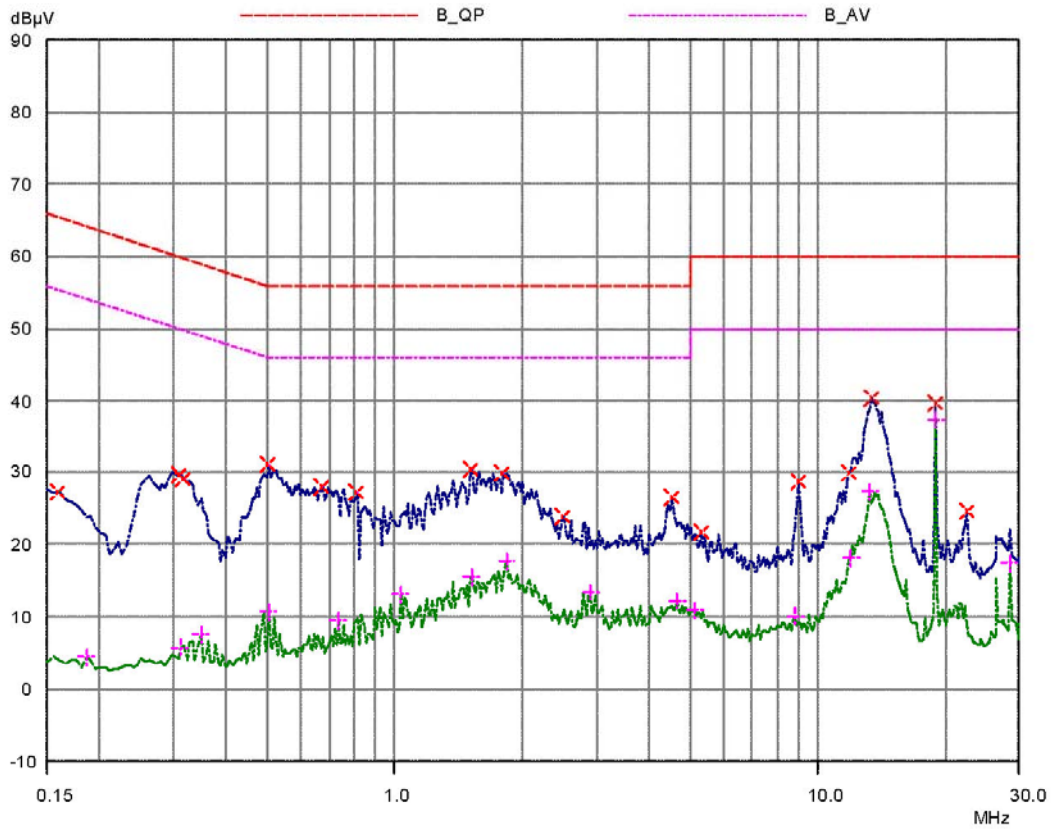
10 CONDUCTED POWER LINE TEST DATA (PAGE 3)

HomeTek EMC LAB. TEL :886-2-22608375 15 May 2007 13:49

CONDUCTED EMISSIONS

EUT:	Twisted Pair 1 input to 2 Output Video Distributor
Manuf:	6E014
Op Cond:	LINE 2
Operator:	JASON
Test Spec:	FOR EN55022 CLASS B
Comment:	230V/50Hz TDA102
Result File:	6e01421c.dat :

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



11 CONDUCTED POWER LINE TEST DATA (PAGE 4)

HomeTek EMC LAB. TEL :886-2-22608375 15 May 2007 13:49

CONDUCTED EMISSIONS

EUT:	Twisted Pair 1 input to 2 Output Video Distributor
Manuf:	6E014
Op Cond:	LINE 2
Operator:	JASON
Test Spec:	FOR EN55022 CLASS B
Comment:	230V/50Hz
	TDA102
Result File:	6e01421c.dat :

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

Peak Search Results

Frequency MHz	PK Level dBµV	PK Limit dBµV	PK Delta dB
0.16	27.29	65.46	38.17
0.31	29.67	59.97	30.30
0.315	29.01	59.84	30.83
0.5	30.94	56.00	25.06
0.67	27.96	56.00	28.04
0.81	27.19	56.00	28.81
1.51	30.39	56.00	25.61
1.8	29.77	56.00	26.23
2.48	23.87	56.00	32.13
4.5	26.42	56.00	29.58
5.3	21.61	60.00	38.39
8.96	28.59	60.00	31.41
11.8	29.93	60.00	30.07
13.39	40.46	60.00	19.54
18.94	39.68	60.00	20.32
22.44	24.67	60.00	35.33

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.185	4.37	54.26	49.89
0.31	5.72	49.97	44.25
0.345	7.55	49.08	41.53
0.5	10.69	46.00	35.31
0.735	9.48	46.00	36.52
1.03	13.13	46.00	32.87
1.51	15.49	46.00	30.51
1.83	17.60	46.00	28.40
2.89	13.39	46.00	32.61
4.61	12.18	46.00	33.82
5.08	10.89	50.00	39.11
8.8	10.04	50.00	39.96
11.92	18.18	50.00	31.82
13.18	27.23	50.00	22.77
18.94	37.34	50.00	12.66
28.32	17.37	50.00	32.63

* 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	☑ OATS 3			JUL/2006
2	EMI TEST RECEIVER	20Hz ~ 26.5GHz	ROHDE & SCHWARZ	ESMI 845442/006	FEB/2007
3	PRE-AMPLIFIER	9KHz ~ 3000MHz	ADVANTEST	BB525C 90081001	OCT/2006
4	ANTENNA (BI-LOG)	25MHz ~ 2GHz	SCHAFFNER	CBL6112B S/N : 2614	JUN/2006
5	Attenuation	50Ω/6dB	JYE BAO	FAT-N (M-F) 001	JUL/2006
6	Ferrite Clamp	30 ~ 1000MHz	ADT	FC18 910030	DEC/2006
7	Ferrite Clamp	30 ~ 1000MHz	HomeTek	HFC 001	DEC/2006
8	Cable	10m	SUHNER	RG214/U OS3-003	DEC/2006
9	Cable	14m	BELDEN	9913 OS3-001	DEC/2006
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

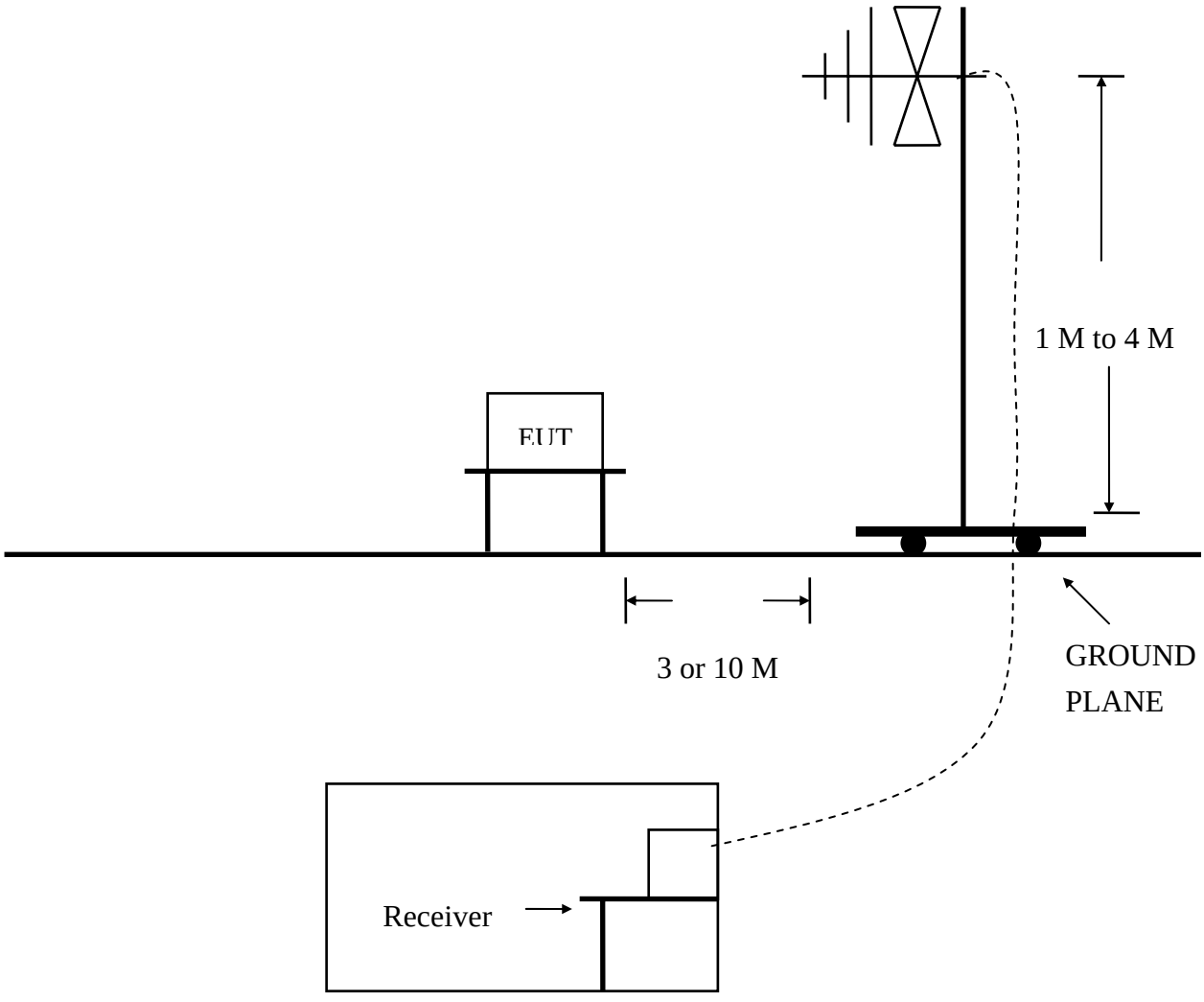
2.1 The EUT was test according to **EN55022**.

2.2 The radiated test was performed at HomeTek Lab's Open Site III.

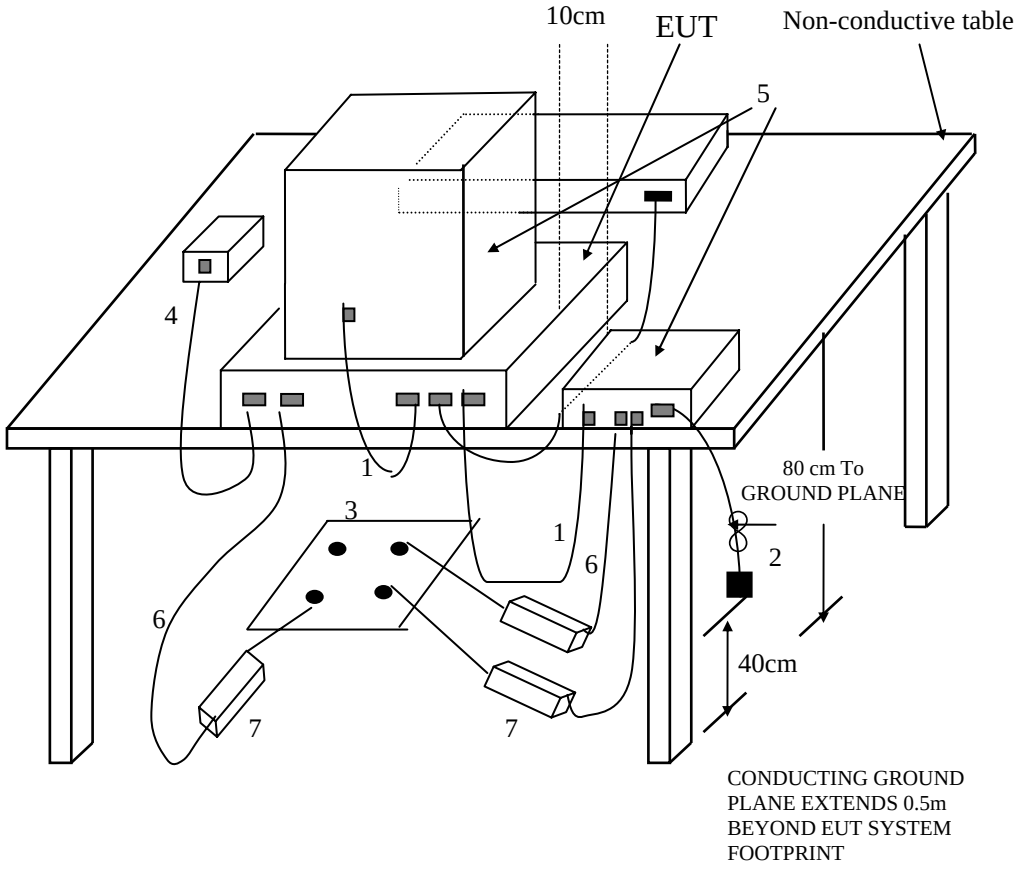
2.3 The frequency range from 30 MHz to 1 GHz, the measurement were made at 10 meters, with a BI-log antenna.

3 TEST SETUP

3.1 TEST SETUP OF OPEN SITE.



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



(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 m 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 Measurement

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

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

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 : 29 ℃, Humidity : 58 % RH.

7.5 Deviation form the test standards and rules : None.

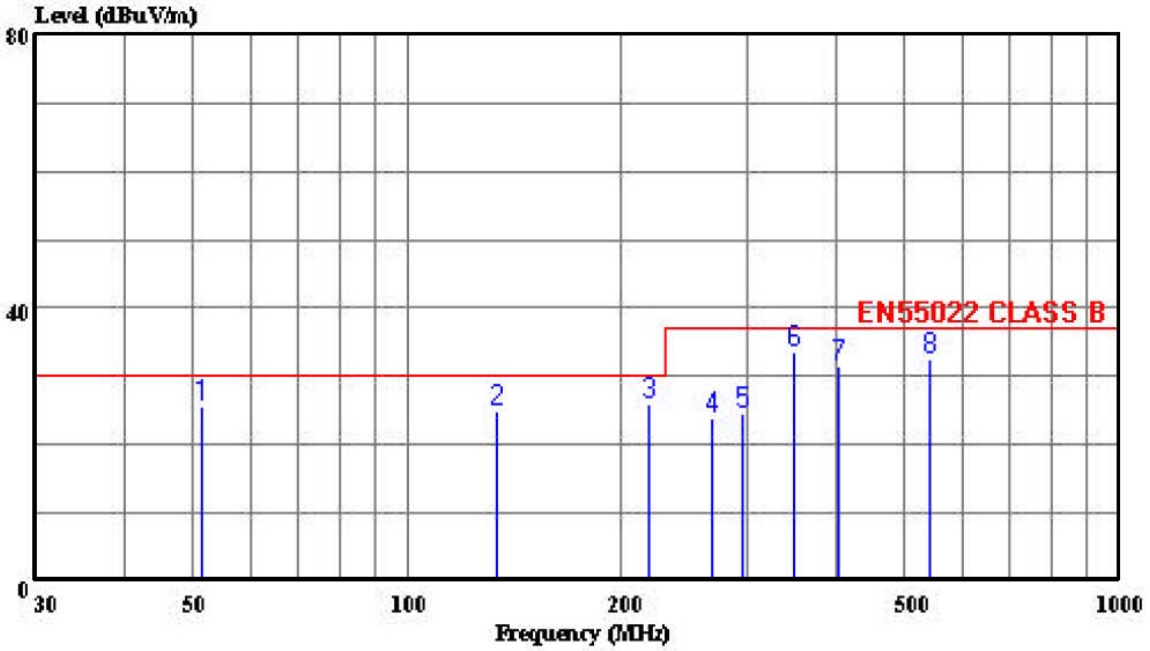
7.6 The radiated emission result were gained by the following method :
Level = Reading Level + Probe Factor (Antenna Factor) + Cable Loss – Preamp Factor
Over Limit = Level – Limit Line

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#: 6e014.emi Date: 2007-05-16 Time: 17:39:15



Trace: Ref Trace:

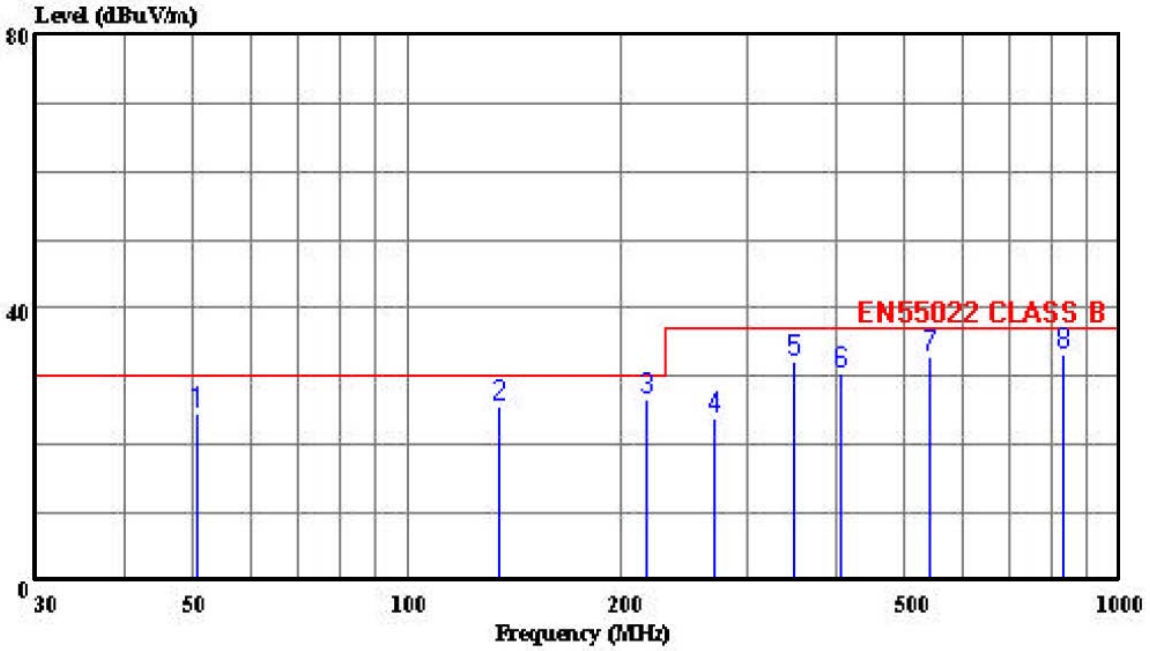
Condition: EN55022 CLASS B 10m CHASE 2614 060506 HORIZONTAL
eut : Twisted Pair 1 input to 2 Output Video Distributor
power: 230V/50Hz
memo : TDA102

Page: 1

	Freq	Level	Limit Line	Over Limit	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	
1	51.348	25.66	30.00	-4.34	42.48	8.37	0.78	25.97	Peak
2	133.396	24.80	30.00	-5.20	37.44	11.46	1.73	25.83	Peak
3	218.642	25.93	30.00	-4.07	40.25	9.10	2.25	25.67	Peak
4	266.940	23.72	37.00	-13.28	33.72	12.99	2.58	25.57	Peak
5	295.237	24.75	37.00	-12.25	34.50	13.02	2.74	25.51	Peak
6	348.006	33.68	37.00	-3.32	41.60	14.37	3.06	25.36	Peak
7	402.531	31.53	37.00	-5.47	37.74	15.64	3.36	25.21	Peak
8	541.140	32.67	37.00	-4.33	34.07	18.49	4.78	24.68	Peak

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#: 3 File#: 6e014.emi Date: 2007-05-16 Time: 17:06:58



Trace: Ref Trace:

Condition: EN55022 CLASS B 10m CHASE 2614 060506 VERTICAL
eut : Twisted Pair 1 input to 2 Output Video Distributor
power: 230V/50Hz
memo : TDA102

Page: 1

	Freq	Level	Limit Line	Over Limit	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	
1	50.469	24.69	30.00	-5.31	41.37	8.52	0.76	25.97	Peak
2	134.366	25.78	30.00	-4.22	38.42	11.45	1.74	25.83	Peak
3	216.042	26.83	30.00	-3.17	41.17	9.10	2.23	25.68	Peak
4	269.940	24.02	37.00	-12.98	34.37	12.62	2.60	25.56	Peak
5	350.006	32.28	37.00	-4.72	40.10	14.45	3.08	25.36	Peak
6	405.531	30.53	37.00	-6.47	36.62	15.72	3.38	25.19	Peak
7	540.180	32.80	37.00	-4.20	34.30	18.44	4.74	24.68	Peak
8	833.212	33.09	37.00	-3.91	31.50	20.11	5.14	23.66	Peak

HARMONICS TEST

1 TEST INSTRUMENTS & FACILITIES

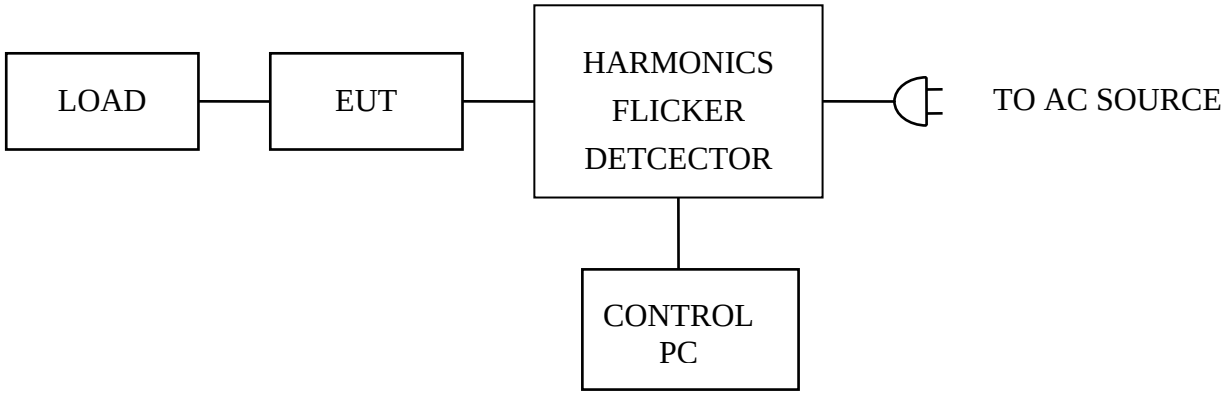
Instruments/ facilities	Manufacturer	Model # Serial #	Date of Cal.
HARMONICS/ VOLTAGE FLUCTUATIONS TEST	EMC-PARTNER	HAR1000-1P	NOV/2006
CONTROL PC	KB TECH	KB P586/133	N/A

Note : Item 1 were calibrated with two years and verified before testing.

2 TEST PROCEDURE

According to **EN 61000-3-2 (2000) Class A**

3 TEST SETUP



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

4 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

5 OPERATION CONDITION OF EUT

Same as “Conducted Power Line test”, section 5

6 TEST DATA & LIMIT

6.1 Temperature : 26 ℃

6.2 Humidity : 70 % RH

7 Photos of test configuration please refer to appendix A.

8 HARMONICS TEST DATA (PAGE 1~2)

EMC PARTNER AG, SWITZERLAND Date : 2007/5/15 PM 05:33:2 V4.14

Operator : JASON
Unit : Twisted Pair 1 input to 2 Output Video Distributor
Serialnumber : TDA102
Remarks 6E014

Urms = 229.9V Freq = 49.987 Range: 0.25 A
Irms = 0.025A Ipk = 0.049A cf = 1.995
P = 2.417W S = 5.697VA pf = 0.424
THDi = 38.3 % THDu = 0.10 % Class A

Test - Time : 15min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Imax [A]	Imax% [%]	Limit L [A]	Status
1	50	0.0737			
2	100	0.0002	0.0226	1.0800	
3	150	0.0083	0.3616	2.3000	
4	200	0.0001	0.0177	0.4300	
5	250	0.0042	0.3681	1.1400	
6	300	0.0000	0.0051	0.3000	
7	350	0.0011	0.1427	0.7700	
8	400	0.0000	0.0066	0.2300	
9	450	0.0012	0.2975	0.4000	
10	500	0.0000	0.0000	0.1840	
11	550	0.0002	0.0509	0.3300	
12	600	0.0000	0.0000	0.1533	
13	650	0.0003	0.1381	0.2100	
14	700	0.0000	0.0000	0.1314	
15	750	0.0003	0.1831	0.1500	
16	800	0.0000	0.0000	0.1150	
17	850	0.0001	0.0692	0.1324	
18	900	0.0000	0.0000	0.1022	
19	950	0.0001	0.0773	0.1184	
20	10000.0000		0.0000	0.0920	
21	10500.0001		0.0854	0.1071	
22	11000.0000		0.0000	0.0836	
23	11500.0001		0.0624	0.0978	
24	12000.0000		0.0000	0.0767	
25	12500.0001		0.0678	0.0900	

26	13000.0000	0.0000	0.0708
27	13500.0000	0.0549	0.0833
28	14000.0000	0.0000	0.0657
29	14500.0000	0.0393	0.0776
30	15000.0000	0.0000	0.0613
31	15500.0000	0.0420	0.0726
32	16000.0000	0.0000	0.0575
33	16500.0000	0.0448	0.0682
34	17000.0000	0.0000	0.0541
35	17500.0000	0.0237	0.0643
36	18000.0000	0.0000	0.0511
37	18500.0000	0.0502	0.0608
38	19000.0000	0.0000	0.0484
39	19500.0000	0.0264	0.0577
40	20000.0000	0.0000	0.0460

Important:
- without "1000-4-7 Ed. 2" (DFT-window is 16 periods)

VOLTAGE FLUCTUATIONS TEST

1 TEST INSTRUMENTS & FACILITIES

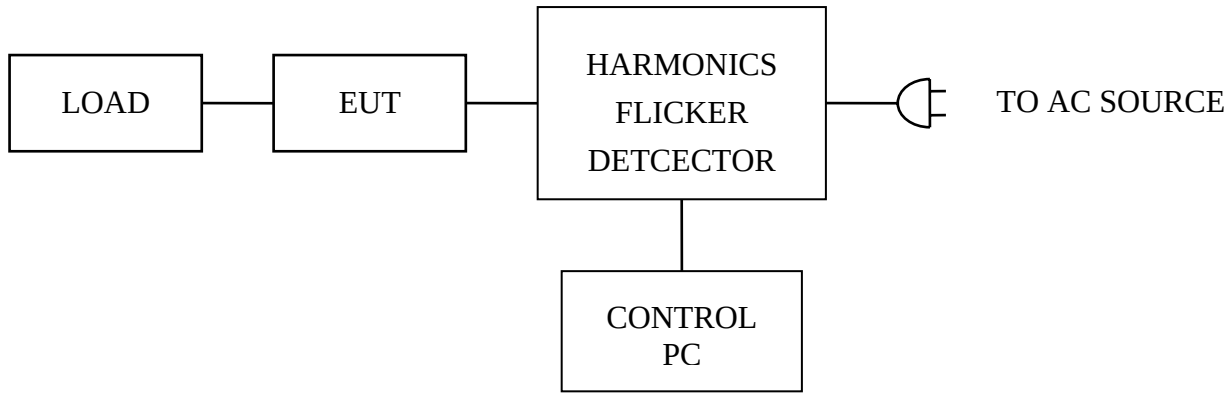
Instruments/ facilities	Manufacturer	Model # Serial #	Date of Cal.
HARMONICS/ VOLTAGE FLUCTUATIONS TEST	EMC-PARTNER	HAR1000-1P	NOV/2006
CONTROL PC	KB TECH	KB P586/133	N/A

Note : Item 1 were calibrated with two years and verified before testing.

2 TEST PROCEDURE

According to **EN 61000-3-3 (1995) + A1 (2001)**

3 TEST SETUP



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

4 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

5 OPERATION CONDITION OF EUT

Same as “Conducted Power Line test”, section 5

6 TEST DATA & LIMIT

6.1 Temperature : 26 ℃

6.2 Humidity : 70 % RH

7 Photos of test configuration please refer to appendix A.

8 VOLTAGE FLUCTUATIONS TEST DATA (PAGE 1)

EMC PARTNER AG, SWITZERLAND Date : 2007/5/15 PM 05:50:5 V4.14

Operator : JASON
Unit : Twisted Pair 1 input to 2 Output Video Distributor
Serialnumber : TDA102
Remarks 6E014

Urms = 229.9V Freq = 50.000 Range: 0.25 A
Irms = 0.025A Ipk = 0.049A cf = 1.990
P = 2.417W S = 5.697VA pf = 0.424

Test - Time : 1 x 15min = 15min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits :Plt : 0.65Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Plt = 0.072

	Pst	dmax [%]
1	0.072	0.000

ELECTROSTATIC DISCHARGE IMMUNITY TEST (ESD)

1 TEST INSTRUMENTS & FACILITIES

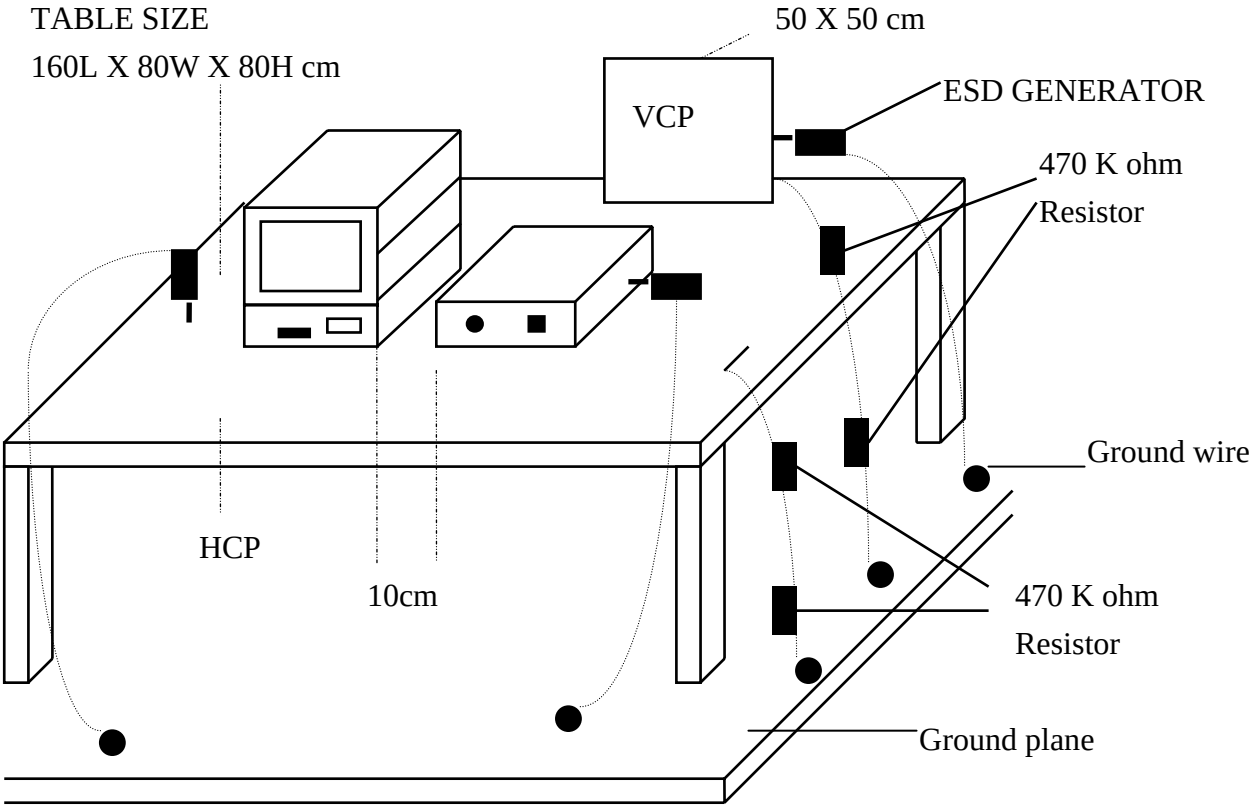
Instruments/ Facilities	Manufacturer	Model # Serial #	Data Of Cal.
ESD TESTER	HAEFELY	PESD 1610	NOV/2006
VCP	HOMETEK	--	--

2 TEST PROCEDURE

According to **IEC 61000-4-2 (2001)**

According to **EN 55024 (1998) + A1 (2001) + A2 (2003)**

3 TEST SETUP



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

4 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

5 EUT OPERATION CONDITION

Same as “Conducted Power Line test”, section 5

6 TEST CONDITION

6.1 Test Level :

(A) ±2, 4, 8KV for air discharge.

(B) ±2, 4KV for contact discharge.

6.2 Number of test : 10 Discharges / Test point / Polarity / Level

Particular requirements : at least 200 discharges, 100 each at negative and positive polarity, at a minimum of four test points.

6.3 Time between test : 1 sec.

6.4 Temperature : 25 ℃

6.5 Humidity : 54 % RH.

7 PERFORMANCE CRITERIA

A. The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.

B. The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.

C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

8 TEST RESULT

Test Point	Air Discharge	Contact Discharge	Performance Criteria	Result
HCP	---	±2, 4KV	B	**PASSED**
VCP	---	±2, 4KV	B	**PASSED**
CASE	±2, 4, 8KV	±2, 4KV	B	**PASSED**
I/O PROTS	±2, 4, 8KV	±2, 4KV	B	**PASSED**
LED	±2, 4, 8KV	±2, 4KV	B	**PASSED**
SCREWS	±2, 4, 8KV	±2, 4KV	B	**PASSED**
DC SOCKET	±2, 4, 8KV	±2, 4KV	B	**PASSED**

※ The screen was flash and snowflakes in the picture during the test, After the test, EUT resume automatically.

9 Photos of test configuration please refer to appendix A.

RADIO FREQUENCY ELECTROMAGNETIC FILE IMMUNITY TEST (RS)

1 TEST INSTRUMENTS & FACILITIES

Item	Instruments Facilities	Manufacturer	Model # Serial #	Data Of Cal.
1	SIGNAL GENERATOR	ROHDE & SCHWARZ	SMY02 845181/025	MAR/2007
2	AMPLIFIER	AMPLIFIER RESEARCH	100W1000M1A	N/A
3	FIELD SENSOR	AMPLIFIER RESEARCH	FP2000	AUG/2006
4	FIELD MONITOR	AMPLIFIER RESEARCH	FM2000	AUG/2006
5	RF VOLTMETER	BOONTON	9200C 361701AA	MAR/2007
6	RF PROBE	BOONTON	952001B 37082	MAR/2007
7	DIRECTION COUPLER	AMPLIFIER RESEARCH	DC6180 20521	N/A
8	ANTENNA	EMCO	3142B S/N: 1789	N/A
9	CONTROL PC	KB TECH	KB P586/133	--

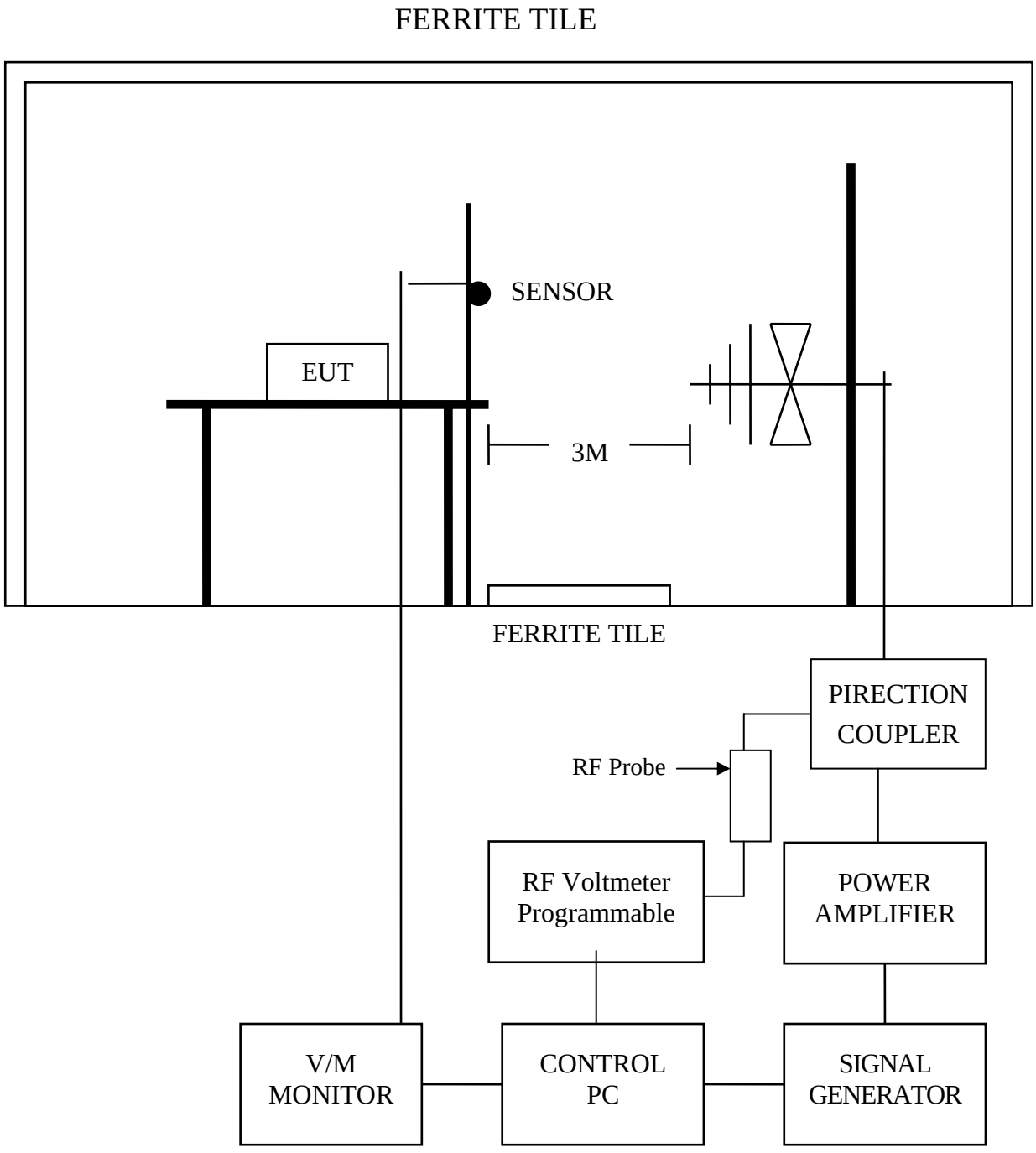
Note : Items 3 ~ 4 were calibrated with two years and verified before testing.

2 TEST PROCEDURE

According to **IEC 61000-4-3 (2002)**

According to **EN 55024 (1998) + A1 (2001) + A2 (2003)**

3 TEST SETUP



3.1 Chamber Size :

12M x 5M x 5M

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

4 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

5 OPERATION CONDITION OF EUT

Same as “Conducted Power Line test”, section 5

6 TEST CONDITION

6.1 Frequency Range : 80 MHz ~ 1000 MHz

(Frequency Range : 1.4 GHz ~ 2.0 GHz is not applicable for EN55024:1998+A1:2001+A2:2003)

6.2 Filed Strength : 3 V / M (1KHz 80% Modulation)

6.3 Frequency Step : 1 %, 3 sec. / each step size

6.4 Antenna Polarity : HORIZONTAL & VERTICAL

6.5 The four sides of EUT are tested
(FRONT, REAR, RIGHT, LEFT)

6.6 Temperature : 26 ℃

6.7 Humidity : 70 % RH

7 PERFORMANCE CRITERIA

A. The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.

B. The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.

C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

8 TEST RESULT

ANT / SIDE	HORIZONTAL	VERTICAL	RESULT
FRONT	A	A	PASSED
REAR	A	A	PASSED
RIGHT	A	A	PASSED
LEFT	A	A	PASSED

9 Photos of test configuration please refer to appendix A.

ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST (EFT)

1 TEST INSTRUMENTS & FACILITIES

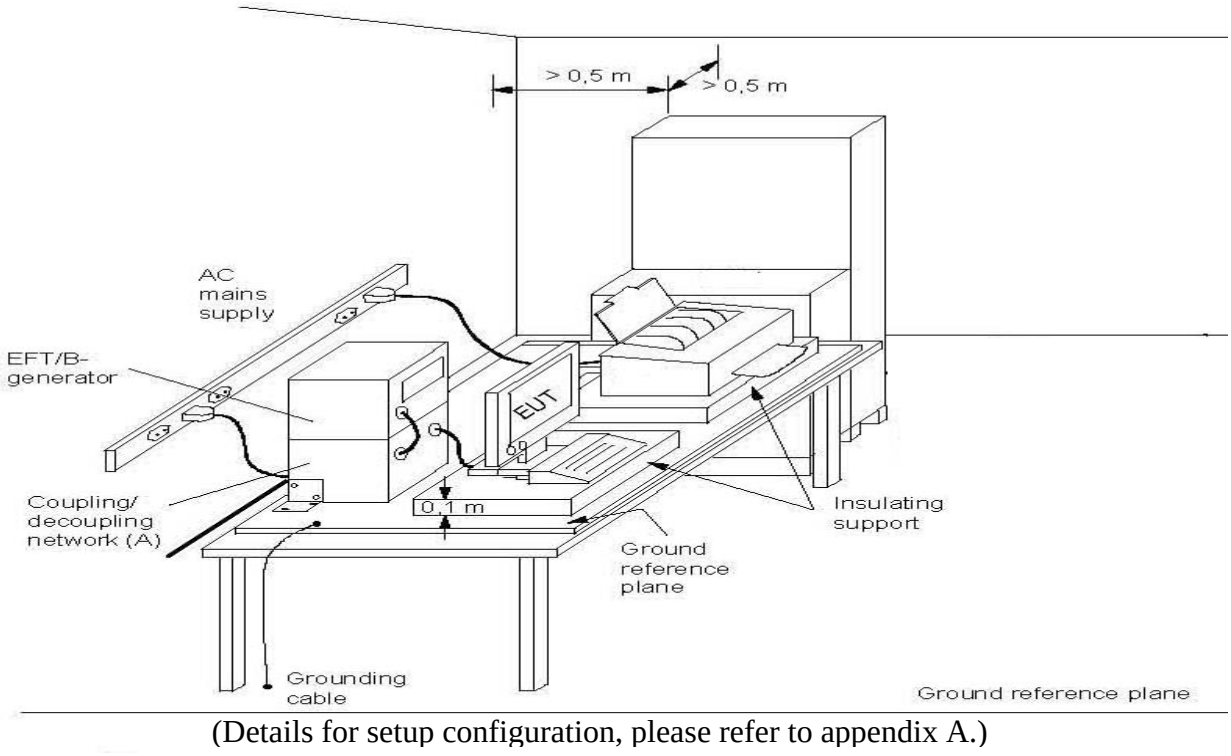
Instruments/ Facilities	Manufacturer	Model # Serial #	Data Of Cal.
BURST-TESTER	HAEFELY	PEFT/JUNIOR	FEB/2007
CONTROL PC	KB TECH	KB P586/133	--

2 TEST PROCEDURE

According to **IEC 61000-4-4 (2004)**

According to **EN 55024 (1998) + A1 (2001) + A2 (2003)**

3 TEST SETUP



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

Note: length between clamp and the EUT to be tested (should be 0.5 m ± 0.05 m)

(A) location for supply line coupling

(B) location for signal line coupling

4 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

5 OPERATION CONDITION OF EUT

Same as “Conducted Power Line test”, section 5

6 TEST CONDITION

6.1 Pulse Rise time & Duration : 5 nS / 50 nS

6.2 Pulse Repetition : 5 kHz

6.3 Polarity : POSITIVE / NEGATIVE

6.4 Test Voltage : ±0.5KV, ±1KV

6.5 Coupling of power line :
L, N, L+N

6.6 Test Voltage of Signal Control Line : ±0.25KV, ±0.5KV

6.7 Temperature : 26 ℃

6.8 Humidity : 70 % RH

7 PERFORMANCE CRITERIA

A. The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.

B. The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.

C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

8 TEST RESULT

TEST VOLTAGE	L	N	L+N
±0.5KV	B	B	B
±1KV	B	B	B

※ The screen was flash and snowflakes in the picture during the test, After the test, EUT resume automatically.

Signal Control Line :

TEST VOLTAGE	PERFORMACE CRITERIA
±0.25KV	A
±0.5KV	A

8.1 Model : TDA102

8.2 Final Result : PASSED

8.3 Remark :

9 Photos of test configuration please refer to appendix A.

SURGE IMMUNITY TEST

1 TEST INSTRUMENTS & FACILITIES

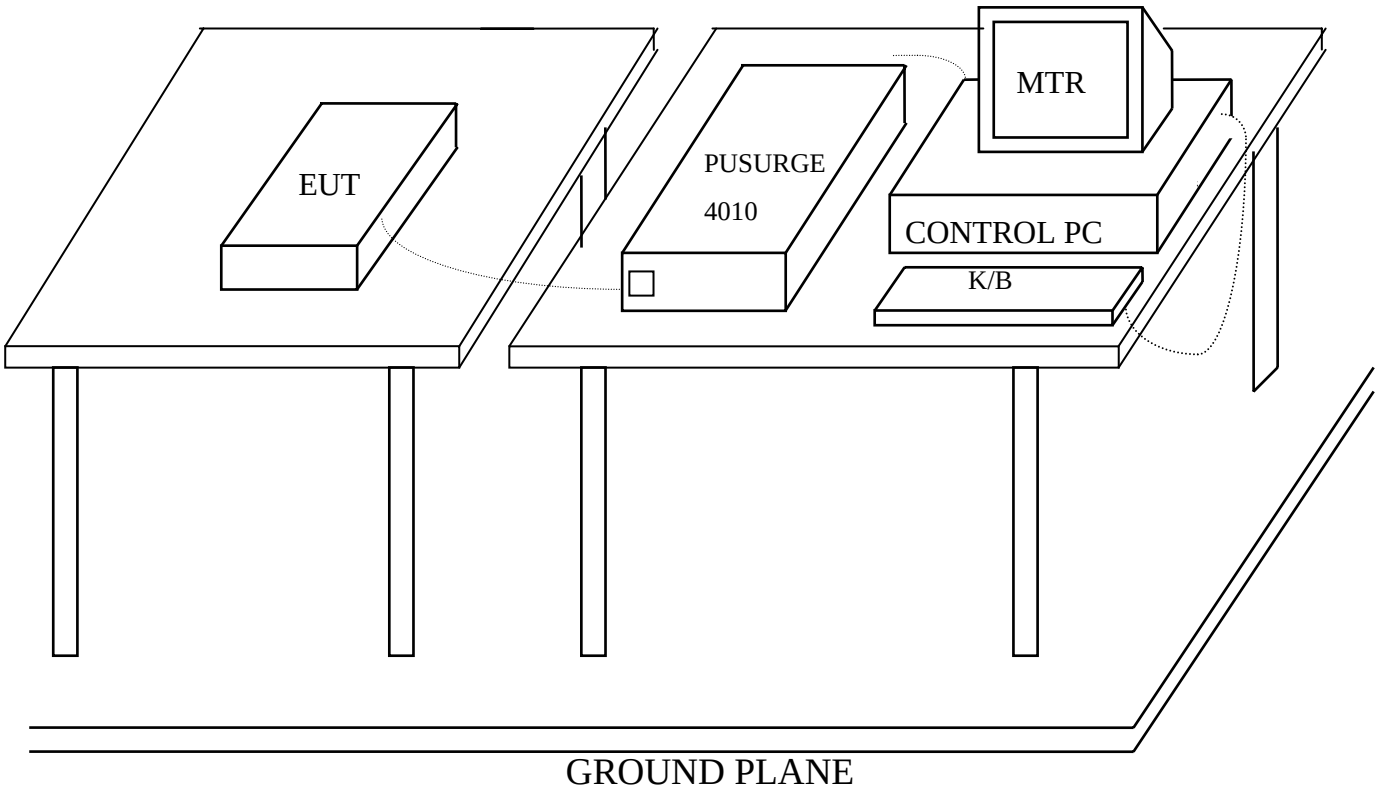
Instruments/ Facilities	Manufacturer	Model # Serial #	Data Of Cal.
SURGER-TESTER	HAEFELY	PSURGE 4010 583334-38	FEB/2007
CONTROL PC	KB TECH	KB P586/133	--

2 TEST PROCEDURE

According To **IEC 61000-4-5 (2001)**

According To **EN 55024 (1998) + A1 (2001) + A2 (2003)**

3 TEST SETUP



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

4 TEST LEVELS

☑ Input and Output AC Power Ports.
☐ DC Input and DC Output Power Ports.

Environmental Phenomena	Test Specification		Units	Performance Criteria
	AC	DC		
Surges	1.2 / 50 (8/20)		Tr /Th us	
Line to Line	±1	±0.5	KV (Charge Voltage)	B

5 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

6 EUT OPERATION CONDITION

Same as “Conducted Power Line test”, section 5

7 CONDITIONS DURING TESTING

7.1 Coupling of power line :

(A) Line to Line ±1KV (AC) or ±0.5KV (DC)

7.2 Polarity : POSITIVE / NEGATIVE

7.3 Phase shifting in a range between 0°to 360°

7.4 Repletion rate at least 1 per min

7.5 Temperature : 26 ℃ (15℃ ~ 35℃)

Humidity : 70 % RH.(10 % ~ 75%)

8 PERFORMANCE CRITERIA

A. The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.

B. The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.

C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

9 TEST RESULT

Environmental Phenomena	Test Specification	Units	Performance
Line to Line	±1	KV (Charge Voltage)	A

9.1 Model : TDA102

9.2 Final Result : PASSED

9.3 Remark :

10 Photos of test configuration please refer to appendix A.

IMMUNITY TEST TO CS CONDUCTED DISTURBANCE

1 TEST INSTRUMENTS & FACILITIES

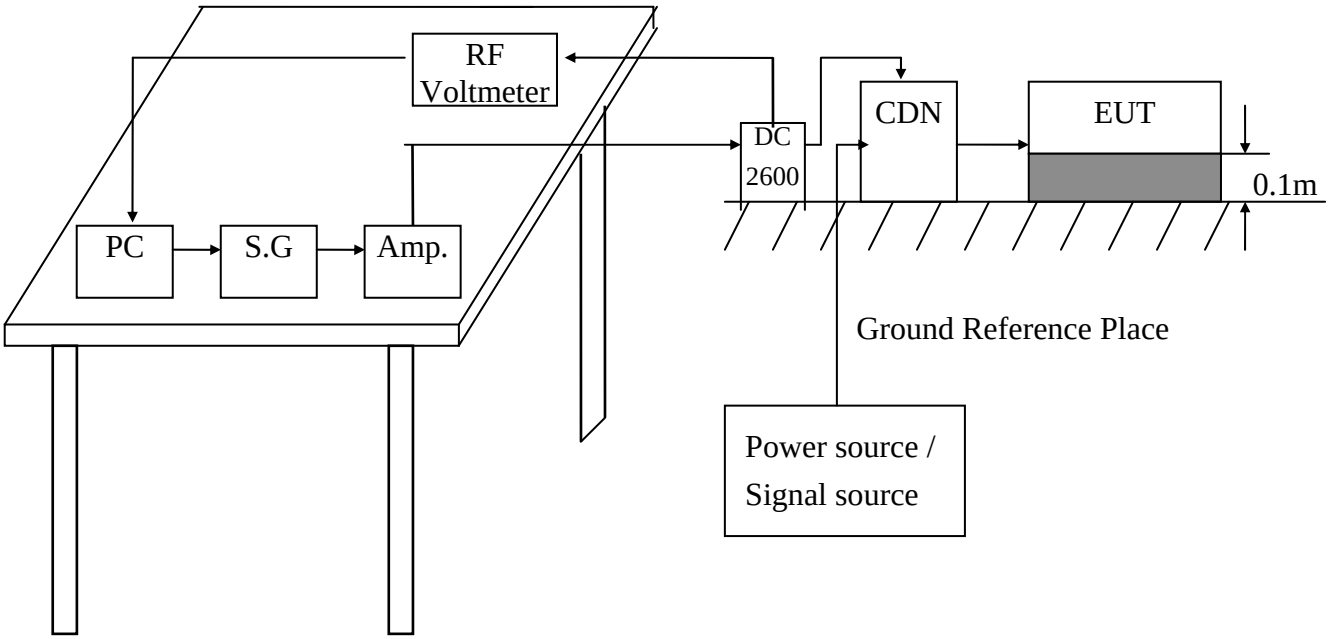
Instruments/ Facilities	Manufacturer	Model # Serial #	Date Of Cal.
SIGNAL GENERATOR	ROHDE & SCHWARZ	SMY02 845181/025	MAR/2007
AMPLIFIER	AMPLIFIER RESEARCH	75A250 25680	N/A
RF VOLTMETER	BOONTON	9200C 361701AA	MAR/2007
RF PROBE	BOONTON	952001B 37082	MAR/2007
DIRECTION COUPLER	AMPLIFIER RESEARCH	DC2600 20508	N/A
COUPLING DECOUPLING NETWORK	FCC	FCC-801-M3-25A 9993	FEB/2007
CONTROL PC	KB TECH	KB P586/133	--

2 TEST PROCEDURE

According To **IEC 61000-4-6 (2003) + A1 (2004)**

According To **EN 55024 (1998) + A1 (2001) + A2 (2003)**

3 TEST SETUP



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

4 TEST LEVELS

☑ Ports for signal lines and control lines.
☐ DC input and DC output power ports.
☑ Input and Output AC Power Ports.
☐ Functional earth Ports.

Environmental	Test Specification	Units	Perfermance
Radio-frequency	0.15 - 80	MHz	
Common mode	3	V	A
	80	% AM (1KHz)	

5 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

6 EUT OPERATION CONDITION

Same as “Conducted Power Line test”, section 5

7 CONDITIONS DURING TESTING

7.1 The EUT tested type :

☑ Single unit

☐ Multiple unit

7.2 Dwell time : < 1%

7.3 Temperature : 26 ℃ (15℃ ~ 35℃)

Humidity : 70 % RH.(10 % ~ 75%)

8 PERFORMANCE CRITERIA

A. The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.

B. The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.

C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

9 TEST RESULT

TEST Specification	Unit	Perfermance Criteria
0.15 - 80	MHz	
3	V	A
80	% AM (1KHz)	

9.1 Model : TDA102

9.2 Final Result : PASSED

9.3 Remark :

10 Photos of test configuration please refer to appendix A.

POWER FREQUENCY MAGNETIC FIELD IMMUNITY TEST

1 TEST INSTRUMENTS & FACILITIES

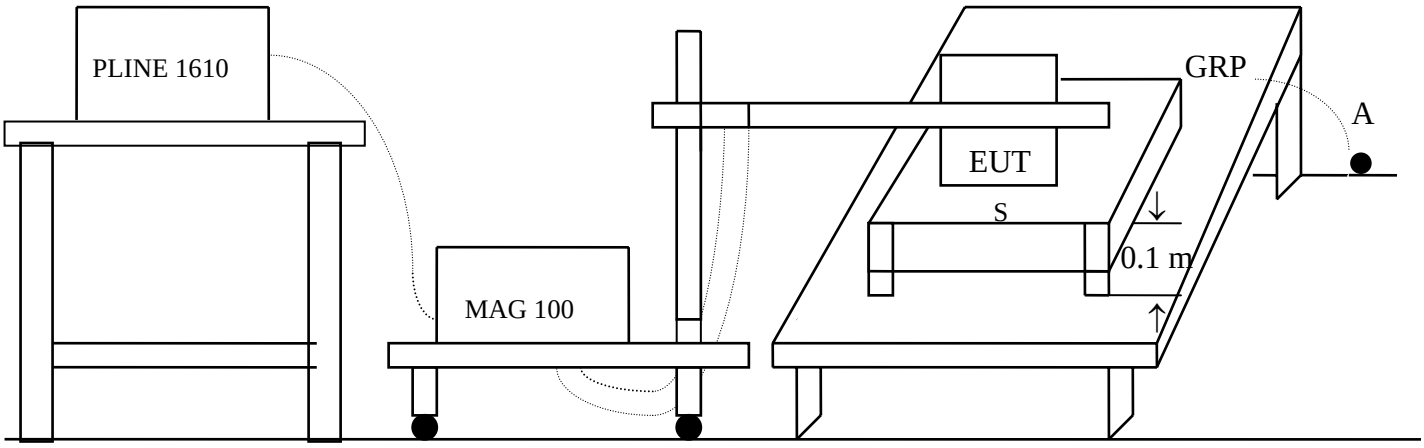
Instruments/ Facilities	Manufacturer	Model # Serial #	Data Of Cal.
LINE INTERFERENCE TESTER	HAEFELY	PLINE 1610 080166-10	FEB/2007
MAGNETIC FIELD TESTER	HAEFELY	MAG 100.1 080206-01	N/A
TRIAXIAL ELF MAGNETIC FIELD METER	F.W.BELL	4080 9645	AUG/2006
CONTROL PC	KB TECH	KB P586/133	--

2 TEST STANDARD

According To **IEC 61000-4-8 (2001)**

According To **EN 55024 (1998) + A1 (2001) + A2 (2003)**

3 TEST SETUP



S: Insulating support
A: Safety earth
GRP: Ground plane

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

4 TEST LEVELS

Environmental Phenomena	Test Specification	Units	Performance Criteria
Power Frequency	50	HZ	
Magnetic Field	1	A/m	B

5 CONFIGURATION OF THE EUT

Same as “Conducted Power Line test”, section 4

6 OPERATION CONDITION OF EUT

Same as “Conducted Power Line test”, section 5

7 CONDITIONS DURING TESTING

7.1 Temperature : 26 ℃ (15℃ ~ 35℃)

Humidity : 70 % RH.(25 % ~ 75%)

7.2 The induction coil shall be rotated by 90°

8 PERFORMANCE CRITERIA

A. The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.

B. The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.

C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

9 TEST RESULTS

Environmental Phenomena	Test Specification	Units	Performance Criteria
Magnetic Field	1	A/m	A

9.1 Model : TDA102

9.2 Final Results : PASSED

9.3 Remark :

10 Photos of test configuration please refer to appendix A.

VOLTAGE DIPS, SHORT INTERRUPTIONS IMMUNITY TEST

1 TEST INSTRUMENTS & FACILITIES

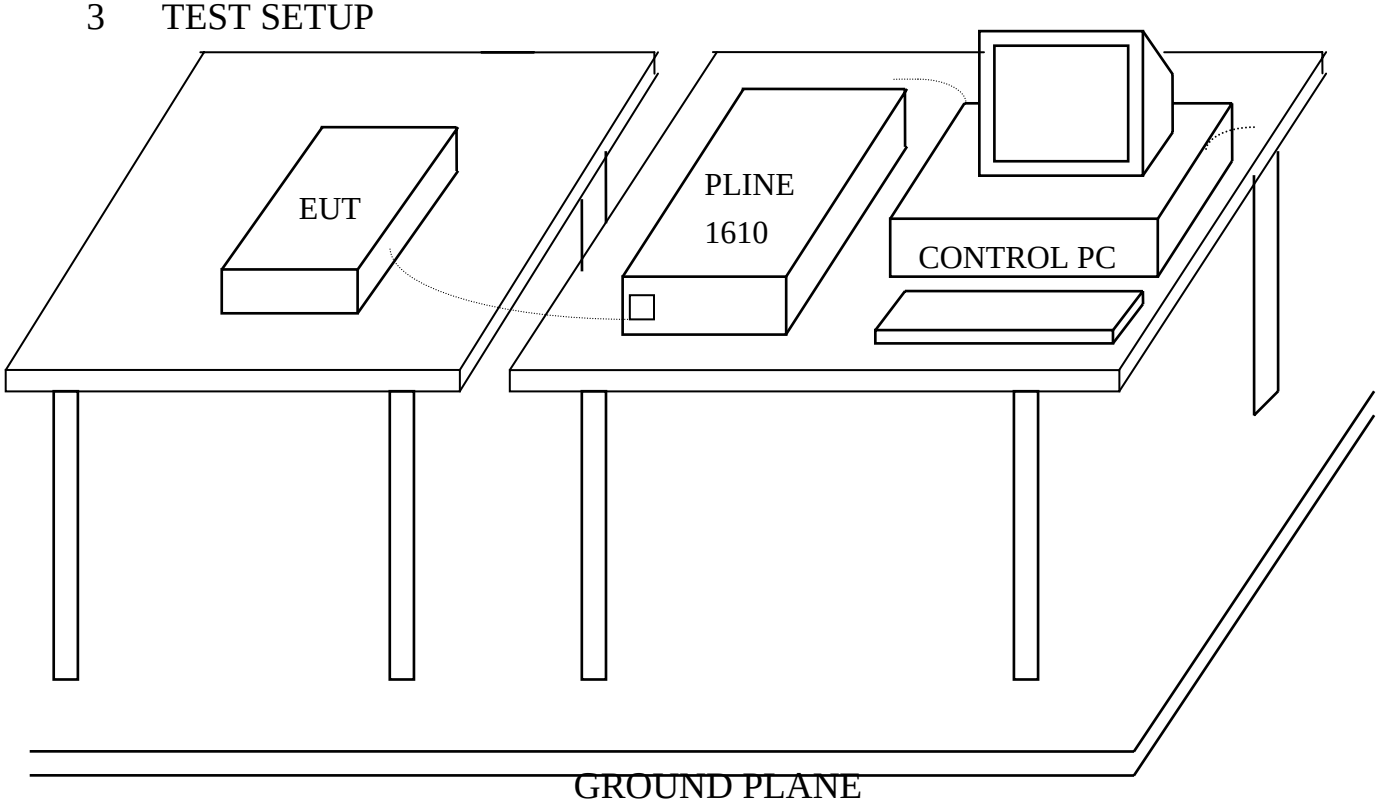
Instruments/ Facilities	Manufacturer	Model # Serial #	Data Of Cal.
LINE INTERFERENCE -TESTER	HAEFELY	PLINE 1610 080166-10	FEB/2007
CONTROL PC	KB TECH	KB P586/133	--

2 TEST PROCEDURE

According To **IEC 61000-4-11 (2004)**

According To **EN 55024 (1998) + A1 (2001) + A2 (2003)**

3 TEST SETUP



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

4 TEST LEVELS

Input and Output AC Power Ports.

- ☑ Voltage Dips.
- ☑ Voltage Interruptions.

Class[a]	Test level and durations for voltage dips				
Class 1	Case-by-case according to the equipment requirements				
Class 2	0 % during 1/2 cycle	0 % during 1 cycle	70 % during 25/30[c] cycles		
Class 3	0 % during 1/2 cycle	0 % during 1 cycle	40 % during 10/12[c] cycles	70 % during 25/30[c] cycles	80 % during 250/300[c] cycles

a: Classes as per IEC 61000-2-4.
b: To be defined by product committee. For equipment connected directly or indirectly to the public network, the levels must not be less severe than Class 2.
c: "25/30 cycles" means "25 cycles for 50 Hz test" and "30 cycles for 60 Hz tet".

Class[a]	Test level and durations for short interruptions (t_s) (50Hz / 60Hz)
Class 1	Case-by-case according to the equipment requirements
Class 2	0 % during 250/300[c] cycles
Class 3	0 % during 250/300[c] cycles
Class X[b]	X

a: Classes as per IEC 61000-2-4.
b: To be defined by product committee. For equipment connected directly or indirectly to the public network, the levels must not be less severe than Class 2.
c: "250/300 cycles" means "250 cycles for 50 Hz test" and "300 cycles for 60 Hz test".

※ According to the specification of EUT, Class 2 is applied.

5 CONFIGURATION OF THE EUT

Same as "Conducted Power Line test", section 4

6 EUT OPERATION CONDITION

Same as "Conducted Power Line test", section 5

7 CONDITIONS DURING TESTING

7.1 Temperature : 26 ℃ (15℃ ~ 35℃)
Humidity : 70 % RH.(25 % ~ 75%)

8 PERFORMANCE CRITERIA

A. The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.

B. The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.

C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

9 TEST RESULT

Environmental Phenomena	Test Specification	Units	Perform Criteria
Voltage Dips	0 1/2	% during Cycle	A
	0 1	% during Cycle	C
	70 25	% during Cycles	C
Voltage Short Interruptions	0 250	% during Cycles	C

9.1 Model : TDA102

9.2 Final Results : PASSED

9.3 Remark :

10 Photos of test configuration please refer to appendix A.

Appendix A

PHOTOS OF TEST CONFIGURATION

PHOTO OF CONDUCTED POWER LINE TEST

Model : TDA102

Front View

Rear View

PHOTO OF RADIATED EMISSION TEST

Model : TDA102

Front View

Rear View

PHOTO OF HARMONICS & VOLTAGE FLUCTUATIONS TEST AND SURGE IMMUNITY TEST AND VOLTAGE DIPS, SHORT INTERRUPTIONS IMMUNITYTEST

Model : TDA102

PHOTO OF ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST

PHOTO OF ELECTROSTATIC DISCHARGE IMMUNITY TEST (ESD)

Model : TDA102

PHOTO OF POWER FREQUENCY MAGNETIC FIELD IMMUNITY TEST

PHOTO OF RADIO FREQUENCY ELECTROMAGNETIC FILE IMMUNITY TEST (RS)

Model : TDA102

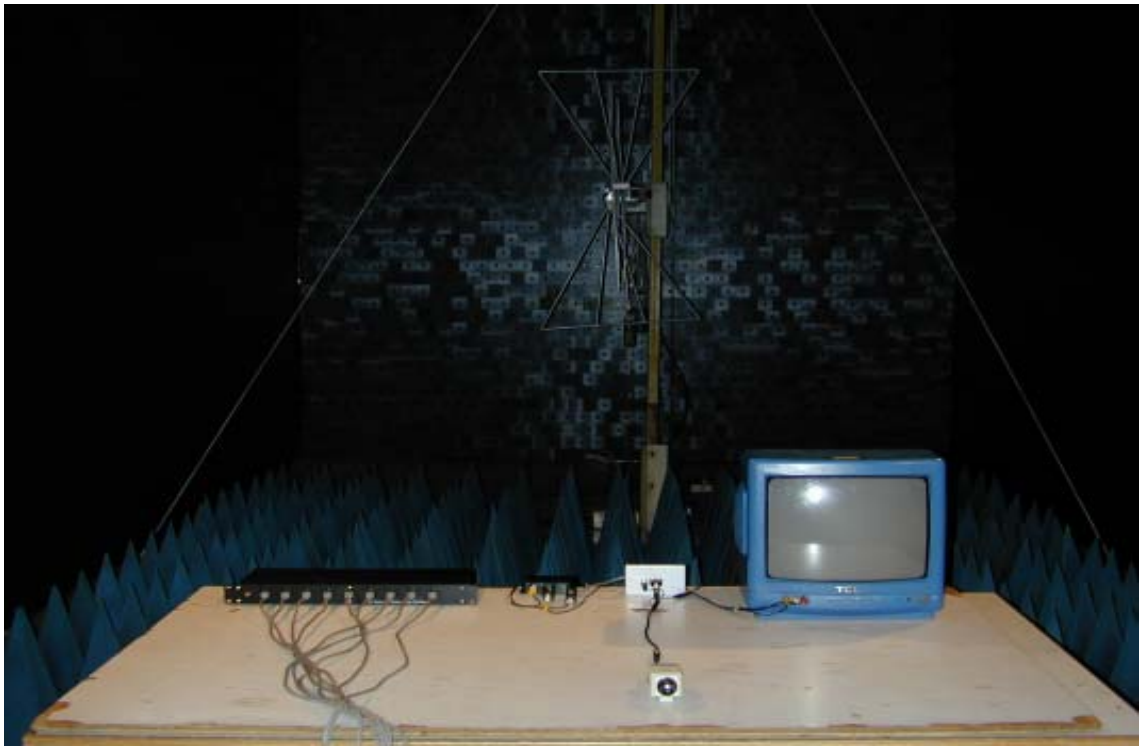


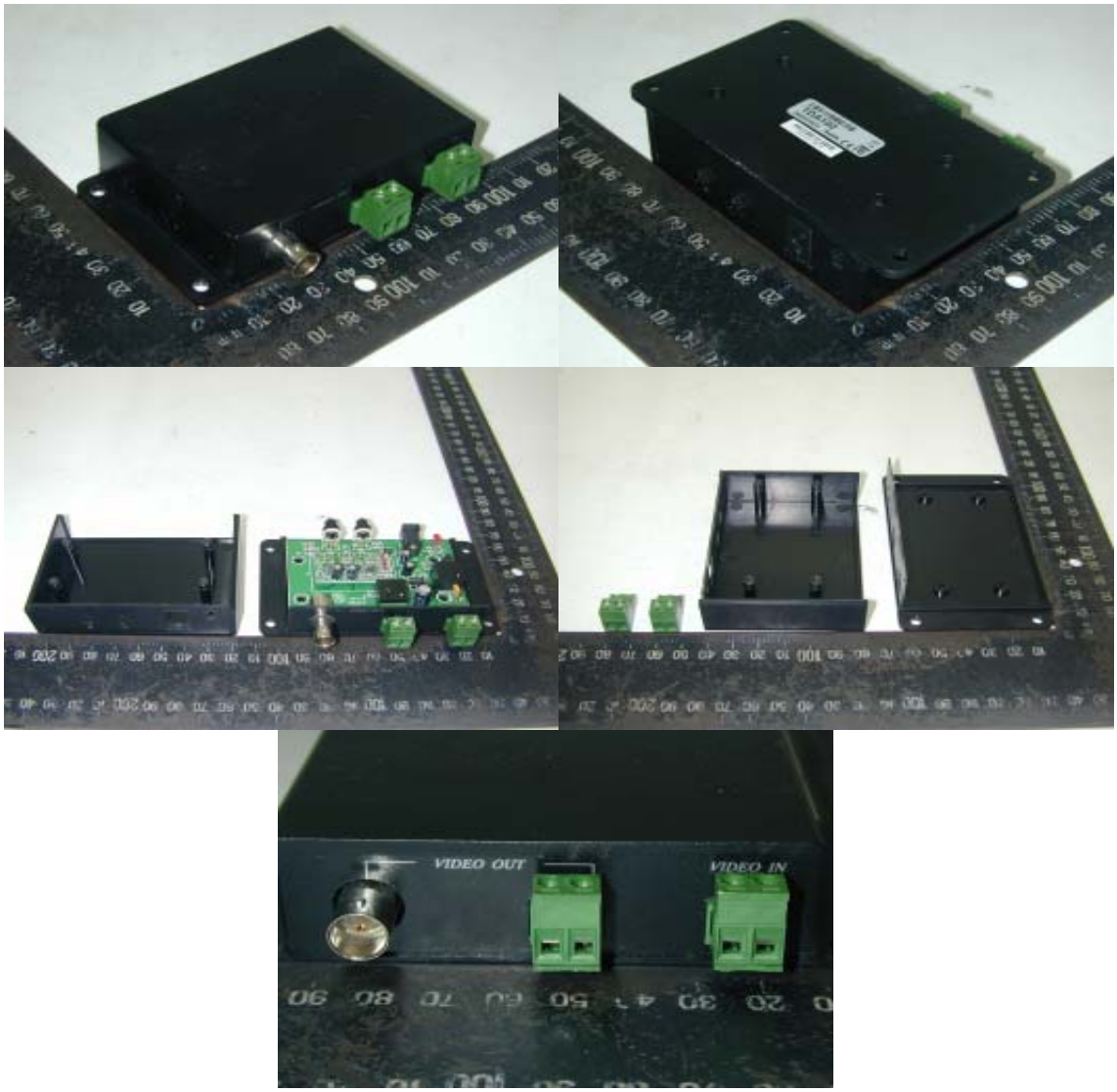
PHOTO OF CS CONDUCTED DISTURBANCE IMMUNITY TEST

Appendix B

PHOTOS OF EUT

PHOTO OF EUT

Model : TDA1XXX

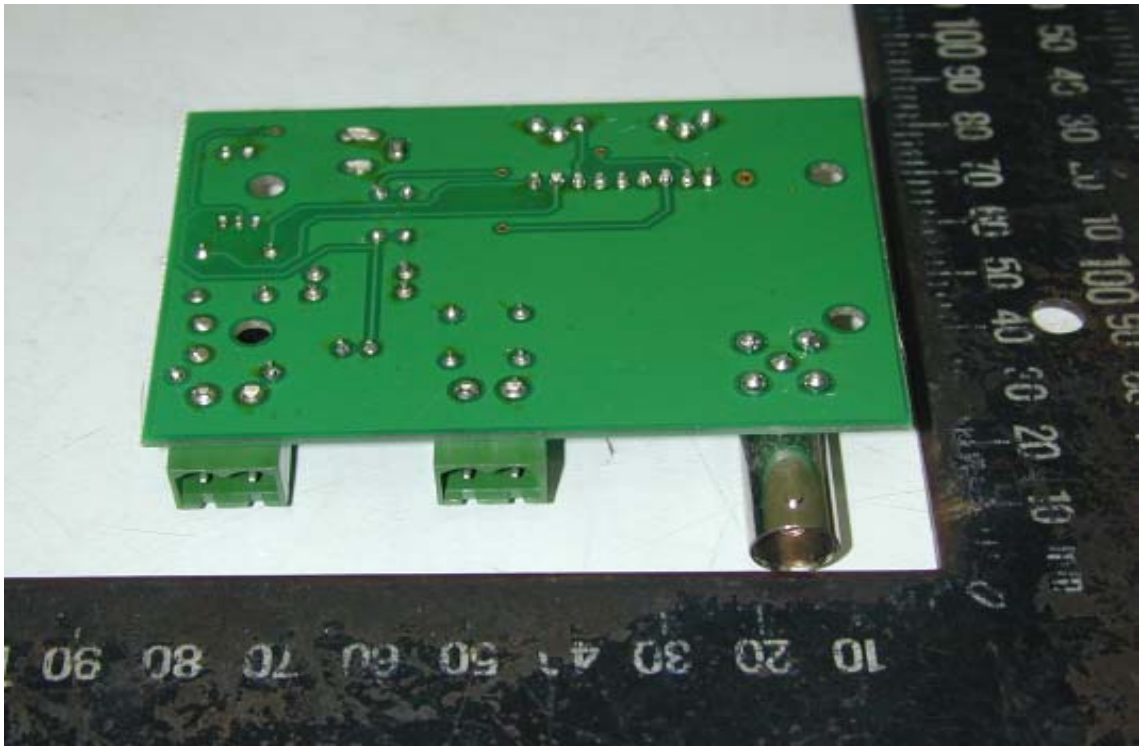


Full View of EUT

PHOTO OF EUT

Model : TDA1XXX

Component Side of Main Board



Solder Side of Main Board

PHOTO OF EUT

Front View of Adapter (Model: ADP12500N-2)

Rear View of Adapter (Model: ADP12500N-2)

Declaration of Conformity

We(Manufacturer/Importer)

_____

(company name)

_____

(address)

declares under our sole responsibility that the product

Product name : Twisted Pair 1 input To 2 Output Video Distributor

Model No. : TDA1XXX

to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

☑	EN 55022 Class B	(1998)	☑	EN 55024	(1998)
	+ A1	(2000)		+ A1	(2001)
	+ A2	(2003)		+ A2	(2003)
☑	EN 61000-3-2	(2000)	☑	IEC 61000-4-2	(2001)
☑	EN 61000-3-3	(1995)	☑	IEC 61000-4-3	(2002)
	+ A1	(2001)	☑	IEC 61000-4-4	(2004)
			☑	IEC 61000-4-5	(2001)
			☑	IEC 61000-4-6	(2003)
				+ A1	(2004)
			☑	IEC 61000-4-8	(2001)
			☑	IEC 61000-4-11	(2004)

following the provisions of 2004/108/EC Directive

Place: _____ Signature: _____

Date : _____ Full name: _____

CE Title: _____

EB6E014

TÜV Rheinland Taiwan Ltd.

TÜV

Certificate

of

Appointment

for the applicant:

Hometek Technology Inc.
No. 67-9, Shir Men Rd., Tu-Cheng City,
Taipei Hsien 236, Taiwan, R.O.C.

has been authorized to carry out EMC tests by order and under supervision of TÜV Rheinland. It has successfully demonstrated capability to conduct measurement and to process test data according to:

European and International EMC Standards as listed in the Scope of Authorization on the attachment to this certificate

An assessment of the facility was conducted by TÜV Rheinland auditors according to the TÜV Rheinland requirements for "Test Site Approval" with reference to

ISO 17 025:1999

Certificate No. : 10012161-2006 **Valid until : June 14, 2007**

TÜV Rheinland Taiwan Ltd.
Taipei, April 13, 2006

Dipl.-Ing. Andreas Klinker
Certification Body

Dipl.-Ing. Bodo Kretzschmar
Product Safety and Quality

TÜV

Attachment to

Certificate

of Appointment

SCOPE OF AUTHORIZATION

Hometek Technology Inc.
No. 67-9, Shir Men Rd., Tu-Cheng City,
Taipei Hsien 236, Taiwan, R.O.C.

European Standards

EN 50081-1	EN 61000-3-2	ENV 50140
EN 50081-2	EN 61000-3-3	ENV 50141
EN 50082-1	EN 61000-6-1	ENV 50204
EN 50130-4	EN 61000-6-2	
EN 50091-2	EN 61000-6-3	
EN 55011	EN 61000-6-4	
EN 55013	EN 61000-3-11	
EN 55014-1	EN 61000-4-2	
EN 55014-2	EN 61000-4-3	
EN 55022	EN 61000-4-4	
EN 55024	EN 61000-4-5	
EN 60601-1-2	EN 61000-4-6	
EN 60801	EN 61000-4-8	
EN 60945	EN 61000-4-11	
	EN 61204-3	

International Standards

CISPR 11	IEC 61000-4-2	IEC 61000-3-2
CISPR 13	IEC 61000-4-3	IEC 61000-3-3
CISPR 14-1	IEC 61000-4-4	IEC 61000-3-11
CISPR 14-2	IEC 61000-4-5	IEC 61000-6-1
CISPR 22	IEC 61000-4-6	IEC 61000-6-2
CISPR 24	IEC 61000-4-8	IEC 61000-6-3
	IEC 61000-4-11	IEC 61000-6-4
IEC 801.2	IEC 61000-4-12	IEC 60945
IEC 801.3		
IEC 801.4		

Certificate No. : 10012161-2006

Taipei, April 13, 2006

Dipl.-Ing. Bodo Kretzschmar
Product Safety and Quality