Certificate of Conformity

The products

EUT : Video Distributor & Video Amplifier Series
Trade Name : SC&T
Model No. : CAX0XXX

which produced by

SMART CABLING & TRANSMISSION CORP
10F, No.493, Chung-Cheng Rd., Hsin Tien City,
Taipei County, 231, Taiwan

Has been tested by Electronics Testing Center, Taiwan ETC
And was found to comply with the EMC requirements of Directive 2004/108/EC on the basis of

EN 55013:2001/A1:2003/A2:2006
EN 61000-6-1:2007
IEC 61000-4-2:2008, IEC 61000-4-3:2006/A1:2007,
IEC 61000-4-4:2004, IEC 61000-4-5:2005,
IEC 61000-4-6:2008, IEC 61000-4-11:2004

Will Yauo

Signature
Will Yauo
Manager of EMC Testing Department II
Electronics Testing Center, Taiwan

EMC TESTING DEPARTMENT II 財團法人台灣電子檢驗中心 ELECTRONICS TESTING CENTER, TAIWAN ETC.

Report Number : 09-05-RBF-070
Date of Issue: Aug. 12, 2009

Note:1.The results of the Test Report relate only to the items tested.
2.The Test Report shall not be reproduced except in full, without the written approval of ETC.
3.Together with the applicant's own documented production control, the applicant (or his European authorized representative) could draw up an EC Declaration of Conformity and affix the CE marking.
4.EC Declaration of Conformity is the responsibility of the manufacturer/ importer.

ELECTRONICS TESTING CENTER, TAIWAN
NO. 34. LIN 5. DINGFU TSUEN,
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CE

EMC

TEST REPORT

Responsible Party	: ***SMART CABLING & TRANSMISSION CORP***
Manufacturer	: ***SMART CABLING & TRANSMISSION CORP***
Description of Product	: ***Video Distributor & Video Amplifier Series***
Trade Name	: ***SC&T***
Model No.	: ***CAX0XXX***
Test Report File No.	: ***09-05-RBF-070***
Date Test Item Received	: ***MAY 09, 2009***
Date Test Campaign Completed	: ***Aug. 12, 2009***
Date of Issue	: ***Aug. 12, 2009***

Test Performed by

ELECTRONICS TESTING CENTER (ETC) , TAIWAN

NO. 34, LIN 5, DING FU TSUN, LINKOU HSIANG,
TAIPEI HSIEN, TAIWAN, R.O.C
TEL : (02)26023052 FAX : (02)6010910
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Note : 1. The results of the Test Report relate only to the items tested.
2. The Test Report shall not be reproduced except in full, without the written approval of ETC.

CONTENTS

1. TEST REPORT CERTIFICATION

Client	:	SMART CABLING & TRANSMISSION CORP
Address	:	10F, No.493, Chung-Cheng Rd., Hsin Tien City, Taipei County, 231, Taiwan
Manufacturer	:	SMART CABLING & TRANSMISSION CORP
Address	:	10F, No.493, Chung-Cheng Rd., Hsin Tien City, Taipei County, 231, Taiwan
EUT	:	Video Distributor & Video Amplifier Series
Trade name	:	SC&T
Model No.	:	CAX0XXX
Emission		EN 55013:2001/A1:2003/A2:2006
Immunity	:	IEC 61000-4-2:2008 IEC 61000-4-3:2006/A1:2007 IEC 61000-4-4:2004 IEC 61000-4-5:2005 IEC 61000-4-6:2008 IEC 61000-4-11:2004
Regulations applied	:	EN 55013:2001/A1:2003/A2:2006 EN 61000-6-1:2007

The testing described in this report has been carried out to the best of our knowledge and ability, and our responsibility is limited to the exercise of reasonable care. This certification is not intended to relieve the sellers from their legal and/or contractual obligations. Besides, the "Comment Issues" highlight above is important information for this test report. Responsible must read carefully about the description.

Test Engineer : Chris Wu / Tien Lu Liao
(Chris Wu, Engineer) (Tien Lu Liao, Engineer)

Check By : Charles Wang
(Charles Wang, Supervisor)

EMC TESTING DEPARTMENT II 灣台人法團財 心中驗證子電 容相磁電 部二驗試 ELECTRONICS TESTING CENTER, TAIWAN ETC

Approve & Authorized : Will Yauo
Will Yauo, Manager
EMC Dept. II of ELECTRONICS
TESTING CENTER, TAIWAN

Laboratory Introduction: Electronics Testing Center, Taiwan is recognized, filed and mutual recognition arrangement as following:

❶ ISO9002 : BSMI, TüV Product Service
❷ ISO/IEC 17025 : BSMI, CNLA, DGT, NVLAP, CCIBLAC, UL, Compliance
❸ EN45001 : TüV Rheinland, NEMKO, FIMKO, SGS
❹ Filing : FCC, Industry Canada, VCCI
❺ MRA : Australia, Hong Kong, New Zealand, Singapore, USA, Japan, Korea, China, APLAC through CNLA

2. GENERAL INFORMATIONS

2.1 Description of EUT:

1. Wide bandwidth, video gain compensation amplification
2. Video and Audio level adjustment.(CA101A)
3. HF compensation
4. 10dB adjustable image gain.
5. Sharpness and brightness adjustment.
6. Transmission range: 1000 meters (RG59 coaxial cable)
7. Power supply included

2.2 Related Information of EUT:

Power Supply	:	Adapter Model: ADS-B 050200 I/P: 100-240V 50~60Hz 0.5A; O/P: 5.0V								
Power Adapter	:	[X]	Nonshielded	[ ]	Shielded	[ ]	None,	Length:	1.0 m	
BNC coaxial cable	:	[ ]	Nonshielded	[X]	Shielded	[ ]	None,	Length:	3.0	mx4

* For more detailed features , please refer to *User's Manual*.

2.3 Tested Configuration:

The EUT connected with other devices.

Following peripheral devices and interface cables were connected during the measurement:

Device	Manufacturer	Model	Description
Video Distributor & Video Amplifier Series	SMART CABLING & TRANSMISSION CORP	CAX0XXX	1.5m Unshielded AC Adapter Power Cord 3.0m Shielded BNC coaxial cablex2
DVD Player	Pioneer	DVP-850AVi	1.82m Unshielded AC Adapter Power Cord
TV	Kolin	KLT-230	1.82m Unshielded AC Adapter Power Cord

Remark "*" means equipment under test.

2.4 Deviation Record:

No modifications were required. (That is the EUT complied with the requirement as tested.)

2.5 Modification Record:

No modifications were required. (That is the EUT complied with the requirement as tested.)

3. SUMMARY OF TEST RESULTS

3.1 Emissions:

3.1.1 Conducted Emissions

[X] – PASS (Neutral)

Minimum EMI Margin(QP) to the limit: -29.1 dB at 0.282 MHz

[X] – PASS (Line)

Minimum EMI Margin(QP) to the limit: -33.5 dB at 0.263 MHz

3.1.2 Radiated Emissions (Absorbing Clamp)Test Data

[X] – PASS (Cable)

Minimum EMI Margin to the limit: -14.3 dB at 31.700 MHz

[X] – PASS (AC Line)

Minimum EMI Margin to the limit: -15.2 dB at 32.700 MHz

[X] – PASS (AV Line)

Minimum EMI Margin to the limit: -14.3 dB at 31.800 MHz

3.1.3 Harmonics Current Emissions

[X] – PASS

The harmonics current values were under the limits of the class A equipment of the EN 61000-3-2.

3.1.4 Voltage Fluctuations and Flicker

[X] – PASS

The voltage fluctuations and flicker values were under the limits of the EN 61000-3-3 requirements.

3.2 Immunity

3.2.1 Immunity Criteria

The results of all of the immunity tests performed on the EUT were evaluated according to the following criteria, and according to the manufacturer's specifications for the EUT:

Performance criterion A : The EUT continued to operate as intended. No degradation of performance or loss of function was allowed below a performance level specified by the manufacturer, when the EUT was used as intended.

Performance criterion B : The EUT continued to operate as intended after the test. No degradation of performance or loss of function was allowed below a performance level specified by the manufacturer, when the EUT was used as intended. During the test, degradation of performance was however allowed. No change of actual operating state or stored data was allowed.

Performance criterion C: Temporary loss of function was allowed, provided the function was self recoverable or could be restored by the operation of the controls.

3.2.2 Electrostatic Discharge Immunity

Requirement :Criterion B (or better)

[X] - No Degradation of Function	- Satisfies Criterion A
[ ] - Distortion of Function	- Satisfies Criterion B
[ ] - Error of Function	- Satisfies Criterion C

3.2.3 RF Radiated Fields Immunity

Requirement :Criterion A

[X] - No Degradation of Function	- Satisfies Criterion A
[ ] - Distortion of Function	- Satisfies Criterion B
[ ] - Error of Function	- Satisfies Criterion C

3.2.4 EFT/Burst Immunity

Requirement :Criterion B(or better)

[X] - No Degradation of Function	- Satisfies Criterion A
[ ] - Distortion of Function	- Satisfies Criterion B
[ ] - Error of Function	- Satisfies Criterion C

3.2.5 Surge Immunity

Requirement :Criterion B (or better)

[X]	- No Degradation of Function	- Satisfies Criterion A
[ ]	- Distortion of Function	- Satisfies Criterion B
[ ]	- Error of Function	- Satisfies Criterion C

3.2.6 RF Common Mode Immunity

Requirement :Criterion A

[X]	- No Degradation of Function	- Satisfies Criterion A
[ ]	- Distortion of Function	- Satisfies Criterion B
[ ]	- Error of Function	- Satisfies Criterion C

3.2.7 Voltage Interruptions and Voltage Dips Immunity

Requirement :Criterion A

[X]	- No Degradation of Function	- Satisfies Criterion A
[ ]	- Distortion of Function	- Satisfies Criterion B
[ ]	- Error of Function	- Satisfies Criterion C

4. TEST DATA & RELATED INFORMATIONS

4.1 Emissions:

4.1.1 Conducted Emissions Test :

4.1.1.1 Conducted Emissions Test Data:

Operating Conditions of The EUT : Operating

Test Date : MAY 25, 2009

Test Specification	EN 55013:2001/A1:2003/A2:2006			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMI Test Receiver	Rohde & Schwarz	ESCI	2009/02/04	2010/02/04
LISN	Kyoritsu	KNW-403D	2008/10/06	2009/10/06
LISN	EMCO	3850/2	2009/05/07	2010/05/07
Climatic Condition	Ambient Temperature: 25 °C		Relative Humidity: 52 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Test data see the next pages.

Mode: Operating Neutral

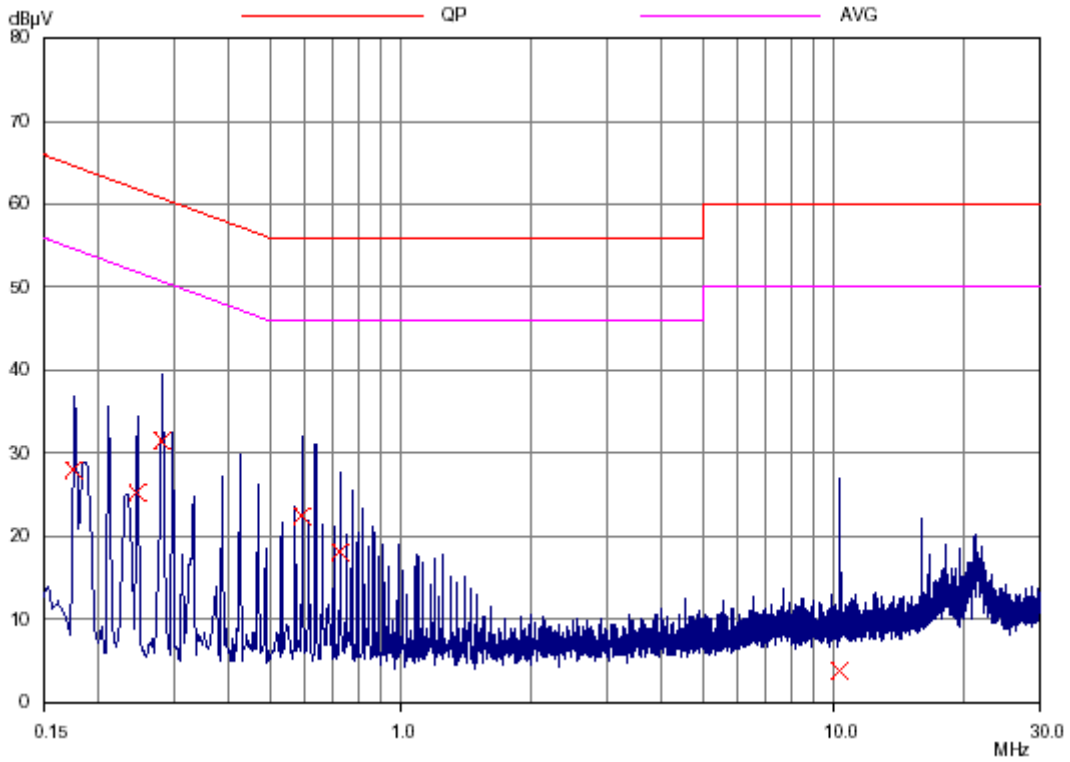
Frequency (MHz)	Meter Reading (dBμV)		Factor (dB)	Result (dBμV)		Limit (dBμV)		Margin (dBμV)	
	Q.P	AVG		Q.P	AVG	Q.P	AVG	Q.P	AVG
0.177	28.0	----	0.2	28.2	----	64.6	54.6	-36.4	----
0.240	25.1	----	0.2	25.3	----	62.1	52.1	-36.8	----
0.282	31.4	----	0.2	31.6	----	60.8	50.8	-29.1	----
0.595	22.4	----	0.3	22.7	----	56.0	46.0	-33.3	----
0.728	18.1	----	0.3	18.4	----	56.0	46.0	-37.6	----
10.402	13.7	----	0.8	14.5	----	60.0	50.0	-45.5	----

Mode: Operating Line

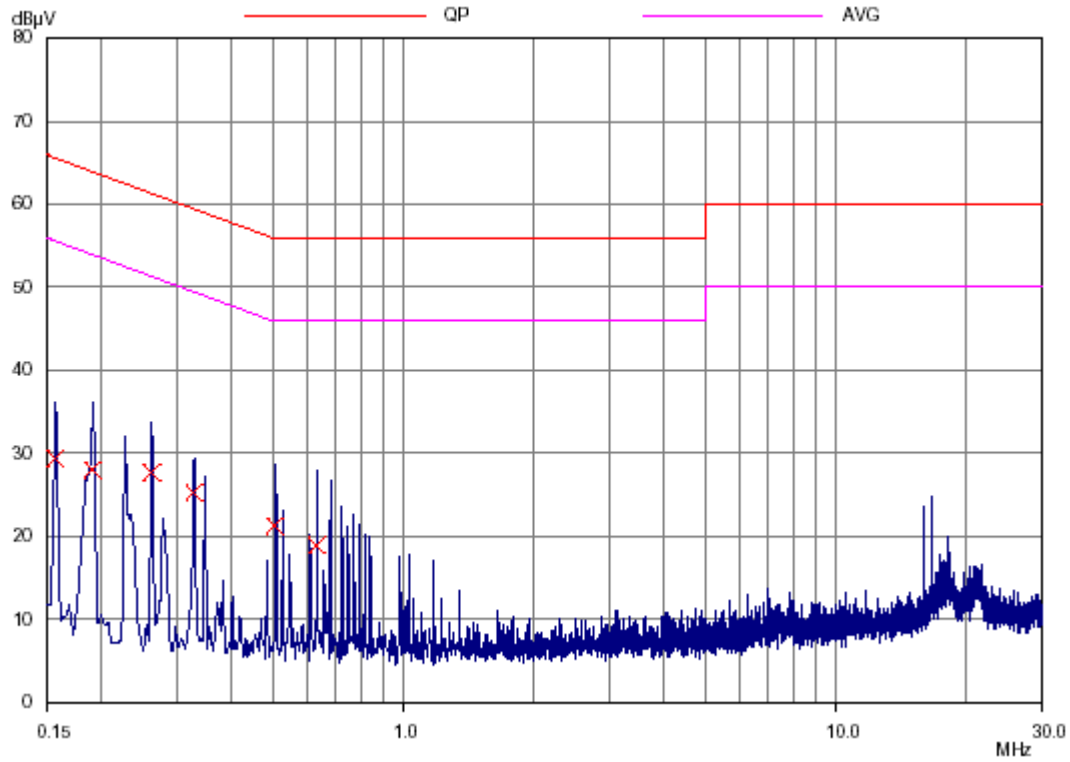
Frequency (MHz)	Meter Reading (dBμV)		Factor (dB)	Result (dBμV)		Limit (dBμV)		Margin (dBμV)	
	Q.P	AVG		Q.P	AVG	Q.P	AVG	Q.P	AVG
0.157	29.2	----	0.2	29.4	----	65.6	55.6	-36.2	----
0.192	27.9	----	0.2	28.1	----	63.9	53.9	-35.8	----
0.263	27.6	----	0.2	27.8	----	61.3	51.3	-33.5	----
0.329	25.2	----	0.3	25.5	----	59.5	49.5	-34.0	----
0.509	21.2	----	0.3	21.5	----	56.0	46.0	-34.5	----
0.634	18.9	----	0.3	19.2	----	56.0	46.0	-36.8	----

Notes: 1) Place of measurement: EMC LAB. of the ETC
2) The EUT was placed 0.8m above reference ground plane.
3) The symbol of "----" means the Q.P. value is under the limit for AVG. so, the AVG. value doesn't need to be measured.
4) The expanded uncertainty of the conducted emission tests is 2.45 dB.

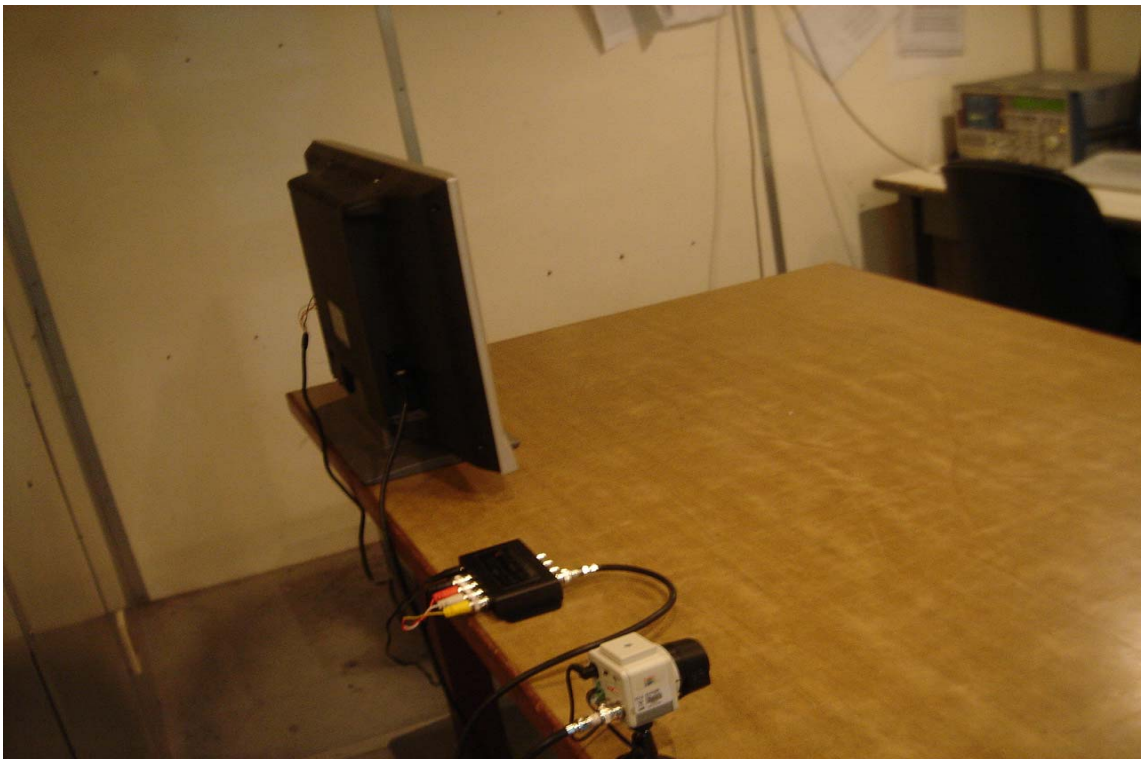
Mode: Operating Neutral



Mode: Operating Line



4.1.1.2 Conducted Emissions Test Setup Photos :



4.1.2 Radiated Emission Data(Absorbing Clamp)

4.1.2.1 Radiated Emissions (Absorbing Clamp) Test Date:

1. Operating Conditions of The EUT : Cable

Test Date : MAY 25, 2009

Test Specification	EN 55013:2001/A1:2003/A2:2006			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMI Test Receiver	Rohde & Schwarz	ESCI	2009/02/04	2010/02/04
LISN	Kyoritsu	KNW-403D	2008/10/06	2009/10/06
LISN	EMCO	3850/2	2009/05/07	2010/05/07
Absorbing Clamp	Rohde & Schwarz	MDS-21	2009/05/15	2010/05/15
Climatic Condition	Ambient Temperature: 25 °C		Relative Humidity: 67 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Emission **Frequency** (MHz)	**Meter Reading** (dBuV)		CORR'd Factor (dB)	**Results** (dBpW)		**Limit** (dBpW)		**Margins** (dB)	
	Q.P	**AVG.**		**Q.P**	**AVG.**	**Q.P**	**AVG.**	**Q.P**	**AVG.**
31.700	27.2	----	3.6	30.8	----	45.1	35.1	-14.3	----
43.500	23.6	----	0.4	24.0	----	45.5	35.5	-21.5	----
68.400	24.8	----	0.4	25.2	----	46.4	36.4	-21.2	----
94.200	25.2	----	0.2	25.4	----	47.4	37.4	-22.0	----
153.100	26.3	----	-1.4	24.9	----	49.6	39.6	-24.7	----
181.200	26.1	----	-2.0	24.1	----	50.6	40.6	-26.5	----
222.800	27.2	----	-2.4	24.8	----	52.1	42.1	-27.3	----
295.700	25.5	----	-2.3	23.2	----	54.8	44.8	-31.6	----

Notes: 1) Place of Measurement: Measuring site of the ETC

2) Remark "----" means that the emissions level is too low to be measured.

3) The expanded uncertainty of the radiated emission tests is 3.53 dB.

2. Operating Conditions of The EUT : AC Line

Test Date : MAY 25, 2009

Test Specification	EN 55013:2001/A1:2003/A2:2006			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMI Test Receiver	Rohde & Schwarz	ESCI	2009/02/04	2010/02/04
LISN	Kyoritsu	KNW-403D	2008/10/06	2009/10/06
LISN	EMCO	3850/2	2009/05/07	2010/05/07
Absorbing Clamp	Rohde & Schwarz	MDS-21	2009/05/15	2010/05/15
Climatic Condition	Ambient Temperature: 25 °C		Relative Humidity: 56 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Emission **Frequency** (MHz)	**Meter Reading** (dBuV)		CORR'd Factor (dB)	**Results** (dBpW)		**Limit** (dBpW)		**Margins** (dB)	
	Q.P	**AVG.**		**Q.P**	**AVG.**	**Q.P**	**AVG.**	**Q.P**	**AVG.**
32.700	26.3	----	3.6	29.9	----	45.1	35.1	-15.2	----
41.300	25.1	----	1.8	26.9	----	45.4	35.4	-18.5	----
66.300	25.4	----	-0.1	25.3	----	46.3	36.3	-21.0	----
93.700	26.5	----	0.2	26.7	----	47.4	37.4	-20.7	----
150.400	27.1	----	-1.2	25.9	----	49.5	39.5	-23.6	----
177.200	28.2	----	-1.9	26.3	----	50.5	40.5	-24.2	----
224.300	26.3	----	-2.5	23.8	----	52.2	42.2	-28.4	----
298.300	25.1	----	-2.2	22.9	----	54.9	44.9	-32.0	----

Notes: 1) Place of Measurement: Measuring site of the ETC

2) Remark "----" means that the emissions level is too low to be measured.

3) The expanded uncertainty of the radiated emission tests is 3.53 dB.

3. Operating Conditions of The EUT : AV Line

Test Date : MAY 25, 2009

Test Specification	EN 55013:2001/A1:2003/A2:2006			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMI Test Receiver	Rohde & Schwarz	ESCI	2009/02/04	2010/02/04
LISN	Kyoritsu	KNW-403D	2008/10/06	2009/10/06
LISN	EMCO	3850/2	2009/05/07	2010/05/07
Absorbing Clamp	Rohde & Schwarz	MDS-21	2009/05/15	2010/05/15
Climatic Condition	Ambient Temperature: 23 °C		Relative Humidity: 51 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

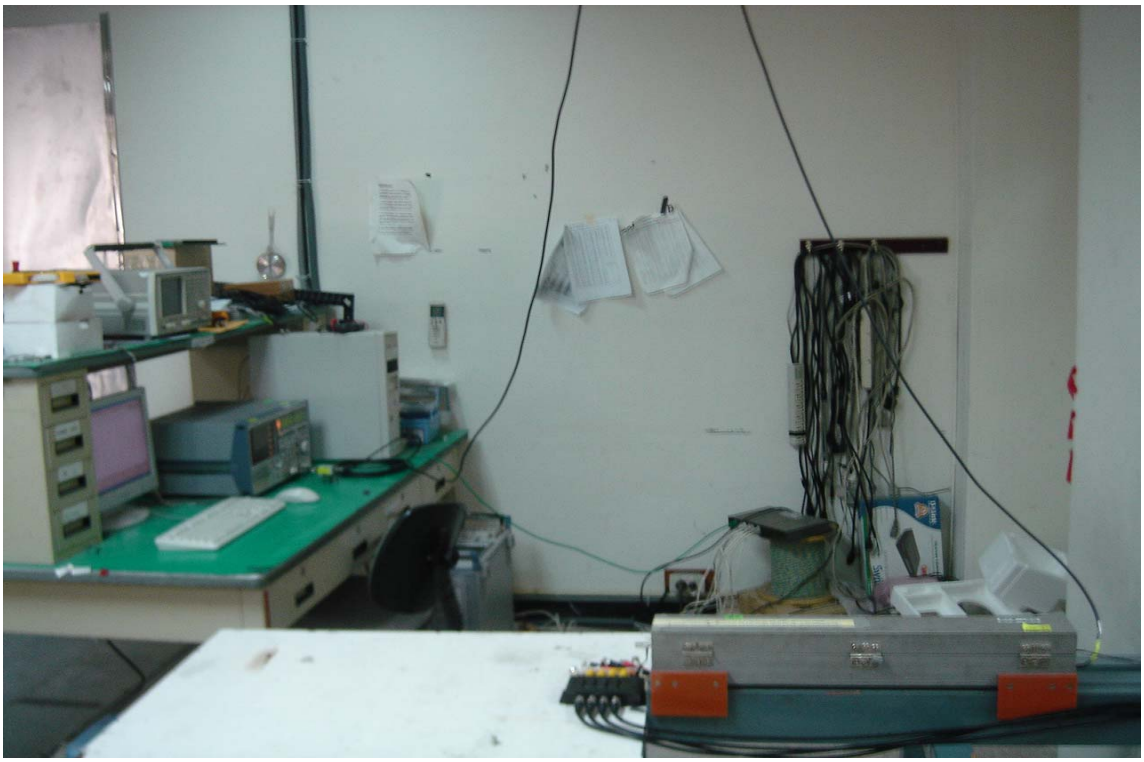
Emission **Frequency** (MHz)	**Meter Reading** (dBuV)		CORR'd Factor (dB)	**Results** (dBpW)		**Limit** (dBpW)		**Margins** (dB)	
	Q.P	**AVG.**		**Q.P**	**AVG.**	**Q.P**	**AVG.**	**Q.P**	**AVG.**
31.800	27.2	----	3.6	30.8	----	45.1	35.1	-14.3	----
42.500	26.3	----	0.8	27.1	----	45.5	35.5	-18.4	----
65.100	25.1	----	-0.1	25.0	----	46.3	36.3	-21.3	----
92.400	24.8	----	-0.3	24.5	----	47.3	37.3	-22.8	----
152.300	27.1	----	-1.3	25.8	----	49.5	39.5	-23.7	----
176.800	30.4	----	-1.9	28.5	----	50.4	40.4	-21.9	----
221.200	25.6	----	-2.4	23.2	----	52.1	42.1	-28.9	----
297.500	30.3	----	-2.2	28.1	----	54.9	44.9	-26.8	----

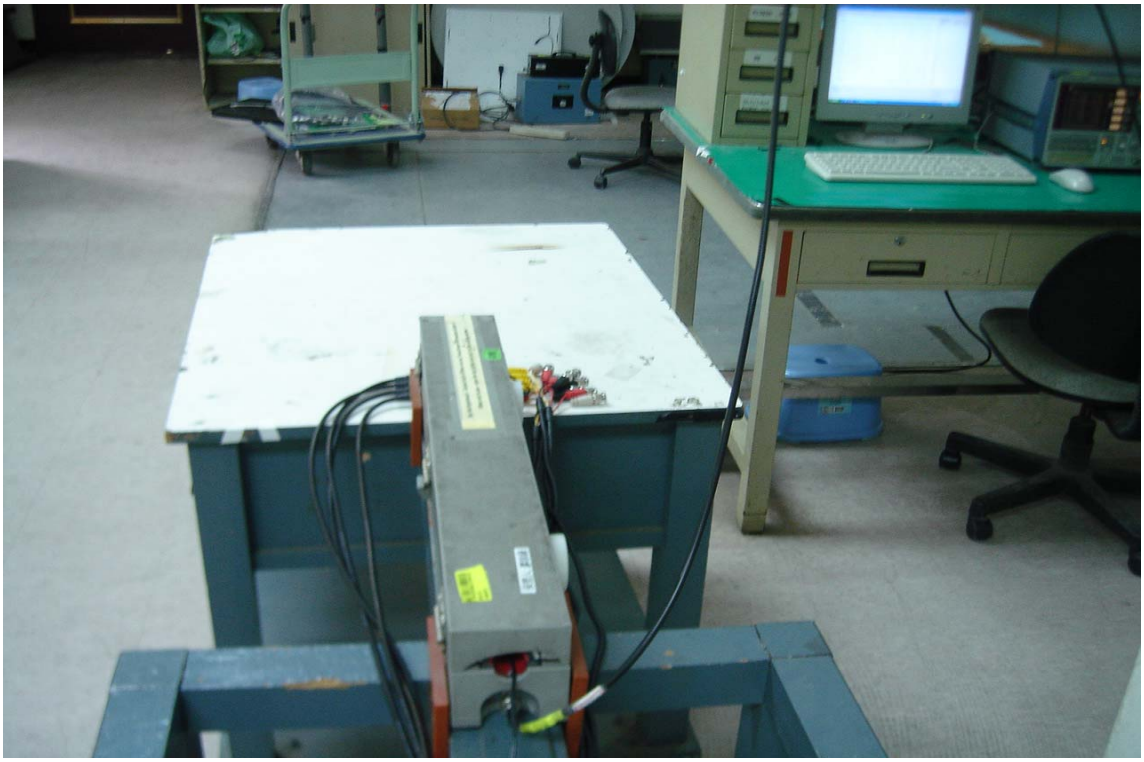
Notes: 1) Place of Measurement: Measuring site of the ETC

2) Remark "----" means that the emissions level is too low to be measured.

3) The expanded uncertainty of the radiated emission tests is 3.53 dB.

4.1.2.2 Radiated Emissions (Absorbing Clamp) Test Setup Photos :





4.1.3 Harmonics Current Emissions Test :

4.1.3.1 Harmonics Current Emissions Test Data:

Operating Conditions of The EUT : Operation Mode

Test Date : Jul. 20, 2009

Test Specification	EN 61000-3-2:2006			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMC Immunity tester	EMC-Partner	Hormonics-1000	2008/12/10	2009/12/10
Climatic Condition	Ambient Temperature: 24 °C		Relative Humidity: 51 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Test data see the next pages.

Urms = 229.9V Freq = 49.974 Range: 0.25 A
Irms = 0.027A Ipk = 0.056A cf = 2.072
P = 2.902W S = 6.231VA pf = 0.466
THDi = 40.70% THDu = 0.10% Class A

Test - Time : 3min -100%

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Imax [A]	Limit [A]	Order	Freq. [Hz]	Iavg [A]	Imax [A]	Limit [A]
1	50	0.0245	0.0248		21	1050	0	0.0001	0.1071
2	100	0	0.0008	1.08	22	1100	0	0	0.0836
3	150	0.0091	0.0091	2.3	23	1150	0	0.0001	0.0978
4	200	0	0.0004	0.43	24	1200	0	0	0.0767
5	250	0.0059	0.006	1.14	25	1250	0	0.0001	0.09
6	300	0	0.0002	0.3	26	1300	0	0	0.0708
7	350	0	0.0008	0.77	27	1350	0	0.0001	0.0833
8	400	0	0.0001	0.23	28	1400	0	0	0.0657
9	450	0	0.0015	0.4	29	1450	0	0	0.0776
10	500	0	0	0.184	30	1500	0	0	0.0613
11	550	0	0.0003	0.33	31	1550	0	0	0.0726
12	600	0	0	0.1533	32	1600	0	0	0.0575
13	650	0	0.0004	0.21	33	1650	0	0	0.0682
14	700	0	0	0.1314	34	1700	0	0	0.0541
15	750	0	0.0003	0.15	35	1750	0	0	0.0643
16	800	0	0	0.115	36	1800	0	0	0.0511
17	850	0	0.0001	0.1324	37	1850	0	0	0.0608
18	900	0	0	0.1022	38	1900	0	0	0.0484
19	950	0	0.0001	0.1184	39	1950	0	0	0.0577
20	1000	0	0	0.092	40	2000	0	0	0.046

4.1.3.2 Harmonics Current Emissions Test Setup Photos :

4.1.4 Voltage Fluctuations and Flicker Test :

4.1.4.1 Voltage Fluctuations and Flicker Test Data:

Operating Conditions of The EUT : Operation

Test Date : Jul. 20, 2009

Test Specification	EN 61000-3-3:1995/A1:2001/A2:2005			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMC Immunity tester	EMC-Partner	Hormonics-1000	2008/12/10	2009/12/10
Climatic Condition	Ambient Temperature: 28 °C		Relative Humidity: 51 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

	Test Data	Limit	Pass or Fail
Plt	0.072	0.65	Pass
Pst	0.072	1.00	Pass
dt	0.00ms	500 ms	Pass
dmax	0.00%	4.0 %	Pass
dc	0.00%	3.3 %	Pass

4.1.4.2 Voltage Fluctuations and Flicker Test Setup Photos :

4.2 Immunity:

4.2.1 Electrostatic Discharge Immunity Test :

4.2.1.1 Electrostatic Discharge Immunity Test Data:

Operating Conditions of The EUT : Operation

Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-2:2008			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
Noise Ken	ESD Tester	ESS-2002	2008/09/18	2009/09/18
Climatic Condition	Ambient Temperature: 28 °C Relative Humidity: 51 %RH			
	Atmospheric Pressure : 990 mbar			
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Energy-Storage Capacitor : 150 pF	Contact Discharge Times : 10 times/each condition
Discharge Resistor : 330 Ω	Air Discharge Times : 10 times/each condition

\ Discharge Mode	Contact Discharge								Air Discharge							
\ESD Voltage	2 kV		4 kV		___ kV		___ kV		2 kV		4 kV		8 kV		___ kV	
\Points\Result\Polarity	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−
VCP	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
HCP	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
P_1,P_{10}	A	A	A	A	---	---	---	---	---	---	---	---	---	---	---	---
P_2-P_9	---	---	---	---	---	---	---	---	A	A	A	A	A	A	---	---

Note : "---"means the test could not be carrier out.
" A " means the EUT function was correct during the test

TEST POINTS

4.2.1.2 Electrostatic Discharge Immunity Test Setup Photos :

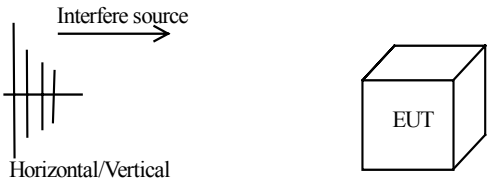
4.2.2 RF Radiated Fields Immunity Test :

4.2.2.1 RF Radiated Fields Immunity Test Data:

Operating Conditions of The EUT : Operation

Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-3:2006/A1:2007			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
Antenna	AR	AT5080	N/A	N/A
signal Generator	Aglient	E4421B	2008/08/07	2009/08/06
Amplifier	Ophir	5172	N/A	N/A
Amplifier	Ophir	5127	N/A	N/A
POWER METER	Booton	4232A	2008/08/08	2009/08/07
Climatic Condition	Ambient Temperature: 27 °C		Relative Humidity: 48 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			



Frequency Range: 80 MHz ~ 1000 MHz	Field Strength: 3 V/m	Modulation (AM 1kHz 80%)
Sweep Rate : ≤ 1.5×10-3 decades/s	Step Size : ≤ 1 % of preceding frequency value	Dwell time : 2.9 s

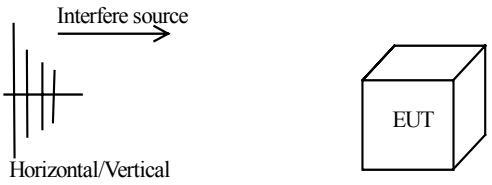
Frequency Range (MHz)	Antenna-Polarization	Direction of Device	Test Result
80-1000	Horizontal	front	A
		rear	A
		left	A
		right	A
80-1000	Vertical	front	A
		rear	A
		left	A
		right	A

Note : " A " means the EUT function was correct during the test .

Operating Conditions of The EUT : Operation

Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-3:2006/A1:2007			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
Antenna	AR	AT5080	N/A	N/A
signal Generator	Aglient	E4421B	2008/08/07	2009/08/06
Amplifier	Ophir	5172	N/A	N/A
Amplifier	Ophir	5127	N/A	N/A
POWER METER	Booton	4232A	2008/08/08	2009/08/07
Climatic Condition	Ambient Temperature: 28 °C		Relative Humidity: 51 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			



Frequency Range: 1400 MHz ~ 2000 MHz	Field Strength: 3 V/m	Modulation (AM 1kHz 80%)
Sweep Rate : ≤ 1.5×10-3 decades/s	Step Size : ≤ 1 % of preceding frequency value	Dwell time : 2.9 s

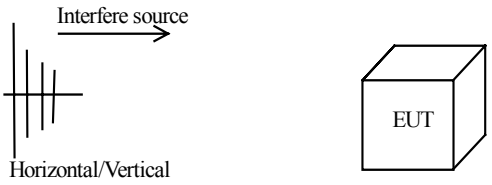
Frequency Range (MHz)	Antenna-Polarization	Direction of Device	Test Result
1400-2000	Horizontal	front	A
		rear	A
		left	A
		right	A
1400-2000	Vertical	front	A
		rear	A
		left	A
		right	A

Note : " A " means the EUT function was correct during the test .

Operating Conditions of The EUT : Operation

Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-3:2006/A1:2007			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
Antenna	AR	AT5080	N/A	N/A
signal Generator	Aglient	E4421B	2008/08/07	2009/08/06
Amplifier	Ophir	5172	N/A	N/A
Amplifier	Ophir	5127	N/A	N/A
POWER METER	Booton	4232A	2008/08/08	2009/08/07
Climatic Condition	Ambient Temperature: 28 °C		Relative Humidity: 51 %RH	
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

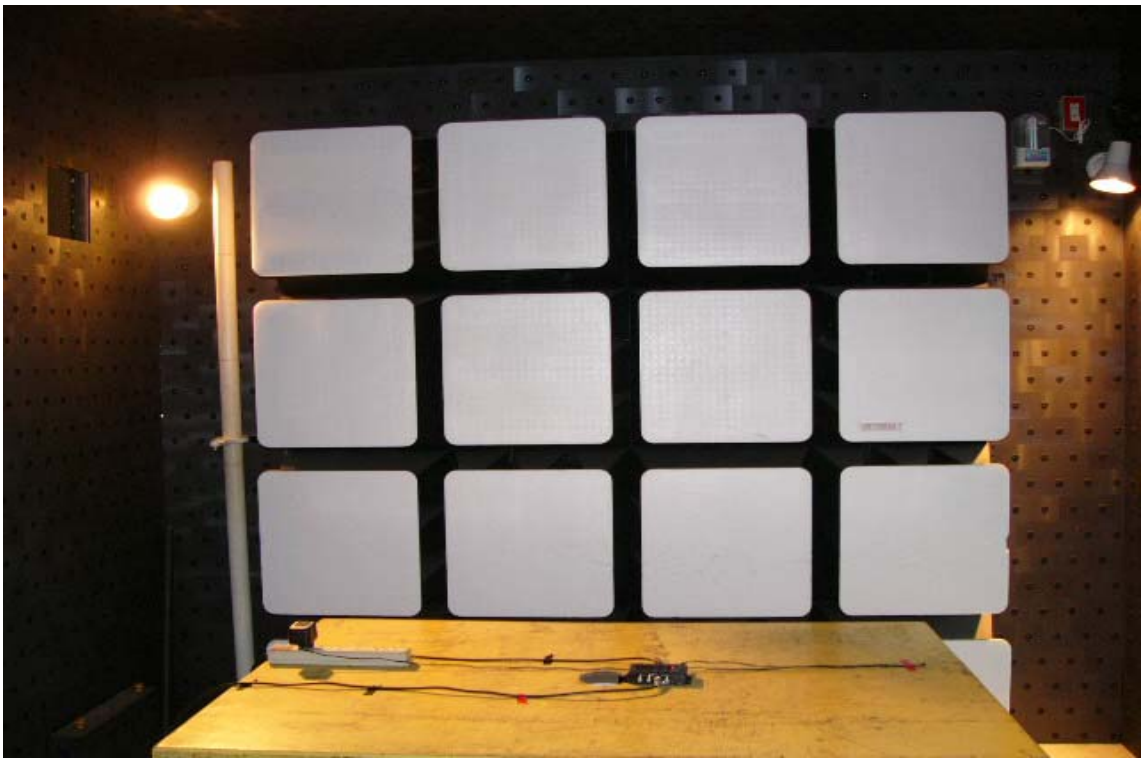


Frequency Range: 2000 MHz ~ 2700 MHz	Field Strength: 1 V/m	Modulation (AM 1kHz 80%)
Sweep Rate : ≤ 1.5×10-3 decades/s	Step Size : ≤ 1 % of preceding frequency value	Dwell time : 2.9 s

Frequency Range (MHz)	Antenna-Polarization	Direction of Device	Test Result
2000-2700	Horizontal	front	A
		rear	A
		left	A
		right	A
2000-2700	Vertical	front	A
		rear	A
		left	A
		right	A

Note : " A " means the EUT function was correct during the test .

4.2.2.2 RF Radiated Fields Immunity Test Setup Photos :



4.2.3 EFT/Burst Immunity Test :

4.2.3.1 EFT/Burst Immunity Test Data:

Operating Conditions of The EUT : Operation

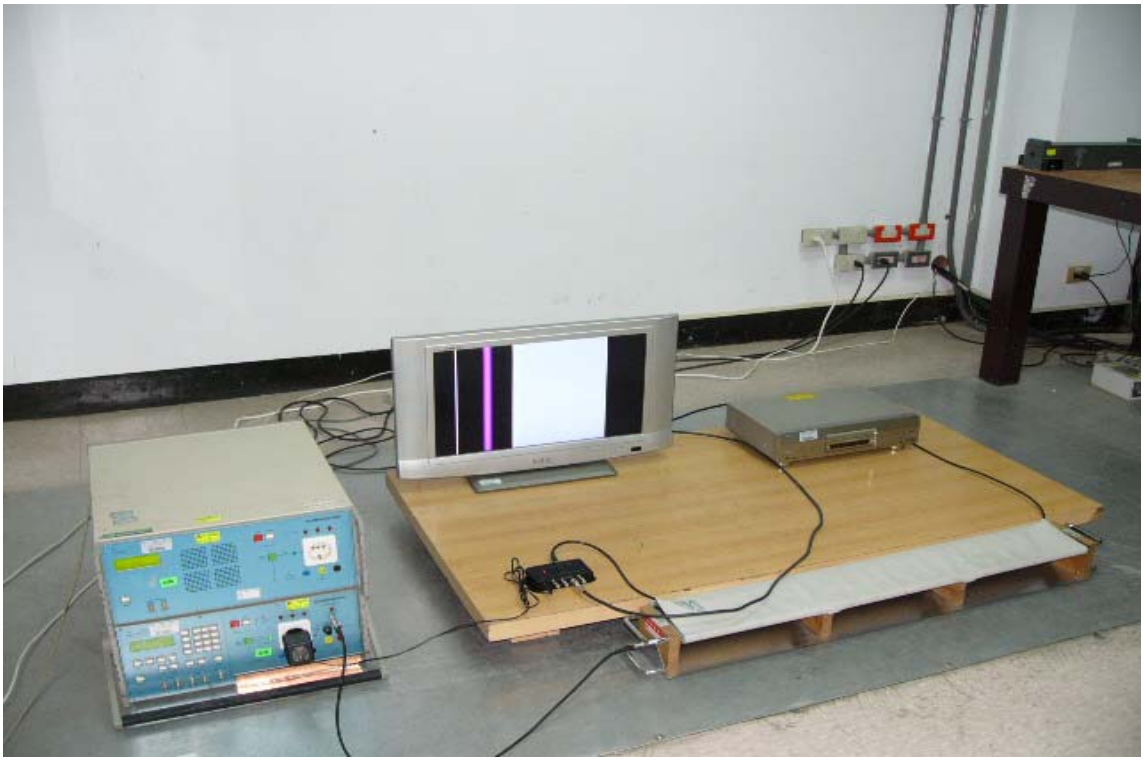
Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-4:2004			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMC Immunity Tester	EMC-PARTNER	TRANSIENT-1000	2009/02/23	2010/02/23
Climatic Condition	Ambient Temperature: 28 °C		Relative Humidity: 51 %RH	
	Atmospheric Pressure : 990 mbar			
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Pulse :5/50ns Burst :15m/300ms		Repetition Rate: 5kHz	Test time: 1 min/each condition
\Voltage\Polarity\		1.0kV	
\Test Point\Mode\Result\		+	-
Power Line	L	A	A
	N	A	A
	L-N	A	A
\Voltage\Polarity\		0.5kV	
\Test Point\Mode\Result\		+	-
Video input cable		A	A
Video output cable		A	A

Note : " A " means the EUT function was correct during the test .

4.2.3.2 EFT/Burst Immunity Test Setup Photos :



4.2.4 Surge Immunity Test :

4.2.4.1 Surge Immunity Test Data:

Operating Conditions of The EUT : Operation

Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-5:2005			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMC Immunity Tester	EMC-PARTNER	TRANSIENT-1000	2009/02/23	2010/02/23
Climatic Condition	Ambient Temperature: 28 °C		Relative Humidity: 51 %RH	
	Atmospheric Pressure : 990 mbar			
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Waveform : 1.2/50μs(8/20μs)		Repetition rate : 60 sec		Times : 5 time/each condition	
\Voltage \Mode \Polarity \Result		\Phase	**0°**	**90°**	**180°**	**270°**
0.5kV	L-N	+	A	A	A	A
		–	A	A	A	A
1.0kV	L-N	+	A	A	A	A
		–	A	A	A	A

Waveform : 1.2/50μs(8/20μs)		Repetition rate : 60 sec	Times : 5 time/each condition
0.5kV	Video input cable	+	A
		-	A
1.0kV	Video input cable	+	A
		-	A

Note : " A " means the EUT function was correct during the test .

4.2.4.2 Surge Immunity Test Setup Photos :

4.2.5 RF Common Mode Immunity Test :

4.2.5.1 RF Common Mode Immunity Test Data:

Operating Conditions of The EUT : Operation

Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-6:2007			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
CS Tester	FRANKONIA	CIT-10	2008/09/24	2009/09/24
M2+3 CDN-KIT	FRANKONIA	M2+3	2008/09/19	2009/09/19
Climatic Condition	Ambient Temperature: 28 °C Relative Humidity: 51 %RH			
	Atmospheric Pressure : 990 mbar			
Power Supply System	AC Power : 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Frequency Range : 0.15 MHz ~ 100 MHz	Test Level : 3 Vrms	Modulation (AM 1kHz 80%)
Sweep Rate : ≤ 1.5×10^{-3} decades/s	Step Size : ≤ 1 % of preceding frequency value	Dwell Time : 2.9 s

Frequency Range (MHz)	Tested Line	Test Result
0.15~80	Power Line(M2)	A
0.15~80	Video input cable(S1)	A
0.15~80	Video output cable(S1)	A

Note : " A " means the EUT function was correct during the test .

4.2.5.2 RF Common Mode Immunity Test Setup Photos :

4.2.6 Voltage Interruptions and Voltage Dips Immunity Test

4.2.6.1 Voltage Interruptions and Voltage Dips Immunity Test Data

Operating Conditions of The EUT : Operation Mode

Test Date : Jul. 20, 2009

Test Specification	IEC 61000-4-11:2004			
Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMC Immunity Tester	EMC-PARTNER	TRANSIENT-1000	2009/01/17	2010/01/16
Climatic Condition	Ambient Temperature: 28 °C		Relative Humidity: 51 %RH	
Power Supply System	AC Power: 230 Vac 50 Hz			
Test Set-up	Table-top Equipment			

Test mode	Voltage dips	Durations (periods)	Interval(s)	Times	Phase	Result
Voltage interruptions	100%	250	10	12	0°/180°	A
Voltage dips in %U_T	100%	(1) 1.0	10	12	0°/180°	(1) A
		(2) 0.5				(2) A
	30%	25	10	12	0°/180°	A
			10			

Note : " A " means the EUT function was correct during the test.

4.2.6.2 Voltage Interruptions and Voltage Dips Immunity Test Setup Photos

CONSTRUCTED PHOTOS of EUT

1. Top View of EUT

2. Bottom View of EUT

CONSTRUCTED PHOTOS of EUT

3. Side View of EUT

4. Side View of EUT

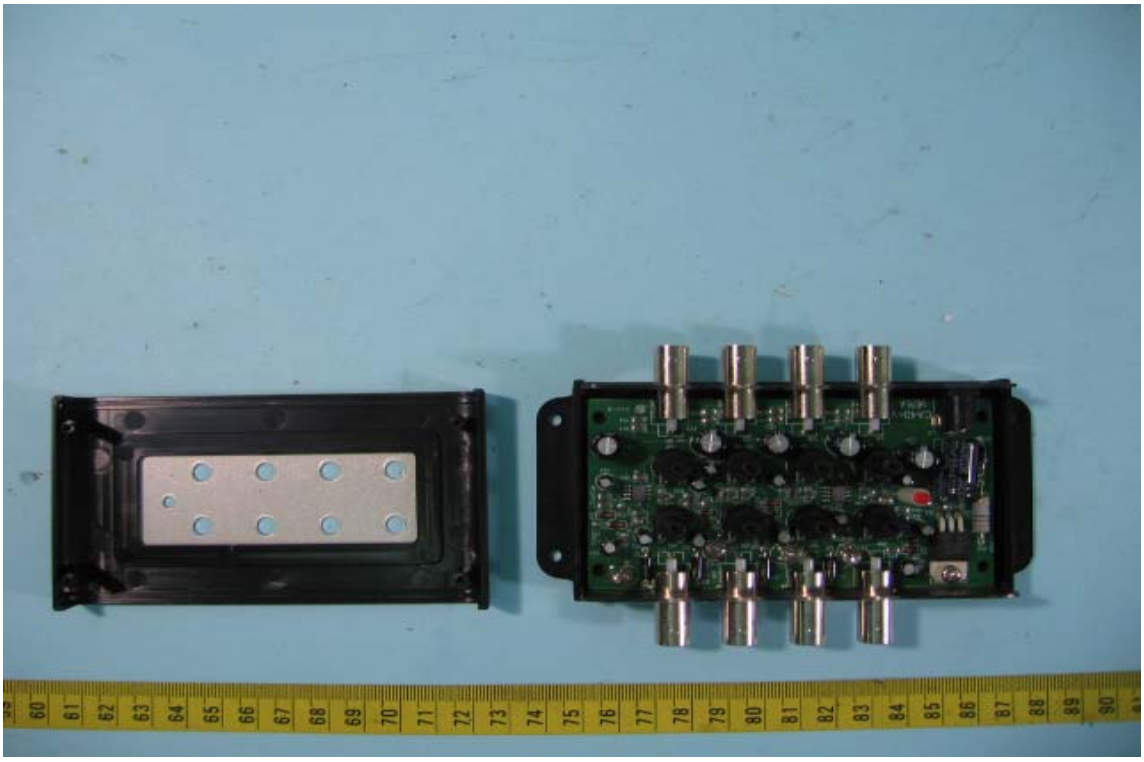
CONSTRUCTED PHOTOS of EUT

5. Side View of EUT

6. Side View of EUT

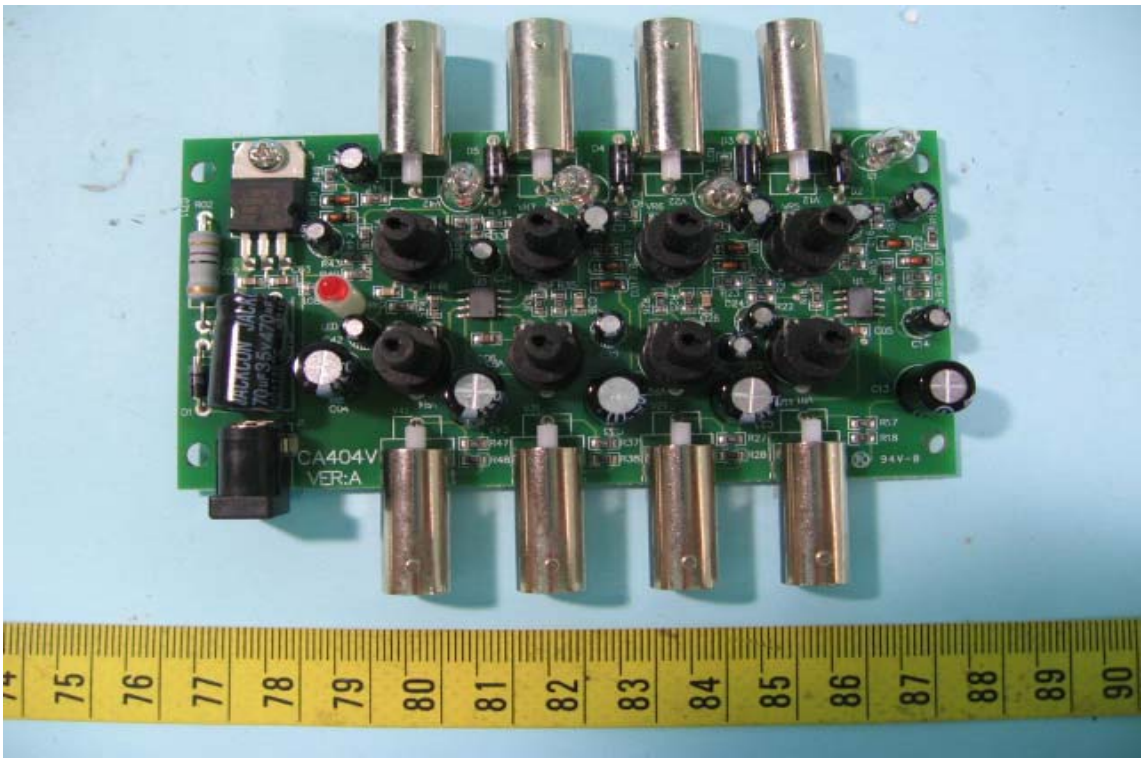
CONSTRUCTED PHOTOS of EUT

7. Internal View of EUT

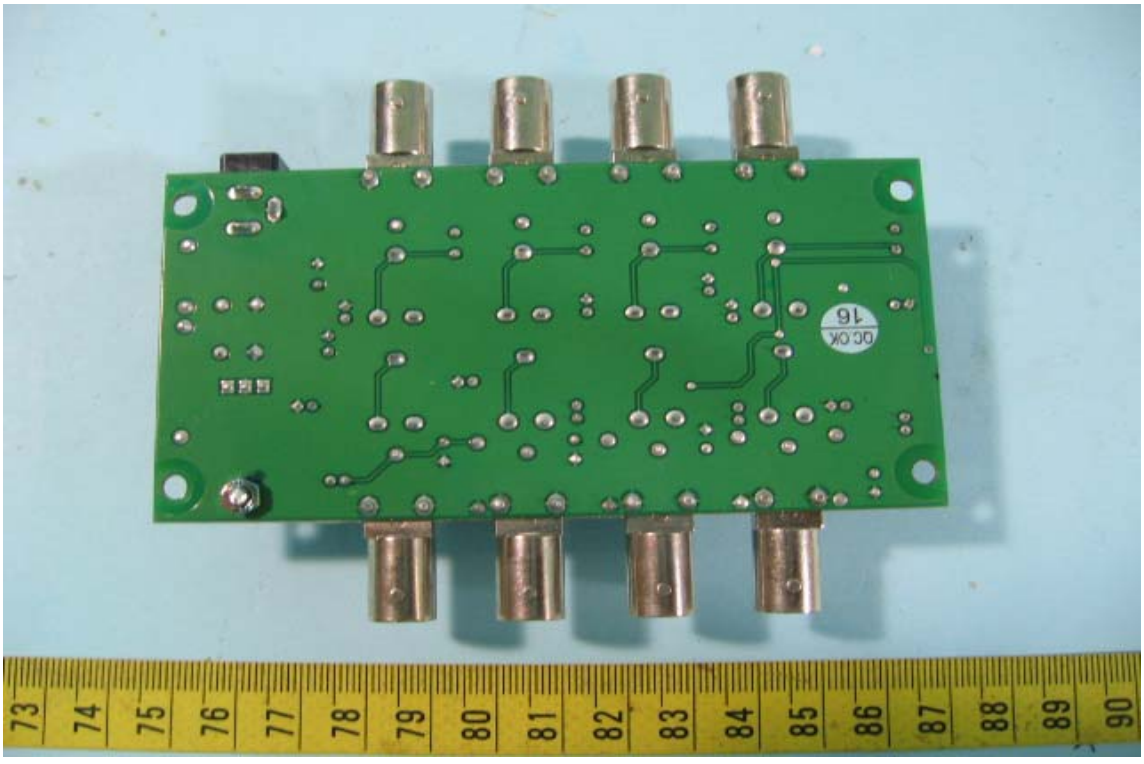


CONSTRUCTED PHOTOS of EUT

8. Component View of PCB



9. Solder View of PCB



CONSTRUCTED PHOTOS of EUT

1. Total View of Adapter

2. Adapter's Label