







ISO/IEC17025 Accredited Lab.

Report No: FCC 0904199 File reference No: 2009-04-29

Applicant: WIN ACCORD LTD.

Product: Digital Photo Frame

Brand Name: N/A

Model No: DF10405-13-XXX

Test Standards: FCC Part 15 Subpart B: 2008

Test result:

It is herewith confirmed and found to comply with the requirements

set up by ANSI C63.4&FCC Part 15 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: April 29, 2009

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

# SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD

East 5/Block 4, Anhua Industrial Zone, No.8, Tairan Rd. Chegongmiao, FuTian District, Shenzhen, CHINA.

Tel (755) 83448688 Fax (755) 83442996

Report No: 0904199 Page 2 of 58

Date: 2009-04-29



# **Special Statement:**

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

# FCC-Registration No.: 899988

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 899988.

# IC- Registration No.: IC5205A-01

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration IC No.: 5205A-01.

Page 3 of 58

Report No: 0904199 Date: 2009-04-29



# **Test Report Conclusion** Content

1.0	General Details	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Test Uncertainty.	4
1.5	Submitted Sample	4
1.6	Test Duration.	4
2.0	List of Measurement Equipment.	5
2.1	Conducted Emission Test.	5
2.2	Radiated electromagnetic disturbance test.	5
2.3	Auxiliary Equipment	5
3.0	Technical Details	6
3.1	Investigations Requested	6
3.2	Test Standards	6
4.0	Power line Conducted Emission Test.	7
5.0	Radiated Disturbance Test	25
6.0	FCC ID Label	43
7.0	Photo of testing	44

Date: 2009-04-29



#### 1.0 General Details

#### 1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD

Address: East 5/Block 4, Anhua Industrial Zone, No.8, Tairan Rd. CheGongMiao, FuTian District,

Shenzhen, CHINA.

Telephone: (755) 83448688 Fax: (755) 83442996

#### 1.2 Applicant Details

Applicant: WIN ACCORD LTD.

Address: 12F, NO.225, SEC 5, 105 SONG SHAN DIST., NAN JING EAST ROAD, TAIPEI,

**TAIWAN** 

Telephone: 02-2749 3837 Fax: 02-2749-3918

#### 1.3 Description of EUT

Product: Digital Photo Frame
Manufacturer: WIN ACCORD LTD.

Address: 12F, NO.225, SEC 5, 105 SONG SHAN DIST., NAN JING EAST ROAD, TAIPEI,

**TAIWAN** 

Brand Name: N/A

Model Number: DF10405-13-XXX (X=A-Z, 0-9, a-z)

Additional Model Number: N/A

The adapter Model No.: XKD-C1500IC12.0-18C-US (Made by MOSO)
Rating: Input: 100-240V, 0.7A Max, 50/60Hz Output: 12V, 1.5A
The adapter Model No.: ADS-18C-12N 12018GPCU (Made by HONOR)
Rating: Input: 100-240V, 0.6A Max, 50/60Hz Output: 12V, 1.5A

Remark: --

Rating: Input: DC 12V, Current 1.5A

#### 1.4 Submitted Sample(s): 1 Sample

1.5 Test Duration: 2009-04-27 to 2009-04-29

# 1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB Radiated Emissions Uncertainty =4.7dB

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 5 of 58

Report No: 0904199 Date: 2009-04-29



# 1.7 Test Engineer

The sample tested by

Print Name: Terry Tang

## 2.0 List of Measurement Equipment

## 2.1 Conducted Emission Test

				Calibration	Calibration
Name	Model No.	Serial No.	Manufacturer	Date	Cycle
EMI Test Receiver	ESCS30	830245/009	RS	2009.2.23	1Year
Coaxial Switch	MP59B	M70585	ANRITSU	N/A	N/A
LISN	NTFM8132	8132137	SCHWARZBECK	2009.2.24	1Year
LISN	NTFM8134	8134109	SCHWARZBECK	2009.2.24	1Year
LISN	NTFM8136	8136102	SCHWARZBECK	2009.2.24	1Year

## 2.2 Radiated electromagnetic disturbance test

				Calibration	Calibration
Name	Model No.	Serial No.	Manufacturer	Date	Cycle
EMI Test Receiver	ESCS30	830245/009	RS	2009.2.23	1Year
Coaxial Switch	MP59B	M70585	ANRITSU	N/A	N/A
Spectrum Analyzer(with					
Tracking Generator)	MS2661C	MT72089	ANRITSU	2009.2.23	1Year
Amplifier	MH648A	M20494	ANRITSU	2009.2.24	1Year
Bilog Antenna	CBL6101C	2576	CHASE	2009.2.23	1Year

## 2.3 Auxiliary Equipment

2.5 Huxiii	ary Equipment				
Name	Model No.	Serial No.	Manufacturer	Cable	FCC ID/DOC
11001110	1/100011(0)	2011411101	1/14/10/10/10/10/10/10/10/10/10/10/10/10/10/	Data cable of	10012/200
				Data Cable of	
				2m length	
Keyboard	KB-0225	1211815	IBM	unshielded	FCC DOC
				Data cable of	
				2m length	
				unshielded	
				and 1.8m length	
Printer	LaserJet 1015	CNFG029476	HP	AC Mains cable	DOC

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 6 of 58

Report No: 0904199 Date: 2009-04-29



1	1			1	1
				Data cable of	f
				2m length	
				unshielded	
				and 1.8m length	ı
Printer	LaserJet 1022	CNBG591GM7	HP	AC Mains cable	e DOC
				Data cable o	f
				1.5m lengti	h
				unshielded and	d
				1.8m length AC	C
Monitor	FP51G	ET47604175CLO	BENQ	Mains cable	FCC DOC
				Data cable o	f
				1.5m lengt	h
				unshielded and	d
				1.8m length AC	C
Monitor	6331-4CN	23-DNWX3	IBM	Mains cable	FCC DOC
				1.8m length	
PC	8434		IBM	AC Mains cable	FCC DOC
				Data cable of	
Mouse	M-F105		S.SElectron	1.5m length	FCC DOC
•	· ·	<u> </u>	•		<u> </u>

#### 3.0 Technical Details

3.1 Investigations Requested

Perform Electromagnetic Interference [EMI] tests for FCC Requirement.

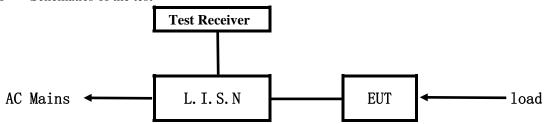
3.2 Test Standards

FCC Part 15 Subpart B: 2008



#### 4.0 Conducted Power line Test

#### 4.1 Schematics of the test

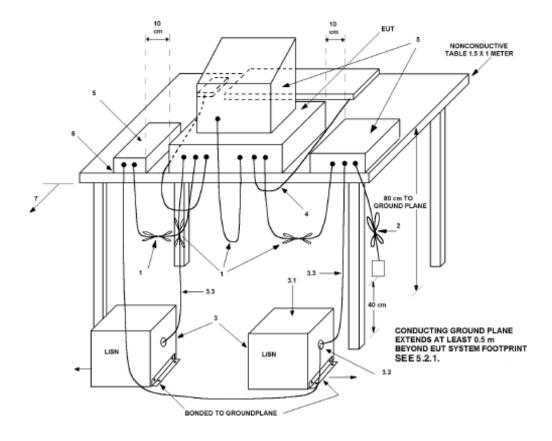


**EUT: Equipment Under Test** 

### 4.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2003. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2003. Cables and peripherals were moved to find the maximum emission levels for each frequency.

### Block diagram of Test setup



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 8 of 58

Report No: 0904199 Date: 2009-04-29



#### 4.3 Power line conducted Emission Limit

Frequency(MHz)	Class A Li	mits $dB(\mu V)$	Class B Lin	nits dB(μV)
Trequency(MHZ)	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
$0.15 \sim 0.50$	79.00	66.00	66.00~56.00*	56.00~46.00*
$0.50 \sim 5.00$	73.00	60.00	56.00	46.00
5.00 ~ 30.00	73.00	60.00	60.00	50.00

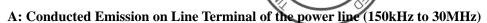
Notes:

1. \*decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

#### 4.4 **Test Results**

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

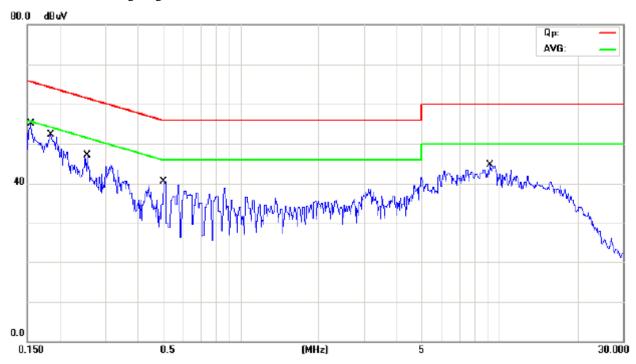


EUT set Condition: Memory

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

**Results:** Pass



Emp any on any		Reading	Limit			
Frequency (MHz)	Live		Neutral		$(dB \mu V)$	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.155	47.81	38.91			65.68	55.68
0.186	46.74	37.54			64.20	54.20
0.256	38.61	33.61			61.53	51.53
0.502	36.37	27.17			56.00	46.00
9.199	39.84	30.74			60.00	50.00



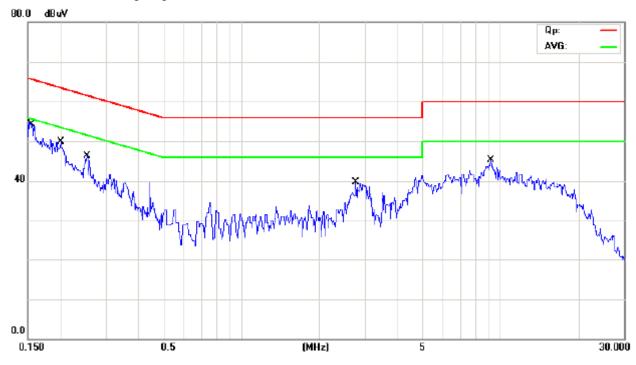
## B: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Memory

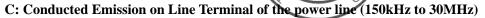
Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

**Results:** Pass



Enaguanav		Reading	Limi	t		
Frequency (MHz)	Live		Neutral		$(dB \mu V)$	
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.156			47.51	39.31	65.67	55.67
0.199			38.25	29.45	63.65	53.65
0.253			41.21	34.21	61.61	51.65
2.761			35.20	17.90	56.00	46.00
9.119			38.97	29.67	50.00	60.00

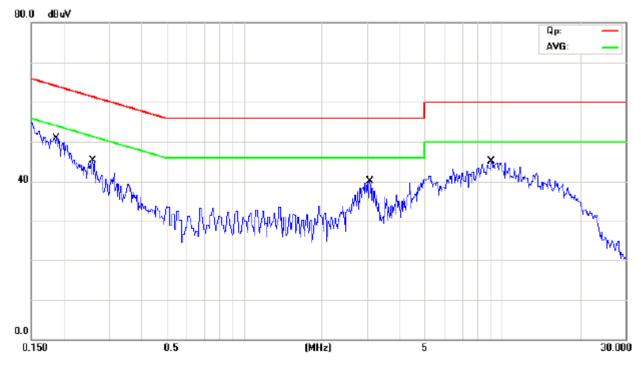


EUT set Condition: Play SD

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

**Results:** Pass



Engayonay		Reading	Limi	t		
Frequency (MHz)	Live	Live		Neutral		V)
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.187	46.34	27.44			64.17	54.17
0.257	37.41	32.21			61.51	51.51
3.068	38.93	31.53			56.00	46.00
9.153	40.46	30.36			60.00	50.00



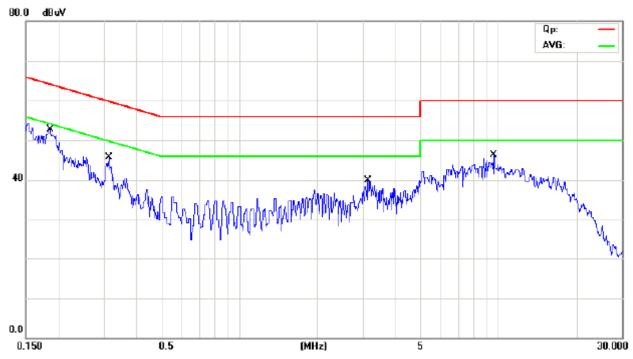
# D: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Play SD

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

Results: Pass



Eraguanav		Reading	Limit			
Frequency (MHz)	Live		Neutral		$(dB \mu V)$	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.187			48.44	36.84	64.16	54.16
0.312			42.17	37.37	59.90	49.90
3.136			37.65	28.85	56.00	46.00
9.650			43.05	34.95	60.00	50.00



## E: Conducted Emission on Live Terminal of the power line (150kHz to 30MHz)

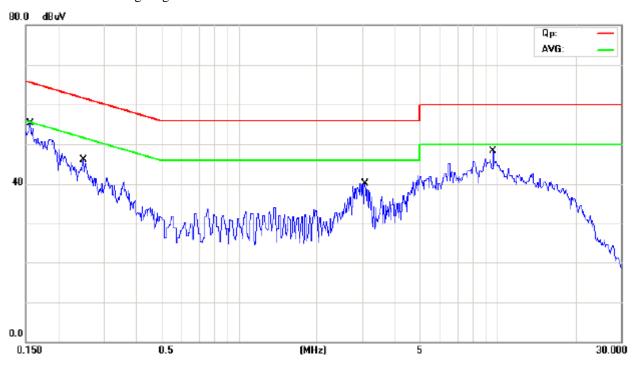
EUT set Condition: Play USB

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

**Results:** Pass

Please refer to following diagram for individual



Eraguanay		Reading	Limi	t		
Frequency (MHz)	Live	<b>;</b>	Neutr	al	(dB µ V)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.155	47.21	38.31			65.70	55.70
0.251	40.51	33.21			61.72	51.72
3.068	39.13	33.63			56.00	46.00
9.639	44.45	37.65			60.00	50.00



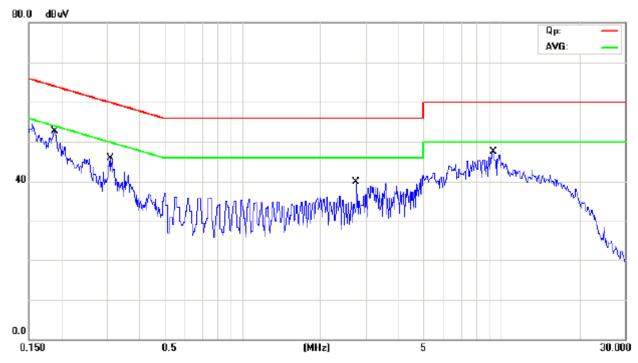
## F: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Play USB

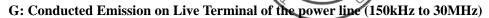
Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

Results: Pass



Eraguanav		Reading	Limit			
Frequency (MHz)	Live		Neutral		$(dB \mu V)$	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.187			47.74	36.34	64.14	54.14
0.312			42.97	37.57	59.91	49.91
2.756			38.70	33.30	56.00	46.00
9.387			45.06	37.56	60.00	50.00

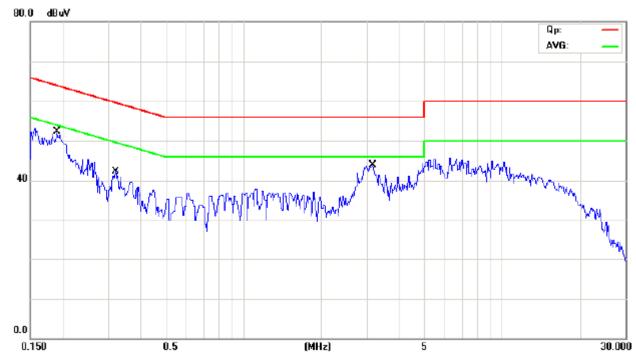


EUT set Condition: Connected to PC

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

**Results:** Pass



Eroguanav		Reading	Limit			
Frequency (MHz)	Live		Neutral		$(dB \mu V)$	
(IVITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.191	48.24	28.74			63.96	53.96
0.316	38.58	32.88			59.79	49.79
3.158	40.36	30.36			56.00	46.00



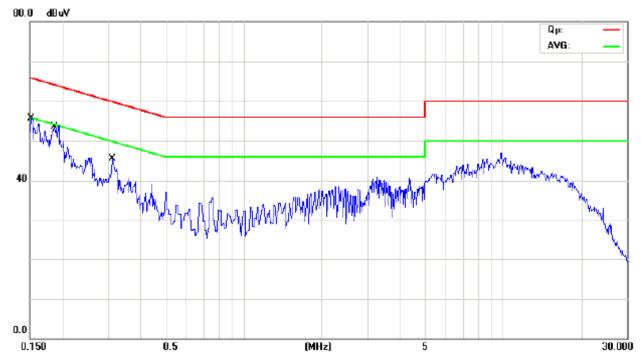
# H: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Connected to PC

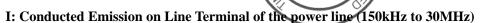
Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Working Voltage: 120V~ 60Hz

**Results:** Pass



Reading(dB \( \mu \)					Limit	
Frequency (MHz)	Live		Neutral		(dB \mu V)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.150			47.30	39.30	66.00	56.00
0.188			51.14	36.64	64.11	54.11
0.313			42.97	36.07	59.87	49.87

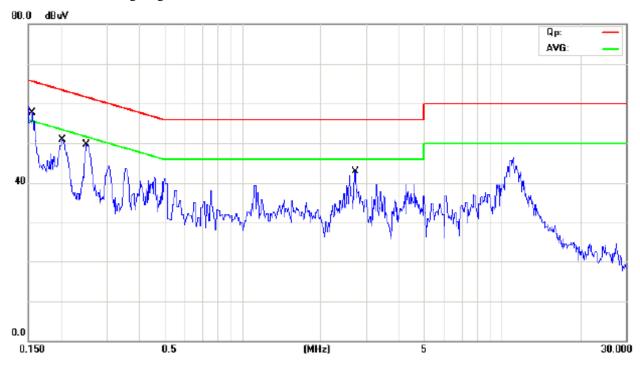


EUT set Condition: Memory

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Working Voltage: 120V~ 60Hz

**Results:** Pass



Engguenav		Reading	Limit			
Frequency (MHz)	Live	Neutral		(dB µ V)		
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.152	54.00	41.20			65.86	55.86
0.201	48.85	37.25			63.55	53.55
0.253	46.61	35.01			61.65	51.65
2.732	34.29	22.09			56.00	46.00



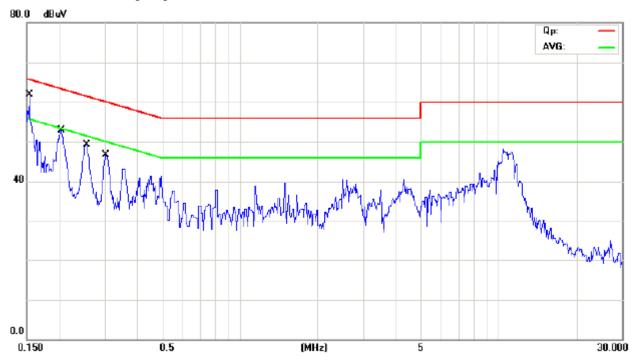
# J: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Memory

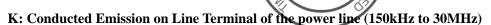
Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Working Voltage: 120V~ 60Hz

**Results:** Pass



Eraguanav		Reading	Limit				
Frequency (MHz)	Live		Neutr	Neutral		(dB µ V)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average	
0.151			54.30	41.80	65.93	55.93	
0.203			49.36	37.36	63.49	53.49	
0.254			46.01	34.51	61.62	51.62	
0.303			42.76	28.46	60.14	50.14	

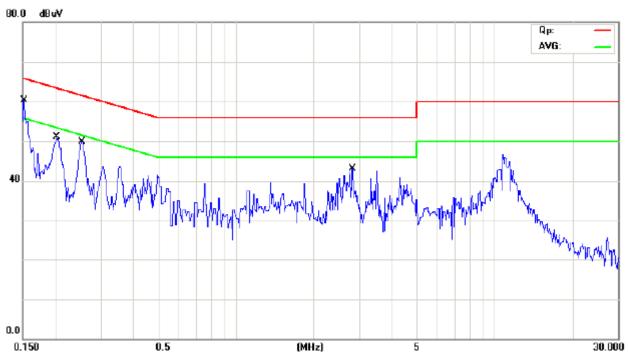


EUT set Condition: Play SD

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Working Voltage: 120V~ 60Hz

**Results:** Pass



Eraguanav		Reading	Limit			
Frequency (MHz)	Live	e Neutral		$(dB \mu V)$		
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.150	53.60	41.10	-		65.98	55.98
0.202	48.86	38.26	-		63.53	53.53
0.252	46.51	35.01	-		61.68	51.68
2.837	33.14	26.14	-		56.00	46.00



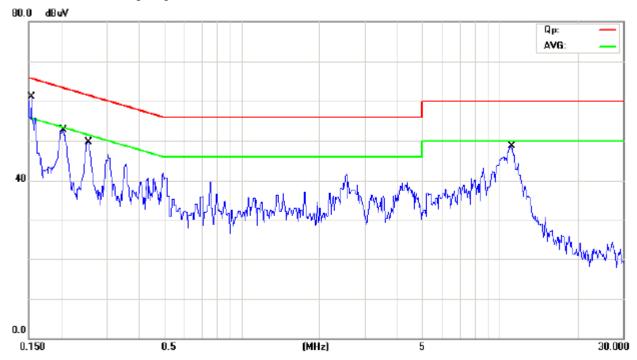
# L: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Play SD

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Working Voltage: 120V~ 60Hz

Results: Pass



Engavonav		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dB µ V)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.151			54.10	41.70	65.92	55.92
0.203			49.16	37.16	63.49	53.49
0.254			45.91	34.51	61.61	51.61
11.052			42.18	22.98	60.00	50.00

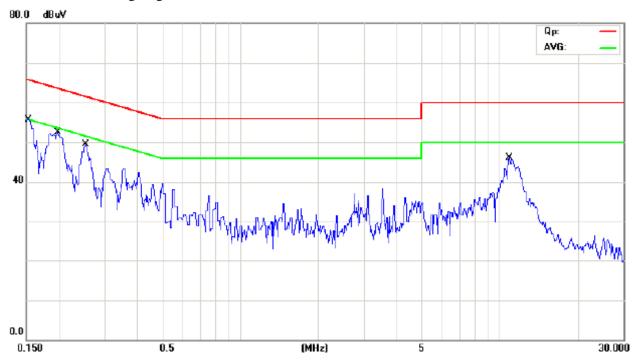
## M: Conducted Emission on Line Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Play USB

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Working Voltage: 120V~ 60Hz

Results: Pass



Eroguanav		Reading		Limit		
Frequency (MHz)	Live	Neutral		$(dB \mu V)$		
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.152	54.70	41.10			65.88	55.88
0.198	47.85	25.05			63.69	53.69
0.254	46.51	35.21			61.62	51.62
10.905	38.98	26.48			60.00	50.00



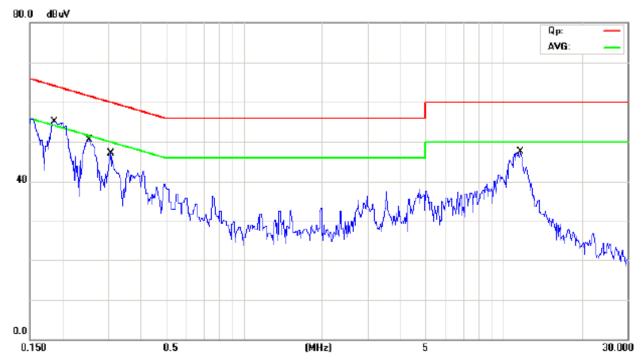
# N: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Play USB

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Working Voltage: 120V~ 60Hz

**Results:** Pass



Eraguanav		Reading	Limit				
Frequency (MHz)	Live		Neutr	Neutral		$(dB \mu V)$	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average	
0.188			53.04	39.24	64.11	54.11	
0.255			47.41	34.81	61.59	51.59	
0.305			42.36	28.46	60.10	50.10	
11.546			40.07	21.17	60.00	50.00	



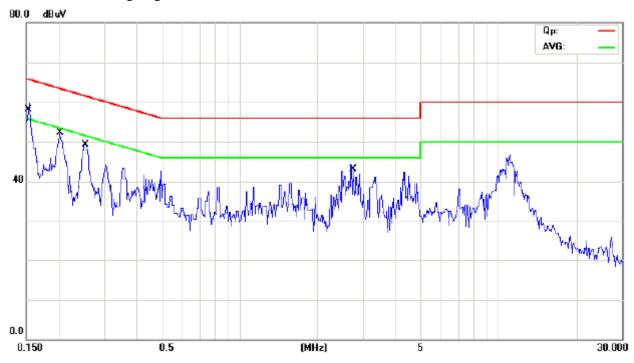
# O: Conducted Emission on Line Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Connect to PC

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Working Voltage: 120V~ 60Hz

**Results:** Pass



Eraguanav		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dB µ V)	
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.151	53.90	41.20			65.92	55.92
0.202	48.56	36.86			63.50	53.50
0.252	43.51	35.11			61.67	51.67
2.751	36.40	27.40			56.00	46.00



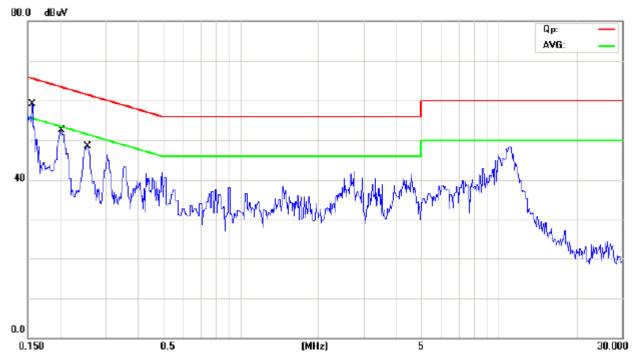
# P: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Connect to PC

Adaptor used for test Model No.: XKD-C2000IC5.0-12W

Working Voltage: 120V~ 60Hz

**Results:** Pass



Engavonov		Reading	(dB μ V)	Limit		
Frequency (MHz)	Live		Neutral		$(dB \mu V)$	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.153			53.30	40.40	65.79	55.79
0.202			49.26	37.26	63.52	53.52
0.253			46.01	34.71	61.66	51.66

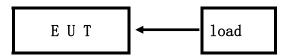
Page 25 of 58

Report No: 0904199 Date: 2009-04-29



#### 5.0 Radiated Disturbance Test

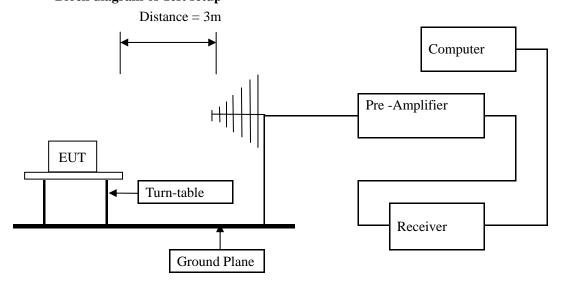
#### 5.1 Schematics of the test



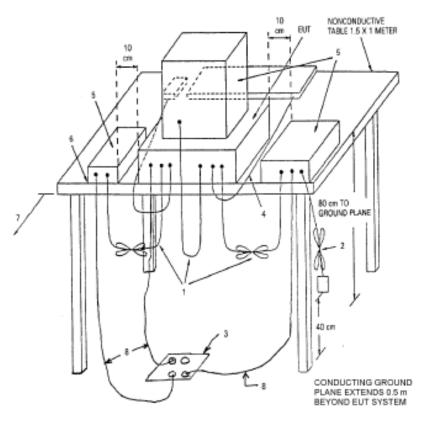
#### 5.2 Test Method and test Procedure:

The EUT was tested according to ANSI C63.4 –2003, The frequency spectrum from 30MHz to 1GHz was investigated. All reading from 30MHz to 1GHz are quasi-peak 0values with a resolution bandwidth of 120KHz. All readings are above 1GHz, peak values with a resolution bandwidth of 1MHz. Measurements were made at 3 meters.

Test Voltage: 120V~, 60Hz Block diagram of Test setup







### 5.3 Radiated Emission Limit

Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
30-88	3	40.00
88-216	3	43.50
216-960	3	46.00
Above 960	3	54.00

Note: The lower limit shall apply at the transition frequencies

#### 5.4 Test result

The frequency spectrum from 30MHz to 1GHz was investigated. All reading from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120KHz. All readings are above 1GHz, peak values with a resolution bandwidth of 1MHz. Measurements were made at 3 meters.



## A: Radiated Disturbance In Horizontal (30MHz----1000MHz)

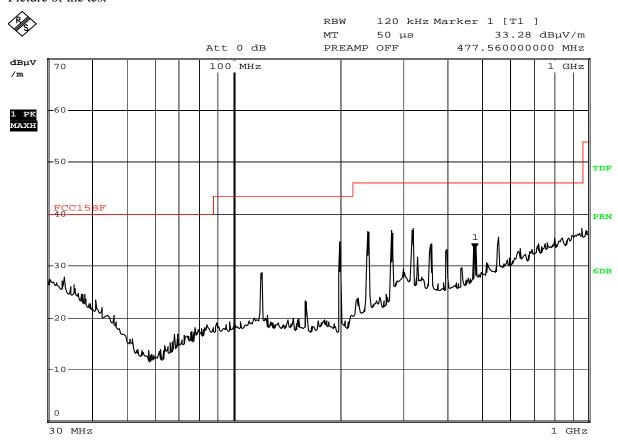
EUT set Condition: Memory

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 00:59:09

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	30.16	Н	43.50
199.040	35.29	Н	43.50
238.800	35.72	Н	46.00
278.520	36.91	Н	46.00
321.520	38.16	Н	46.00

The report refers only to the sample tested and does not apply to the bulk.



## B: Radiated Disturbance In Vertical (30MHz---1000MHz)

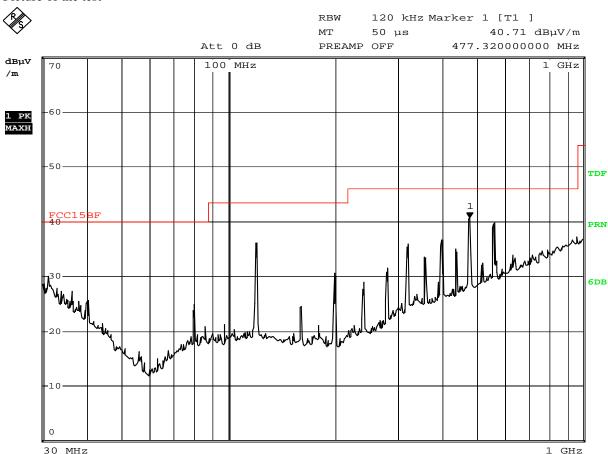
EUT set Condition: Memory

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 00:51:16

Frequency (MHz)	Level@3m ( $dB\mu V/m$ )	Antenna Polarity	$Limit@3m (dB\mu V/m)$
120.520	36.60	V	43.50
320.800	36.90	V	46.00
477.320	41.20	V	46.00

The report refers only to the sample tested and does not apply to the bulk.



## C: Radiated Disturbance In Horizontal (30MHz----1000MHz)

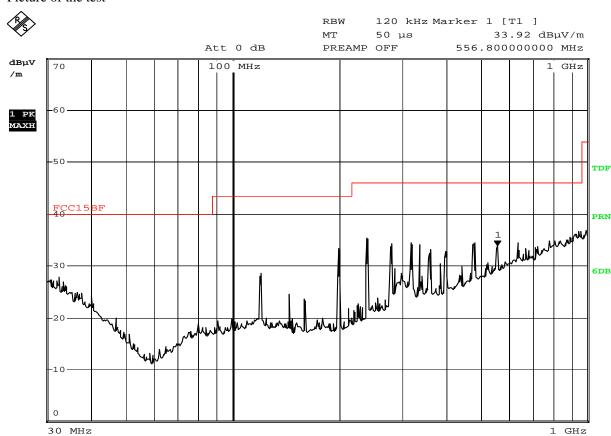
EUT set Condition: Play SD

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:17:47

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	28.96	Н	43.50
199.040	34.12	Н	43.50
238.800	36.29	Н	46.00
281.520	35.69	Н	46.00
318.280	35.56	Н	46.00

The report refers only to the sample tested and does not apply to the bulk.



## D: Radiated Disturbance In Vertical (30MHz---1000MHz)

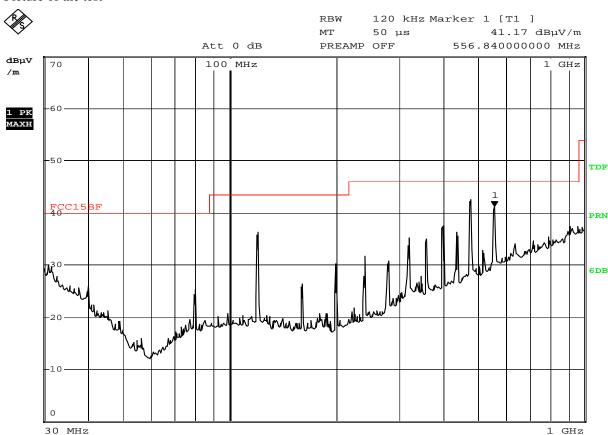
EUT set Condition: Play SD

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:14:23

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	37.06	V	43.50
398.800	38.25	V	46.00
477.320	43.08	V	46.00
556.840	42.12	V	46.00

The report refers only to the sample tested and does not apply to the bulk.



## E: Radiated Disturbance In Horizontal (30MHz----1000MHz)

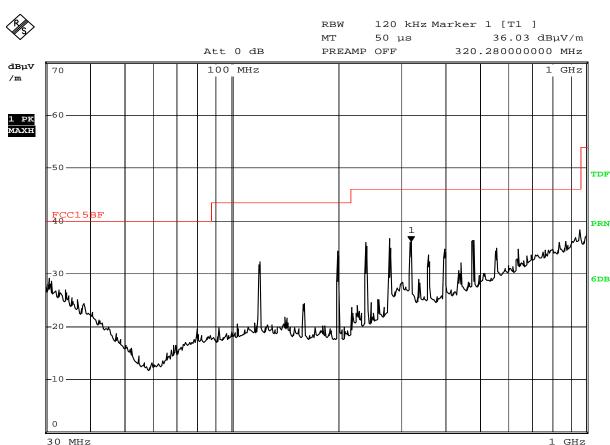
EUT set Condition: Play USB

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:05:28

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	32.60	Н	43.50
199.040	35.67	Н	43.50
238.760	36.29	Н	46.00
278.520	37.15	Н	46.00

The report refers only to the sample tested and does not apply to the bulk.



## F: Radiated Disturbance In Vertical (30MHz---1000MHz)

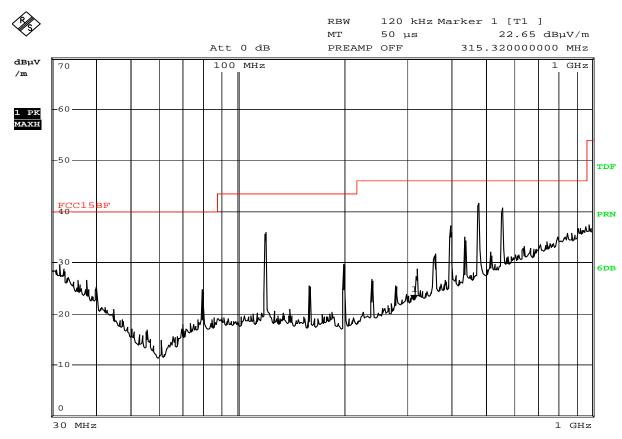
EUT set Condition: Play USB

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:08:54

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	36.28	V	43.50
199.040	30.93	V	43.50
397.800	38.29	V	46.00
477.560	42.16	V	46.00
556.840	41.62	V	46.00

The report refers only to the sample tested and does not apply to the bulk.

Page 33 of 58

Report No: 0904199 Date: 2009-04-29



## G Radiated Disturbance In Horizontal (30MHz----1000MHz)

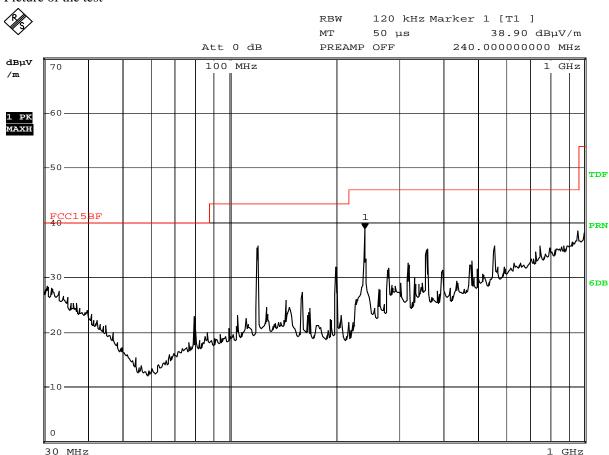
EUT set Condition: Connect to PC

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:28:25

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
240.000	38.90	Н	46.00
120.520	36.25	Н	43.50

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

GHz

Report No: 0904199 Date: 2009-04-29



## H Radiated Disturbance In Vertical (30MHz --- 1000MHz)

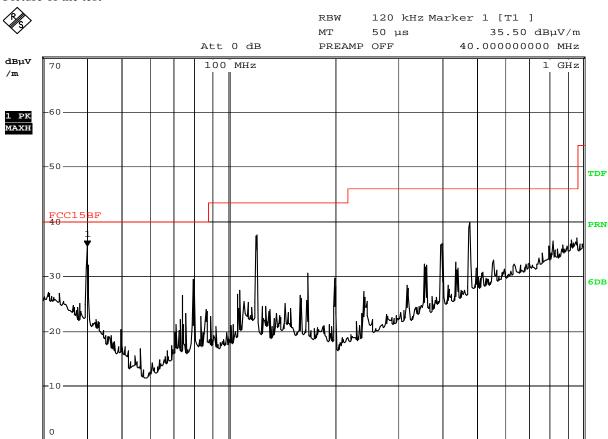
EUT set Condition: Connect to PC

Adaptor used for test Model No.: ADS-18C-12N 12018GPCU

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:33:06

30 MHz

Frequency (MHz)	Level@3m ( $dB\mu V/m$ )	Antenna Polarity	$Limit@3m (dB\mu V/m)$
40.000	35.50	V	40.00
120.520	37.96	V	43.50
477.560	39.93	V	46.00

The report refers only to the sample tested and does not apply to the bulk.



# I Radiated Disturbance In Horizontal (30MHz----1000MHz)

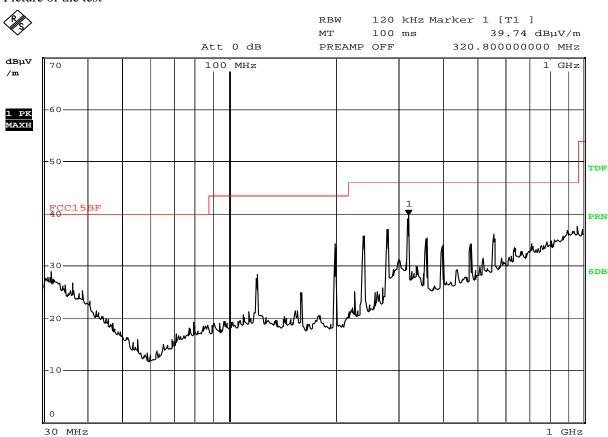
EUT set Condition: Connect to PC

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:48:33

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
239.520	38.00	Н	46.00
199.280	35.41	Н	43.50
281.560	36.24	Н	46.00
320.800	39.34	Н	46.00

The report refers only to the sample tested and does not apply to the bulk.



## J Radiated Disturbance In Vertical (30MHz --- 1000MHz)

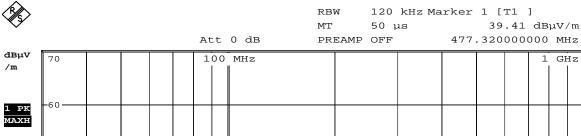
EUT set Condition: Connect to PC

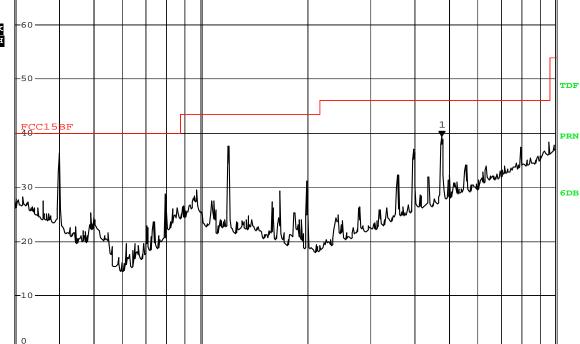
Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test





Date: 29.APR.2009 01:37:39

30 MHz

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
40.000	36.24	V	40.00
120.520	38.23	V	43.50
398.800	36.26	V	46.00
477.320	39.41	V	46.00

The report refers only to the sample tested and does not apply to the bulk.



# K Radiated Disturbance In Horizontal (30MHz----1000MHz)

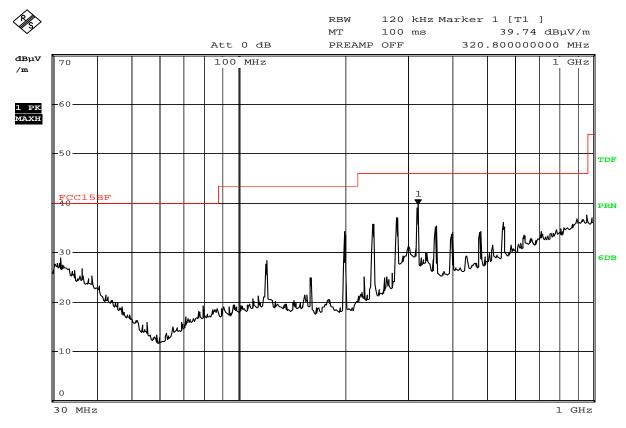
EUT set Condition: Memory

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:48:33

Frequency (MHz)	Level@3m ( $dB\mu V/m$ )	Antenna Polarity	Limit@3m (dBµV/m)
199.040	35.26	Н	43.50
241.280	36.29	Н	46.00
281.520	37.85	Н	46.00
320.800	39.74	Н	46.00

The report refers only to the sample tested and does not apply to the bulk.

Page 38 of 58

Report No: 0904199 Date: 2009-04-29



# L Radiated Disturbance In Vertical (30MHz---1000MHz)

EUT set Condition: Memory

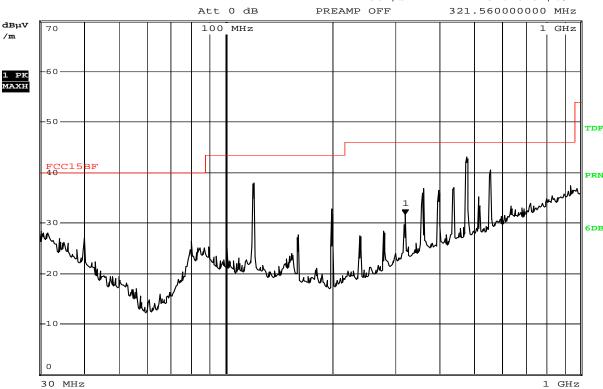
Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test

RBW 120 kHz Marker 1 [T1 ] MT 50 μs 31.70 dBμV/m



Date: 29.APR.2009 01:52:08

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	38.21	V	43.50
199.040	32.77	V	43.50
361.040	36.88	V	47.00
477.320	43.15	V	47.00

The report refers only to the sample tested and does not apply to the bulk.



# Radiated Disturbance In Horizontal (30MHz----1000MHz)

**EUT set Condition:** Play SD

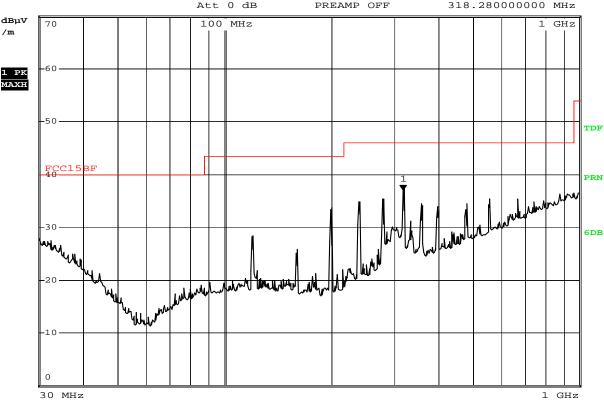
Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B **Results: PASS** 

Please refer to following diagram for individual

Picture of the test

RBW 120 kHz Marker 1 [T1 ] MT50 µs  $37.03 \text{ dB}\mu\text{V/m}$ Att 0 dB 318.280000000 MHz PREAMP OFF dBuV 100 MHz 70



Date: 29.APR.2009 02:05:01

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
200.280	34.08	Н	43.50
241.280	35.21	Н	46.00
281.520	35.86	Н	46.00
321.560	38.29	Н	46.00

The report refers only to the sample tested and does not apply to the bulk.

Page 40 of 58

Report No: 0904199 Date: 2009-04-29



# N Radiated Disturbance In Vertical (30MHz---1000MHz)

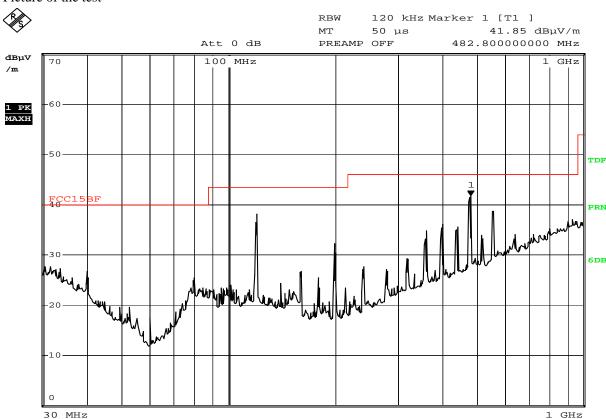
EUT set Condition: Play SD

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 02:08:33

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	37.40	V	43.50
199.280	32.63	V	43.50
482.800	41.85	V	46.00

The report refers only to the sample tested and does not apply to the bulk.



## O Radiated Disturbance In Horizontal (30MHz----1000MHz)

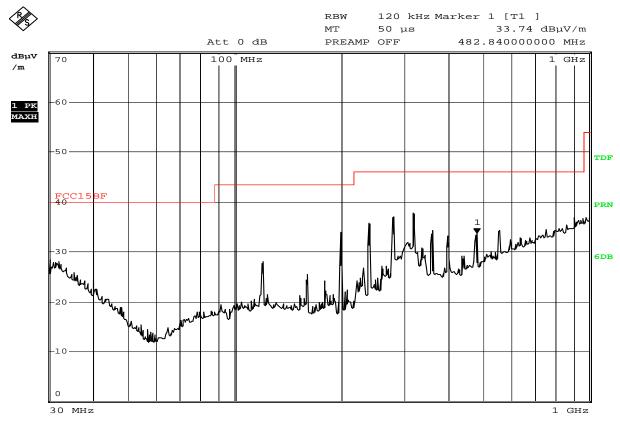
EUT set Condition: Play USB

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 02:01:09

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
119.040	34.31	Н	43.50
238.800	36.25	Н	46.00
281.560	36.82	Н	46.00
319.280	37.82	Н	46.00

The report refers only to the sample tested and does not apply to the bulk.



# P Radiated Disturbance In Vertical (30MHz---1000MHz

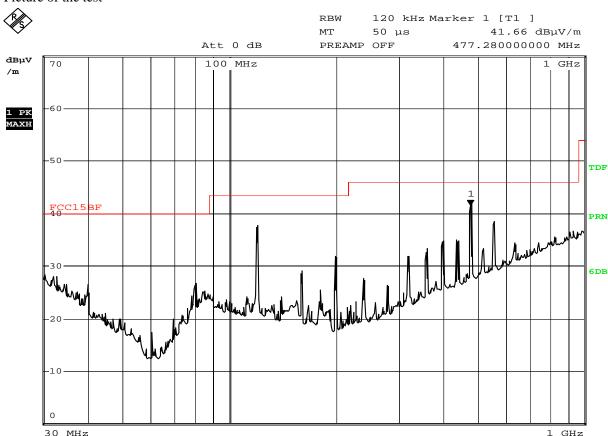
EUT set Condition: Play USB

Adaptor used for test Model No.: XKD-C1500IC12.0-18C-US

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 29.APR.2009 01:56:17

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
120.520	37.60	V	43.50
199.040	32.21	V	43.50
482.800	42.26	V	46.00

The report refers only to the sample tested and does not apply to the bulk.

Page 43 of 58

Report No: 0904199 Date: 2009-04-29



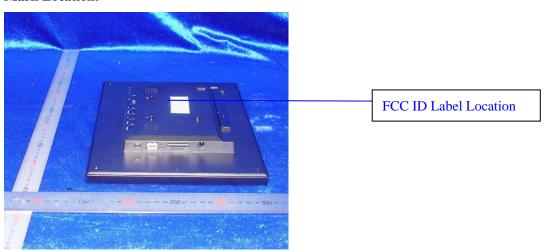
## 6.0 FCC ID Label

# FCC ID: V37-104AML7213D

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

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

### **Mark Location:**





# Photo of testing

#### 7.1 Conducted test View—

## Connect to PC



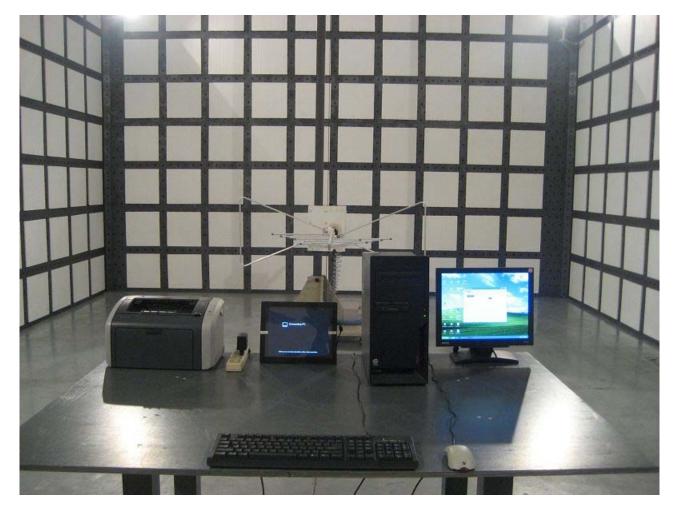
Page 45 of 58

Report No: 0904199 Date: 2009-04-29



### 7.2 Radiated emission test view--



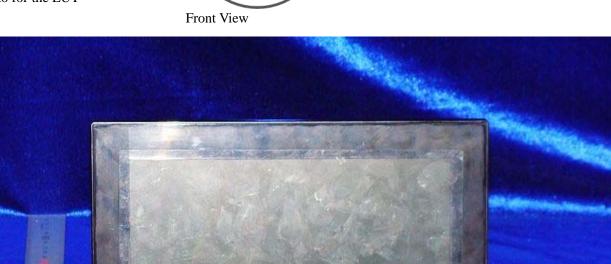


Page 46 of 58

Report No: 0904199 Date: 2009-04-29



## 7.3 Photo for the EUT



Page 47 of 58





Page 48 of 58





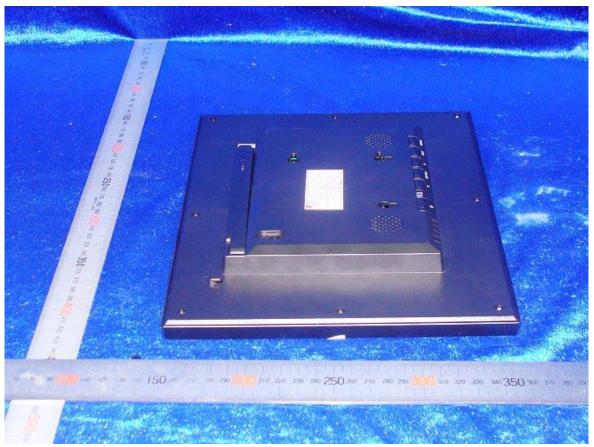
Page 49 of 58





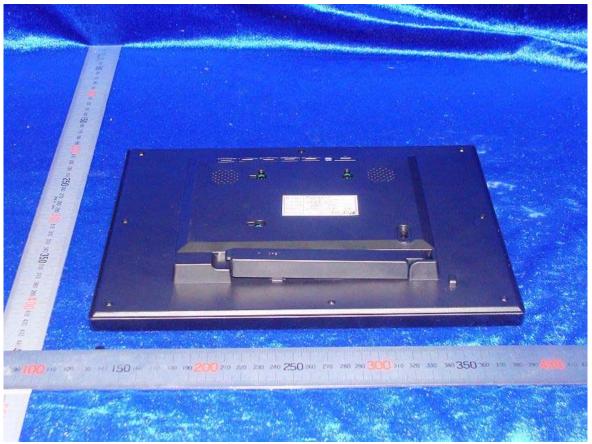
Page 50 of 58





Page 51 of 58





Page 52 of 58





Page 53 of 58





Page 54 of 58





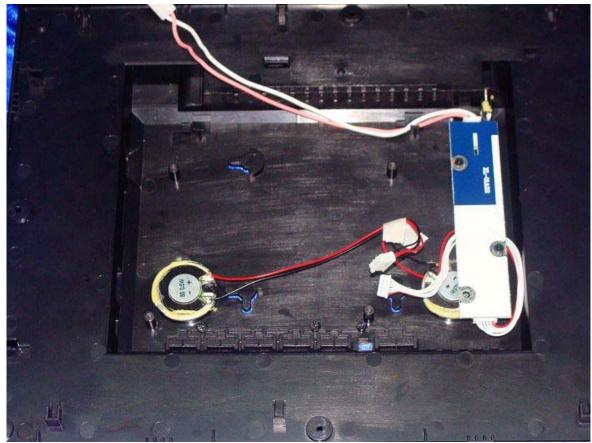
Page 55 of 58





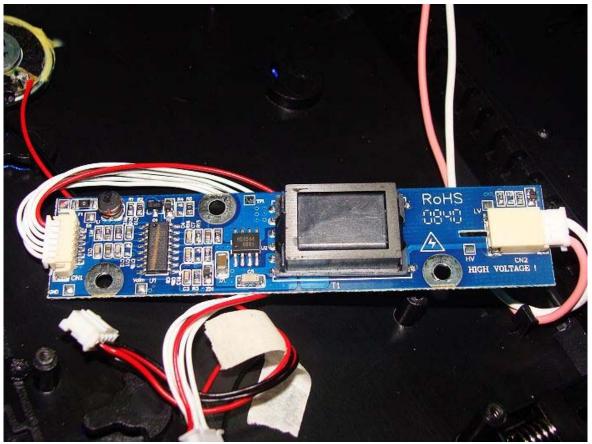
Page 56 of 58





Page 57 of 58





Page 58 of 58

Report No: 0904199 Date: 2009-04-29





# -End of the report-