







ISO/IEC17025 Accredited Lab.

Report No: FCC 0907139 File reference No: 2009-07-28

Applicant: WIN ACCORD LTD.

Product: Digital Photo Frame

Brand Name: N/A

Model No: DF10002-14-XXX(X=A-Z,a-z,0-9)

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

Teny Tany

Terry Tang

Manager

Dated: July 28, 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

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Date: 2009-07-28



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.

VCCI- Registration No.: R-3015 and C-3332

The 3m Semi-anechoic chamber and Shielded Room of Shenzhen Timeway Technology Consulting Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3015 and C-3332 respectively. Date of Registration: March 26, 2009. Valid until March 25, 2012

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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: DF10002-14-XXX(X=A-Z,a-z,0-9)

Additional Model Number: DPF-BP10W

Rating: Input: DC 5V, 500mA

Power Supply:

ADS-12G-0605010GPCU (Made by HONOR); Input:100-240V~, 50/60Hz, 0.3A, Output: DC5V, 2.0A XKD-C2000IC 5.0-12W(Made by MOSO); Input:100-240V~, 50/60Hz, 0.5A, Output: DC5V, 2.0A ZDA050200US(Made by E-TEK); Input:100-240V~, 50/60Hz, 0.35A, Output: DC5V, 2.0A

Remark: Just model names and appearance color are different for the marketing requirement.

1.4 Submitted Sample:

1 Sample

1.5 Test Duration:

2009-07-13 to 2009-07-28

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.



1.7 Test Engineer

The sample tested by

Print Name: Andrew Shu

2.0 List of Measurement Equipment

2.1 Conducted Emission Test

				Calibration	Calibration
Name	Model No.	Serial No.	Manufacturer	Date	Cycle
EMI Test Receiver	ESH3	860905/006	RS	2009.2.22	1Year
			EM Electronics		
Coaxial Switch	EMSW18		Corporation	N/A	N/A
Spectrum Analyzer	ESA-L1500A	US37451154	HP	2009.2.22	1Year
LISN	ESH3-Z5	100294	RS	2009.2.22	1Year
LISN	ESH3-Z5	100253	RS	2009.2.22	1Year

2.2 Radiated electromagnetic disturbance test

				Calibration	Calibration
Name	Model No.	Serial No.	Manufacturer	Date	Cycle
EMI Test Receiver	ESCS30	830245/009	RS	2009.2.22	1Year
Coaxial Switch	MP59B	M70585	ANRITSU	N/A	N/A
Spectrum Analyzer	HP8595E	3441A00893	HP	2009.2.22	1Year
Amplifier	8657B	3208U02589	HP	2009.2.22	1Year
Bilog Antenna	VULB9163	9163/340	Schwarebeck	2009.2.22	1Year

2.3 Auxiliary Equipment

Name	Model No.	Serial No.	Manufacturer	Cable	FCC ID/DOC
				Data cable of 2m	
Keyboard	KB-0225	1211815	IBM	length unshielded	FCC DOC
				Data cable of 2m	
				length unshielded	
	LaserJet			and 1.8m length AC	
Printer	1015	CNFG029476	HP	Mains cable	DOC
				Data cable of 2m	
	LaserJet			length unshielded	
Printer	1022	CNBG591GM7	HP	and 1.8m length AC	DOC

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				Mains cable	
				Data cable of	
				1.5m length	
				unshielded and	
				1.8m length AC	
Monitor	FP51G	ET47604175CLO	BENQ	Mains cable	FCC DOC
				Data cable of	
				1.5m length	
				unshielded and	
				1.8m length AC	
Monitor	6331-4CN	23-DNWX3	IBM	Mains cable	FCC DOC
				1.8m length AC	
PC	8434		IBM	Mains cable	FCC DOC
				Data cable of	
Mouse	M-F105		L.SEletron	1.5m length	FCC DOC

3.0 **Technical Details**

3.1 Investigations Requested Perform Electromagnetic Interference [EMI] tests for FCC Requirement.

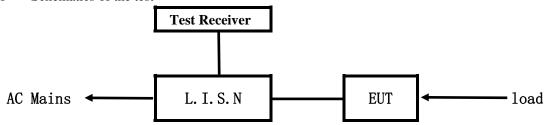
3.2 Test Standards

FCC Part 15 Subpart B: 2008



4.0 Conducted Power line Test

4.1 Schematics of the test

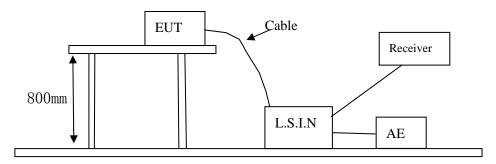


EUT: Equipment Under Test

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.

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



4.3 Power line conducted Emission Limit

Eroguanay (MHz)	Class A Li	mits dB(μV)	Class B Limits dB(μV)		
Frequency(MHz)	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level	
0.15 ~ 0.50	79.00	66.00	66.00~56.00*	56.00~46.00*	
$0.50 \sim 5.00$	0.50 ~ 5.00 73.00		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.

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

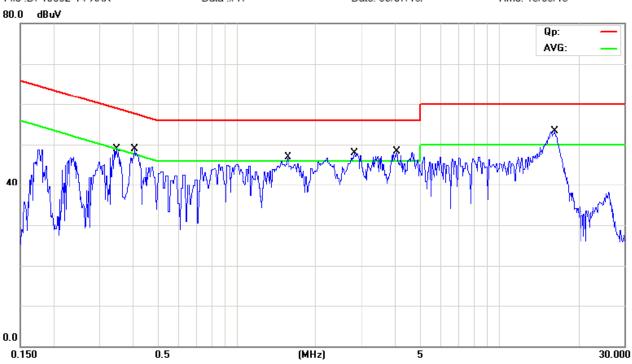
EUT set Condition: Memory

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B
Results: Pass

Please refer to following diagram for individual

File :DF10002-14-XXX Data :#17 Date: 09/07/16/ Time: 15/09/13



Eraguanav	Reading(dBµV)				Limit	
Frequency (MHz)	Live		Neutral		$(dB\mu V)$	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.347	46.61	19.31	-	-	59.02	49.02
1.562	41.62	21.42	-	-	56.00	46.00
2.787	42.31	25.21	-	-	56.00	46.00
4.049	41.22	24.32	-	-	56.00	46.00
16.191	46.05	37.45	-	-	56.00	46.00



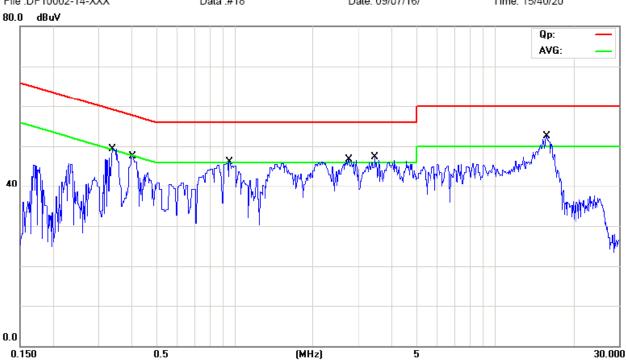
EUT set Condition: Memory

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B **Results: Pass**

Please refer to following diagram for individual

File:DF10002-14-XXX Data :#18 Date: 09/07/16/ Time: 15/40/20



Enaguanav		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.338	-	-	43.40	18.80	59.24	49.24
0.401	-	-	44.17	26.17	57.82	47.82
0.957	-	-	36.95	14.95	56.00	46.00
2.728	-	-	41.89	26.49	56.00	46.00
3.468	-	-	39.59	25.59	56.00	46.00
15.720	-	-	45.27	37.47	60.00	50.00

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



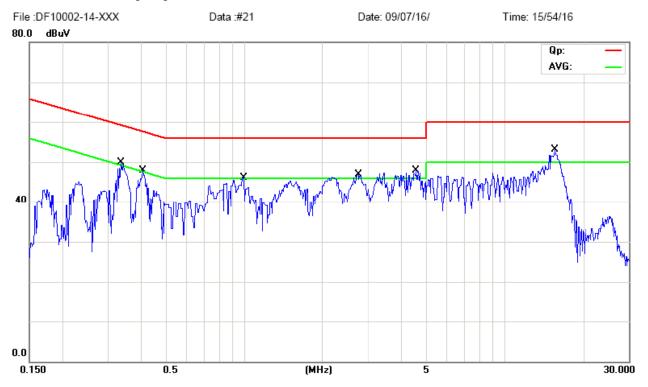
C: Conducted Emission on Live Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Play SD Card

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B
Results: Pass

Please refer to following diagram for individual



Eraguanav		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.335	42.90	29.70	-	-	59.32	49.32
0.405	45.47	23.07	-	-	57.75	47.75
0.992	42.39	29.69	-	-	56.00	46.00
2.726	42.09	25.29	-	-	56.00	46.00
4.548	42.02	26.12	-	-	56.00	46.00
15.572	46.38	37.18	-	-	60.00	50.00

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



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

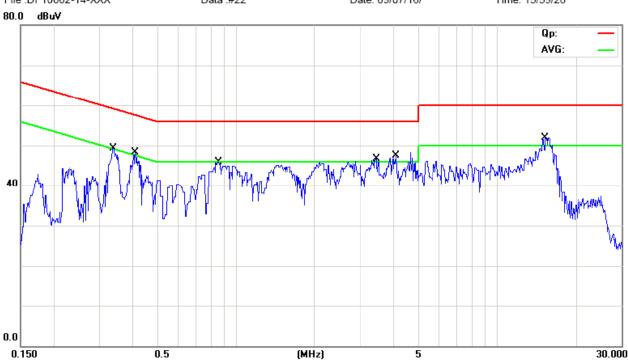
EUT set Condition: Play SD Card

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B
Results: Pass

Please refer to following diagram for individual

File :DF10002-14-XXX Data :#22 Date: 09/07/16/ Time: 15/59/28



Frequency		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.339	-	-	45.10	28.50	59.22	49.22
0.410	-	-	40.78	19.58	57.64	47.64
0.857	-	-	42.45	19.05	56.00	46.00
3.430	-	-	39.97	25.67	56.00	46.00
4.079	-	-	38.73	25.53	56.00	46.00
15.323	-	-	45.39	37.09	60.00	50.00

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

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30.000

Report No: 0907139 Date: 2009-07-28

0.150

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

EUT set Condition: Play USB

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B
Results: Pass

Please refer to following diagram for individual

Fraguanay		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.416	46.28	24.08	-	-	57.51	47.51
0.887	39.58	13.78	-	-	56.00	46.00
2.888	42.56	24.36	-	-	56.00	46.00
3.459	42.68	26.08	-	-	56.00	46.00
4.217	40.69	23.59	-	-	56.00	46.00
15.776	46.17	37.07			60.00	50.00

(MHz)

0.5



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

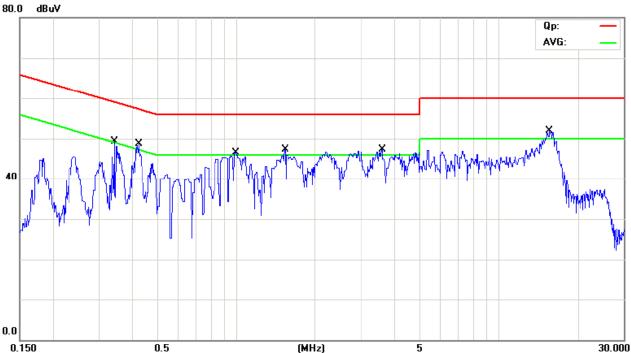
EUT set Condition: Play USB

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B **Results: Pass**

Please refer to following diagram for individual

File:DF10002-14-XXX Data :#19 Date: 09/07/16/ Time: 15/43/54 80.0 dBuV



Fraguency		Reading	Limit			
Frequency (MHz)	Live		Neutral		$(dB\mu V)$	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.342	-	-	36.70	26.30	59.14	49.14
0.423	-	-	45.69	31.29	57.38	47.38
0.991	-	-	35.89	23.29	56.00	46.00
1.532	-	-	41.11	30.81	56.00	46.00
3.575	-	-	40.53	25.13	56.00	46.00
15.665	-	-	45.17	37.27	60.00	50.00

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



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

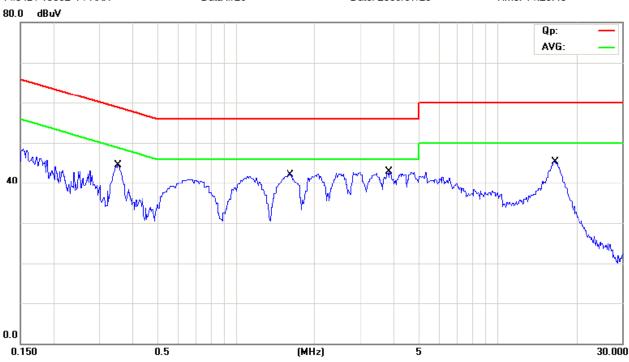
EUT set Condition: Connect to PC

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B
Results: Pass

Please refer to following diagram for individual

File :DF10002-14-XXX Data :#26 Date: 2009/07/20 Time: 14:20:40



Frequency (MHz)		Reading	Limit			
	Live		Neutral		(dBµV)	
	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.352	44.49	36.01	-	-	58.91	48.91
1.613	42.20	34.90	-	-	56.00	46.00
3.852	42.96	34.50	-	-	56.00	46.00
16.625	45.40	39.93	-	-	60.00	50.00



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

EUT set Condition: Connect to PC

Adaptor used for test Model No.: ZDA050200US (Made by E-TEK)

Level Class B
Results: Pass

Please refer to following diagram for individual

File :DF10002-14-XXX Data :#27 Date: 2009/07/20 Time: 14:24:14

80.0 dBuV

Qp:
AVG:

0.0
0.0
0.150 0.5 (MHz) 5 30.000

F		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.336	-	-	47.90	41.74	59.30	49.30
0.411	-	-	47.08	40.47	57.62	47.62
2.120	-	-	44.96	38.55	56.00	46.00
2.907	-	-	47.00	39.47	56.00	46.00
4.100	-	-	47.92	38.41	56.00	46.00
16.000	-	-	52.71	39.31	60.00	50.00



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

EUT set Condition: Play SD Card

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B
Results: Pass

Please refer to following diagram for individual

Eroguanov		Reading	Limit			
Frequency (MHz)	Live	2	Neutral		(dBµV)	
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.291	54.75	29.75	-	-	60.47	50.47
0.608	50.89	25.59	-	-	56.00	46.00
0.743	48.63	25.03	-	-	56.00	46.00
1.023	49.91	26.31	-	-	56.00	46.00
1.471	49.89	28.39	-	-	56.00	46.00
2.427	46.67	25.17	-	-	56.00	46.00

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



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

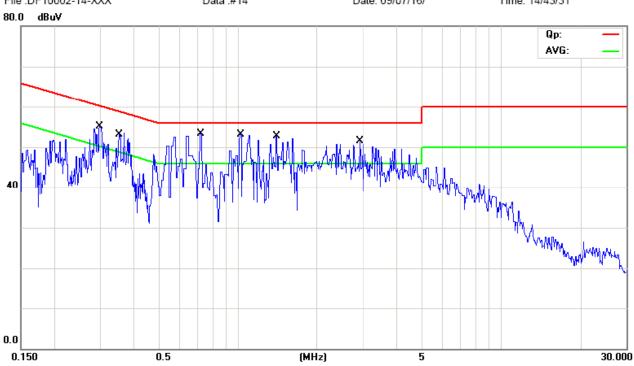
EUT set Condition: Play SD Card

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B **Results: Pass**

Please refer to following diagram for individual

File:DF10002-14-XXX Data :#14 Date: 09/07/16/ Time: 14/43/31



Frequency (MHz)		Reading	Limit			
	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.298	-	-	47.76	31.46	60.28	50.28
0.353	-	-	43.61	37.91	58.89	48.89
0.721	-	-	44.60	22.30	56.00	46.00
1.025	-	-	44.41	23.21	56.00	46.00
1.398	-	-	43.26	29.56	56.00	46.00
2.894	-	-	41.16	29.76	56.00	46.00

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



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

EUT set Condition: Play USB

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B
Results: Pass

Please refer to following diagram for individual

Eraguanav		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dBµV)	
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.293	52.95	28.25	-	-	60.42	50.42
0.356	52.62	22.22	-	-	58.82	48.82
0.686	50.87	24.47	-	-	56.00	46.00
1.080	51.53	24.53	-	-	56.00	46.00
1.483	51.99	26.49	-	-	56.00	46.00



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

EUT set Condition: Play USB

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B
Results: Pass

Please refer to following diagram for individual

File :DF10002-14-XXX Data :#11 Date: 09/07/16/ Time: 14/18/07

80.0 dBw

Qp:
AVG:

0.0

0.150 0.5 (MHz) 5 30.000

Eraguanav		Reading	Limit			
Frequency (MHz)	Live		Neutr	Neutral		V)
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.286	-	-	44.84	34.84	60.64	50.64
0.363	-	-	44.23	37.63	58.66	48.66
0.575	-	-	45.45	38.25	56.00	46.00
0.901	-	-	41.50	24.80	56.00	46.00
1.500	-	-	45.50	29.00	56.00	46.00
2.294	-	-	40.92	29.82	56.00	46.00

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



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

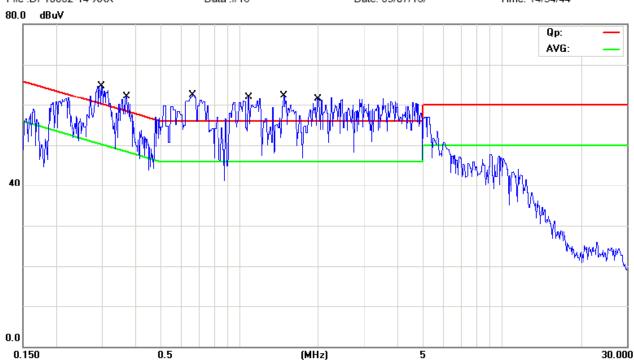
EUT set Condition: Connect to PC

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B **Results: Pass**

Please refer to following diagram for individual

File:DF10002-14-XXX Data :#16 Date: 09/07/16/ Time: 14/54/44



Frequency		Reading	Limit			
(MHz)	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.296	58.95	35.25	-	1	60.35	50.35
0.369	55.13	29.13	-	1	58.51	48.51
0.663	54.64	31.24	-	1	56.00	46.00
1.083	54.43	28.23	-	1	56.00	46.00
1.471	53.89	31.19	-	-	56.00	46.00
1.984	54.39	29.19	-	-	56.00	46.00

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



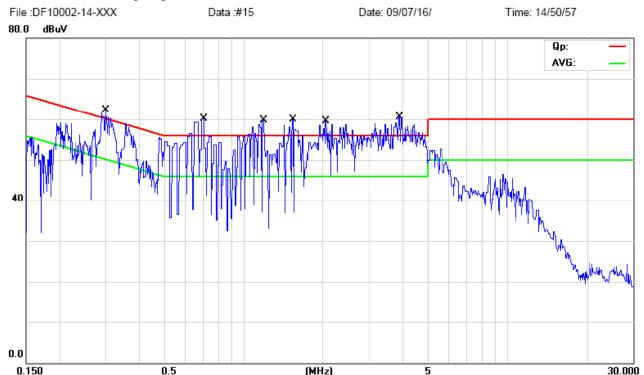
N: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Connect to PC

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B
Results: Pass

Please refer to following diagram for individual



Emaguamay		Reading	Limit			
Frequency (MHz)	Live	;	Neutral		(dBµV)	
(MITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.299	-	-	54.46	47.56	60.25	50.25
0.698	-	-	51.08	43.68	56.00	46.00
1.181	-	-	49.67	35.67	56.00	46.00
1.531	-	-	51.91	37.21	56.00	46.00
2.049	-	-	50.72	34.32	56.00	46.00
3.881	-	-	52.15	27.35	56.00	46.00

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

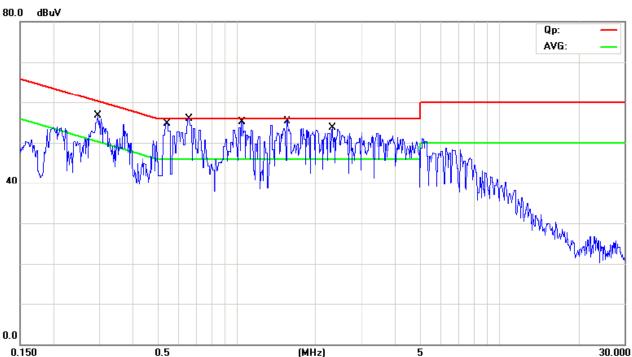
EUT set Condition: Memory

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B **Results: Pass**

Please refer to following diagram for individual

File:DF10002-14-XXX Data:#9 Date: 09/07/16/ Time: 14/08/10



Fraguency		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dBµV)	
(MITZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.294	52.15	28.25	-	-	60.40	50.40
0.539	49.21	24.21	-	-	56.00	46.00
0.655	49.74	22.54	-	-	56.00	46.00
1.047	48.42	26.32	-	-	56.00	46.00
1.553	47.72	25.22	-	-	56.00	46.00
2.308	47.52	24.62	-	-	56.00	46.00

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



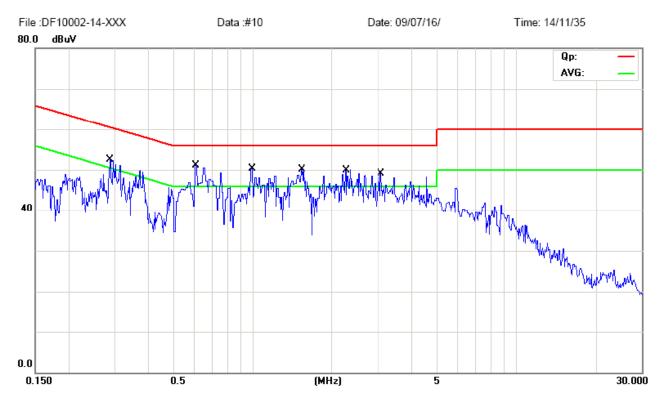
P: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Memory

Adaptor used for test Model No.: ADS-12G-0605010GPCU(Made by HONOR)

Level Class B
Results: Pass

Please refer to following diagram for individual



Frequency (MHz)		Reading	Limit			
	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.287	-	-	45.55	31.45	60.61	50.61
0.608	-	-	43.59	36.59	56.00	46.00
0.990	-	-	43.29	40.59	56.00	46.00
1.528	-	-	43.01	22.21	56.00	46.00
2.249	-	-	42.80	29.50	56.00	46.00
3.053	-	-	41.22	30.92	56.00	46.00

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

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Report No: 0907139 Date: 2009-07-28

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

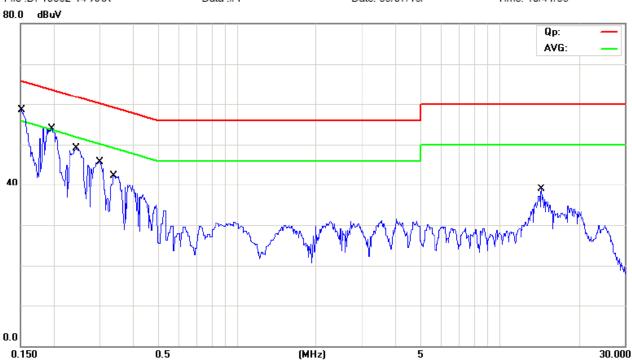
EUT set Condition: Memory

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B
Results: Pass

Please refer to following diagram for individual

File :DF10002-14-XXX Data :#1 Date: 09/07/16/ Time: 10/41/08



Frequency		Reading	Limit			
(MHz)	Live		Neutral		(dBµV)	
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.150	57.60	45.20	-	-	65.96	55.96
0.196	53.15	45.35	-	-	63.77	53.77
0.244	48.30	32.60	-	-	61.94	51.94
0.299	44.16	30.26	-	-	60.26	50.26
0.337	38.26	31.60	-	-	59.26	49.26
14.435	31.21	22.51	-	-	60.00	50.00

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



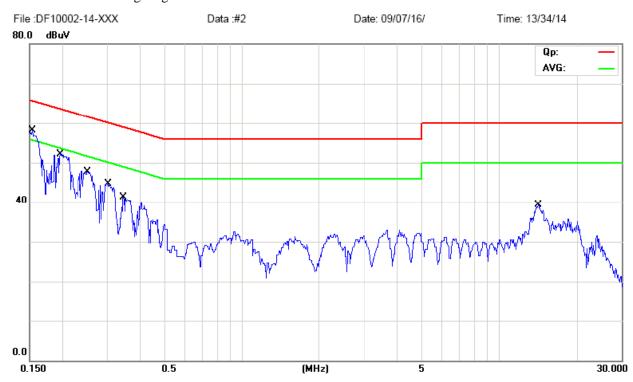
R: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Memory

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B
Results: Pass

Please refer to following diagram for individual



Frequency		Reading	Limit			
(MHz)	Live		Neutr	Neutral		V)
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.151	-	-	56.40	46.60	65.91	55.91
0.196	-	-	45.85	31.85	63.77	53.77
0.251	-	-	44.21	40.11	61.72	51.72
0.299	-	-	39.56	37.26	60.27	50.27
0.344	-	-	29.11	22.71	59.09	49.09
14.221	-	-	33.62	26.32	60.00	50.00

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



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

EUT set Condition: Read SD Card

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B
Results: Pass

Please refer to following diagram for individual

Eroguanav	Reading(dBμV)			Limit		
Frequency (MHz)	Live	;	Neutr	al	(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.154	54.01	36.11	-	-	65.74	55.74
0.209	48.26	36.86	-	-	63.23	53.23
0.255	40.61	36.21	-	-	61.57	51.57
0.325	37.59	25.09	-	-	59.56	49.56
0.362	36.03	31.43	-	-	58.66	48.66
14.195	34.02	27.22	-	-	60.00	50.00



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

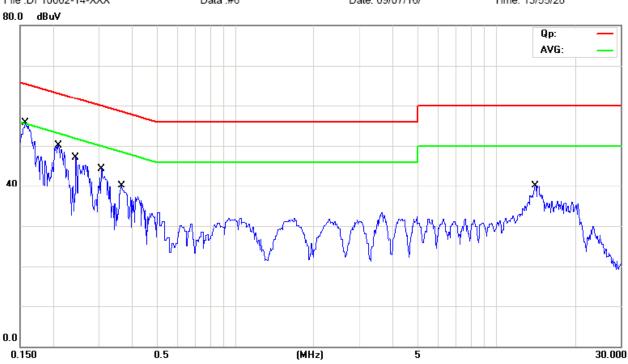
EUT set Condition: Read SD Card

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B **Results: Pass**

Please refer to following diagram for individual

File:DF10002-14-XXX Date: 09/07/16/ Time: 13/55/28



Eraguanav		Reading	ing(dBµV) Limit			t
Frequency (MHz)	Live	;	Neutr	al	(dBµV	V)
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.154	1	-	53.81	31.71	65.74	55.74
0.208	1	-	48.16	32.46	63.26	53.26
0.245	1	-	34.70	26.50	61.92	51.92
0.306	1	-	33.27	29.27	60.07	50.07
0.364	1	-	36.53	29.03	58.63	48.63
14.083	-	-	33.82	26.92	60.00	50.00

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



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

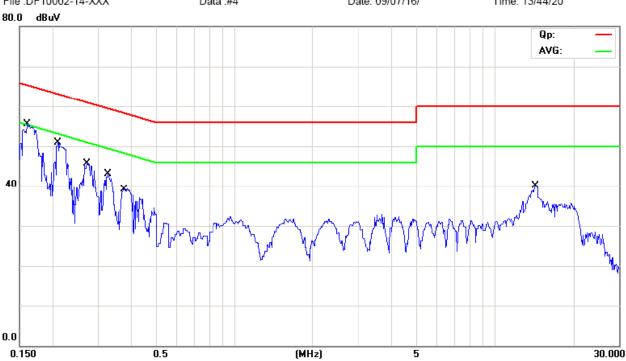
EUT set Condition: Read USB

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B **Results: Pass**

Please refer to following diagram for individual

File:DF10002-14-XXX Data :#4 Date: 09/07/16/ Time: 13/44/20



Emaguamay		Reading	g(dBµV)		Limit		
Frequency (MHz)	Live	Live		Neutral		(dBµV)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average	
0.158	53.31	31.01	-	-	65.53	55.53	
0.209	42.96	35.66	-	-	63.24	53.24	
0.270	44.33	29.23	-	-	61.11	51.11	
0.325	38.09	28.19	-	-	59.56	49.56	
0.376	35.14	26.64	-	-	58.37	48.37	
14.315	34.11	26.61	-	-	60.00	50.00	



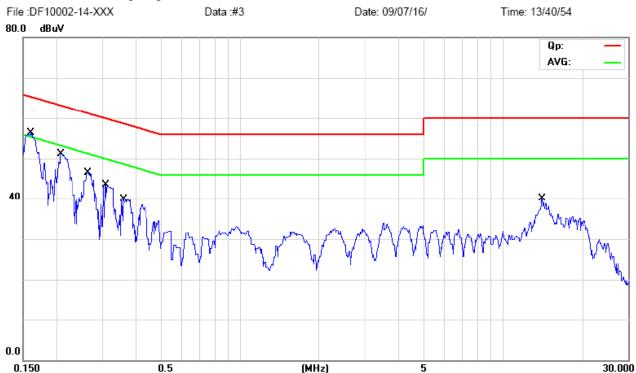
V: Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Read USB

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B
Results: Pass

Please refer to following diagram for individual



Eraguanav	Reading(dBμV)			Limit		
Frequency (MHz)	Live	;	Neutral		(dBµV	V)
(IVIIIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.158	-	-	50.61	33.51	65.54	55.54
0.210	-	-	44.06	37.46	63.20	53.20
0.263	-	-	37.22	32.92	61.31	51.31
0.307	-	-	30.57	25.27	60.05	50.05
0.360	-	-	28.62	26.82	58.73	48.73
14.075	-	-	33.92	26.92	60.00	50.00

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



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

EUT set Condition: Connect to PC

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B
Results: Pass

Please refer to following diagram for individual

File :DF10002-14-XXX Data :#8 Date: 09/07/16/ Time: 14/03/47
80.0 dBuV

40

0.0 (MHz) 5 30.000

Eroguanav		Reading(dBμV)			Limit	
Frequency (MHz)	Live	;	Neutr	Neutral		V)
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.152	53.80	32.00			65.88	55.88
0.204	48.16	36.76			63.45	53.45
0.252	44.11	31.21			61.66	51.66
0.306	41.67	31.17			60.07	50.07
6.674	42.40	32.30			60.00	50.00
13.607	36.13	29.83			60.00	50.00



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

EUT set Condition: Connect to PC

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level Class B
Results: Pass

Please refer to following diagram for individual



Enaguanav	Reading(dBµV)			Limit		
Frequency (MHz)	Live	;	Neutr	al	(dBµV	V)
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.151			53.60	33.90	65.91	55.91
0.206			48.36	34.06	63.36	53.36
0.249			43.51	24.81	61.78	51.78
0.302			41.46	30.86	60.17	50.17
6.353			42.63	34.93	60.00	50.00
6.946			50.68	46.58	60.00	50.00



5.0 Radiated Disturbance Test

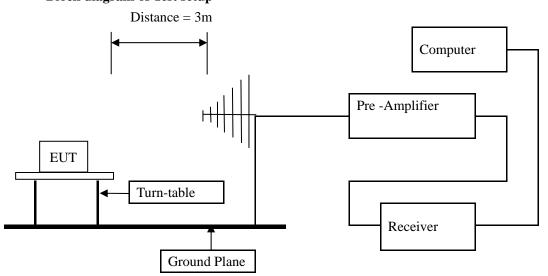
5.1 Schematics of the test



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.

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

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

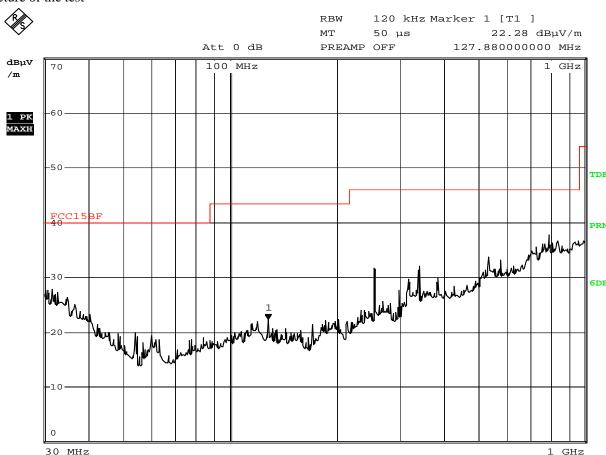
EUT set Condition: Memory

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 17:48:20

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	$Limit@3m (dB\mu V/m)$
127.880	22.28	Н	43.50
256.440	31.43	Н	46.00
341.200	32.04	Н	46.00

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1 GHz

Report No: 0907139 Date: 2009-07-28



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

EUT set Condition: Memory

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

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 19.06 dBμV/m

Att 0 dB PREAMP OFF 90.840000000 MHz

TOF

SO UPS 19.06 dBpt/III

FECTION 100 MHz

TOF

SO UPS 19.06 dBpt/III

FOR 19.06 dBpt/

Date: 30.JUL.2009 17:46:49

30 MHz

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
42.680	31.09	V	40.00
47.920	30.28	V	40.00
128.200	25.64	V	43.50

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



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

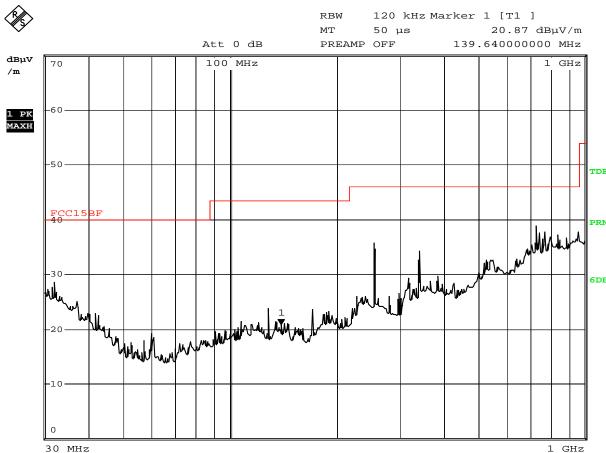
EUT set Condition: Read SD Card

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 17:31:55

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
128.120	23.76	Н	43.50
255.560	35.79	Н	46.00
341.960	34.32	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)

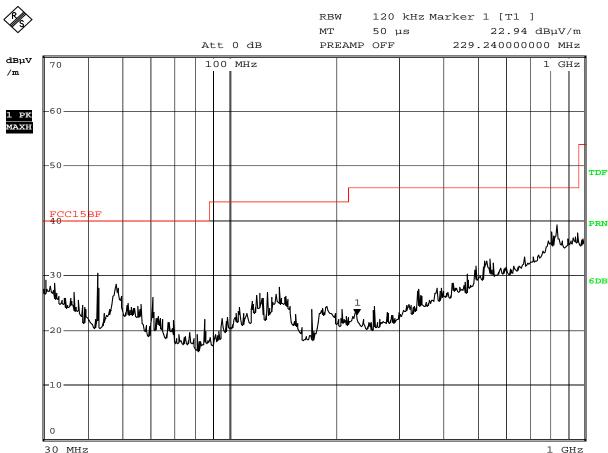
EUT set Condition: Read SD Card

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 17:30:34

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	$Limit@3m\ (dB\mu V/m)$
42.680	30.38	V	40.00
47.880	28.46	V	40.00
139.440	24.73	V	43.50

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



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

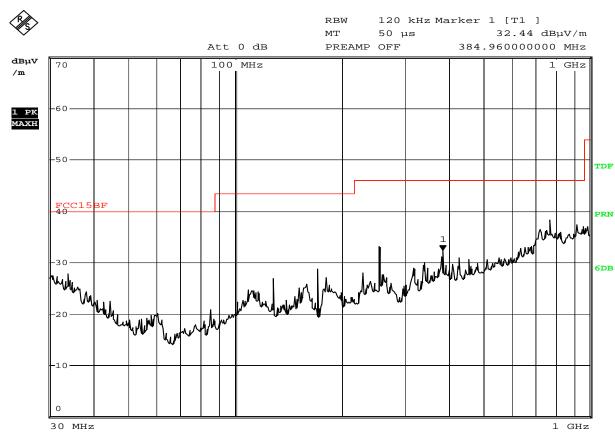
EUT set Condition: Read USB

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:20:30

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m (dBµV/m)
109.080	24.64	Н	43.50
128.160	26.96	Н	43.50
171.000	28.81	Н	43.50
255.520	33.17	Н	46.00
384.960	32.44	Н	46.00

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

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

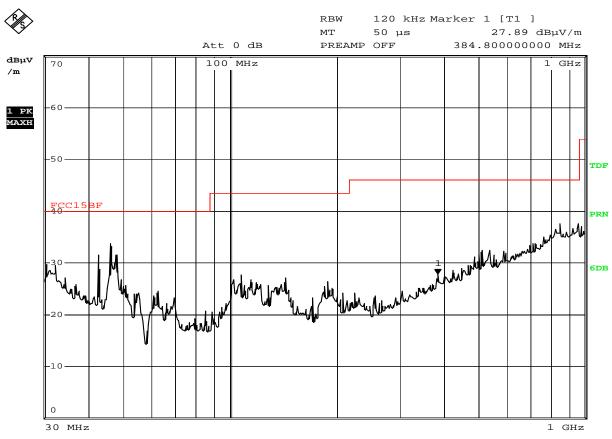
EUT set Condition: Read USB

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:21:31

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
46.040	33.79	V	40.00
62.480	24.46	V	40.00
109.200	27.71	V	43.50
142.880	27.17	V	43.50
188.640	26.29	V	43.50

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



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

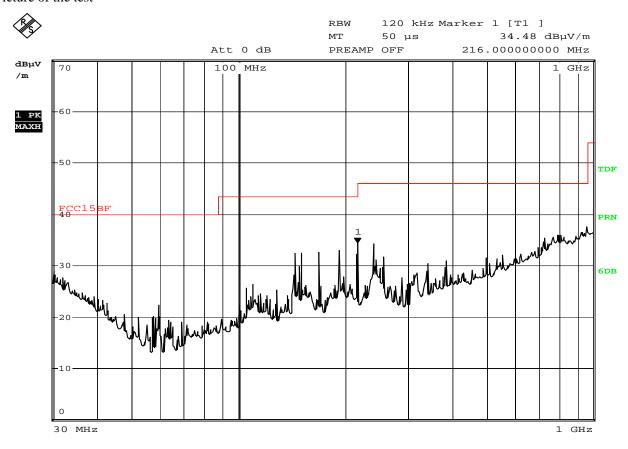
EUT set Condition: Connect to PC

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 18:13:34

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
144.000	32.48	Н	43.50
168.000	32.52	Н	43.50
192.000	32.99	Н	43.50
216.000	34.48	Н	43.50

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



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

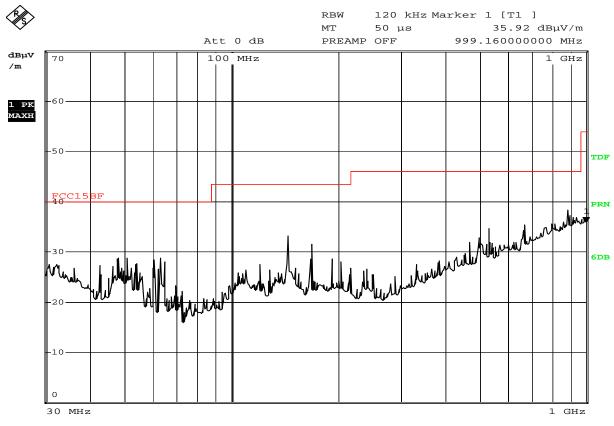
EUT set Condition: Connect to PC

Adaptor used for test XKD-C2000IC 5.0-12W (Made by MOSO)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 18:11:01

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
50.640	28.84	V	40.00
144.000	33.11	V	43.50
168.000	31.46	V	43.50
533.400	34.67	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)

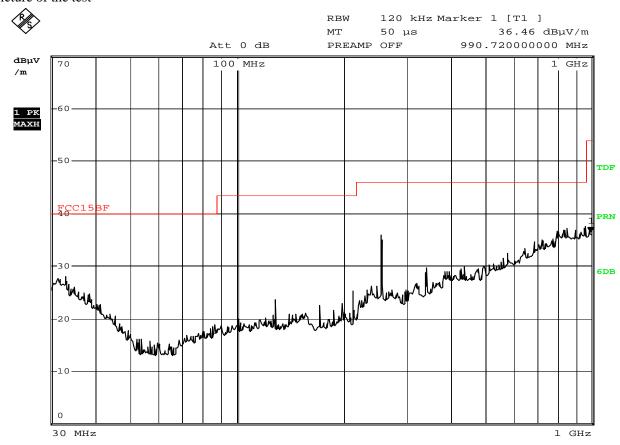
EUT set Condition: Memory

Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 15:21:16

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
127.840	23.52	Н	43.50
212.880	25.31	Н	43.50
255.400	35.99	Н	46.00

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



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

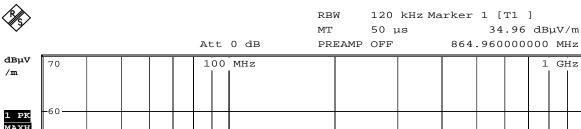
EUT set Condition: Memory

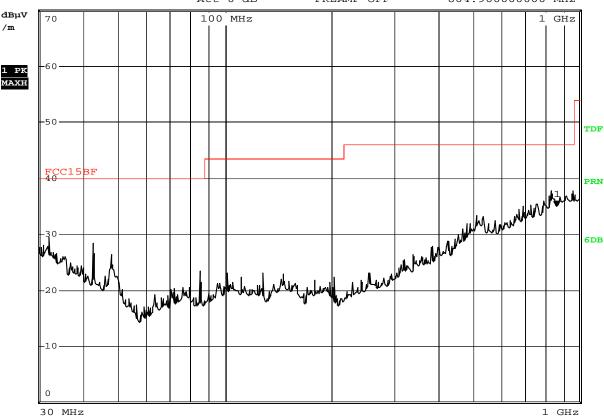
Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B **Results: PASS**

Please refer to following diagram for individual

Picture of the test





30.JUL.2009 16:09:38 Date:

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
42.680	28.32	V	40.00
47.840	26.41	V	40.00
85.160	23.36	V	40.00

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: Read SD Card

Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B
Results: PASS

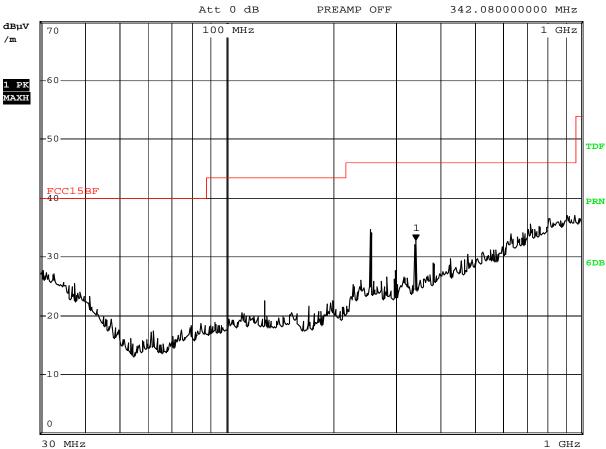
Please refer to following diagram for individual

Picture of the test



RBW 120 kHz Marker 1 [T1]

MT 50 µs 32.81 dBµV/m



Date: 30.JUL.2009 17:11:08

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
255.560	34.72	Н	46.00
342.080	32.81	Н	46.00

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

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

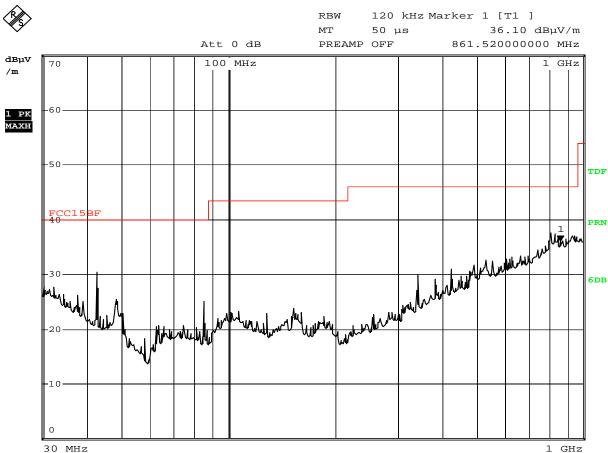
EUT set Condition: Read SD Card

Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 17:09:24

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
42.640	30.47	V	40.00
48.200	25.46	V	40.00
85.200	25.03	V	40.00
341.960	29.95	V	46.00

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



M: Radiated Disturbance In Horizontal (30MHz----1000MHz)

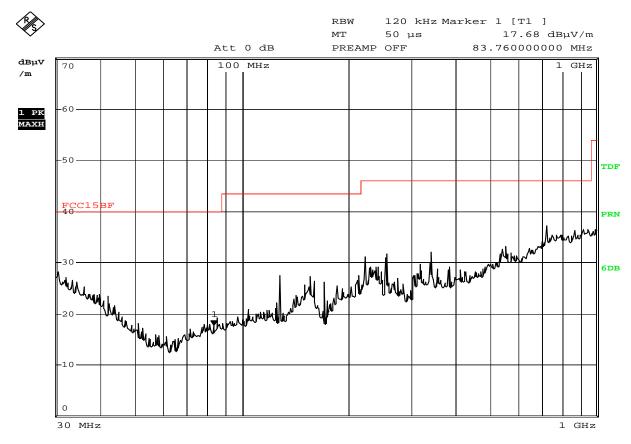
EUT set Condition: Read USB

Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:27:59

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
128.160	27.42	Н	43.50
155.840	27.23	Н	43.50
222.400	31.18	Н	46.00
256.440	31.65	Н	46.00
342.080	32.03	Н	46.00

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



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

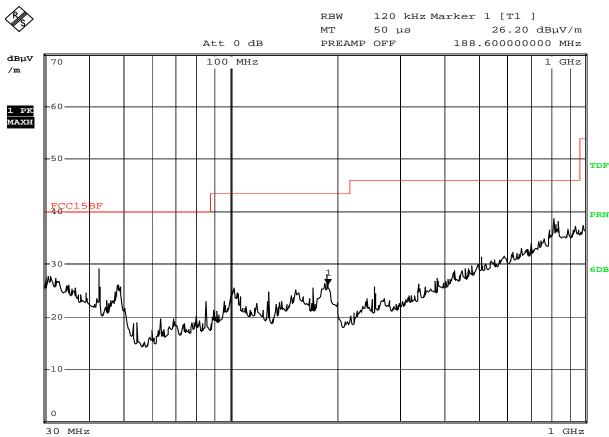
EUT set Condition: Read USB

Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:25:57

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
42.640	29.13	V	40.00
48.160	25.99	V	40.00
102.400	25.40	V	43.50
129.720	24.67	V	43.50
189.920	27.94	V	43.50

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



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

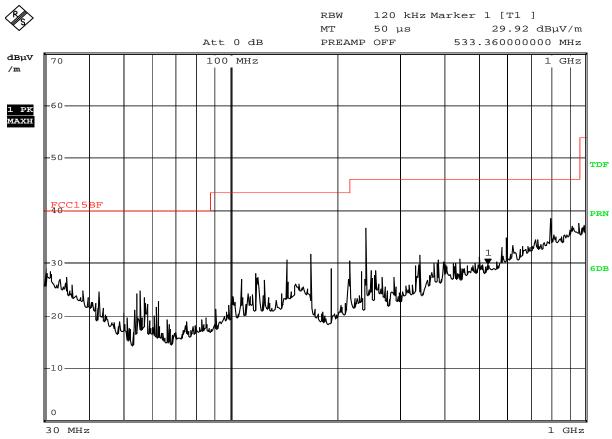
EUT set Condition: Connect to PC

Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 17:00:46

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
55.560	24.78	Н	40.00
168.000	31.63	Н	43.50
240.000	36.63	Н	46.00
341.960	31.46	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)

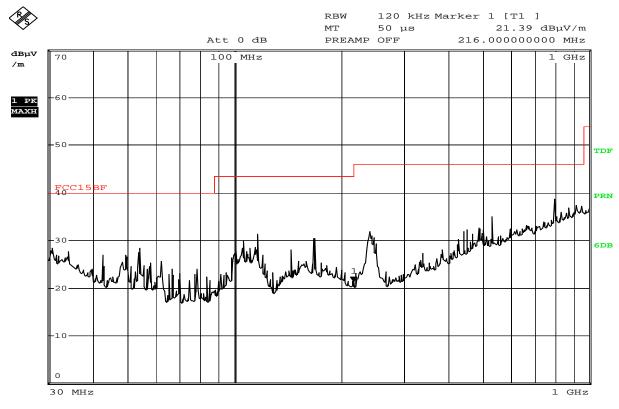
EUT set Condition: Connect to PC

Adaptor used for test Model: ADS-12G-0605010GPCU (Made by HONOR)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 30.JUL.2009 16:58:52

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	$Limit@3m\ (dB\mu V/m)$
54.120	28.30	V	40.00
115.760	31.38	V	43.50
168.000	30.48	V	43.50
240.320	31.93	V	46.00
533.360	35.02	V	46.00

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



Q: Radiated Disturbance In Horizontal (30MHz----1000MHz)

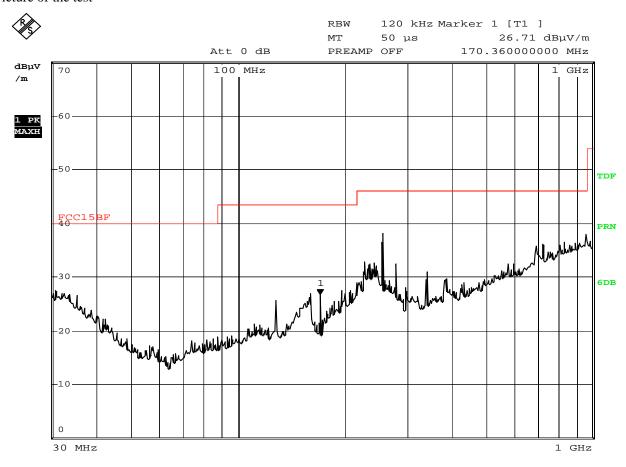
EUT set Condition: Read SD Card

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:39:50

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
128.160	25.65	Н	43.50
159.760	26.93	Н	43.50
227.000	32.82	Н	46.00
256.440	38.10	Н	46.00

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



R: Radiated Disturbance In Vertical (30MHz---1000MHz)

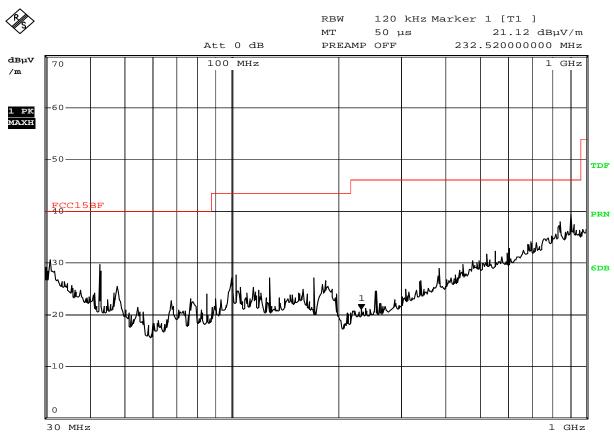
EUT set Condition: Read SD Card

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:37:43

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
42.640	29.59	V	40.00
67.640	22.67	V	40.00
102.760	27.71	V	43.50
128.160	27.18	V	43.50
170.960	27.02	V	43.50

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

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S: Radiated Disturbance In Horizontal (30MHz----1000MHz)

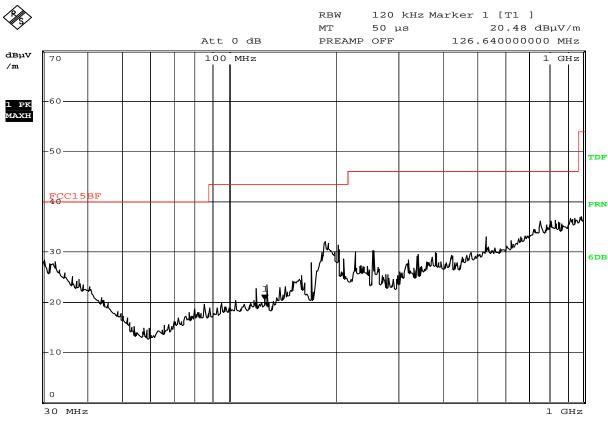
EUT set Condition: Memory

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 13:23:47

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
85.520	20.40	Н	40.00
127.800	21.77	Н	43.50
170.960	24.42	Н	43.50
255.440	33.06	Н	46.00
340.720	29.38	Н	46.00

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



T: Radiated Disturbance In Vertical (30MHz----1000MHz)

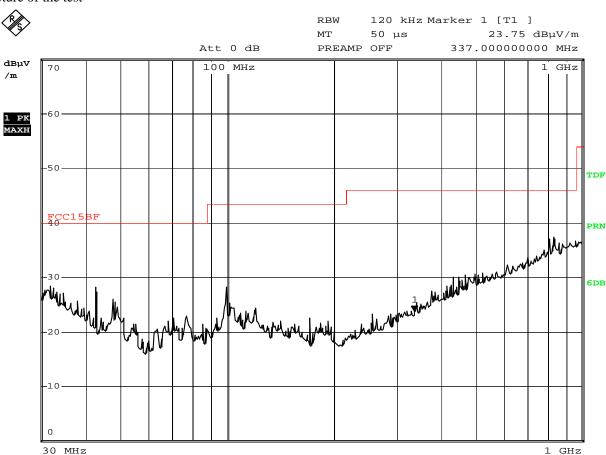
EUT set Condition: Memory

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:45:02

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	$Limit@3m (dB\mu V/m)$
42.640	28.12	V	40.00
47.640	26.07	V	40.00
99.400	28.13	V	43.50

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



U: Radiated Disturbance In Horizontal (30MHz----1000MHz)

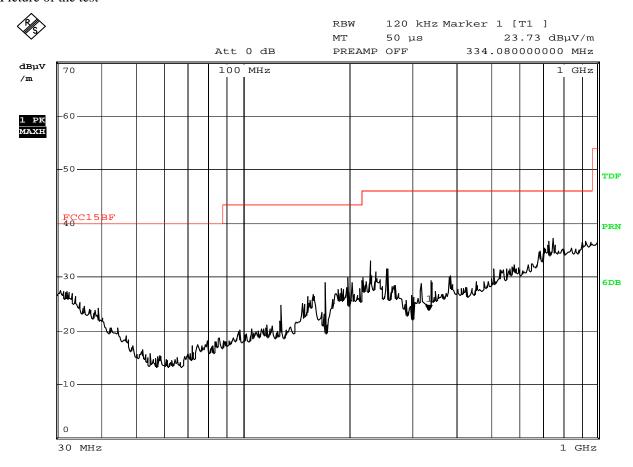
EUT set Condition: Read USB

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:33:02

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
127.840	24.66	Н	43.50
170.960	28.89	Н	43.50
228.640	32.96	Н	46.00
256.440	31.48	Н	46.00

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V: Radiated Disturbance In Vertical (30MHz----1000MHz)

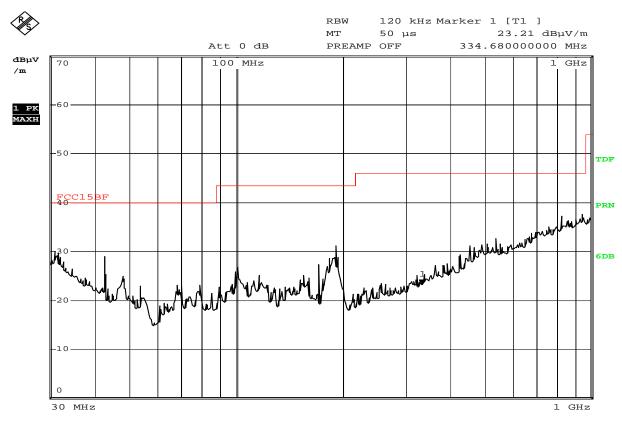
EUT set Condition: Read USB

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:34:03

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
42.680	29.01	V	40.00
48.120	24.94	V	40.00
68.080	23.04	V	40.00
99.800	25.81	V	43.50
190.760	31.17	V	43.50

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



W: Radiated Disturbance In Horizontal (30MHz----1000MHz)

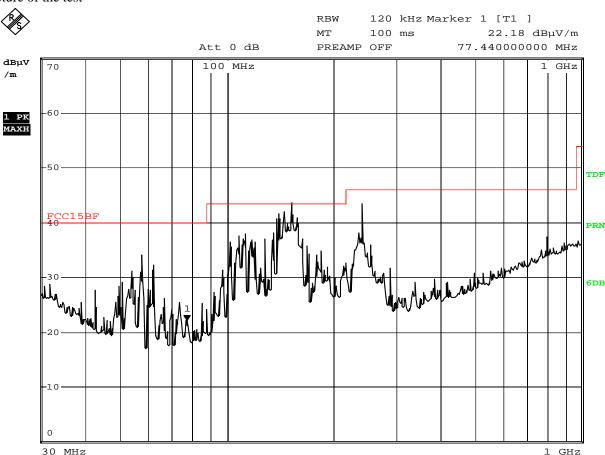
EUT set Condition: Connect to PC

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:57:08

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
57.480	34.05	Н	40.00
107.920	37.61	Н	43.50
152.400	37.70	Н	43.50
240.000	43.47	Н	46.00

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X: Radiated Disturbance In Vertical (30MHz----1000MHz)

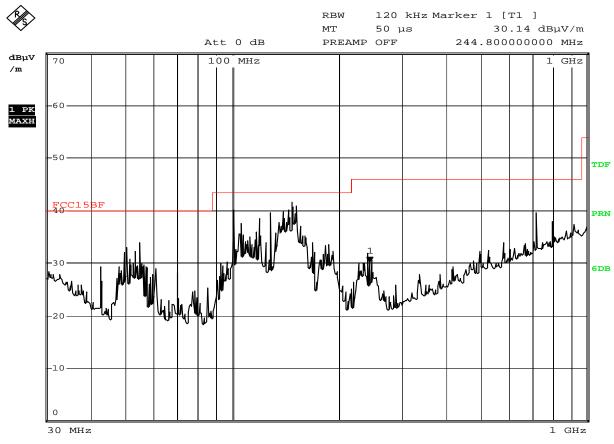
EUT set Condition: Connect to PC

Adaptor used for test Model: ZDA050200US (Made by E-TEK)

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Date: 31.JUL.2009 09:48:25

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
54.920	33.85	V	40.00
105.880	37.58	V	43.50
128.160	38.80	V	43.50
147.840	35.40	V	43.50
151.920	35.30	V	43.50

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

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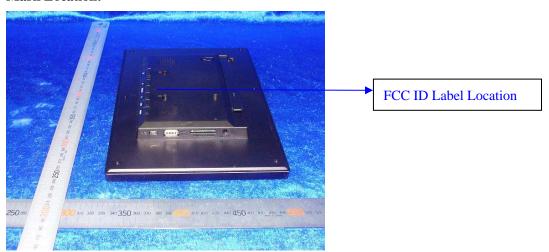
6.0 FCC ID Label

FCC ID: V37-6222HSD10W

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:





7.0 Photo of testing

7.1 Conducted test View--



7.2 Radiated emission test view--



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7.3 Photo for the EUT





Back View



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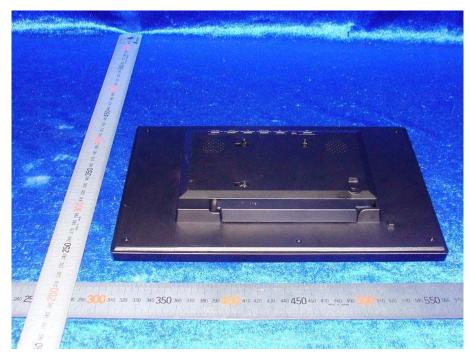
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-End of the report-