







Report No: FCC 0904222 File reference No: 2009-05-11

Applicant: WIN ACCORD LTD.

Product: Digital Photo Frame

Brand Name: N/A

Model No: DF15601-05-XXX (X=A-Z,0-9,a-z)

Test Standards: FCC Part 15 Subpart B: 2008

It is herewith confirmed and found to comply with the requirements Test result:

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

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: May 11, 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.

> Fax (755) 83442996 Tel (755) 83448688

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Date: 2009-05-11



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.

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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: DF15601-05-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) The adapter Model No.: ADS-18C-12N 12018GPCU (Made by HONOR)

Remark: --

Rating: Input: DC 12V, 2A

1.4 Submitted Sample(s): 1 Sample

1.5 Test Duration: 2009-04-28 to 2009-05-11

1.6 Test Uncertainty

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

1.7 Test Engineer

The sample tested by

Print Name: Terry Tang

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

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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

Name	Model No.	Serial No.	Manufacturer	Cable	FCC ID/DOC
				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
				Data cable of	
				2m length	
				unshielded	
				and 1.8m length	
Printer	LaserJet 1022	CNBG591GM7	HP	AC Mains cable	DOC
Monitor	FP51G	ET47604175CLO	BENQ	Data cable of	FCC DOC

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				Data cable of	
				2m length	
				unshielded	
				and 1.8m length	
Printer	LaserJet 1022	CNBG591GM7	HP	AC Mains cable	DOC
				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	
PC	8434	 IBM	AC Mains cable	FCC DOC
			Data cable of	
Mouse	M-F105	 S.SElectron	1.5m length	FCC DOC

3.0 Technical Details

3.1 Investigations Requested

Perform Electromagnetic Interference [EMI] tests for FCC Requirement.

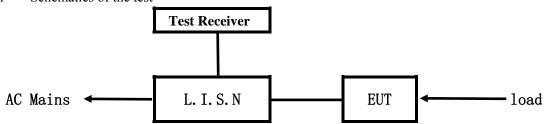
3.2 Test Standards

FCC Part 15 Subpart B: 2008



4.0 Conducted Power line Test

4.1 Schematics of the test



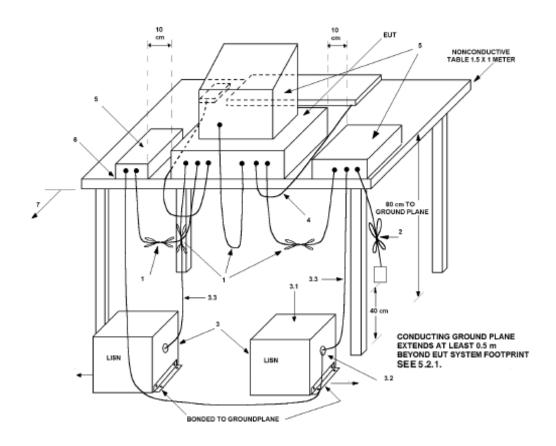
EUT: Equipment Under Test

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



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4.3 Power line conducted Emission Limit

Fraguanay(MHz)	Class A Limits dB(μV)		Class B Lin	nits dB(μV)
Frequency(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
$5.00 \sim 30.00$	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.



A: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

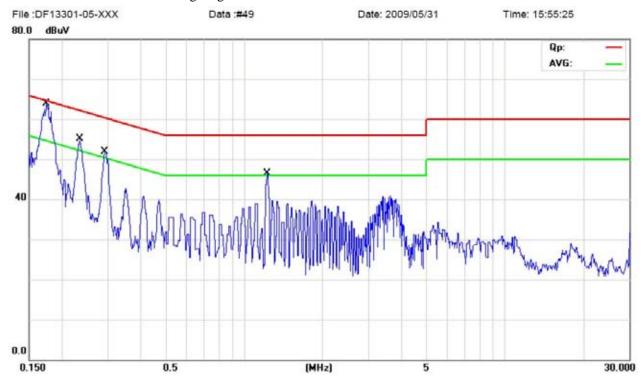
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Play USB Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.176	Live	63.83	54.23	64.65	54.65
0.234	Live	52.09	39.19	62.30	52.30
0.292	Live	49.85	46.75	60.47	50.47
1.228	Live	30.99	22.69	56.00	46.00

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



B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Play USB Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

File :DF13301-05-XXX Data :#47 Date: 2009/05/31 Time: 15:49:05

80.0 dBuV

Qp:
AV6:

0.0
0.150 0.5 (MHz) 5 30.000

Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.178	Neutral	60.93	52.33	64.55	54.55
0.231	Neutral	46.99	34.79	62.39	52.39
0.295	Neutral	46.55	44.05	60.38	50.38
1.238	Neutral	43.30	42.00	56.00	46.00

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



C: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

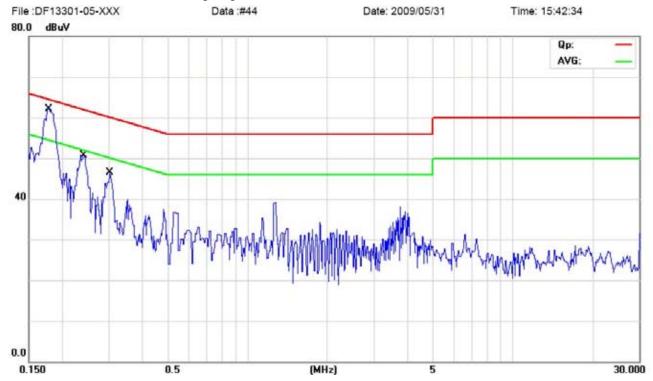
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Memory Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line -	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.178	Live	61.23	52.93	64.58	54.58
0.241	Live	49.10	35.30	62.05	52.05
0.303	Live	43.96	41.26	60.16	50.16



D: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

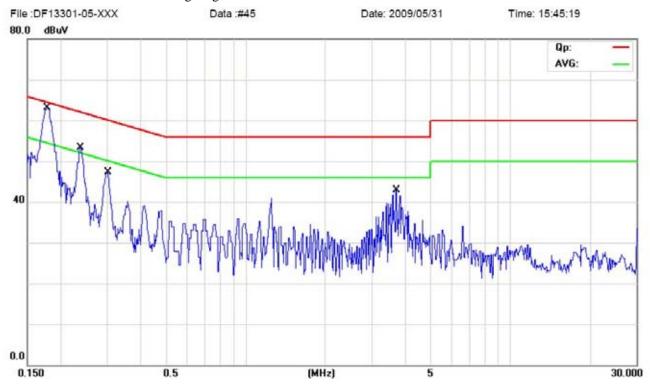
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Memory Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.178	Neutral	61.73	53.43	64.58	54.58
0.237	Neutral	50.39	37.19	62.18	52.18
0.301	Neutral	44.16	40.66	60.20	50.20
3.687	Neutral	25.78	14.78	56.00	46.00

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



E: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

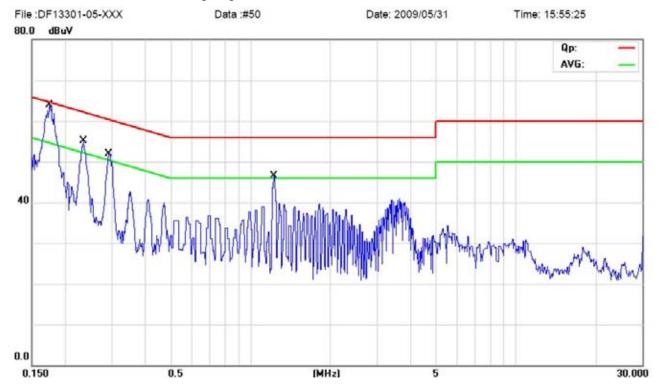
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Play SD Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.176	Live	63.83	54.23	64.65	54.65
0.234	Live	52.09	39.19	62.30	52.30
0.292	Live	49.85	46.75	60.47	50.47
1.228	Live	30.99	22.69	56.00	46.00

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



F: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Play SD Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

File :DF13301-05-XXX Data :#51 Date: 2009/05/31 Time: 15:59:33

80.0 dBuV

Qp:
AVG:

0.0

0.150 0.5 (MHz) 5 30.000

Frequency	Line	$Reading(dB\mu V)$		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.177	Neutral	62.83	53.73	64.62	54.62
0.231	Neutral	51.59	38.69	62.38	52.38
0.293	Neutral	50.65	47.05	60.44	50.44
1.229	Neutral	46.89	44.69	56.00	46.00
3.527	Neutral	38.21	25.41	56.00	46.00

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



G: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

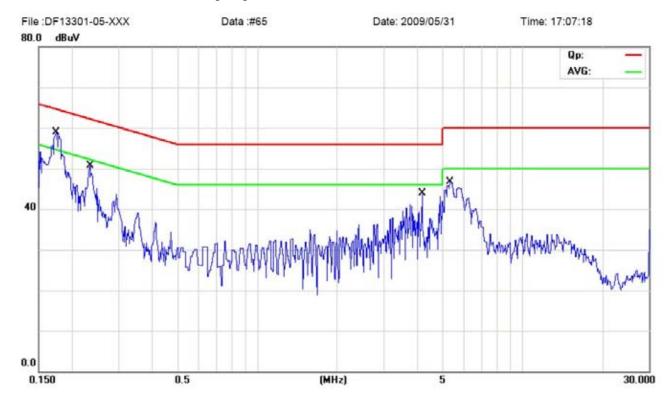
AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Connect to PC

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	requency Line Reading(dBμV)		$Limit(dB\mu V)$		
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.176	Live	58.43	33.93	64.64	54.64
0.234	Live	48.69	29.99	62.30	52.30
4.180	Live	35.07	31.67	56.00	46.00
5.368	Live	16.45	9.35	60.00	50.00

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



H: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Connect to PC

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

Frequency	quency Line Reading(dBµV)		Limit(dBµV)		
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.178	Neutral	56.43	30.33	64.56	54.56
0.238	Neutral	47.39	28.89	62.18	52.18
5.235	Neutral	42.80	39.90	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 (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Play CF Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

File :DF13301-05-XXX Data :#53 Date: 2009/05/31 Time: 16:11:01

80.0 dBuV

Qp:
AV6:

0.0
0.150 0.5 (MHz) 5 30.000

Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.175	Live	64.33	54.03	64.69	54.69
0.233	Live	52.99	40.59	62.32	52.32
0.292	Live	52.05	48.25	60.46	50.46
1.226	Live	46.09	42.19	56.00	46.00
3.557	Live	23.22	15.42	56.00	46.00

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

H: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: ADS-18C12N 12018GPCG(Made by HONOR)

EUT set Condition: Play CF Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.174	Neutral	64.03	54.13	64.75	54.75
0.231	Neutral	51.89	39.39	62.40	52.40
0.293	Neutral	51.45	47.25	60.42	50.42
1.227	Neutral	46.39	45.89	56.00	46.00
3.532	Neutral	29.91	22.81	56.00	46.00

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



I: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Connect to PC

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

File :DF13301-05-XXX Data :#62 Date: 2009/05/31 Time: 16:54:55

80.0 dBuV

40

0.0

0.150 0.5 (MHz) 5 30.000

Frequency	Line	Reading(dBμV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.586	Live	48.76	30.56	56.00	46.00
1.695	Live	47.58	34.28	56.00	46.00
2.087	Live	48.54	34.74	56.00	46.00
4.051	Live	48.42	37.02	56.00	46.00
11.691	Live	46.77	37.37	60.00	50.00
20.768	Live	42.55	35.02	60.00	50.00

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



J: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

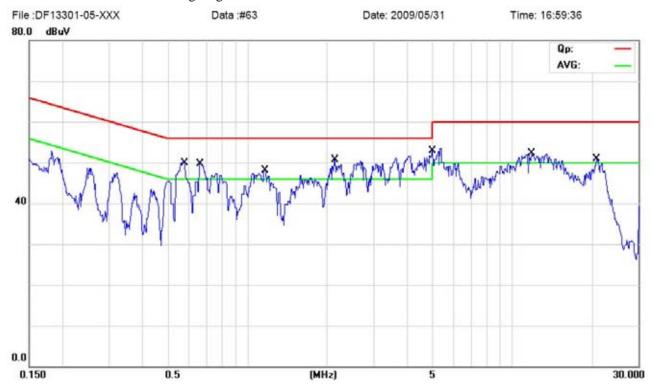
AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Connect to PC

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.583	Neutral	51.46	35.66	56.00	46.00
0.662	Neutral	34.14	24.94	56.00	46.00
1.165	Neutral	45.77	34.37	56.00	46.00
2.143	Neutral	46.06	31.66	56.00	46.00
4.989	Neutral	53.80	4130	56.00	46.00
11.802	Neutral	47.26	38.66	60.00	50.00
20.731	Neutral	43.04		6000	

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



K: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Memory Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

File :DF13301-05-XXX Data :#54 Date: 2009/05/31 Time: 16:18:46

80.0 dBuV

Qp:
AVG:

0.0
0.150 0.5 (MHz) 5 30.000

Frequency	Line	Reading($dB\mu V$)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.185	Live	54.04	43.74	64.26	54.26
0.248	Live	49.00	41.90	61.81	51.81
0.308	Live	46.77	37.37	60.02	50.02
0.553	Live	43.23	27.03	56.00	46.00
1.229	Live	46.09	42.19	56.00	46.00
24.282	Live	40.56	31.16	60.00	50.00

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



L: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Memory Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

File :DF13301-05-XXX Data :#55 Date: 2009/05/31 Time: 16:25:53

80.0 dBuV

40

0.0

0.150 0.5 (MHz) 5 30.000

Frequency	Line	Reading(dBμV)	Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.184	Neutral	49.14	39.94	64.29	54.29
0.579	Neutral	47.05	36.25	56.00	46.00
1.216	Neutral	38.09	26.19	56.00	46.00
10.715	Neutral	44.89	35.99	60.00	50.00
22.282	Neutral	47.44	38.84	60.00	50.00

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



M: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play SD Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.184	Live	51.94	43.14	64.30	54.30
0.250	Live	48.51	43.51	61.73	51.73
0.574	Live	45.05	34.55	56.00	46.00
1.224	Live	46.59	42.89	56.00	46.00
10.637	Live	42.69	33.69	60.00	50.00
21.575	Live	44.89	35.59	60.00	50.00

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



N: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play SD Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual

File :DF13301-05-XXX Data :#56 Date: 2009/05/31 Time: 16:29:33

80.0 dBuV

Qp:
AVG:

0.0
0.150 0.5 (MHz) 5 30.000

Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.585	Neutral	45.86	31.26	56.00	46.00
0.666	Neutral	32.85		56.00	
0.666	Neutral	32.85	20.55	56.00	46.00
1.215	Neutral	39.69	26.59	56.00	46.00
10.425	Neutral	45.69	36.59	60.00	50.00
22.029	Neutral	47.12	39.12	60.00	50.00

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



O: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

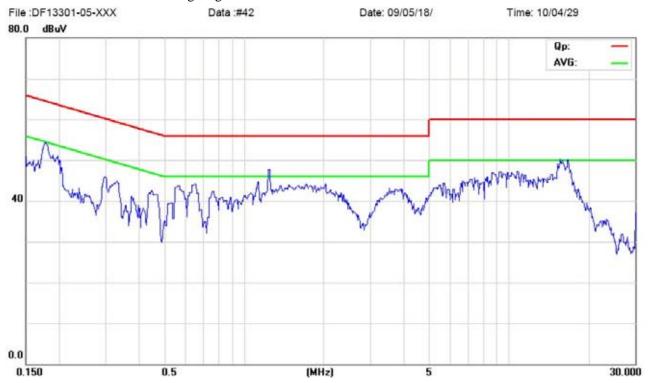
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play USB Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	cy Line	Reading(Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average	
-	Live	-	-	-	-	
-	Live	-	-	-	-	

⁻The test data shows much less than the limit, no necessary to take down the records.



P: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

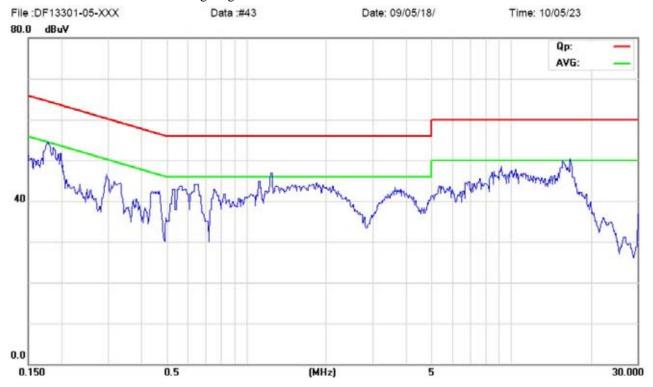
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play USB Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	$Reading(dB\mu V)$		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
-	Neutral	-	-	-	-
-	Neutral	-	-	1	-

⁻The test data shows much less than the limit, no necessary to take down the records.



Q: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play CF Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.187	Live	52.24	47.14	64.17	54.17
0.575	Live	45.35	35.05	56.00	46.00
1.215	Live	41.79	30.19	56.00	46.00
12.169	Live	42.96	34.06	60.00	50.00
20.924	Live	45.66	36.76	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 (150kHz to 30MHz)

EUT Operating Environment

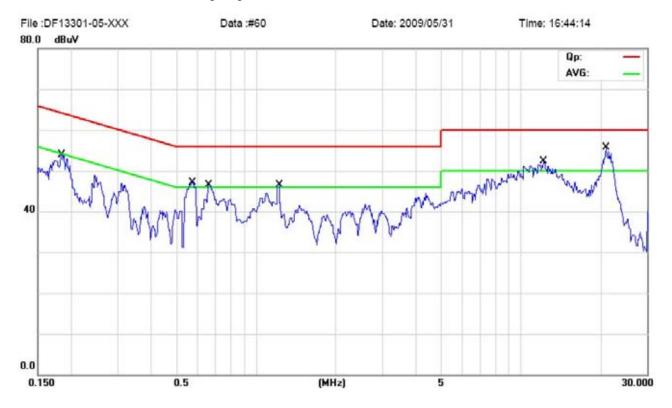
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play CF Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.184	Neutral	48.94	39.34	64.30	54.30
0.575	Neutral	46.05	35.65	56.00	46.00
0.663	Neutral	29.44	20.14	56.00	46.00
1.217	Neutral	42.39	39.39	56.00	46.00
12.225	Neutral	45.56	37.66	60.00	50.00
20.963	Neutral	47.26	38.56	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 (150kHz to 30MHz)

EUT Operating Environment

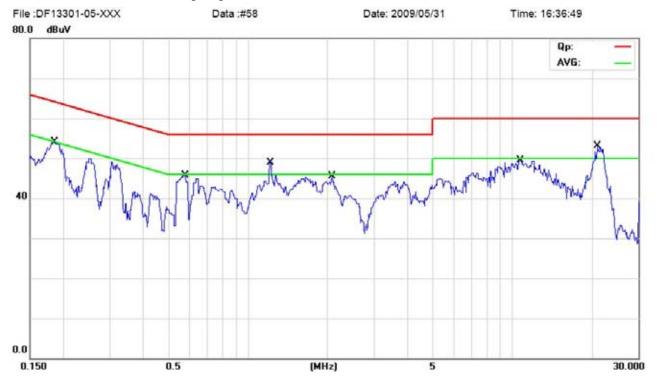
Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play USB Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBμV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.185	Live	52.04	43.74	64.26	54.26
0.576	Live	45.15	34.85	56.00	46.00
1.223	Live	46.09	42.89	56.00	46.00
2.085	Live	42.03	29.43	56.00	46.00
10.702	Live	43.49	33.39	60.00	50.00
20.921	Live	44.46	35.76	60.00	50.00

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



T: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

AC Adapter: XKD-C1500IC12.0-18C-US(Made by MOSO)

EUT set Condition: Play USB Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.184	Neutral	48.84	39.74	64.30	54.30
0.585	Neutral	47.36	34.66	56.00	46.00
0.665	Neutral	28.85	20.05	56.00	46.00
1.214	Neutral	38.39	25.59	56.00	46.00
11.336	Neutral	45.77	36.37	60.00	50.00
22.036	Neutral	45.12	38.32	60.00	50.00

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

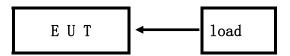
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Report No: 0904222 Date: 2009-05-11



5.0 Radiated Disturbance Test

5.1 Schematics of the test

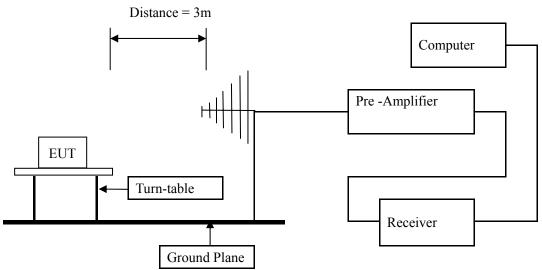


5.2 Test Method and test Procedure:

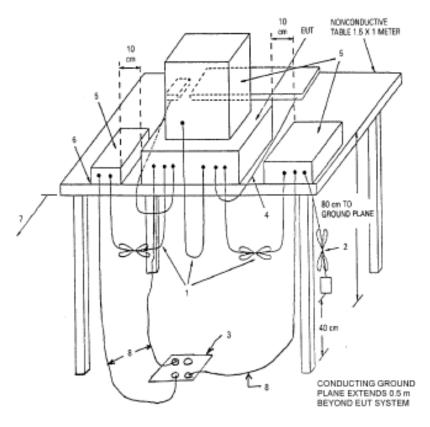
The EUT was tested according to ANSI C63.4 –2003, The frequency spectrum from 30MHz to 1GHz was investigated. All reading from 30MHz to 1GHz are quasi-peak 0values with a resolution bandwidth of 120KHz. All readings are above 1GHz, peak values with a resolution bandwidth of 1MHz. Measurements were made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

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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

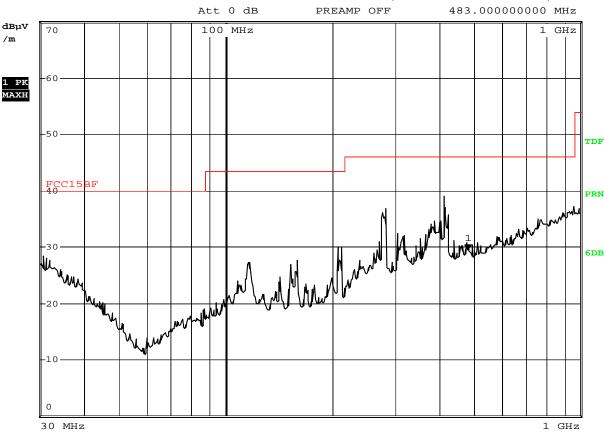
Please refer to following diagram for individual

Picture of the test

%

RBW 120 kHz Marker 1 [T1]

MT 50 μs 29.55 $dB\mu V/m$



Comment: V

Date: 6.MAY.2009 21:07:21

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
283.440	36.86	Н	46.00
414.280	39.05	Н	46.00

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

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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**

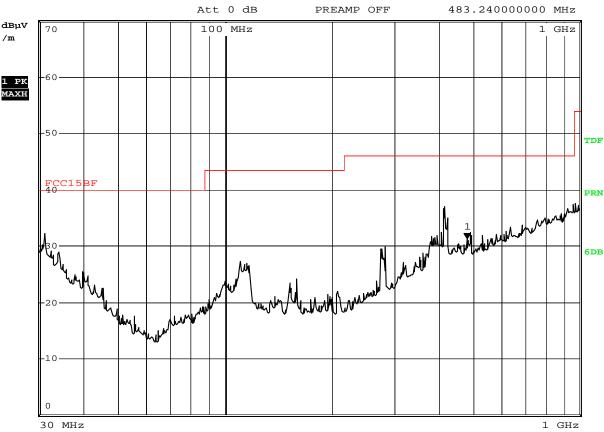
Please refer to following diagram for individual

Picture of the test

RBW 120 kHz Marker 1 [T1]

 $31.30 \text{ dB}\mu\text{V/m}$ МТ 50 µs

PREAMP OFF



Comment: V

Date: 6.MAY.2009 21:05:19

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
283.400	29.89	V	46.00
415.960	37.01	V	46.00

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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**

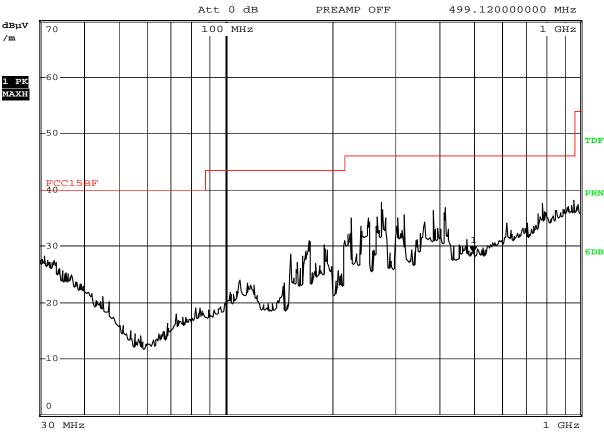
Please refer to following diagram for individual

Picture of the test

RBW 120 kHz Marker 1 [T1]

29.01 dBμV/m МТ 50 µs

PREAMP OFF



Comment: V

Date: 6.MAY.2009 20:48:45

	Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBµV/m)
Ī	226.080	34.96	Н	43.50
Ī	276.080	37.82	Н	46.00

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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

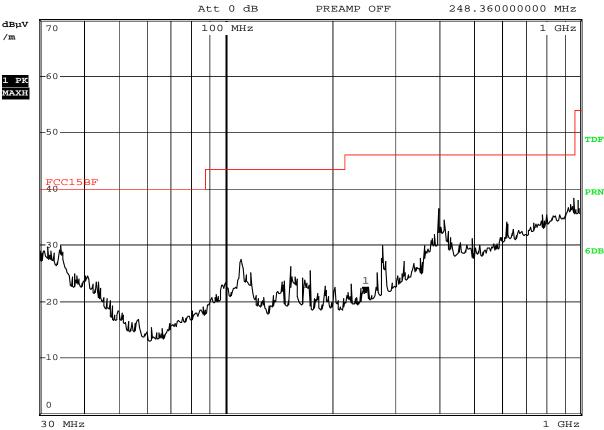
Please refer to following diagram for individual

Picture of the test

PS>

RBW 120 kHz Marker 1 [T1]

MT 50 μs 21.55 $dB\mu V/m$



Comment: V

Date: 6.MAY.2009 20:50:25

Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBµV/m)
398.960	36.44	V	46.00

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

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

EUT set Condition: Play CF

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

Level: Class B
Results: PASS

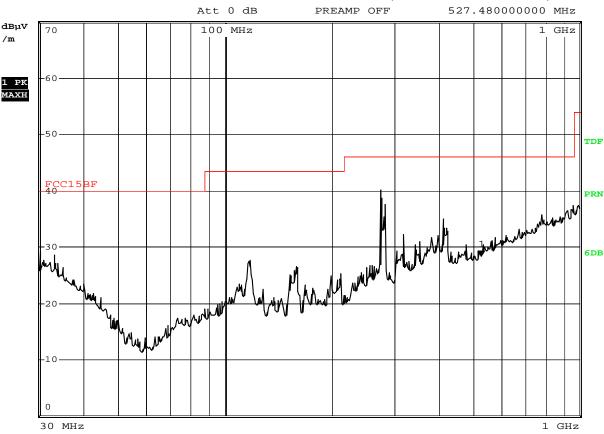
Please refer to following diagram for individual

Picture of the test

%

RBW 120 kHz Marker 1 [T1]

MT 50 μs 28.44 dBμV/m



Comment: V

Date: 6.MAY.2009 20:57:12

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
276.080	40.20	Н	46.00

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

EUT set Condition: Play CF

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

Level: Class B
Results: PASS

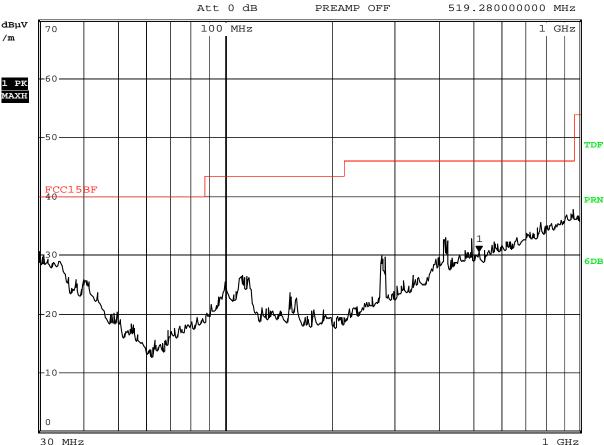
Please refer to following diagram for individual

Picture of the test

%

RBW 120 kHz Marker 1 [T1]

MT 50 μs 30.62 $dB\mu V/m$



Comment: V

Date: 6.MAY.2009 20:55:18

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
418.840	33.04	V	46.00

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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**

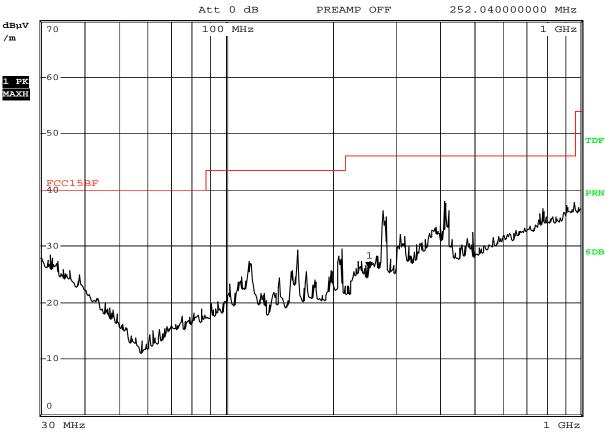
Please refer to following diagram for individual

Picture of the test

RBW 120 kHz Marker 1 [T1]

26.23 dBμV/m МТ 50 µs

PREAMP OFF



Comment: V

Date: 6.MAY.2009 21:00:05

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
276.280	36.36	Н	46.00
414.240	37.95	Н	46.00

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H: 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

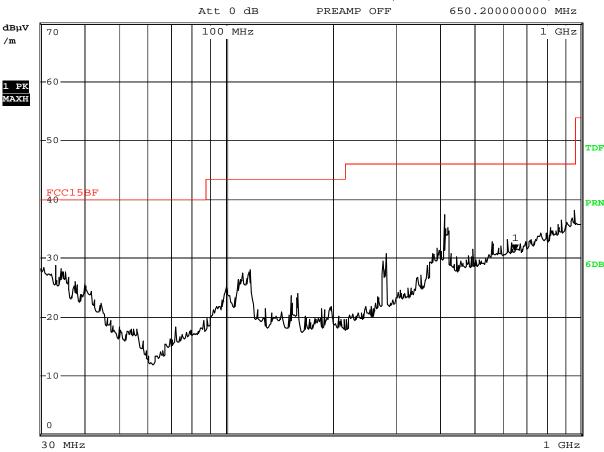
Please refer to following diagram for individual

Picture of the test

%

RBW 120 kHz Marker 1 [T1]

MT 50 μs 31.25 $dB\mu V/m$



Comment: V

Date: 6.MAY.2009 21:01:44

Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBµV/m)
414.240	37.41	V	46.00

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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

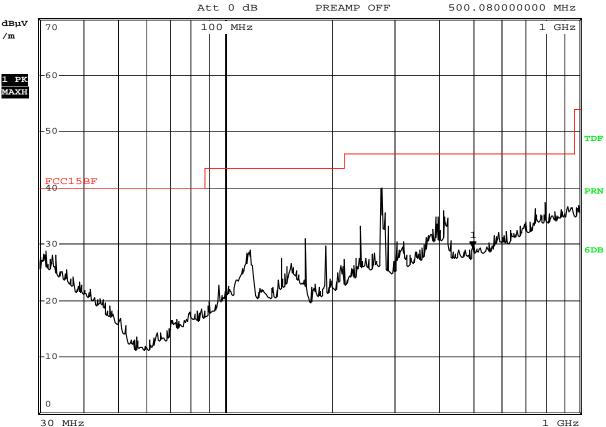


RBW 120 kHz Marker 1 [T1]

29.46 dBμV/m мт 50 µs

500.080000000 MHz PREAMP OFF





Comment: V

Date: 6.MAY.2009 20:45:37

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m (dBµV/m)
276.080	39.75	Н	46.00
414.040	35.86	Н	46.00

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

EUT set Condition: Connect to PC

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

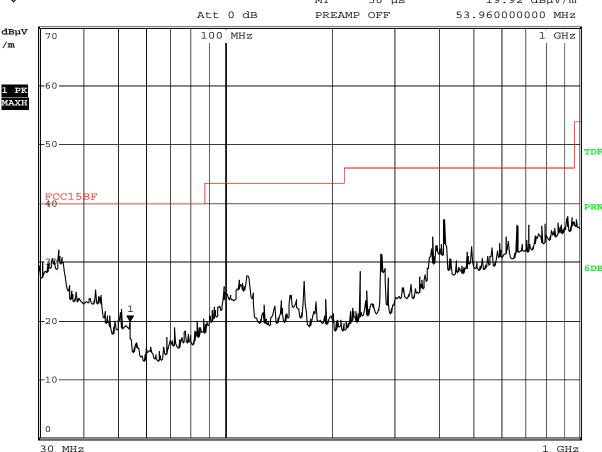
Level: Class B **Results: PASS**

Please refer to following diagram for individual

Picture of the test

RBW 120 kHz Marker 1 [T1]

50 µs 19.92 dBµV/m МТ



Comment: V

Date: 6.MAY.2009 20:43:37

Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBµV/m)
417.520	37.18	V	46.00

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K 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

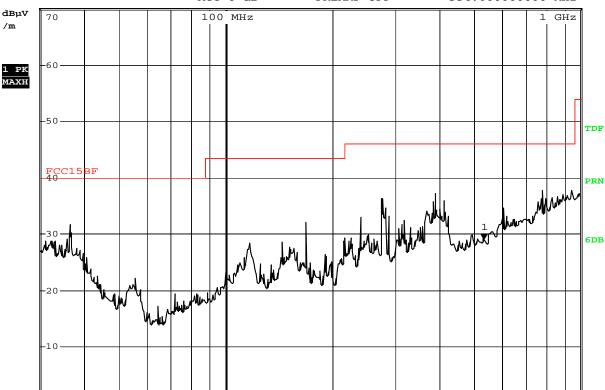
Picture of the test



RBW 120 kHz Marker 1 [T1]

29.09 dBµV/m МТ 50 µs

Att 0 dB 534.600000000 MHz PREAMP OFF



Comment: V

30 MHz

Date: 6.MAY.2009 20:37:13

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
275.880	36.75	Н	46.00
390.080	37.20	Н	46.00

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L 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

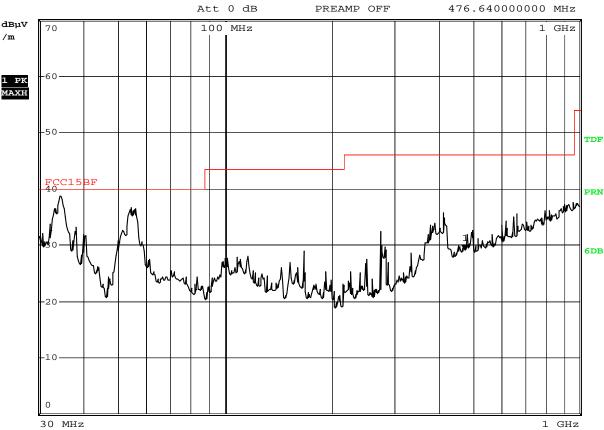
Please refer to following diagram for individual

Picture of the test

\$

RBW 120 kHz Marker 1 [T1]

MT 50 μs 29.13 $dB\mu V/m$



Comment: V

Date: 6.MAY.2009 20:39:44

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
34.480	34.50	V	46.00
54.080	36.21	V	46.00

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

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

EUT set Condition: Memory

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

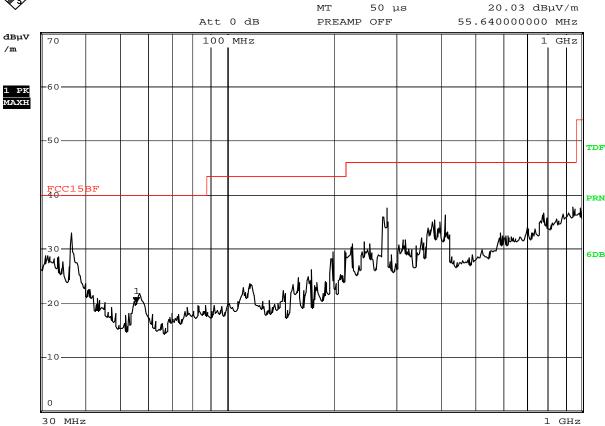
Level: Class B **Results: PASS**

Please refer to following diagram for individual

Picture of the test

RBW 120 kHz Marker 1 [T1]

50 µs 20.03 dBµV/m



Comment: V

6.MAY.2009 20:32:56 Date:

I	Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
I	36.520	32.94	Н	40.00
Ī	283.720	37.64	Н	46.00
	413.840	36.25	Н	46.00

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N 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

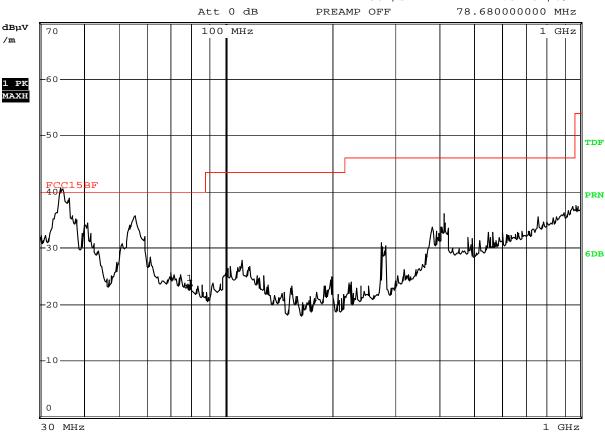
Please refer to following diagram for individual

Picture of the test

P

RBW 120 kHz Marker 1 [T1]

MT 50 μs 22.57 $dB\mu V/m$



Comment: V

Date: 6.MAY.2009 20:31:05

Ĭ	Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBµV/m)
	34.120	36.70	V	40.00
	55.560	35.76	V	40.00

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

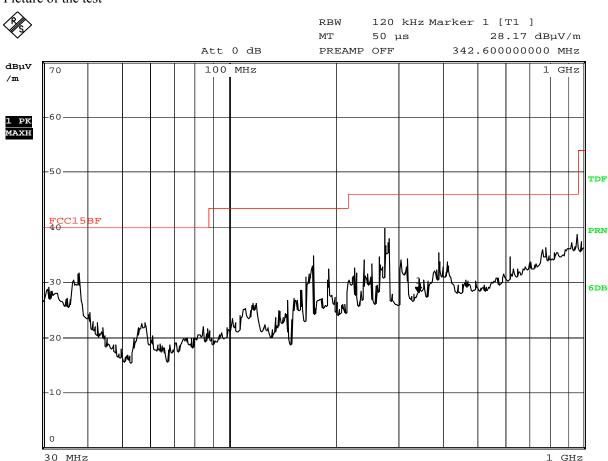
EUT set Condition: Play SD

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



Comment: V

Date: 6.MAY.2009 20:25:55

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	Limit@3m (dBµV/m)
172.760	34.86	Н	46.00
275.920	39.69	Н	46.00

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

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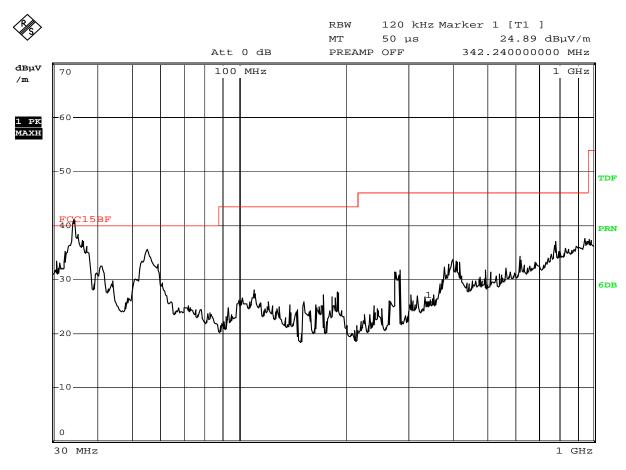
EUT set Condition: Play SD

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



Comment: V

Date: 6.MAY.2009 20:27:24

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
34.280	36.60	V	40.00
55.120	35.48	V	40.00

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

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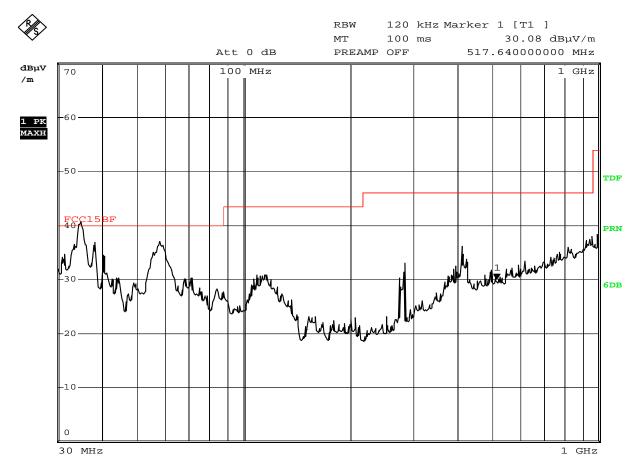
EUT set Condition: Play USB

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



Comment: V

Date: 6.MAY.2009 20:13:56

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	$Limit@3m (dB\mu V/m)$
35.960	31.16	Н	40.00
115.840	30.20	Н	43.50
284.680	35.00	Н	46.00

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

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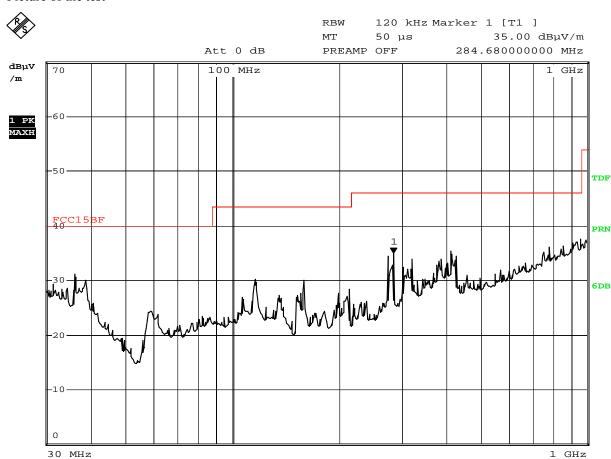
EUT set Condition: Play USB

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



Comment: V

Date: 6.MAY.2009 20:10:42

Frequency (MHz)	Level@3m ($dB\mu V/m$)	Antenna Polarity	$Limit@3m (dB\mu V/m)$
34.840	36.40	V	40.00
58.080	37.07	V	40.00
413.560	36.12	V	46.00

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

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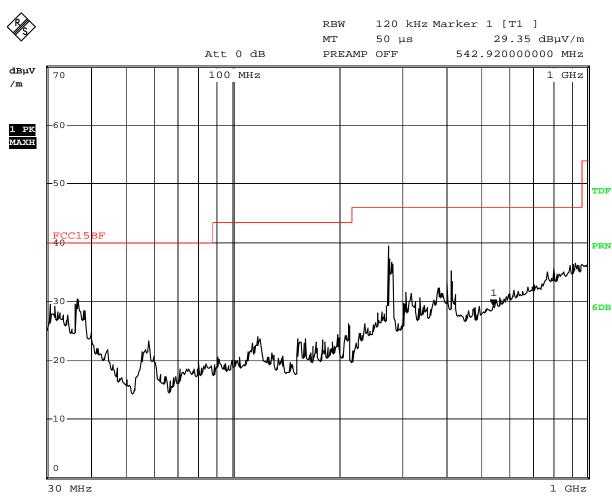
EUT set Condition: Play CF

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



Comment: V

Date: 6.MAY.2009 20:20:47

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
275.920	39.38	Н	46.00

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

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EUT set Condition: Play CF

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

Level: Class B
Results: PASS

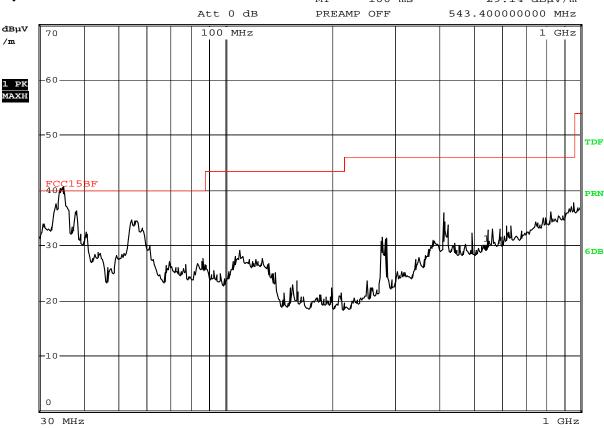
Please refer to following diagram for individual

Picture of the test

PS>

RBW 120 kHz Marker 1 [T1]

MT 100 ms 29.14 dB μ V/m



Comment: V

Date: 6.MAY.2009 20:20:05

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dBµV/m)
35.080	35.90	V	46.00
54.520	34.67	V	46.00
413.840	36.01	V	46.00

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6.0 FCC ID Label

FCC ID: V37-6226-156

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:

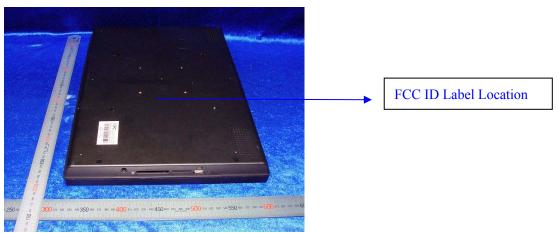




Photo of testing

7.1 Conducted test View—

Connect to PC



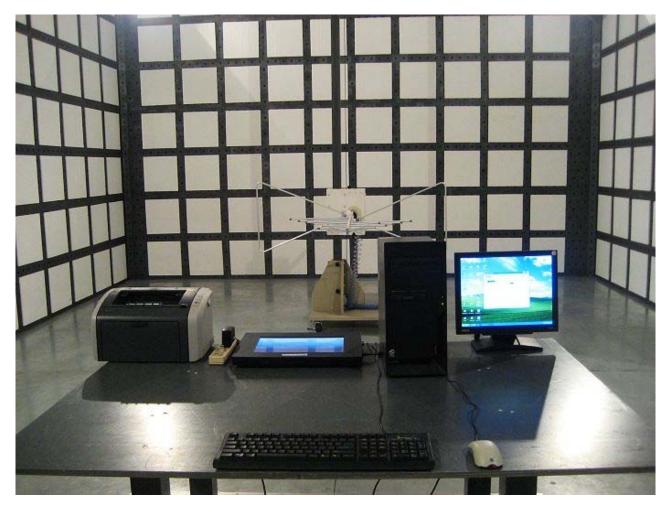
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7.2 Radiated emission test view--





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7.3 Photo for the EUT



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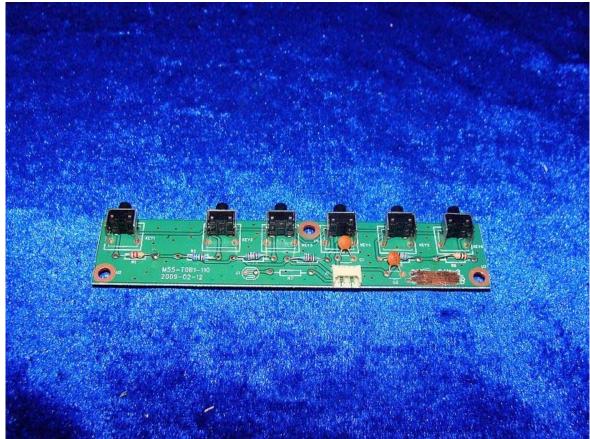
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Report No: 0904222 Date: 2009-05-11





-End of the report-