







ISO/IEC17025 Accredited Lab.

Report No: FCC 0904026 File reference No: 2009-04-07

Applicant: WIN ACCORD LTD.

Product: Digital Photo Frame

Brand Name: N/A

Model No: DF70, DF-L3X, PAN3502W02, CDPF035DW (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

Jack Chung

Jack Chung

Manager

Dated: April 07, 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: 2009-04-07



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: DF70

Additional Model Number: DF-L3X, PAN3502W02, CDPF035DW (X:A-Z, a-z, 0-9)

Rating: Input: DC 5V, Current 2A

Remark: Just model names and appearance color are different.

Rating: Output: 5V, 0.5A

1.4 Submitted Sample(s): 2 Samples

1.5 Test Duration: 2009-004-03 to 2009-04-07

1.6 Test Uncertainty

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

1.7 Test Engineer

The sample tested by

Print Name: Brown Lu

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	BOISB-027-00	CNFG029476	EPSON	AC Mains cable	DOC
				Data cable of	
				1.5m length	
				unshielded and	
				1.8m length AC	
Monitor	6331-4CN	23-DNWX3	IBM	Mains cable	FCC ID

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FCC DOC

Data cable of

1.5m length

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		1.8m length	
	IBM	AC Mains cable	FCC DOC

BIGCOW

3.0 **Technical Details**

PC

Mouse

3.1 Investigations Requested

8434

OM860XC

Perform Electromagnetic Interference [EMI] tests for FCC Requirement.

HM0509

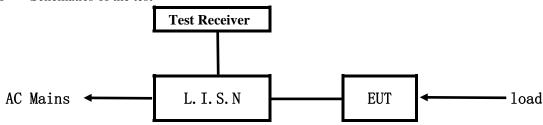
3.2 **Test Standards**

FCC Part 15 Subpart B: 2008



4.0 Conducted Power line Test

4.1 Schematics of the test



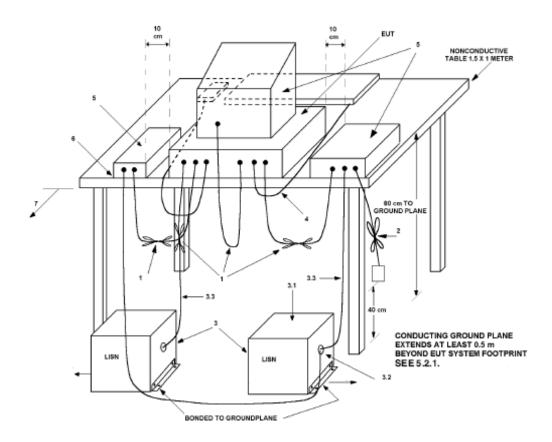
EUT: Equipment Under Test

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.

Actual working voltage and frequency: 120~, 60Hz

Block diagram of Test setup



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4.3 Power line conducted Emission Limit

Fragueray (MHz)	Class A Li	mits dB(μV)	Class B Limits $dB(\mu V)$		
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 ~ 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.

30.000

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0.150



EUT set Condition: Play SD

Level: Class B

Results: Pass

Please refer to following diagram for individual

Emaguanay		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dB µ V)	
(MITZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.253			43.69	23.48	60.66	50.66
0.426			41.73	21.19	57.31	47.32
1.121			38.65	29.31	56.00	46.00

(MHz)

5



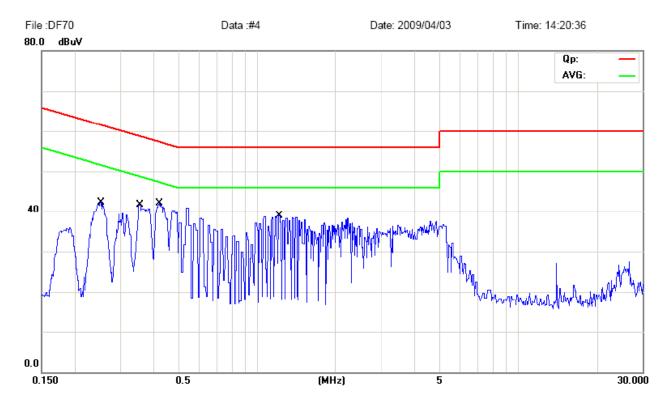
Conducted Emission on Live Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Play SD

Level: Class B

Results: Pass

Please refer to following diagram for individual



Engguenav		Reading	Limit			
Frequency (MHz)	Live		Neutral		(dB µ V)	
(MHZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.252	43.00	36.60			61.67	51.67
0.354	41.60	34.70			58.87	48.87
0.422	42.08	36.60			57.40	47.40
1.206	39.24	28.27			56.00	46.00

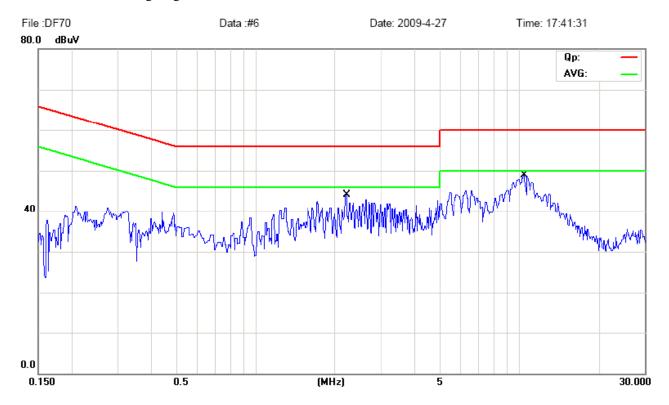


Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Connect to PC

Level: Class B
Results: Pass

Please refer to following diagram for individual



Eraguanav		Reading	Limi	t		
Frequency (MHz)	Live		Neutral		(dB µ V)	
	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
2.201			44.68	39.01	56.00	46.00
10.397			49.76	39.86	60.00	50.00

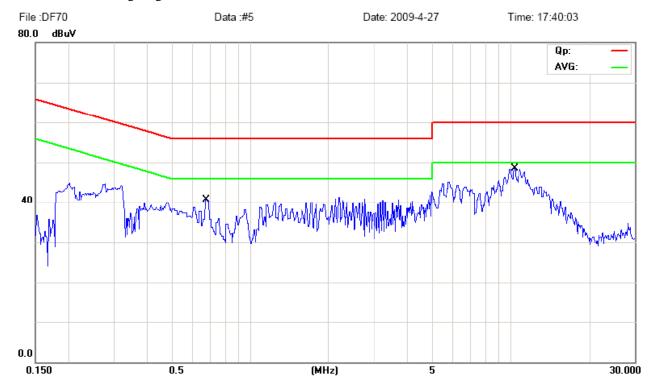


Conducted Emission on Live Terminal of the power line (150kHz to 30MHz)

EUT set Condition: Connect to PC

Level: Class B
Results: Pass

Please refer to following diagram for individual



Eraguanav		Reading	Limi	t		
Frequency (MHz)	Live		Neutral		(dB µ V)	
(WITIZ)	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
0.677	37.20	32.43			56.00	46.00
10.321	50.29	38.74			60.00	50.00

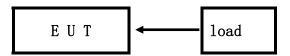
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5.0 Radiated Disturbance Test

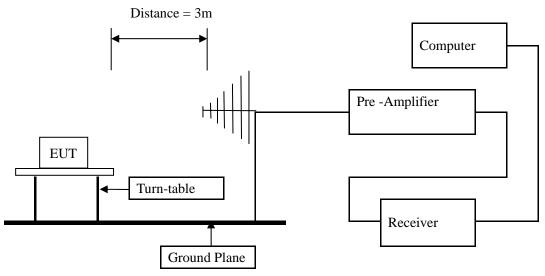
5.1 Schematics of the test



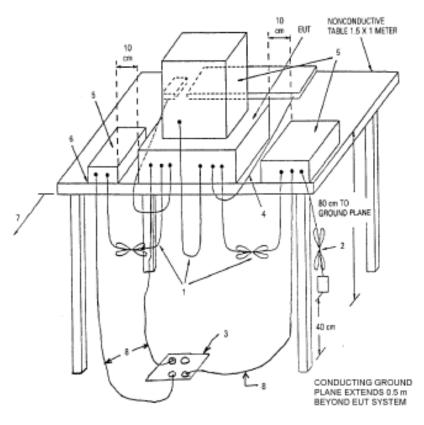
5.2 Test Method and test Procedure:

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.

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.

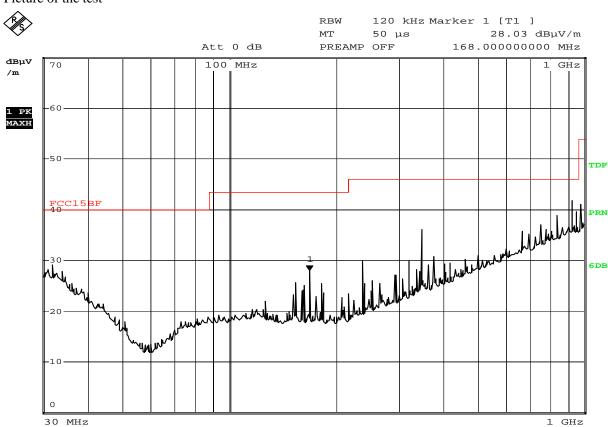


EUT set Condition: Play SD

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Comment: V

Date: 3.APR.2009 15:14:39

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
168.00	29.30	Н	43.50
350.04	36.91	Н	46.00
924.12	41.83	Н	46.00

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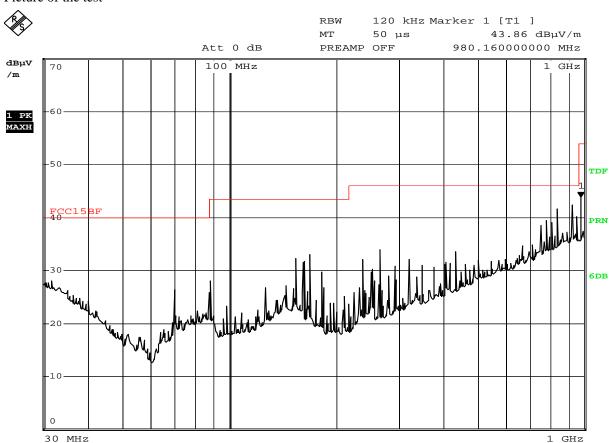
B: Radiated Disturbance In Vertical (30MHz --- 1000MHz)

EUT set Condition: Play SD

Level: Class B
Results: PASS

Please refer to following diagram for individual

Picture of the test



Comment: V

Date: 3.APR.2009 15:09:24

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m ($dB\mu V/m$)
168.04	33.91	V	43.50
740.12	40.64	V	46.00
924.16	42.23	V	46.00
980.16	43.86	V	46.00

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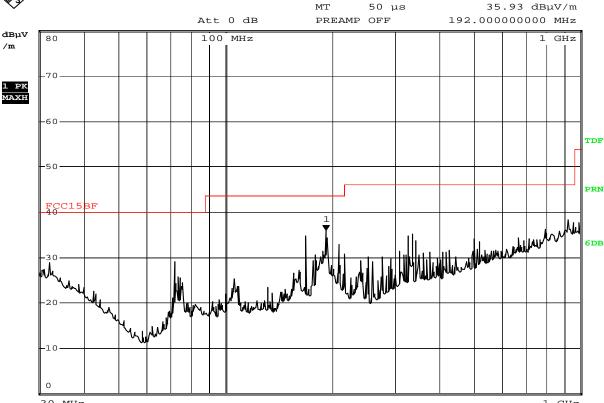
EUT set Condition: Connect to PC

Level: Class B **Results: PASS**

Please refer to following diagram for individual

Picture of the test





Comment: H

27.APR.2009 17:59:14 Date:

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
168.04	37.73	Н	43.50
192.00	35.94	Н	46.00

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

EUT set Condition: Connect to PC

Level: Class B **Results: PASS**

Please refer to following diagram for individual

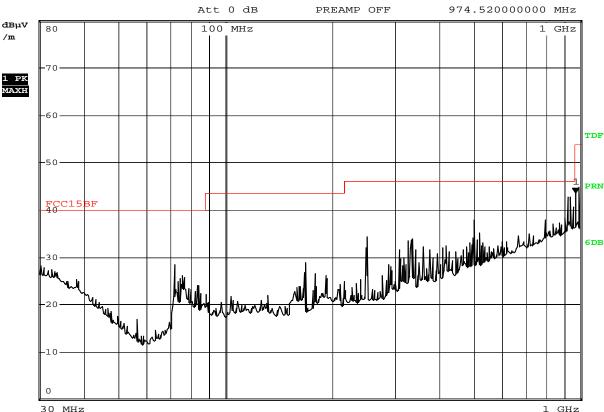
Picture of the test



120 kHz Marker 1 [T1] RBW МТ 100 ms 43.53 dBµV/m

/m





Comment: H

27.APR.2009 17:58:14 Date:

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
250.09	34.35	V	46.00
940.92	42.68	V	46.00
974.52	43.52	V	46.00

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6.0 FCC ID Label

FCC ID: V37-6210-35LG

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:

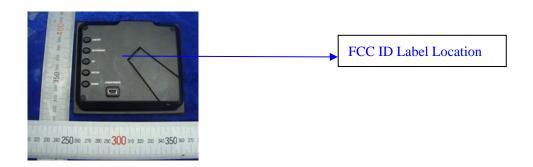




Photo of testing

Conducted test View—

Connect to PC



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7.2 Radiated emission test view--

Connect to PC

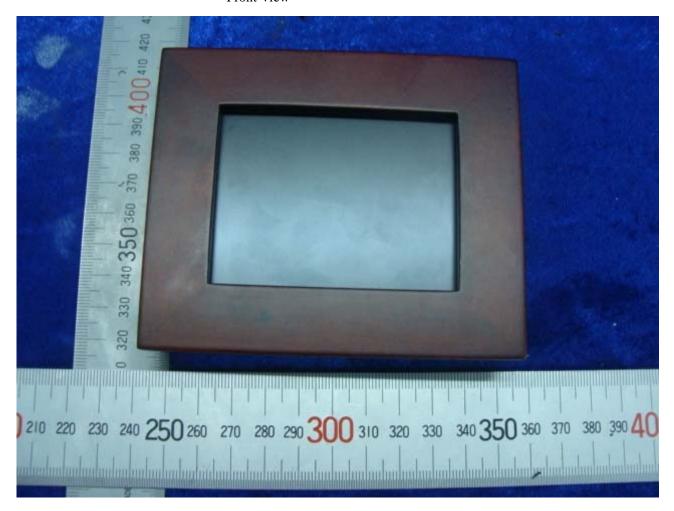


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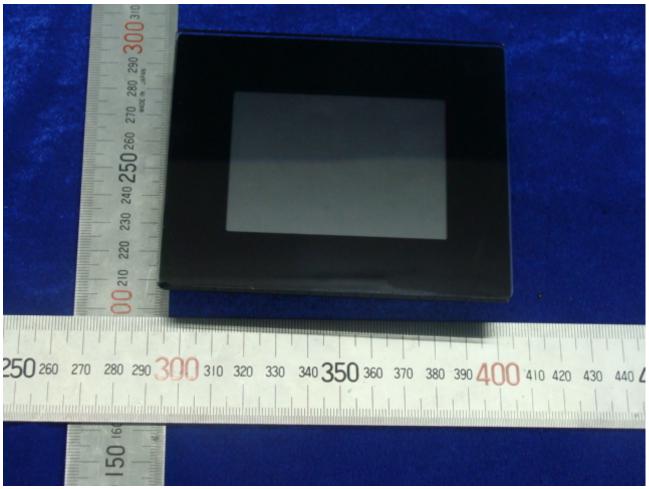


7.3 Photo for the EUT



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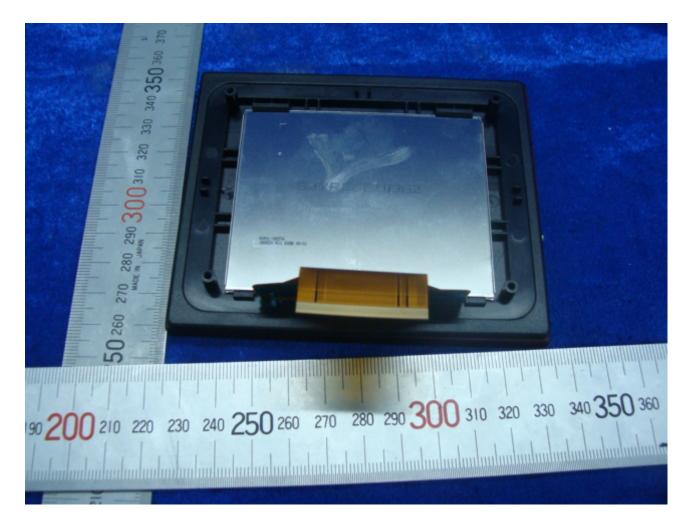
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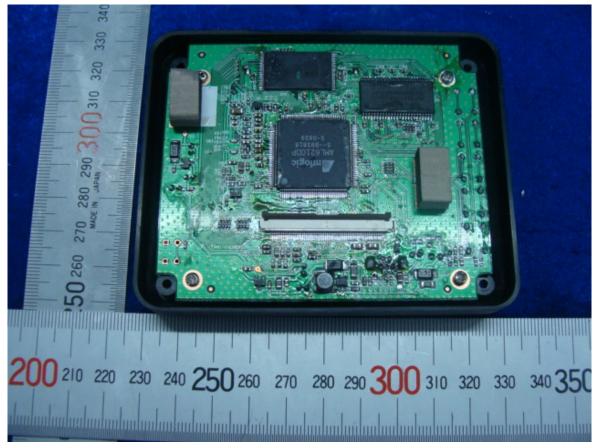
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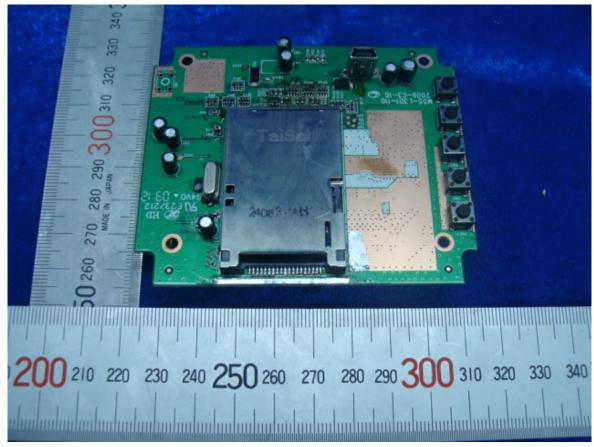
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-End of the report-