



TEST REPORT					
47 CFR FCC Part 15 Subpart B (Class B) Radio Frequency Devices – Unintentional Radiators – Limits and methods of measurement ANSI C63.4: 2009 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz					
Report Reference No					
FCC ID	BBP-PRSP1001				
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Approved by					
(position+printed name+signature):	Manager Wenliang Li mention				
Date of issue:	Nov 11, 2011				
Testing Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd				
Address	Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China				
Testing location/ procedure:	Full application of Harmonised standards Image: Comparison of Harmonised standards Image: Comparison of Harmonised standards Other standard testing methods Image: Comparison of Harmonised standards Image: Comparison of Harmonised standards				
Applicant's name:	Ricoh Company Ltd				
Address:	810, Shimoimaizum, Ebina-Shi, Kanagawa-ken, 243-0460 Japan				
Test specification:					
Standard:	47 CFR FCC Part 15 Subpart B (Class B) ANSI C63.4: 2009				
Non-standard test method:	/				
Test Report Form No	HTWEMCFCC_1A				
TRF Originator					
Master TRF	Dated 2006-06				
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Test item description:	Laser Printer				
Trade Mark:	/				
Manufacturer:	Ricoh Asia Industry (Shenzhen) Ltd.				
Model/Type reference	SP 100/Aficio SP 100				
Listed Model					
Ratings	120V 60Hz 6A 600W				
Result	Positive				

EMC -- TEST REPORT

Test Report No. :		TRE11100073	Nov 11, 2011 Date of issue
Equipment under Test	:	Laser Printer	
Model / Type	:	SP 100/Aficio SP 100	
Listed Model	:	/	
Applicant	:	Ricoh Company Ltd	
Address	:	810, Shimoimaizum, Ebir Japan	na-Shi, Kanagawa-ken, 243-0460
Manufacturer	:	Ricoh Asia Industry (She	nzhen) Ltd.
Address	:	North Huang Gang Road	l, Shenzhen, P.R.China

Test Result according to the standards on page 4:	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. <u>TEST STANDARDS</u>

The tests were performed according to following standards:

<u>47 CFR FCC Part 15 Subpart B (Class B)</u> Radio Frequency Devices – Unintentional Radiators – Limits and methods of measurement.

<u>ANSI C63.4: 2009</u> American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

2. <u>SUMMARY</u>

2.1. General Remarks:

Date of receipt of test sample : Nov 06, 2011

Testing commenced on : Nov 06, 2011

Testing concluded on : Nov 11, 2011

2.2. Equipment under Test

Power supply system utilised	k				
Power supply voltage	-	0	230V / 50 Hz 12 V DC Other (specified in blank bel	0	115V / 60Hz 24 V DC)

AC 120V/60Hz

2.3. Short description of the Equipment under Test (EUT)

The EUT is a Laser Printer

2.4. EUT operation mode:

The equipment under test was operated during the measurement under the following conditions:

Test program (customer specific)

Emissions tests.........: 47 CFR FCC Part 15 Subpart B (Class B) and ANSI C63.4 2009, searching for the highest disturbance.

2.5. EUT configuration

1) Equipment under test

Kind of equipment	Manufacturer	Model name	Serial number	Remarks
Print Machine	RICOH	SP 100/Aficio SP 100	M1011700020	

FCC ID: BBP- PRSP1001

2)Highest Frequency Generated or Used in The Device or on Which the Device Operates(MHz)

Kind of equipment	Model name	Operates Frequency	Remarks
Print Machine	SP 100/Aficio SP 100	96MHz	SDRAM

3) Operating modes:

No.	Operating mdoes	Remarks
1	Standby	
2	USB Print	

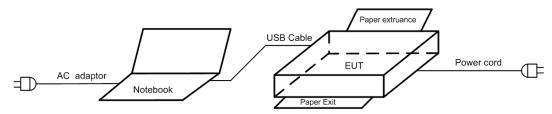
4) Supporting equipment

	mont			
Kind of equipment	Manufacturer	Model name	Serial number	Remarks
Notebook	Lenovo	ThinkPad X201i	R8-7DYTX 10/11	

5) Cables used

Cable Name	Length	Shielded	Ferrite	Maker
AC cable	1.8m	No	No	Volex
USB cable	2m	Yes	No	RICOH

6) EUT Setup



3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen Huatongwei International Inspection Co., Ltd Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China Phone: 86-755-26715686 Fax: 86-755-26748089

3.2. Test Facility

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

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: Mar 30, 2009. Valid time is until Mar 29, 2012.

A2LA-Lab Cert. No. 2243.01

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until Sept 30, 2013.

FCC-Registration No.: 662850

Shenzhen Huatongwei International Inspection Co., Ltd, 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 662850, Renewal date Jun 01, 2009.

IC-Registration No.: 5377

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377 on Jan 25, 2011. Valid time is until Jan 24, 2014

ACA

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

NEMKO-Aut. No.: ELA125

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025:2005 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10, the Authorization is valid through July 07, 2013.

VCCI

The 3m Semi-anechoic chamber $(12.2m \times 7.95m \times 6.7m)$ and Shielded Room $(8m \times 4m \times 3m)$ of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2484. Date of Registration: December 20, 2006. Valid time is until December 20, 2012.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: December 20, 2006. Valid time is until December 19, 2012.

DNV

Shenzhen Huatongwei International Inspection Co Ltd has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025(2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until Aug 24, 2013.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4. Test Description

Emission Measurement			
	47 CFR FCC Part 15 Subpart B Class B	D 400	
Radiated Emission	ANSI C63.4 2009	PASS	
	47 CFR FCC Part 15 Subpart B Class B	D 400	
Conducted Disturbance	ANSI C63.4 2009	PASS	

Remark: The measurement uncertainty is not included in the test result.

3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.24dB	(1)
Conducted Disturbance	0.15~30 MHz	3.39dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2

3

4

5

6

Artificial Mains

Artificial Mains

Pulse Limiter

EMI Test Software

3# shielded room

Radia	ted Emission				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	ULTRA-BROADBAND ANTENNA	Rohde & Schwarz	HL562	100015	2011/05/30
2	EMI TEST RECEIVER	Rohde & Schwarz	ESI 26	100009	2011/10/24
3	RF TEST PANEL	Rohde & Schwarz	TS / RSP	335015/ 0017	2011/10/24
4	TURNTABLE	ETS	2088	2149	2011/10/24
5	ANTENNA MAST	ETS	2075	2346	2011/10/24
6	EMI TEST SOFTWARE	Rohde & Schwarz	ESK1	N/A	2011/10/24
7	Double-Ridged- Waveguide Horn Antenna	Rohde & Schwarz	HF906	100039	2011/10/24
8	Semi-anechoic chamber	ETS-LINDGREN	AJ 593 HTW	N/A	2011/10/24
<u> </u>					
Condi	ucted Disturbance				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	Rohde & Schwarz	ESCS30	100038	2011/10/24

ESH2-Z5

ESH3-Z5

ESH3-Z2

ESK1

RFD-100

100028

100040

100044

N/A

2406

2011/10/24

2011/10/24

2011/10/24

2011/10/24

N/A

Rohde & Schwarz

Rohde & Schwarz

Rohde & Schwarz

Rohde & Schwarz

ETS-LINDGREN

3.6. Equipments Used during the Test

V1.0

4. TEST CONDITIONS AND RESULTS

4.1. Radiated Emission

For test instruments and accessories used see section 3.6.

4.1.1. Description of the test location

Test location: Shielded room No. 4

4.1.2. Limits of disturbance

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB μ V/m)			
30 ~ 88	3	40			
88~216	3	43.5			
216 ~ 960	3	46			
960-1000	3	54			
1000-2000	3	74(PK)	54(AV)		

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

- (2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.
- (3)The highest frequency of the internal sources of the EUT is 96MHz, so the measurement was made up to 1 GHz.

4.1.3. Description of the test set-up

4.1.3.1. Operating Condition

The EUT is set to work that shall be carried out respectively standby and USB printing modes during the test and the results of the maximum emanation are recorded.

4.1.3.2. Test Configuration and Procedure

Test is carried out in Semi-Anechoic Chamber. EUT is placed on a nonmetal table which is 0.8 meter above a grounded turntable. EUT is set 3 meters away from the center of receiving antenna. The turntable can rotate 360 degrees to determine the azimuth of the maximum emission level and then the antenna can move up and down from 1 to 4 meter to find out the maximum emission level. Both horizontal and vertical polarizations of the antenna are set on the test.

4.1.3.3. Photos of the test set-up



4.1.4. Test result

The requirements are **Fulfilled**

Band Width: 120 KHz

Frequency Range: 30MHz to 1000MHz

Remarks: The limits are kept. For detailed results, please see the following page(s).

Margin=limit-level

Level=read valus+transducer

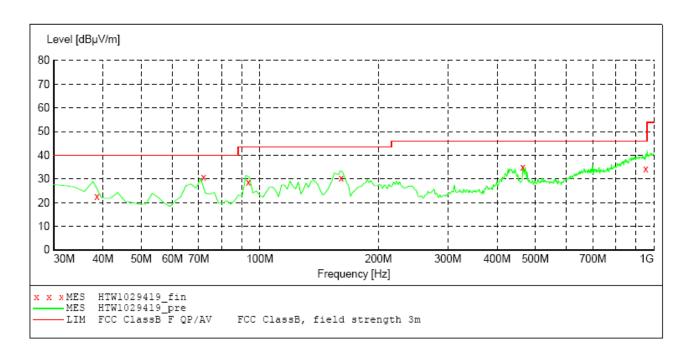
Transducer=antenna factor+pre-amplifier factor+cable loss (with 6db attenuator)

For 30MHz-1000MHz

Test Condition	Maximum Radiated Emissions		Polariza-	Limit (dBuV/	Margin	Detector
Test Condition	Frequency (MHz)	Datum (dBuV/m)	tion	(ubuv/ m)	(dB)	Delector
Standby	72.00	30.9	Vertical	40.00	9.1	QP
Test	Results				Pass	

SCAN TABLE: "test Field (30M-1G) QP"

Short Desc	Fi	th (30M-1	G)			
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	HL562 2011



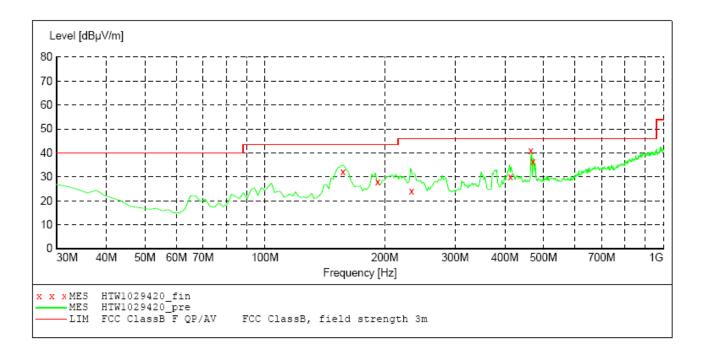
MEASUREMENT RESULT: "HTW1029419 fin"

	-	
38.640000 72.000000 93.540000 161.040000 464.940000	139.0 262.00 VEF 100.0 35.00 VEF 131.0 227.00 VEF	RTICAL RTICAL RTICAL RTICAL RTICAL
72.000000 93.540000 161.040000	139.0 100.0 131.0	262.00 VEF 35.00 VEF 227.00 VEF

Test Condition	Maximum Radiated Emissions		Polariza-	Limit (dBuV/	Margin	Detector
	Frequency (MHz)	Datum (dBuV/m)	tion	(ubuv/ m)	(dB)	Delector
Standby	464.94	40.90	Horizontal	46.00	5.1	QP
Test	Results				Pass	

SCAN TABLE: "test Field (30M-1G) QP"

Short Desc	Fi	th (30M-1	G)			
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	HL562 2011



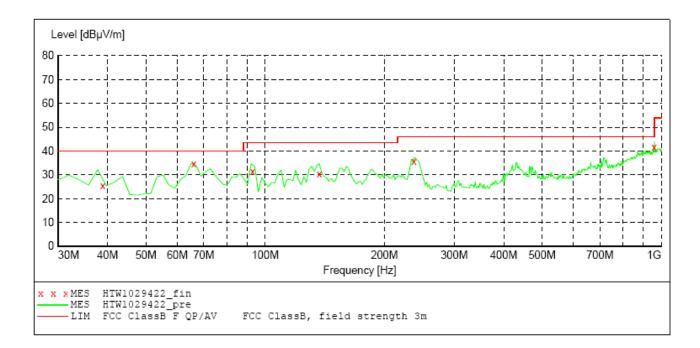
MEASUREMENT RESULT: "HTW1029420_fin"

10/29/2011 5	:05PM							
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
157.080000	32.10	-14.8	43.5	11.4	QP	233.0	294.00	HORIZONTAL
192.000000	28.00	-14.5	43.5	15.5	QP	151.0	320.00	HORIZONTAL
233.460000	24.10	-11.3	46.0	21.9	QP	151.0	294.00	HORIZONTAL
413.340000	30.10	-5.5	46.0	15.9	QP	100.0	223.00	HORIZONTAL
464.940000	40.90	-3.9	46.0	5.1	QP	100.0	124.00	HORIZONTAL
470.880000	36.40	-3.8	46.0	9.6	QP	100.0	116.00	HORIZONTAL

Test Condition	Maximum Radiated Emissions		Polariza-	Limit (dBuV/	Margin	Detector
	Frequency (MHz)	Datum (dBuV/m)	tion	(ubuv/ m)	(dB)	Delector
USB Printing	960.00	41.70	Vertical	46.00	4.3	QP
Test	Results				Pass	

SCAN TABLE: "test Field (30M-1G) QP"

Short Desc	Fi	th (30M-10	G)			
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	HL562 2011



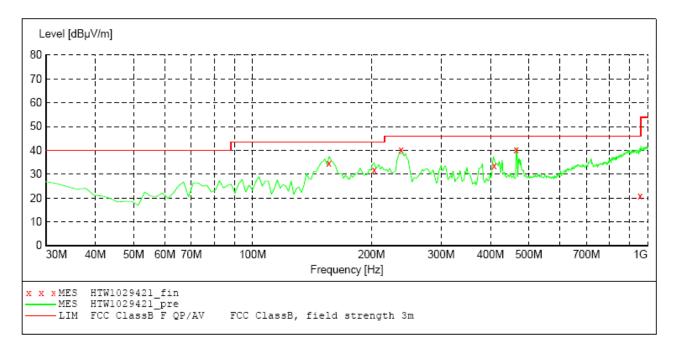
MEASUREMENT RESULT: "HTW1029422_fin"

10/29/2011 5	:37PM							
Frequency MHz	Level dBµV/m		Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
38.940000 66.060000	25.40 34.60	-8.0 -15.9	40.0 40.0	14.6 5.4	-	100.0 167.0	196.00	VERTICAL VERTICAL
93.000000	31.50	-11.9	43.5	12.0	_	100.0	49.00	
137.040000	30.60	-13.0	43.5	12.9	QP	100.0	188.00	VERTICAL
237.300000	35.80	-11.0	46.0	10.2	QP	100.0	281.00	VERTICAL
960.000000	41.70	6.4	46.0	4.3	QP	100.0	204.00	VERTICAL

Test Condition	Maximum Radiated Emissions		Polariza-	Limit (dBuV/	Margin	Detector
Test Condition	Frequency (MHz)	Datum (dBuV/m)	tion	(dBuv/ m)	(dB)	Delector
USB Printing	464.94	40.20	Horizontal	46.00	5.8	QP
Test			Pass			

SCAN TABLE: "test Field (30M-1G) QP"

Short Desc	Fi	th (30M-1	G)			
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	HL562 2011



MEASUREMENT RESULT: "HTW1029421_fin"

10/29/2011 5:	22PM							
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
156.060000 203.460000 237.960000 409.200000 464.940000 957.300000	34.80 31.90 40.20 33.50 40.20 20.80	-14.7 -13.7 -10.9 -5.5 -3.9 6.3	43.5 43.5 46.0 46.0 46.0 46.0	8.7 11.6 5.8 12.5 5.8 25.2	QP QP QP QP	262.0 183.0 138.0 100.0 100.0 397.0	288.00 325.00 293.00 223.00 113.00 250.00	HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL

4.2. Conducted Disturbance

For test instruments and accessories used see section 3.6.

4.2.1. Description of the test location

Test location: Shielded room No. 3

4.2.2. Limits of disturbance

Limit of Conducted Disturbance at Mains Ports (Class B)

Frequency Banga (MHz)	Limits (dBuV)					
Frequency Range (MHz)	Quasi-Peak	Average				
0.150~0.500	66~56	56~46				
0.500~5.000	56	46				
5.000~30.000	60	50				

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

4.2.3. Description of the test set-up

4.2.3.1. Operating Condition

The EUT is set to work that shall be carried out respectively standby and USB printing modes during the test and the maximum emanating results are recorded.

4.2.3.2. Test Procedure

EUT is placed on a nonmetal table 0.8 meter above the grounded reference plane. The power line of the EUT is connected to the LISN which is connected to receiver by coaxial line, and then disturbance signals of the neutral line and live line can be detected by the receiver.

4.2.3.3. Photos of the test set-up



4.2.4. Test result

The requirements are Fulfilled

Band Width: 9 KHz

Frequency Range: 150 KHz to 30MHz

Remarks: The limits are kept. For detailed results, please see the following page(s).

Margin=limit-level

Level=read valus+transducer

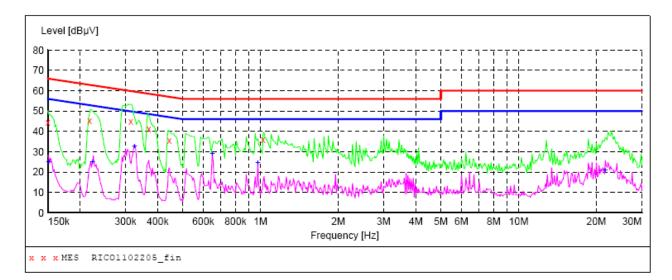
Transducer=insertion loss of LISN+cable loss+insertion loss of pulse limiter

Test Condition	Maximum Conducted Emissions			Limit	Transd	Margin			
	Frequency	Datum	Line	(dBuV)	(dB)	(dB)	Detector		
	(MHz)	(dBuV)		(abav)					
Standby	0.315	45.00	L	60.00	10.20	14.80	QP		
Standby	0.325	32.90	L	50.00	10.20	16.70	AV		
Test Results				Pass					

SCAN TABLE: "Voltage (150K-30M) FIN"

Short Description:

150K-30M Voltage



MEASUREMENT RESULT: "RICO1102205 fin"

11/2/2011	3:02PM						
Frequen Mi	cy Level Hz dBµV		Limit dBµV	Margin dB	Detector	Line	PE
0.1500 0.2181 0.3147 0.3690 0.4433 1.0234	40 45.30 08 45.00 80 41.40 19 35.50	10.2 10.2 10.2 10.2	66 63 60 59 57 56	17.1	QP QP	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND

MEASUREMENT RESULT: "RICO1102205 fin2"

11/2/2011 3:02PM Frequency Level Transd Limit Margin Detector Line PE MHz dBµV dB dBµV dB 25.00 10.1 30.9 AV 0.151200 56 ь1 GND 0.223410 24.90 10.2 53 27.8 AV ь1 GND 0.324909 32.90 10.2 50 16.7 AV L1 GND 29.00 10.2 10.2 0.649868 46 17.0 AV L1 GND 0.975694 24.70 46 21.3 AV г1 GND 29.1 AV 10.6 21.650268 20.90 50 L1 GND

V1.0

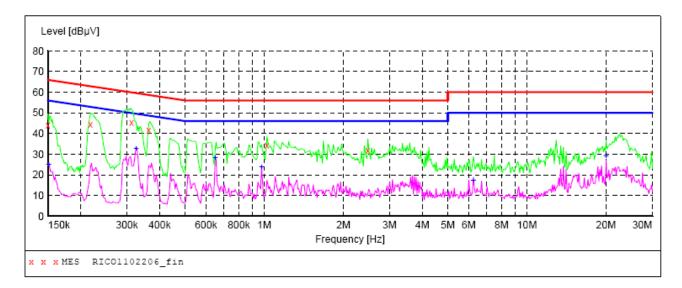
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Test Condition	Maximum Conducted Emissions			Limit	Transd	Margin	
	Frequency (MHz)	Datum (dBuV)	Line	(dBuV)	(dB)	(dB)	Detector
Standby	0.312	45.20	N	60.00	10.20	14.70	QP
	0.325	32.60	N	50.00	10.20	17.00	AV
Test Results			Pass				

SCAN TABLE: "Voltage (150K-30M) FIN"

Short Description:

150K-30M Voltage



MEASUREMENT RESULT: "RICO1102206_fin"

11/2/2011	3:10PM						
Frequenc Mi	cy Level Hz dBµV		Limit dBµV	Margin dB	Detector	Line	PE
0.15000			66 63	21.9 18.4	-	N N	GND GND
0.31221	10 45.20		60	14.7	-	N	GND
0.36325	50 41.80	10.2	59	16.9	QP	N	GND
1.02347	73 34.50	10.2	56	21.5	QP	N	GND
2.47855	51 31.90	10.3	56	24.1	QP	Ν	GND

MEASUREMENT RESULT: "RICO1102206_fin2"

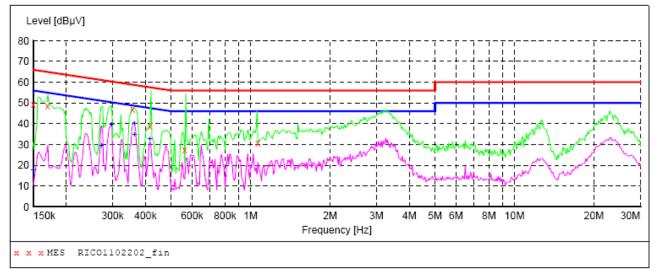
11/2/2011	3:10PM						
Frequen Mi	cy Level Hz dBµV		Limit dBµV	Margin dB	Detector	Line	PE
0.1512	00 25.00	10.1	56	30.9	AV	N	GND
0.3249	09 32.60	10.2	50	17.0	AV	N	GND
0.6498	68 28.30	10.2	46	17.7	AV	N	GND
0.9756	94 23.80	10.2	46	22.2	AV	N	GND
6.2462	53 17.20	10.4	50	32.8	AV	N	GND
19.9920	77 29.20	10.5	50	20.8	AV	N	GND

Test Condition	Maximum Conducted Emissions			Limit	Transd	Margin	
	Frequency	Datum	Line	(dBuV)	(dB)	(dB)	Detector
	(MHz)	(dBuV)	(ub)				
USB Printing	0.358	47.00	Ν	59.00	10.20	11.80	QP
USB Filling	0.363	40.00	Ν	49.00	10.20	8.70	AV
	Test Results		Pass				

SCAN TABLE: "Voltage (150K-30M) FIN"



150K-30M Voltage



MEASUREMENT RESULT: "RICO1102202_fin"

11/2/2011	2:39PM						
Frequenc MH	-	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.15000	0 49.30	10.1	66	16.7	QP	N	GND
0.17039	2 48.40	10.1	65	16.5	QP	N	GND
0.35751	0 47.00	10.2	59	11.8	QP	N	GND
0.41594	0 38.80	10.2	58	18.7	QP	N	GND
0.56304	0 27.30	10.2	56	28.7	QP	N	GND
1.06507	0 30.60	10.2	56	25.4	QP	N	GND

MEASUREMENT RESULT: "RICO1102202_fin2"

11/2/2011 2:	39PM						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	17.70	10.1	56	38.3	AV	N	GND
0.272664	29.30	10.2	51	21.7	AV	Ν	GND
0.297642	39.70	10.2	50	10.6	AV	N	GND
0.363250	34.60	10.2	49	14.1	AV	Ν	GND
0.363253	40.00	10.2	49	8.7	AV	N	GND
0.415941	32.50	10.2	48	15.0	AV	N	GND

V1.0

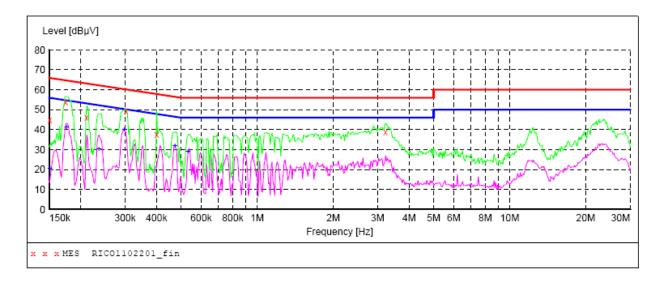
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Test Condition	Maximum Conducted Emissions			Limit	Transd	Margin		
	Frequency	Datum	Line	(dBuV)	(dB)	(dB)	Detector	
	(MHz)	(dBuV)						
USB Printing	0.175	53.80	L	65.00	10.10	10.90	QP	
	0.298	39.90	L	50.00	10.20	10.40	AV	
Test Results			Pass					

SCAN TABLE: "Voltage (150K-30M) FIN"

Short Description:

150K-30M Voltage



MEASUREMENT RESULT: "RICO1102201 fin"

11/2/2011 2:30PM											
Frequen M	су Hz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE			
0.1512 0.1745 0.2112 0.3024 0.3997 3.2240	15 97 20 02	44.70 53.80 46.20 49.30 37.50 39.00	10.1 10.1 10.2 10.2 10.2 10.3	66 65 60 58 56	21.2 10.9 17.0 10.9 20.4 17.0	QP QP QP	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND			

MEASUREMENT RESULT: "RICO1102201_fin2"

11/2/2011 2:30PM Frequency Level Transd Limit Margin Detector Line PE MHz dBµV dB dBµV dB 10.1 0.151200 20.70 56 35.2 AV L1 GND 10.1 10.2 55 52 13.5 AV 0.175906 41.20 L1 GND 0.236225 30.40 21.8 AV L1 GND 0.297640 50 39.90 10.2 10.4 AV L1 GND 31.90 10.2 47 29.00 10.2 46 0.472500 14.6 AV L1 GND L1 0.532490 17.0 AV GND

5. External and Internal Photos of the EUT

5.1. External photos of the EUT



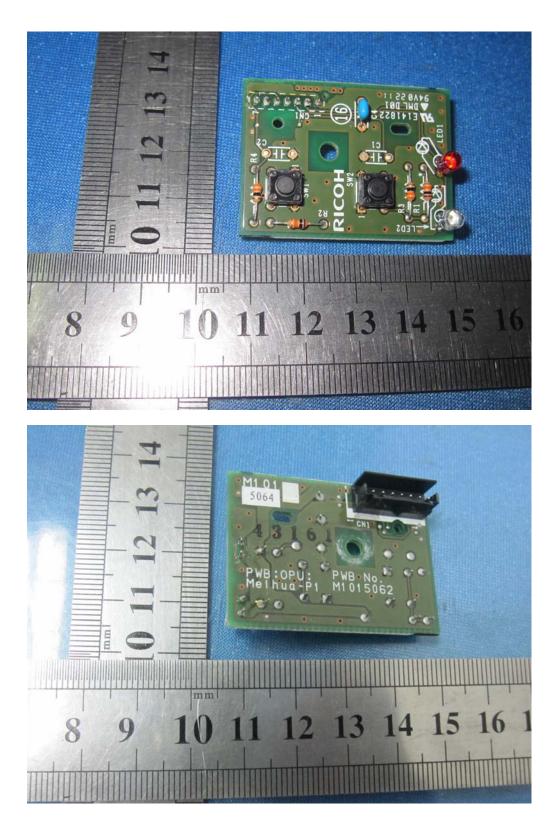


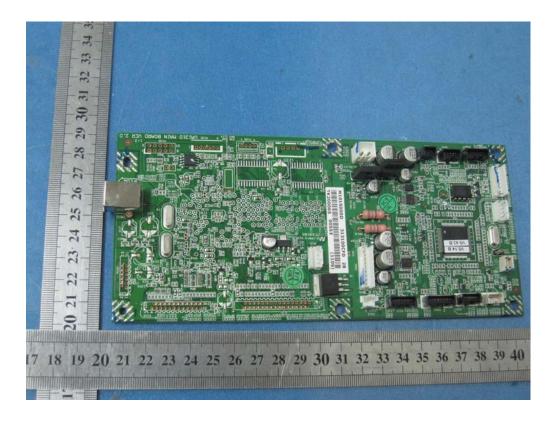


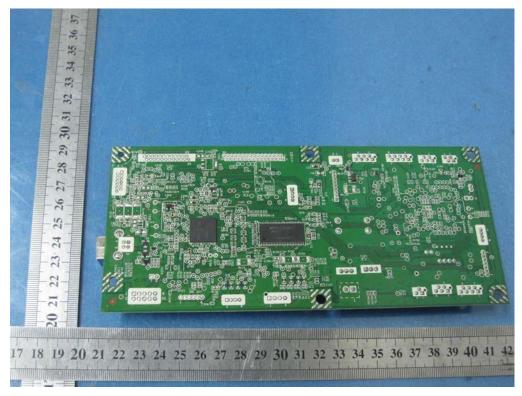
5.2. Internal photos of the EUT

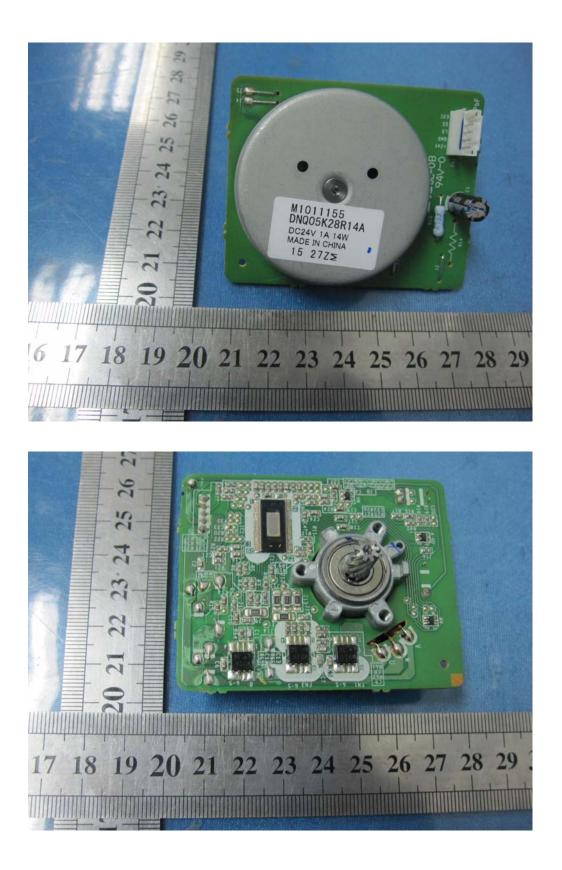




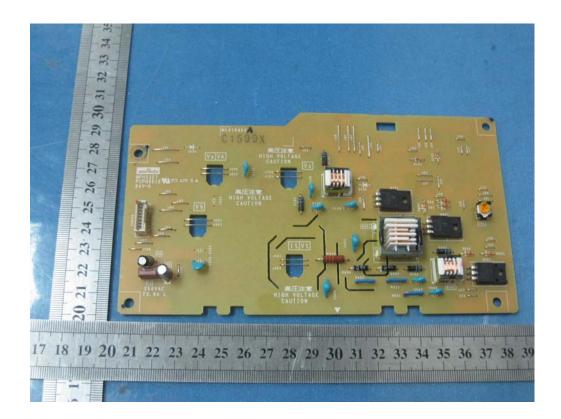


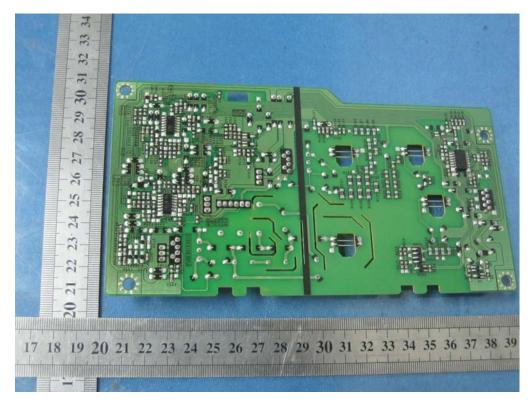


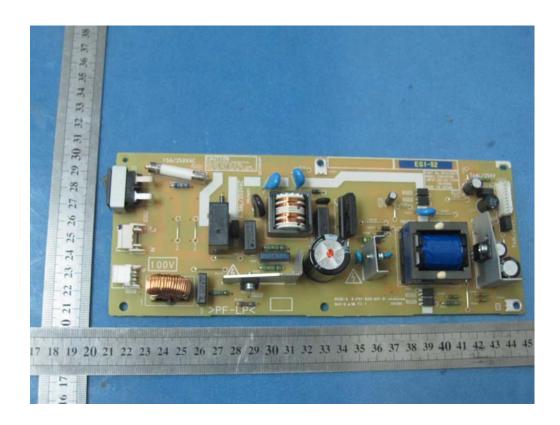


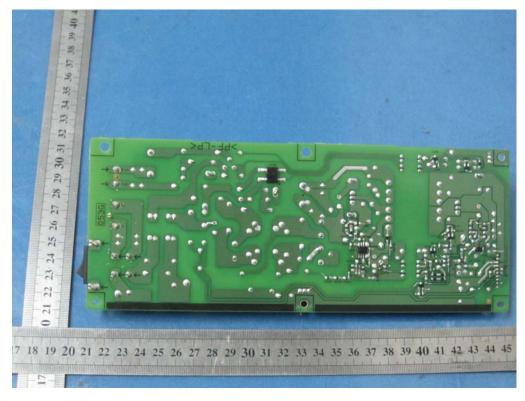


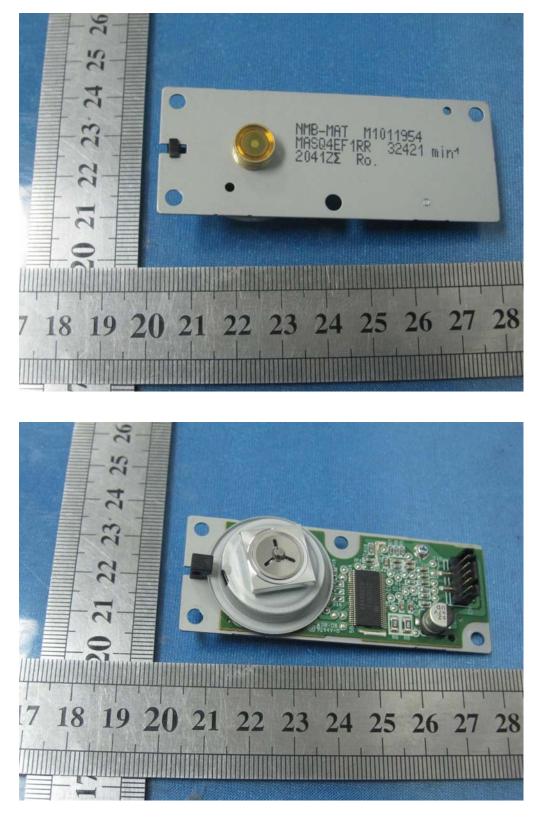












.....End of Report.....