

# *SECTION 1*

## *Test Reports of Immunity*

*(EN55024/2010)*

*EN61000-4-2/2009*  
*(EN 301 489-1 V1.9.2 <9.3>)*  
**Electrostatic Discharge Immunity Test**

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 5 February, 2016

Temperature ..... : 22°C

Humidity ..... : 51%

Atom. Pressure ..... : 1010hPa

Testing Place ..... : Kyocera Document Solutions CE Test Room

Power Input ..... : AC230V, 50Hz

Tested by ..... : Takayuki Matsunura

*T. Matsunura*

This test was applied as follows.

<i>Voltage</i>	<i>Discharging method</i>	<i>Criteria</i>	<i>Result</i>
± 4.0kV	Contact discharge	B	Pass
± 8.0kV	Air discharge	B	Pass
± 4.0kV	Indirect discharge	B	Pass

*Test equipment used:*

ESD Generator : ESS-200AX (Noise Laboratory Co., Ltd.)

ESD Gun : TC-815D (Noise Laboratory Co., Ltd.)

# Electrostatic Discharge Immunity Test

Model : TASKalfa 4002i / TASKalfa 5002i / TASKalfa 6002i  
(Test Date : 2016.February.)

◎Operation Mode

1. Stand by
2. Copy
3. LAN Print (On Board)
4. FAX Tx + USB Print

◎Discharge Method

- C : Contact Discharge  
A : Air Discharge  
V : Discharge into VCP  
H : Discharge into HCP

P. 1 / 2

No.	Discharged parts	Mode	Method	Result
	●MFP (Main)			
01	Screws for Operation Panel	1, 2, 3, 4	C, A	Worked Normal
02	Screws for Right Side	1, 2, 3, 4	C, A	Worked Normal
03	Handle	1, 2, 3, 4	C, A	Worked Normal
04	Fixing Mount for Printer , Printer NIC and FAX Kit	1, 2, 3, 4	C, A	Worked Normal
05	Connector for LAN Port Line	1, 2, 3, 4	C, A	Worked Normal
06	Connector for USB Port Line	1, 2, 3, 4	C, A	Worked Normal
07	Screws for Back Side	1, 2, 3, 4	C, A	Worked Normal
08	Fixing Mount for AC Inlet	1, 2, 3, 4	C, A	Worked Normal
09	Fixing Mount for Modular Connector	1, 2, 3, 4	C, A	Worked Normal
10	Screws for Left Side	1, 2, 3, 4	C, A	Worked Normal
11	Metallic Parts for Bypass	1, 2, 3, 4	C, A	Worked Normal
12	Screws for Top Side	1, 2, 3, 4	C, A	Worked Normal
13	Metallic Parts in Inner Tray	1, 2, 3, 4	C, A	Worked Normal
14	Screws for top side	1, 2, 3, 4	C, A	Worked Normal
15	Screws for left side	1, 2, 3, 4	C, A	Worked Normal
16	Screws for right side	1, 2, 3, 4	C, A	Worked Normal
17	Screws for back side	1, 2, 3, 4	C, A	Worked Normal
18	Metallic cover for back side	1, 2, 3, 4	C, A	Worked Normal
19	Attachment for Finisher	1	C, A	Worked Normal
20	Inner metallic parts in bypass part	1	C, A	Worked Normal
21	Inner metallic parts inside front cover (*opened)	1	C, A	Worked Normal
22	Inner metallic parts in paper cassettes	1	C, A	Worked Normal
	●DP			
23	Screws for back side	1, 2, 3, 4	C, A	Worked Normal
24	Left / right hinge	1, 2, 3, 4	C, A	Worked Normal
25	Metallic parts for convey part	1, 2, 3, 4	C, A	Worked Normal
26	Inner metallic parts inside top cover	1	C, A	Worked Normal
27	Metallic parts for bottom side	1	C, A	Worked Normal
	●Finisher / MT			
28	Screws for back side	1, 2, 3, 4	C, A	Worked Normal
29	Screws for left side	1, 2, 3, 4	C, A	Worked Normal
30	Metallic parts for left side	1, 2, 3, 4	C, A	Worked Normal
31	Metallic parts for paper exit part	1, 2, 3, 4	C, A	Worked Normal
32	Finisher base	1, 2, 3, 4	C, A	Worked Normal
33	Inner metallic parts inside front cover	1	C, A	Worked Normal
34	Inner metallic parts inside top cover	1	C, A	Worked Normal
	●Paper Feeder			
35	Screws for Right Side	1, 2, 3, 4	C, A	Worked Normal
36	Screws for back side	1, 2, 3, 4	C, A	Worked Normal
04	Screws for Top side	1	C, A	Worked Normal
37	Inner metallic parts inside top cover	1	C, A	Worked Normal
38	Inner metallic parts in paper cassettes	1	C, A	Worked Normal

No.	*Indirect Discharge	Mode	Method	Result
01	Front Side	1, 2, 3, 4	V	Worked Normal
02	Rear Side	1, 2, 3, 4	V	Worked Normal
03	Left Side	1, 2, 3, 4	V	Worked Normal
04	Right Side	1, 2, 3, 4	V	Worked Normal

*EN61000-4-4/2012*  
(*EN 301 489-1 V1.9.2 <9.4>*)

## *Electrical Fast Transient/Burst Immunity Test*

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 3 February, 2016

Temperature ..... : 23°C

Humidity ..... : 52%

Atom. Pressure ..... : 1018hPa

Testing Place ..... : Kyocera Document Solutions CE Test Room

Power Input ..... : AC230V, 50Hz

Tested by ..... : Takayuki Matsuura

*T. Matsuura*

This test was applied as follows.

		<i>Voltage</i>	<i>Duration</i>	<i>Criteria</i>	<i>Result</i>
E.U.T. Power Line	PE	± 1.0kV, 5kHz	1 min.	B	Pass
	L				
	N				
Communication Line		± 0.5kV, 5kHz	1 min.	B	Pass

*Test equipment used:*

EFT/B Test System : FNS-AX3-A16B (Noise Laboratory Co., Ltd.)

## EFT/B Immunity Test

Model : TASKalfa 4002i / TASKalfa 5002i / TASalfa  
6002i

(Test Date: 2016.February.)

		Power Supply Port			Communication Port	*Remarks
		PE	L1	L2		
1.	Copy	Worked normal	Worked normal	Worked normal	LAN Cable/USB Cable/Modular Cable	
2.	USB Print + FAX Tx	Worked normal	Worked normal	Worked normal	Worked normal	
3.	LAN Print (On Board)	Worked normal	Worked normal	Worked normal	Worked normal	



*EN61000-4-5/2006*  
*(EN 301 489-1 V1.9.2 <9.8>)*  
*Surge Immunity Test*

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 12 February, 2016

Temperature ..... : 21°C

Humidity ..... : 52%

Atom. Pressure ..... : 1019hPa

Testing Place ..... : Kyocera Document Solutions CE Test Room

Power Input ..... : AC230V, 50Hz

Tested by ..... : Takayuki Matsuura

*T. Matsuura*

This test was applied as follows.

		<i>Voltage</i>	<i>Degree</i>	<i>Criteria</i>	<i>Result</i>
E.U.T. Power Line	L1-L2	±1.0kV	0°, 90°, 270°	B	Pass
	L1-PE	±2.0kV			Pass
	L2-PE	±2.0kV			Pass

*Test equipment used:*

Surge Test System : LSS-F02C1 (Noise Laboratory Co., Ltd.)

# Surge Immunity Test

Model: TASKalfa 4002i / TASKalfa 5002i / TASKalfa  
6002i

(Test Date : 2016.February.)

Mode : (1) Copy

Coupling	Surge Voltage	Phase		
		0 deg	90 deg	270 deg
L1 - L2	± 500V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
L1 - PE	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±2000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
L2 - PE	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±2000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>

Mode : (2) LAN Print (On Board)

Coupling	Surge Voltage	Phase		
		0 deg	90 deg	270 deg
L1 - L2	± 500V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
L1 - PE	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±2000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
L2 - PE	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±2000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>

Mode : (3) FAX Tx + USB Print

Coupling	Surge Voltage	Phase		
		0 deg	90 deg	270 deg
L1 - L2	± 500V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
L1 - PE	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±2000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
L2 - PE	±1000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>
	±2000V	<i>Worked normal</i>	<i>Worked normal</i>	<i>Worked normal</i>

*EN61000-4-11/2004*  
*(EN 301 489-1 V1.9.2 <9.7>)*  
***Voltage Dips, Short Interruption***  
***and Voltage Variation Immunity Test***

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 23 February, 2016

Temperature ..... : 23°C

Humidity ..... : 55%

Atom. Pressure ..... : 1016hPa

Testing Place ..... : Kyocera Document Solutions CE Test Room

Power Input ..... : AC230V, 50Hz

Tested by ..... : Takayuki Matsuura

*T. Matsuura*

This test was applied as follows.

	<i>Reduction</i>	<i>Term</i>	<i>Criteria</i>	<i>Result</i>
Voltage Dips	100%	0.5c/s	B	Pass
	30%	25c/s	C	Pass
Short Interruptions	100%	250c/s	C	Pass

*Test equipment used:*

Voltage Dip Simulator : VDS-220SB (Noise Laboratory Co., Ltd.)



# Voltage Dips & Short Interruptions Test

Model: TASKalfa 4002i / TASKalfa 5002i / TASalfa 6002i

(Test Date : 2016.February.)

Mode : (1) Copy

	<i>Reduction</i>	<i>Term</i>	<i>Criteria</i>	<i>Result</i>	<i>Remarks</i>
Vol. Dips	100%	0.5c/s	B	<i>Pass</i>	<i>*Worked Normal</i>
	30%	25c/s	C	<i>Pass</i>	<i>*Worked Normal</i>
Short Int.	100%	250c/s	C	<i>Pass</i>	<i>*Maked Reset</i>

Mode : (2) LAN Print (On Board)

	<i>Reduction</i>	<i>Term</i>	<i>Criteria</i>	<i>Result</i>	<i>Remarks</i>
Vol. Dips	100%	0.5c/s	B	<i>Pass</i>	<i>*Worked Normal</i>
	30%	25c/s	C	<i>Pass</i>	<i>*Worked Normal</i>
Short Int.	100%	250c/s	C	<i>Pass</i>	<i>*Maked Reset</i>

Mode : (3) FAX Tx + USB Print

	<i>Reduction</i>	<i>Term</i>	<i>Criteria</i>	<i>Result</i>	<i>Remarks</i>
Vol. Dips	100%	0.5c/s	B	<i>Pass</i>	<i>*Worked Normal</i>
	30%	25c/s	C	<i>Pass</i>	<i>*Worked Normal</i>
Short Int.	100%	250c/s	C	<i>Pass</i>	<i>*Maked Reset</i>

*EN61000-4-3/2006+A1/2008+A2/2010 + ENV50204/1996  
(EN 301 489-1 V1.9.2 <9.2>)*

*Radiated RF Electromagnetic Field  
Immunity Test*

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 17,18 February, 2016

Temperature ..... : 23°C

Humidity ..... : 56%

Atom. Pressure ..... : 1017hPa

Testing Place ..... : Kyocera Document Solutions Tamaki Factory

Power Input ..... : AC230V, 50Hz

Tested by ..... : Takayuki Matsuura

*T. Matsuura*

This test was applied as follows.

<i>Frequency</i>	<i>Polarity</i>	<i>RF Level</i>	<i>Criteria</i>	<i>Result</i>
80~1000 MHz	Vertical	3V/m, 80%, 1kHz AM Modulation	A	Pass
	Horizontal			Pass
900±5 MHz	Vertical	3V/m, 100%, 1kHz Frequency 200Hz Duty Cycle 50% PulseMod.	A	Pass
	Horizontal			Pass

We tested at Tamaki EMC Laboratory of KYOCERA Document Solutions Tamaki Factory.

Test equipment used : See the attached documents for details.

# *EN 301 489-1 V1.9.2 <9.2>*

## *Radiated RF Electromagnetic Field*

### *Immunity Test*

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

This test was applied as follows.

<i>Frequency</i>	<i>Polarity</i>	<i>RF Level</i>	<i>Criteria</i>	<i>Result</i>
1400~2700 MHz	Vertical	3V/m, 80%, 1kHz AM Modulation	A	Pass
	Horizontal			Pass

We tested at Labotech International Co., Ltd.

*Test equipment used : See the attached documents for details.*

## Radiated RF Electromagnetic Field Immunity Test

Model: TASKalfa 4002i / TASKalfa 5002i / TASKalfa 6002i

(Test Date : 2016.February.)

Mode : (1) Copy

<i>Test Face</i>	<i>Polar.</i>	<i>Result</i>	<i>Remarks</i>
Front	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Right	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Rear	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Left	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	

Mode : (2) LAN Print (On Board)

<i>Test Face</i>	<i>Polar.</i>	<i>Result</i>	<i>Remarks</i>
Front	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Right	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Rear	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Left	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	

Mode : (3) FAX Tx + USB Print

<i>Test Face</i>	<i>Polar.</i>	<i>Result</i>	<i>Remarks</i>
Front	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Right	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Rear	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Left	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	

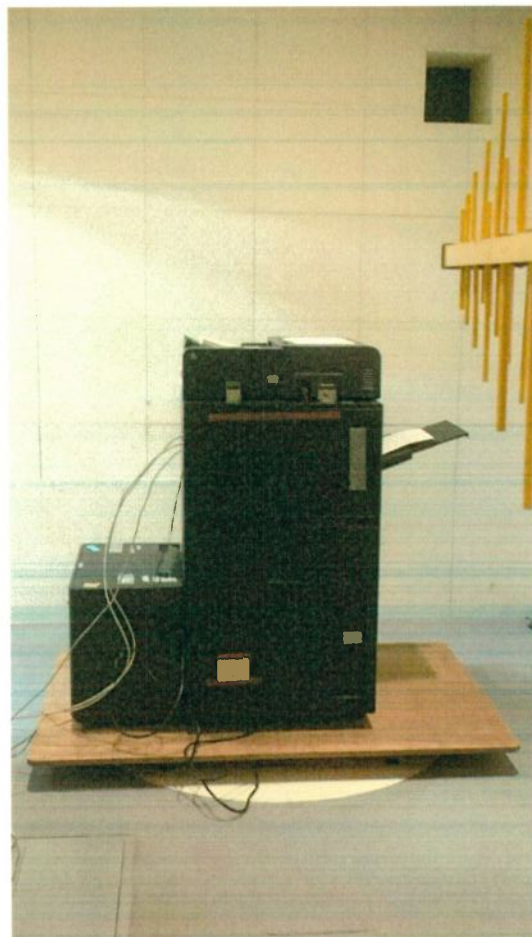
Mode : (4) LAN Print (Option)(Wired)

<i>Test Face</i>	<i>Polar.</i>	<i>Result</i>	<i>Remarks</i>
Front	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Right	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Rear	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	
Left	Vertical	<i>EUT worked normal.</i>	
	Horizontal	<i>EUT worked normal.</i>	



## **Photograph of Tested Device Configuration**

**(Radiated RF Electromagnetic Field Immunity Test)**





*EN61000-4-6/2009*  
*(EN 301 489-1 V1.9.2 <9.5>)*  
**Conducted RF Electromagnetic Field**  
**Immunity Test**

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 18 February, 2016

Temperature ..... : 22°C

Humidity ..... : 54%

Atom. Pressure ..... : 1018hPa

Testing Place ..... : Kyocera Document Solutions Tamaki Factory

Power Input ..... : AC230V, 50Hz

Tested by ..... : Takayuki Matsuura

*T. Matsuura*

This test was applied as follows.

	<i>Frequency</i>	<i>RF Level</i>	<i>Criteria</i>	<i>Result</i>
E.U.T. Power Line	0.15~80 MHz	3V/m, 80%, 1kHz AM Modulation	A	Pass
Communication Line				

We tested at Tamaki EMC Laboratory of KYOCERA Document Solutions Tamaki Factory.

*Test equipment used : See the attached documents for details.*

## Conducted RF Electromagnetic Field Immunity Test

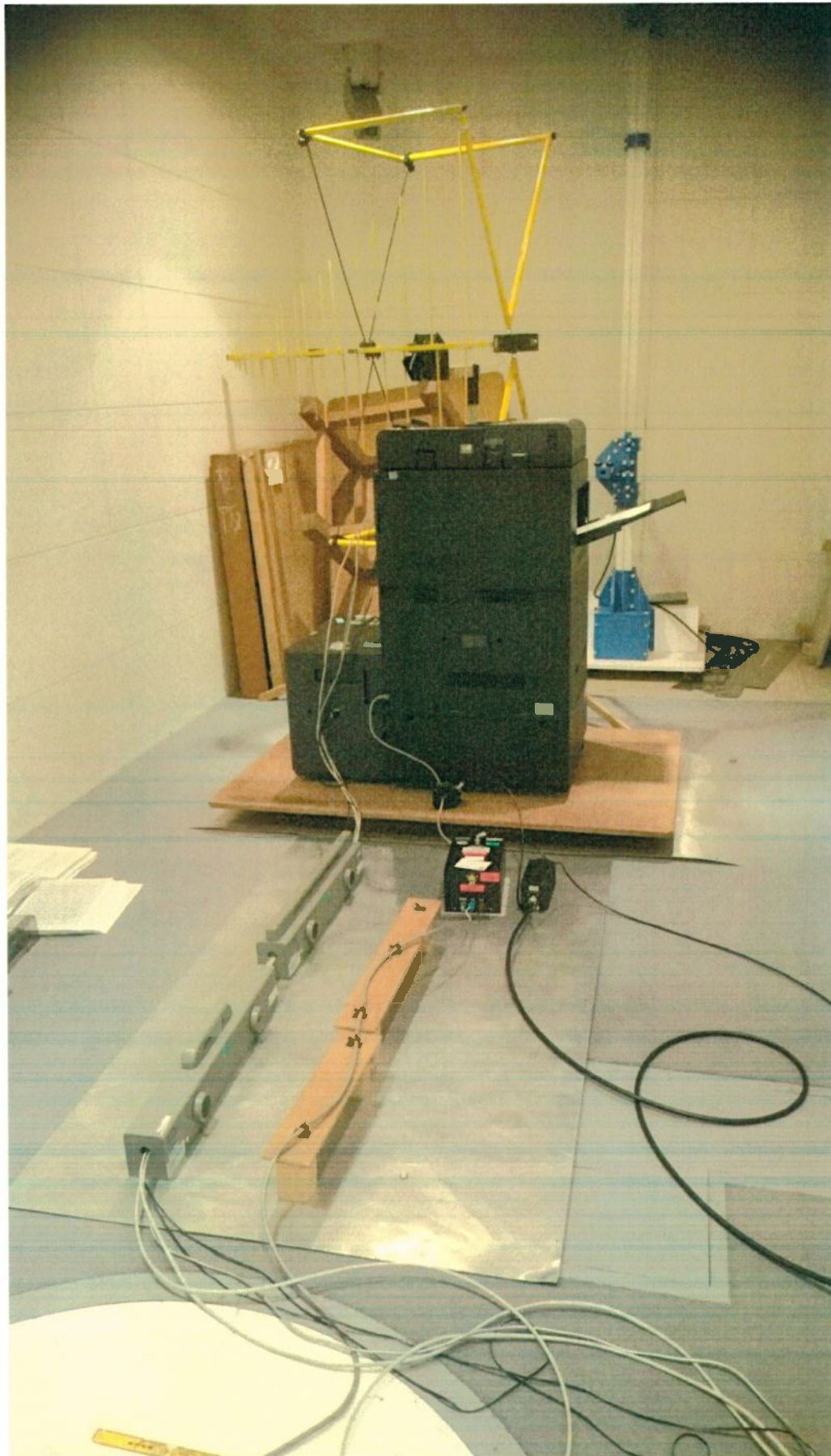
Model : TASKalfa 4002i / TASKalfa 5002i / TASKalfa 6002i

(Test Date: 2016.February.)

<i>Tested Port</i>	<i>Coupling</i>	<i>Operation Mode</i>	<i>Result</i>	<i>Remarks</i>
AC Power Cord for Printer	CDN M3	Copy	<b>EUT worked normal.</b>	
LAN Cable	EM Clamp	LAN Print (On Board) + FAX Rx LAN Print (Option)	<b>EUT worked normal.</b>	
USB Cable	EM Clamp	FAX Tx + USB Print	<b>EUT worked normal.</b>	

## **Photograph of Tested Device Configuration**

**(Conducted RF Electromagnetic Field Immunity Test)**



# EN61000-4-8/2010

## Power-Frequency Magnetic Field Immunity Test

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 19 February, 2016

Temperature ..... : 24°C

Humidity ..... : 58%

Atom. Pressure ..... : 1011hPa

Testing Place ..... : Kyocera Document Solutions Tamaki Factory

Power Input ..... : AC230V, 50Hz

Tested by ..... : Takayuki Matsuura

*T. Matsuura*

This test was applied as follows.

<i>Frequency</i>	<i>Level</i>	<i>Criteria</i>	<i>Result</i>
50 Hz	1A/m	A	Pass

We tested at Tamaki EMC Laboratory of KYOCERA Document Solutions Tamaki Factory.

*Test equipment used : See the attached documents for details.*



## Power-Frequency Magnetic Field Immunity Test

Model : TASKalfa 4002i / TASKalfa 5002i / TASKalfa 6002i

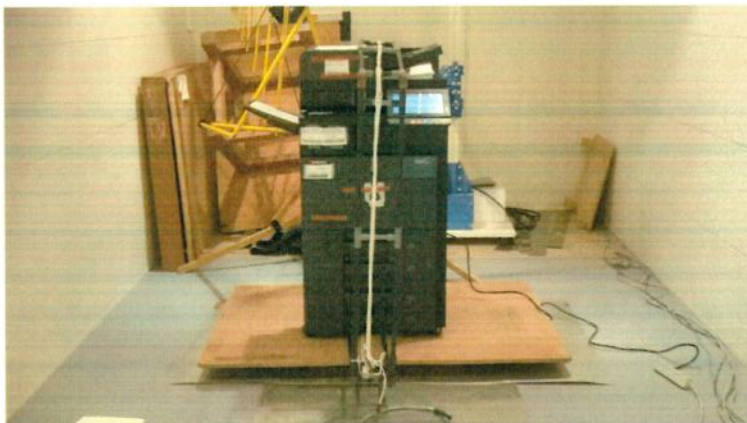
(Test Date: 2016.February.)

<i>Polarization</i>	<i>Operation Mode</i>	<i>Result</i>	<i>Remarks</i>
X	Copy	<i>EUT worked normal.</i>	
Y	Copy	<i>EUT worked normal.</i>	
Z	Copy	<i>EUT worked normal.</i>	



## **Photograph of Tested Device Configuration**

**(Power-Frequency Magnetic Field Immunity Test)**



## List of Tests and Measurement Equipment

### 『Test Clause』

**EN61000-4-3/ENV50204**

**EN61000-4-6**

**: Radiated RF Electromagnetic Field Immunity Test**

**: Conducted RF Electromagnetic Field Immunity Test**

<i>Equipment</i>	<i>Type</i>	<i>Manufacturer</i>	<i>Serial No.</i>
RF Signal Generator	HP8648B	Hewlett Packard	3642U01646
RF Power Amplifier	757LCB	Kalmas Engineering	8289-1
Amplifier Interface	IF-488	Kalmas Engineering	8289-2
Power Reflection Meter	NRT	Rohde&Schwarz	825490 / 003
Power Head	NAP-Z5	Rohde&Schwarz	847424 / 027
Field Sensor	HI-4422	Comtest International	96168
O/E Converter	HI-4413P	Comtest International	800 – 9205
Bilog Antenna	CBL6140	Schaffner Chase EMC	1107
Pulse Generator	2416A	Pragmatic Instruments	818314 820344
Current Sensor Probe	CSP9160	Schaffner Chase EMC	1059
Millivolt Meter	URV55	Rohde&Schwarz	846100 / 028
Insertion Unit	URV5-Z4	Rohde&Schwarz	848566 / 018
Spectrum Analyzer	HP8568B	Hewlett Packard	2517A01396
EM Injection Clamp	T/EM-801-23mm	Fisher Custom Communication	102
Decoupling Network	T/EM-DCN-23mm	Fisher Custom Communication	313
Calibration Fixture	T/EM-801-CF-23mm	Fisher Custom Communication	338
CDN	TCDN-801-M3-32	Fisher Custom Communication	9851
CDN	TCDN-801-S25	Fisher Custom Communication	9850
CDN(Calibration tools)	TCDN-801-150-50	Fisher Custom Communication	9852, 9853

### 『Test Clause』

**EN61000-4-8 : Power-Frequency Magnetic Field Immunity Test**

(MFP/Printer : A3 Model)

<i>Equipment</i>	<i>Type</i>	<i>Manufacturer</i>	<i>Serial No.</i>
Immunity Test System	<i>*Handmade</i>	---	---
Coupling Clamp	<i>*Not used</i>	---	---
Magnetic Field Coil	<i>*Handmade</i>	---	---

(MFP/Printer : A4 Model)

<i>Equipment</i>	<i>Type</i>	<i>Manufacturer</i>	<i>Serial No.</i>
Conducted immunity test system	BEST Plus 1	SCHAFFNER	199848-001SC
Magnetic field coil	INA 702	SCHAFFNER	199815-004SC
Coupling clamp	CDN126	SCHAFFNER	130