

SECTION 2

Test Reports of Emission

(EN55022/2006, EN61000-3-2/2006, EN61000-3-3/1995/A1/2001+A2/2005)

EN55022/2006

Radiated Interference Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 3500i / 4500i / 5500i	TEST-1
Paper Feeder	PF-730	TEST-1
	PF-740	TEST-1
Side Paper Feeder	PF-770	TEST-1
Document Processor	DP-770	TEST-1
	DP-771	TEST-1
Finisher	DF-770	TEST-1
	DF-790	TEST-1
Punch Unit	PH-7C / PH-7D	TEST-1
Booklet Folder	BF-730	TEST-1
Mulch Tray	MT-730	TEST-1
Job Separator	JS-730	TEST-1
	JS-731	TEST-1
Bridge	AK-730	TEST-1
Printer NIC	IB-50	TEST-1
FAX Kit	FAX System (V)	TEST-1

This test was applied as follows.

<i>Frequency</i>	<i>Limit</i>	<i>Result</i>
30 - 230 MHz	30dB	Pass
230 - 1000 MHz	37dB	Pass

We entrusted this test to Tokin EMC Engineering Co., Ltd.
See the attached documents for details.

EN55022/2006

Conducted Interference Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 3500i / 4500i / 5500i	TEST-1
Paper Feeder	PF-730	TEST-1
	PF-740	TEST-1
Side Paper Feeder	PF-770	TEST-1
Document Processor	DP-770	TEST-1
	DP-771	TEST-1
Finisher	DF-770	TEST-1
	DF-790	TEST-1
Punch Unit	PH-7C / PH-7D	TEST-1
Booklet Folder	BF-730	TEST-1
Mulch Tray	MT-730	TEST-1
Job Separator	JS-730	TEST-1
	JS-731	TEST-1
Bridge	AK-730	TEST-1
Printer NIC	IB-50	TEST-1
FAX Kit	FAX System (V)	TEST-1

This test was applied as follows.

(AC Line)

<i>Frequency</i>	<i>Limit</i>	<i>Result</i>
0.15 - 0.5 MHz	66 - 56dB; Quasi-Peak 56 - 46dB; Average	Pass
0.5 - 5 MHz	56dB; Quasi-Peak 46dB; Average	Pass
5 - 30 MHz	60dB; Quasi-Peak 50dB; Average	Pass

(Telecommunication Line)

<i>Frequency</i>	<i>Current Limit</i>	<i>Result</i>
0.15 - 0.5 MHz	40 - 30dB; Quasi-Peak 30 - 20dB; Average	Pass
0.5 - 30 MHz	30dB; Quasi-Peak 20dB; Average	Pass

We entrusted this test to Tokin EMC Engineering Co., Ltd.

See the attached documents for details.

Data No. : S23111431

Shield No. / Site No. : Osaka No.2 / Osaka Big Semi AC, Osaka No.2

Date of Measurement : January 29 / February 03, 04, 2011

Temperature : 15 / 15, 17 degree C

Humidity : 44 / 31, 37 %

Manufacturer : KYOCERA MITA CORPORATION

Category : EN55022: 2006 Class B

Equipment Under Test : MFP

Model Name : TASKalfa 5500i

Serial No. : TEST-1

Power Supply

Voltage : AC 230V

Current : - A

Frequency : 50 Hz

承認	担当	担当
福田	廣田	井上

TEST INSTRUMENTATION USED

< Conducted Emission Measurement >

(モデル名/シリアル№./製造者/管理番号/校正日/校正有効期限)

Field Strength Meter (ESCI/100706/Rohde&Schwarz/RE065/10 Aug.'10/Aug.'11)
 L.I.S.N..... (KNW-408/8-915-4/Kyoritsu/LI024/03 Dec.'10/Oct.'11)
 2nd L.I.S.N..... (PN-T22/9402/Tokin/LI050/08 Dec.'10/Dec.'11)
 Spectrum Analyzer..... (E4401B/MY41440368/Agilent Technologies/
 SP054/24 Jan.'11/Jan.'12)
 Coaxial Cable..... (5D-2W/---/Tokin/DK170/12 Apr.'10/Apr.'11)
 Shielded Room..... (Osaka No.2-S/Osaka No.2-S/Tokin/SA023/---/---)
 Software (EP5CE/9902044/TOYO/SW025-4/---/---)
 Software (EMC Data Calculation Program/---/SES/SW049-1/---/---)

<通信ポート測定>

Field Strength Meter (ESCI/100706/Rohde&Schwarz/RE065/10 Aug.'10/Aug.'11)
 Current Probe..... (KCT-2504/8S-2948-5/Kyoritsu/ME532/07 Jul.'10/Jul.'11)
 Coupling Network..... (T400A/25655/TESEQ/LI083/21 Jul.'10/Jul.'11)
 L.I.S.N..... (KNW-408/8-915-4/Kyoritsu/LI024/03 Dec.'10/Dec.'11)
 Spectrum Analyzer..... (E4401B/MY41440368/Agilent Technologies/
 SP054/24 Jan.'11/Jan.'12)
 Coaxial Cable..... (5D-2W/---/Tokin/DK170/12 Apr.'10/Apr.'11)
 Shielded Room..... (Osaka No.2-S/Osaka No.2-S/Tokin/SA023/---/---)
 Software (EMC Data Calculation Program/---/SW049-1/SES/---/---)
 Software (EP5CE/9902044/TOYO/SW025-4/---/---)

< Radiated Emission Measurement >

(モデル名/シリアルNo./ 製造者/ 管理番号/ 校正日/ 校正有効期限)

<30MHz to 1000MHz>

Field Strength Meter (ESCI/100706/Rohde&Schwarz/RE065/10 Aug.'10/Aug.'11)
 Biconical Antenna..... (VHA9103+BBA9106/2488/Schwarzbeck/TB013/03 Apr.'10/Apr.'11)
 Logperiodic Antenna..... (UHALP9108-A/0112/Schwarzbeck/TL016/27 May '10/May '11)
 Pre-Amplifier (8447D/2727A05820/HP/AM018/03 Apr.'10/Apr.'11)
 Spectrum Analyzer..... (E4401B/MY41440368/Agilent Technologies/
 SP054/24 Jan.'11/Jan.'12)
 Coaxial Switch Unit..... (MP59B/6100214537/Anritsu/ME279/12 Apr.'10/Apr.'11)
 Site Establishment Cable (5D-2W/---/Tokin/DKT23/08 Apr.'10/Apr.'11)
 Site Establishment Cable (5D-2W/---/Tokin/DKT24/08 Apr.'10/Apr.'11)
 Open Field Test Site..... (Osaka No.2/Osaka No.2/Tokin/SA009/08 Apr.'10/Apr.'11)
 Field Strength Meter (ESCI/100295/Rohde&Schwarz/RE060/19 Mar.'10/Mar.'11)
 Biconical Antenna..... (VHA9103/2443/Schwarzbeck/TB038/10 Apr.'10/Apr.'11)
 Logperiodic Antenna..... (UHALP9108-A/UHALP9108-A0754/Schwarzbeck/
 TL026/27 May '10/May '11)
 Pre-Amplifier (310N/261803/Sonowa instrument Co/AM037/11 Apr.'10/Apr.'11)
 Spectrum Analyzer..... (FSP40/100238/Rohde & Schwarz/SP057/21 Jul.'10/Jul.'11)
 Site Establishment Cable (10m/30-300MHz/R/Tokin/DKT43/11 Apr.'10/Apr.'11)
 Site Establishment Cable (10m/300-1000MHz/R/Tokin/DKT33/011 Apr.'10/Apr.'11)
 Semi Anechoic Chamber (Osaka Big Semi AC/Osaka Big Semi AC/Tokin/
 SA027/09 Apr.'10/Apr.'11)
 Software (EMC Data Calculation Program/---/SW049-1/SES/---/---)
 Software (EP5RE/---/TOYO/SW035-3/---/---)

<1000MHz to 5000MHz>

Field Strength Meter (ESCI/100295/Rohde&Schwarz/RE060/19 Mar.'10/Mar.'11)
 Horn Antenna..... (BBHA9120B/377/Schwarzbeck/AN039/18 Oct.'10/Oct.'11)
 Pre-amplifier (TPA0108-40/0608/TOYO/AM049/13 May '10/May '11)
 Spectrum Analyzer..... (FSP40/100238/Rohde & Schwarz/SP057/21 Jul.'10/Jul.'11)
 Coaxial Cable..... (SUCOFLEX104A/46235/4A/HUBER+SUHNER/
 DK296/17 May '10/May '11)
 Coaxial Cable..... (SUCOFLEX104A/46236/4A/HUBER+SUHNER/
 DK297/17 May '10/May '11)
 Semi Anechoic Chamber (Osaka Big Semi AC/S-VSWR/Tokin/SA034/24 Feb.'10/Feb.'11)
 Software (EP5RE/---/TOYO/SW035-3/---/---)
 Software (EMC Data Calculation Program/---/SW049-1/SES/---/---)

★TASKalfa 5500i (EN55022 Class B)

◎EUT

<i>Equipment</i>	<i>Model</i>	<i>S/N</i>	<i>System</i>		<i>Manufacturer</i>
			<i>A</i>	<i>B</i>	
MFP	TASKalfa 5500i	TEST-1	●	●	Kyocera Mita
Document Processor	DP-771	TEST-1	●		Kyocera Mita
	DP-770	TEST-1		●	Kyocera Mita
Paper Feeder	PF-730	TEST-1		●	Kyocera Mita
	PF-740	TEST-1	●		Kyocera Mita
Job Separator	JS-731	TEST-1	●	●	Kyocera Mita
A4 Side Deck	PF-770	TEST-1	●	●	Kyocera Mita
Bridge	AK-730	TEST-1	●	●	Kyocera Mita
Document Finisher	DF-770	TEST-1		●	Kyocera Mita
	DF-790	TEST-1	●		Kyocera Mita
Multi Tray	MT-730	TEST-1	●		Kyocera Mita
Booklet Folder	BF-730	TEST-1	●		Kyocera Mita
Punch Unit	PH-7C,D	TEST-1	●	●	Kyocera Mita
FAX Kit	FAX System (V)	TEST-1	●	●	Kyocera Mita
Printer NIC	IB-50	TEST-1	●		Kyocera Mita
PC	PC-MY30VEZE3	79007631A	●	●	NEC
HUB	CentreCOM GS908L V2	007673G101702103 E1	●	●	Allied Telesis
FAX Simulator	X-1008	001091	●	●	Ad Systems
FAX	FS-3140MFP	SPL0203997	●	●	Kyocera Mita
Telephone	TE-202	8100758A	●	●	TAKACHIHO

◎Operation Modes

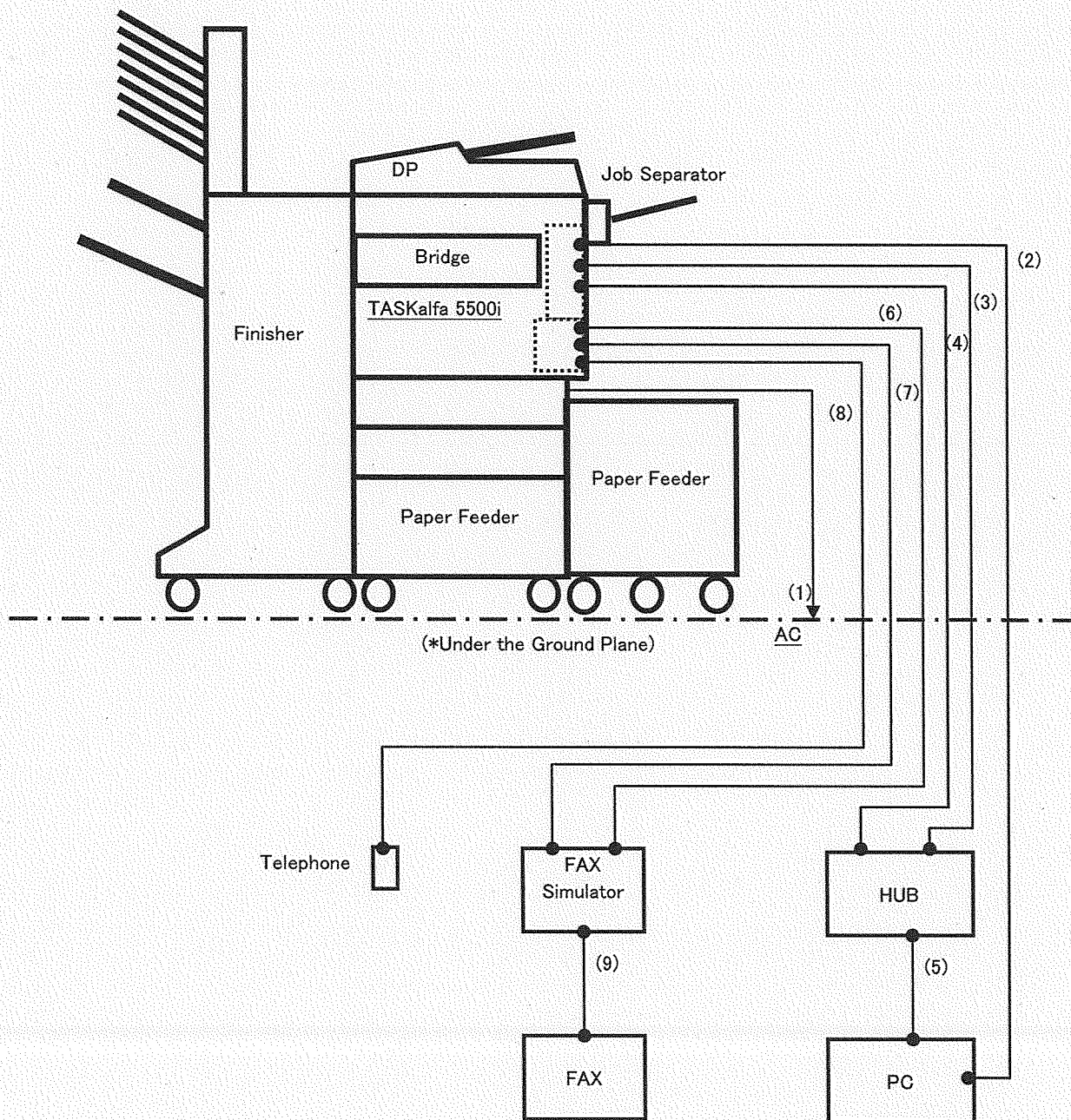
<i>No.</i>	<i>Operation Mode</i>	<i>System</i>	<i>Rad.EMI</i>	<i>Con.EMI</i>
①	Standby	A	○	○
②	Copy + LAN Print (Option NIC)	A	○	○
③	USB Print + FAX TX	B	○	○
④	LAN Print (On Board) + FAX RX	B	○	○
⑤	LAN Print (On Board) (Telecommunication Ports)	A	---	○
⑥	LAN Print (Option NIC) (Telecommunication Ports)	A	---	○
⑦	FAX TX (Main Port) (Telecommunication Ports)	B	---	○
⑧	FAX RX (Sub Port) (Telecommunication Ports)	B	---	○
⑨	Copy (1GHz-5GHz)	B	○	---

◎Connected Cable / Cord

<i>No.</i>	<i>Cable / Cord</i>	<i>Length</i>	<i>Core</i>	<i>Shielded</i>	<i>Connector</i>
1	MFP Power Cord	2.5 m	---	---	Resinous
2	USB Cable	5 m	---	○	Metallic
3	LAN Cable(On Board) for Printer	10 m	---	○	Metallic
4	LAN Cable(Optional) for Printer	10 m	---	○	Metallic
5	LAN Cable for PC	1 m	---	○	Metallic
6	Telephone Cord for FAX Kit (Main Port)	7 m	---	---	Resinous
7	Telephone Cord for FAX Kit (Sub Port)	7 m	---	---	Resinous
8	Telephone Cord for Telephone	7 m	---	---	Resinous
9	Telephone Cord for FAX	1 m	---	---	Resinous

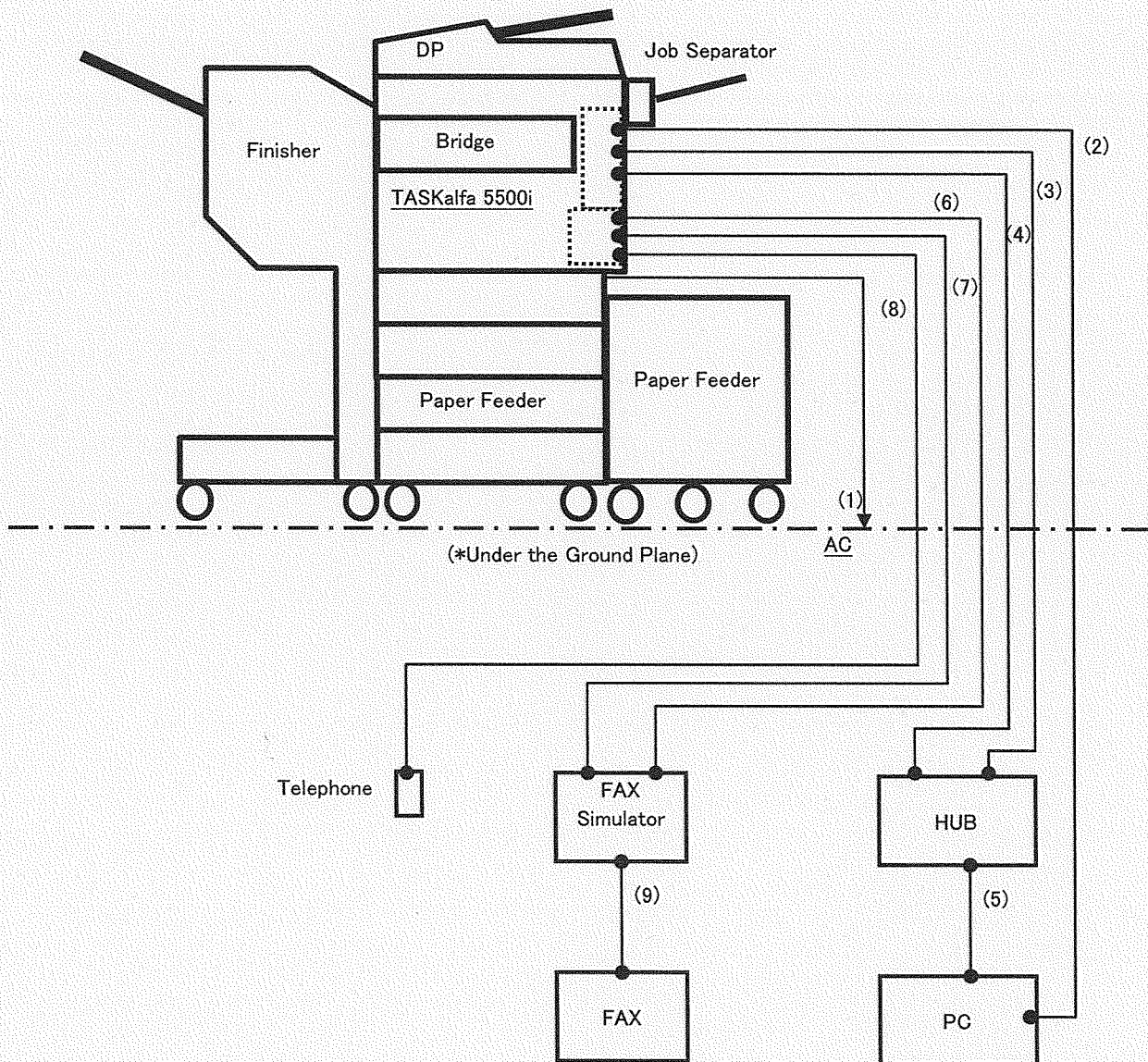
©Equipment Connection Figure

System A



©Equipment Connection Figure

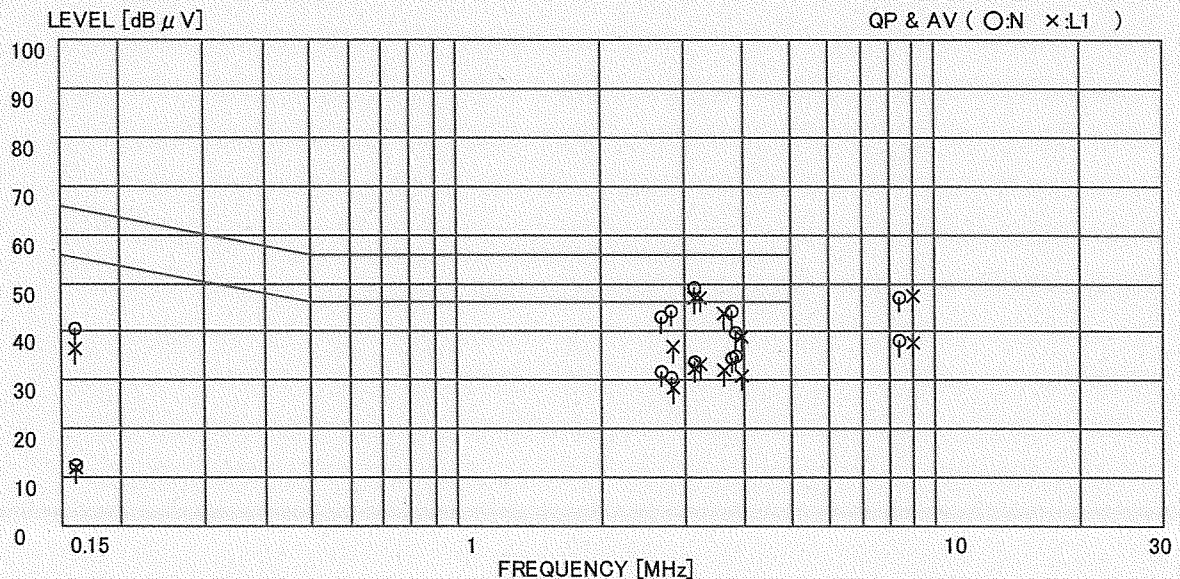
System B



雑音端子電圧試験結果 (QP: 準尖頭値, AV: 平均値)

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: Standby Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: A

	Frequency (MHz)	Level		Total Factor (dB)	Result		Limit		Margin	
		QP (dBμV)	AV (dBμV)		QP (dBμV)	AV (dBμV)	QP (dBμV)	AV (dBμV)	QP (dB)	AV (dB)
N-E	0.160	30.1	2.4	10.3	40.4	12.7	65.7	55.7	25.3	43.0
	2.692	32.7	21.6	10.2	42.9	31.8	56.0	46.0	13.1	14.2
	2.809	34.1	20.5	10.2	44.3	30.7	56.0	46.0	11.7	15.3
	3.149	38.7	23.4	10.2	48.9	33.6	56.0	46.0	7.1	12.4
	3.759	33.8	24.4	10.3	44.1	34.7	56.0	46.0	11.9	11.3
	3.860	29.5	24.8	10.3	39.8	35.1	56.0	46.0	16.2	10.9
	8.430	36.6	27.7	10.4	47.0	38.1	60.0	50.0	13.0	11.9
L1-E	0.160	26.0	1.6	10.4	36.4	12.0	65.7	55.7	29.3	43.7
	2.836	26.5	18.2	10.3	36.8	28.5	56.0	46.0	19.2	17.5
	3.143	36.7	22.4	10.3	47.0	32.7	56.0	46.0	9.0	13.3
	3.247	36.8	22.9	10.3	47.1	33.2	56.0	46.0	8.9	12.8
	3.649	33.3	21.7	10.3	43.6	32.0	56.0	46.0	12.4	14.0
	3.958	28.8	20.8	10.3	39.1	31.1	56.0	46.0	16.9	14.9
	9.015	36.8	27.4	10.5	47.3	37.9	60.0	50.0	12.7	12.1



Tested by

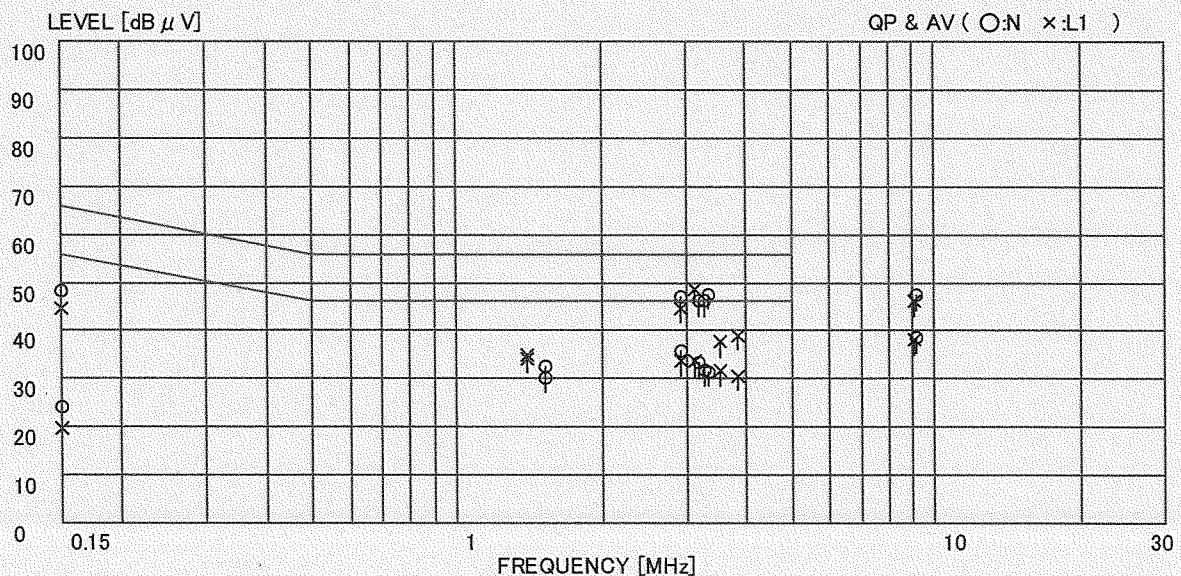
a. Inoue

Akihisa Inoue, Engineer

雑音端子電圧試験結果 (QP: 準尖頭値 , AV: 平均値)

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: Copy + LAN Print (Option NIC) Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: A

	Frequency (MHz)	Level		Total Factor (dB)	Result		Limit		Margin	
		QP (dBμV)	AV (dBμV)		QP (dBμV)	AV (dBμV)	QP (dBμV)	AV (dBμV)	QP (dB)	AV (dB)
N-E	0.150	38.0	14.0	10.4	48.4	24.4	66.0	56.0	17.6	31.6
	1.521	22.4	20.1	10.2	32.6	30.3	56.0	46.0	23.4	15.7
	2.927	36.9	25.4	10.2	47.1	35.6	56.0	46.0	8.9	10.4
	3.190	35.9	23.0	10.2	46.1	33.2	56.0	46.0	9.9	12.8
	3.278	35.9	21.4	10.2	46.1	31.6	56.0	46.0	9.9	14.4
	3.333	37.2	21.3	10.2	47.4	31.5	56.0	46.0	8.6	14.5
	9.193	36.8	28.0	10.4	47.2	38.4	60.0	50.0	12.8	11.6
L1-E	0.150	34.0	9.3	10.4	44.4	19.7	66.0	56.0	21.6	36.3
	1.404	24.6	24.1	10.2	34.8	34.3	56.0	46.0	21.2	11.7
	2.930	34.5	23.4	10.3	44.8	33.7	56.0	46.0	11.2	12.3
	3.133	38.2	23.3	10.3	48.5	33.6	56.0	46.0	7.5	12.4
	3.535	27.3	21.4	10.3	37.6	31.7	56.0	46.0	18.4	14.3
	3.837	28.7	20.3	10.3	39.0	30.6	56.0	46.0	17.0	15.4
	9.089	35.6	27.6	10.5	46.1	38.1	60.0	50.0	13.9	11.9



Tested by

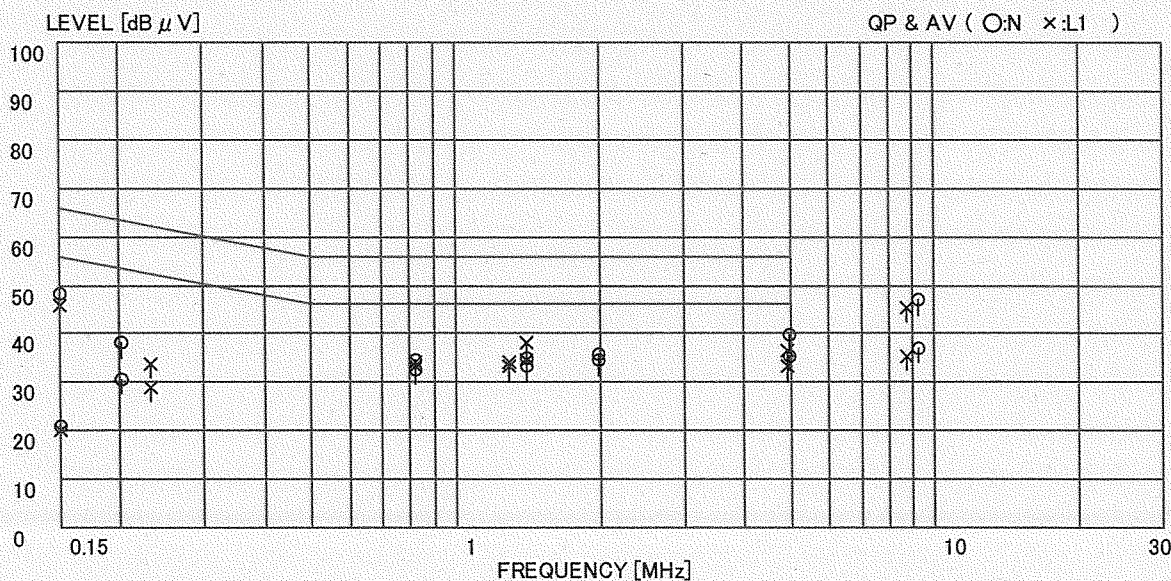
A. Inoue

Akihisa Inoue, Engineer

雑音端子電圧試験結果 (QP: 準尖頭値 , AV: 平均値)

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: USB Print + FAX TX Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: B

	Frequency (MHz)	Level		Total Factor (dB)	Result		Limit		Margin	
		QP (dBμV)	AV (dBμV)		QP (dBμV)	AV (dBμV)	QP (dBμV)	AV (dBμV)	QP (dB)	AV (dB)
N-E	0.150	37.8	10.7	10.4	48.2	21.1	66.0	56.0	17.8	34.9
	0.201	27.9	20.4	10.3	38.2	30.7	64.5	54.5	26.3	23.8
	0.819	24.4	22.6	10.2	34.6	32.8	56.0	46.0	21.4	13.2
	1.406	24.7	23.2	10.2	34.9	33.4	56.0	46.0	21.1	12.6
	1.990	25.7	24.2	10.2	35.9	34.4	56.0	46.0	20.1	11.6
	4.939	29.5	25.3	10.3	39.8	35.6	56.0	46.0	16.2	10.4
	9.269	36.4	26.7	10.4	46.8	37.1	60.0	50.0	13.2	12.9
L1-E	0.150	35.4	9.9	10.4	45.8	20.3	66.0	56.0	20.2	35.7
	0.233	23.5	18.7	10.3	33.8	29.0	63.6	53.6	29.8	24.6
	0.819	24.0	23.1	10.2	34.2	33.3	56.0	46.0	21.8	12.7
	1.287	24.0	23.1	10.2	34.2	33.3	56.0	46.0	21.8	12.7
	1.406	27.8	24.5	10.2	38.0	34.7	56.0	46.0	18.0	11.3
	4.929	26.4	22.9	10.3	36.7	33.2	56.0	46.0	19.3	12.8
	8.756	35.1	25.1	10.5	45.6	35.6	60.0	50.0	14.4	14.4



Tested by

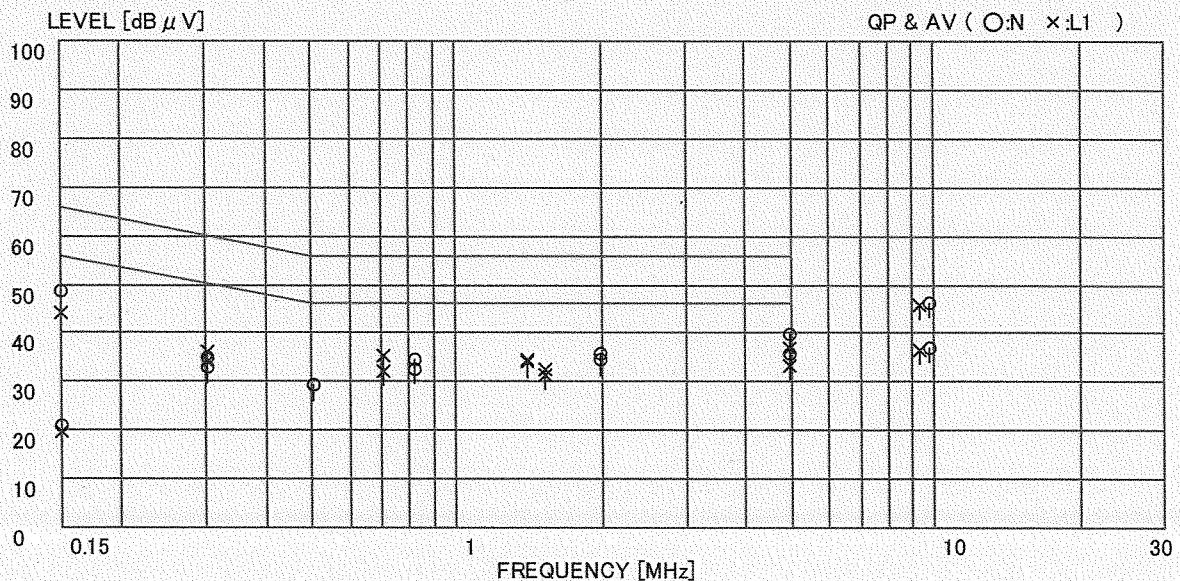
a. Inoue

Akihisa Inoue, Engineer

雑音端子電圧試験結果 (QP: 準尖頭値 , AV: 平均値)

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: LAN Print (On Board) + FAX RX Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: B

	Frequency (MHz)	Level		Total Factor (dB)	Result		Limit		Margin	
		QP (dBμV)	AV (dBμV)		QP (dBμV)	AV (dBμV)	QP (dBμV)	AV (dBμV)	QP (dB)	AV (dB)
N-E	0.150	38.1	10.8	10.4	48.5	21.2	66.0	56.0	17.5	34.8
	0.303	24.6	22.6	10.2	34.8	32.8	61.6	51.6	26.8	18.8
	0.504	19.4	19.1	10.2	29.6	29.3	56.0	46.0	26.4	16.7
	0.819	24.5	22.6	10.2	34.7	32.8	56.0	46.0	21.3	13.2
	1.990	25.6	24.3	10.2	35.8	34.5	56.0	46.0	20.2	11.5
	4.946	29.5	25.5	10.3	39.8	35.8	56.0	46.0	16.2	10.2
	9.792	35.9	26.7	10.4	46.3	37.1	60.0	50.0	13.7	12.9
L1-E	0.150	33.8	9.3	10.4	44.2	19.7	66.0	56.0	21.8	36.3
	0.302	26.1	23.9	10.3	36.4	34.2	61.7	51.7	25.3	17.5
	0.704	25.0	22.0	10.2	35.2	32.2	56.0	46.0	20.8	13.8
	1.405	24.3	23.9	10.2	34.5	34.1	56.0	46.0	21.5	11.9
	1.522	22.5	21.3	10.3	32.8	31.6	56.0	46.0	23.2	14.4
	4.946	26.6	23.1	10.3	36.9	33.4	56.0	46.0	19.1	12.6
	9.286	35.4	26.3	10.5	45.9	36.8	60.0	50.0	14.1	13.2



Tested by

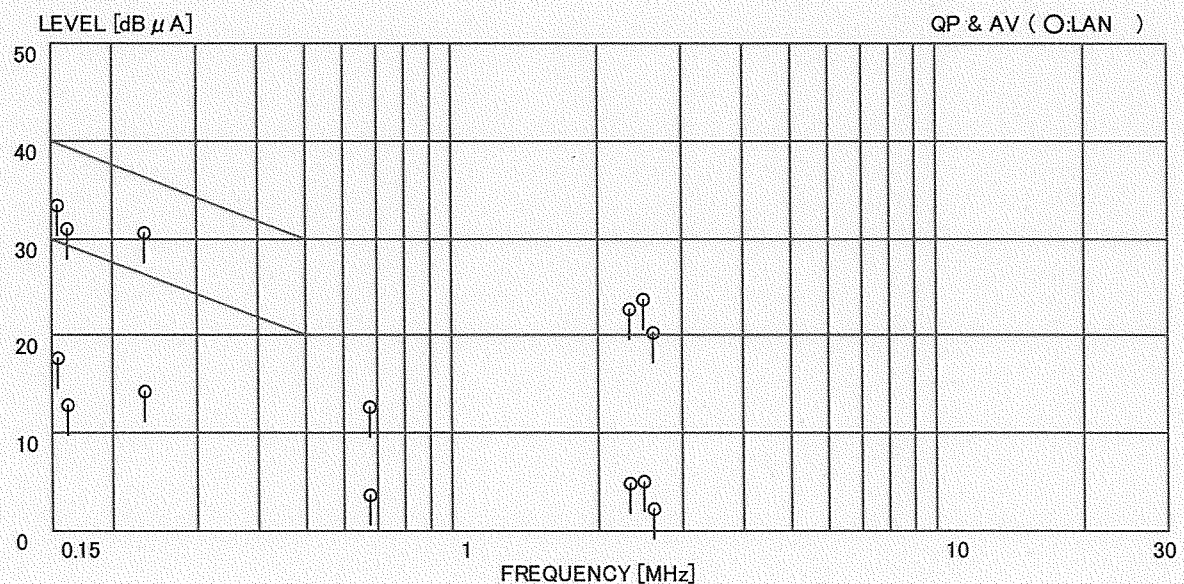
A. Inoue

Akihisa Inoue, Engineer

雑音端子電圧試験結果 (QP: 準尖頭値 , AV: 平均値) — 通信ポート測定 —

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: LAN Print (On Board)(Telecommunication Ports) Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: A

	Frequency (MHz)	Level		Total Factor (dB)	Result		Limit		Margin	
		QP (dBμV)	AV (dBμV)		QP (dBμA)	AV (dBμA)	QP (dBμA)	AV (dBμA)	QP (dB)	AV (dB)
LAN	0.155	33.2	17.6	0.2	33.4	17.8	39.7	29.7	6.3	11.9
	0.162	30.7	12.8	0.2	30.9	13.0	39.4	29.4	8.5	16.4
	0.234	30.4	14.2	0.2	30.6	14.4	36.3	26.3	5.7	11.9
	0.678	12.4	3.5	0.2	12.6	3.7	30.0	20.0	17.4	16.3
	2.327	22.4	4.6	0.3	22.7	4.9	30.0	20.0	7.3	15.1
	2.489	23.5	4.8	0.3	23.8	5.1	30.0	20.0	6.2	14.9
	2.618	20.0	2.0	0.3	20.3	2.3	30.0	20.0	9.7	17.7



Tested by

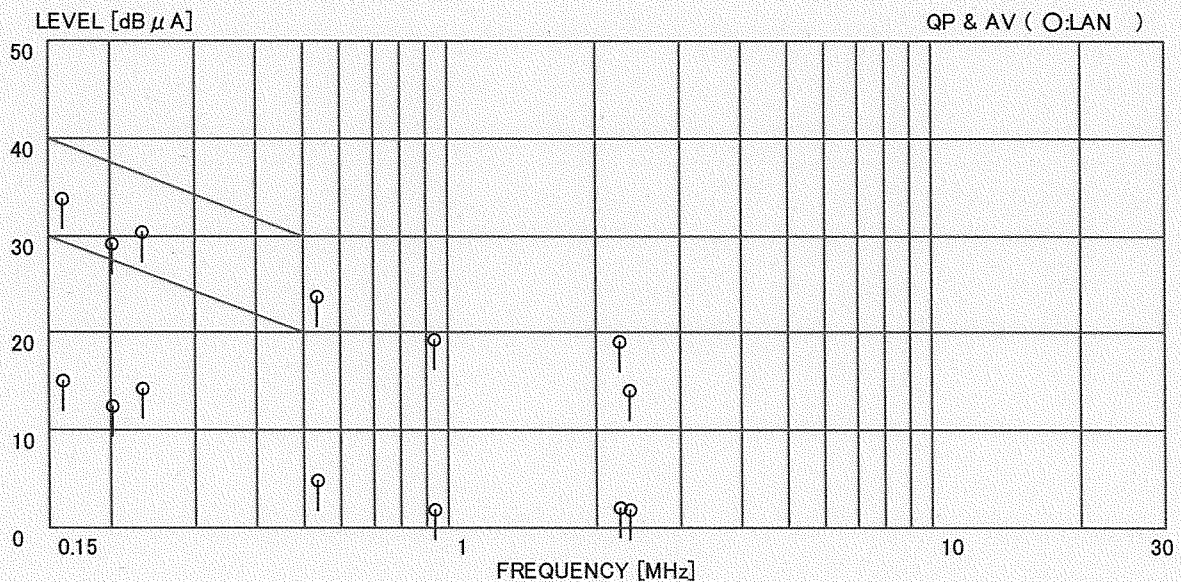
a. Inoue

Akihisa Inoue, Engineer

雑音端子電圧試験結果 (QP: 準尖頭値 , AV: 平均値) — 通信ポート測定 —

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: LAN Print (Option: NIC)(Telecommunication Ports) Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: A

	Frequency (MHz)	Level		Total Factor (dB)	Result		Limit		Margin	
		QP (dBμV)	AV (dBμV)		QP (dBμA)	AV (dBμA)	QP (dBμA)	AV (dBμA)	QP (dB)	AV (dB)
LAN	0.160	33.5	15.0	0.2	33.7	15.2	39.5	29.5	5.8	14.3
	0.203	29.0	12.3	0.2	29.2	12.5	37.5	27.5	8.3	15.0
	0.234	30.2	14.1	0.2	30.4	14.3	36.3	26.3	5.9	12.0
	0.533	23.6	4.6	0.2	23.8	4.8	30.0	20.0	6.2	15.2
	0.932	19.1	1.7	0.2	19.3	1.9	30.0	20.0	10.7	18.1
	2.246	18.8	1.8	0.2	19.0	2.0	30.0	20.0	11.0	18.0
	2.350	13.8	1.6	0.3	14.1	1.9	30.0	20.0	15.9	18.1



Tested by

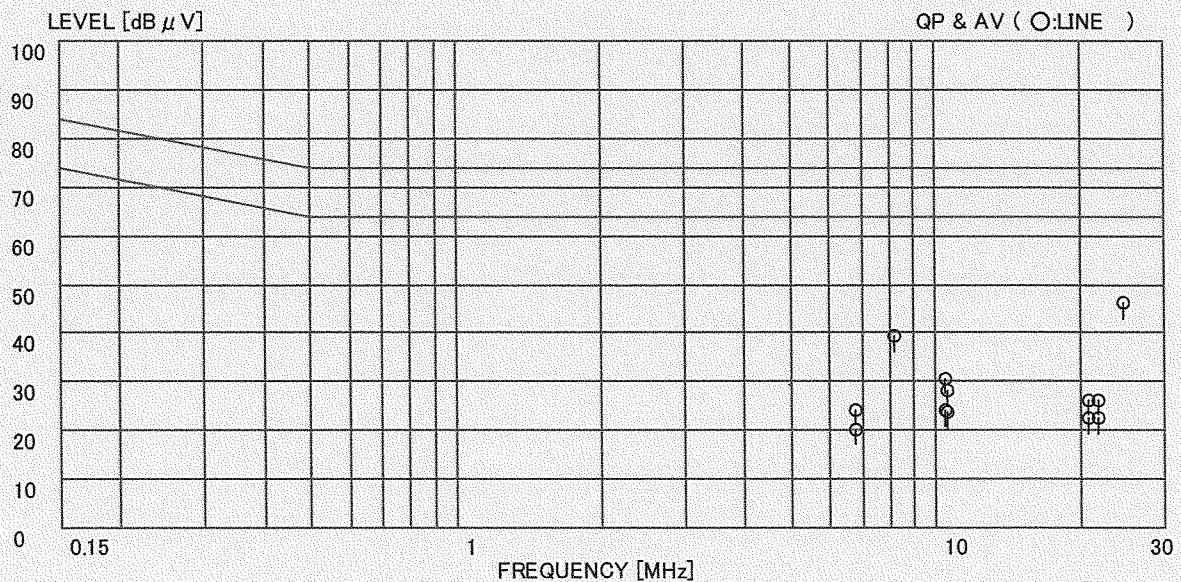
A. Inoue

Akihisa Inoue, Engineer

雑音端子電圧試験結果 (QP: 準尖頭値 , AV: 平均値) — 通信ポート測定 —

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: FAX TX (Main Port)(Telecommunication Ports) Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: B

	Frequency (MHz)	Level		Total Factor (dB)	Result		Limit		Margin	
		QP (dBμV)	AV (dBμV)		QP (dBμV)	AV (dBμV)	QP (dBμV)	AV (dBμV)	QP (dB)	AV (dB)
LINE	6.790	14.5	10.5	9.7	24.2	20.2	74.0	64.0	49.8	43.8
	8.191	29.5	29.5	9.8	39.3	39.3	74.0	64.0	34.7	24.7
	10.419	20.8	14.2	9.8	30.6	24.0	74.0	64.0	43.4	40.0
	10.537	18.5	13.8	9.8	28.3	23.6	74.0	64.0	45.7	40.4
	20.745	16.0	12.2	10.3	26.3	22.5	74.0	64.0	47.7	41.5
	21.760	15.9	12.0	10.4	26.3	22.4	74.0	64.0	47.7	41.6
	24.576	35.6	35.6	10.5	46.1	46.1	74.0	64.0	27.9	17.9



Tested by

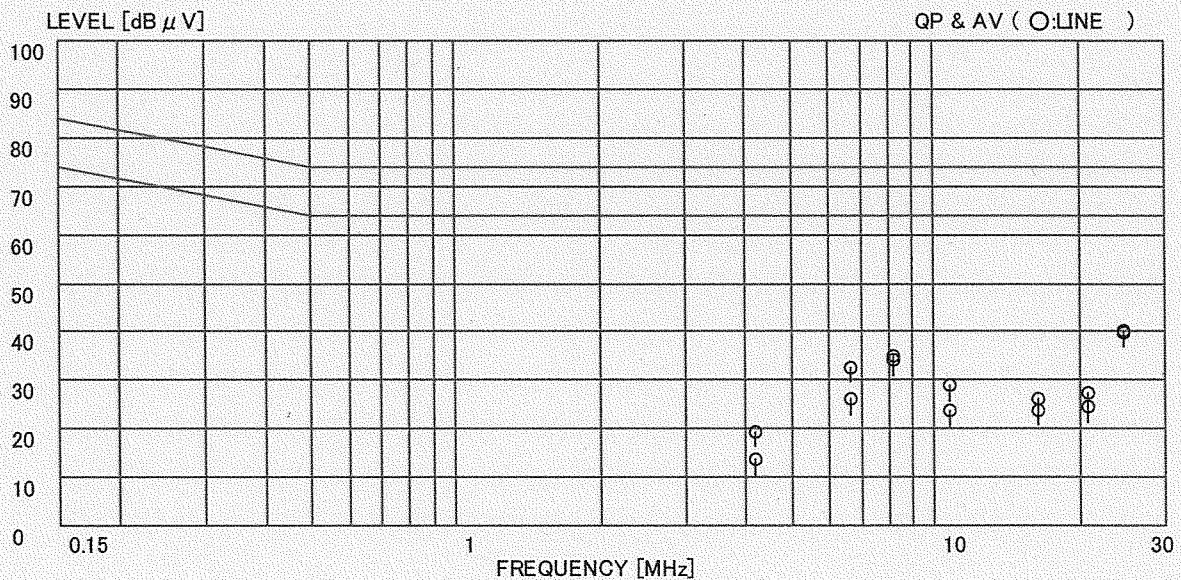
A. Inoue

Akihisa Inoue, Engineer

雑音端子電圧試験結果 (QP: 準尖頭値 , AV: 平均値) — 通信ポート測定 —

Model name: TASKalfa 5500i Date of measurement: January 29, 2011
Operating mode: FAX RX (Sub Port)(Telecommunication Ports) Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 44 %
Tested condition: Power input 1phase AC230V System: B

LINE	Frequency	Level		Total	Result		Limit		Margin	
		QP	AV	Factor	QP	AV	QP	AV	QP	AV
	(MHz)	(dBμV)		(dB)	(dBμV)		(dBμV)		(dB)	
	4.176	9.8	4.0	9.7	19.5	13.7	74.0	64.0	54.5	50.3
	6.673	22.9	16.3	9.7	32.6	26.0	74.0	64.0	41.4	38.0
	8.191	25.2	24.3	9.8	35.0	34.1	74.0	64.0	39.0	29.9
	10.770	19.0	13.8	9.8	28.8	23.6	74.0	64.0	45.2	40.4
	16.384	16.0	13.9	10.0	26.0	23.9	74.0	64.0	48.0	40.1
	20.839	17.2	14.1	10.3	27.5	24.4	74.0	64.0	46.5	39.6
	24.576	29.7	29.4	10.5	40.2	39.9	74.0	64.0	33.8	24.1



Tested by

a. Inoue

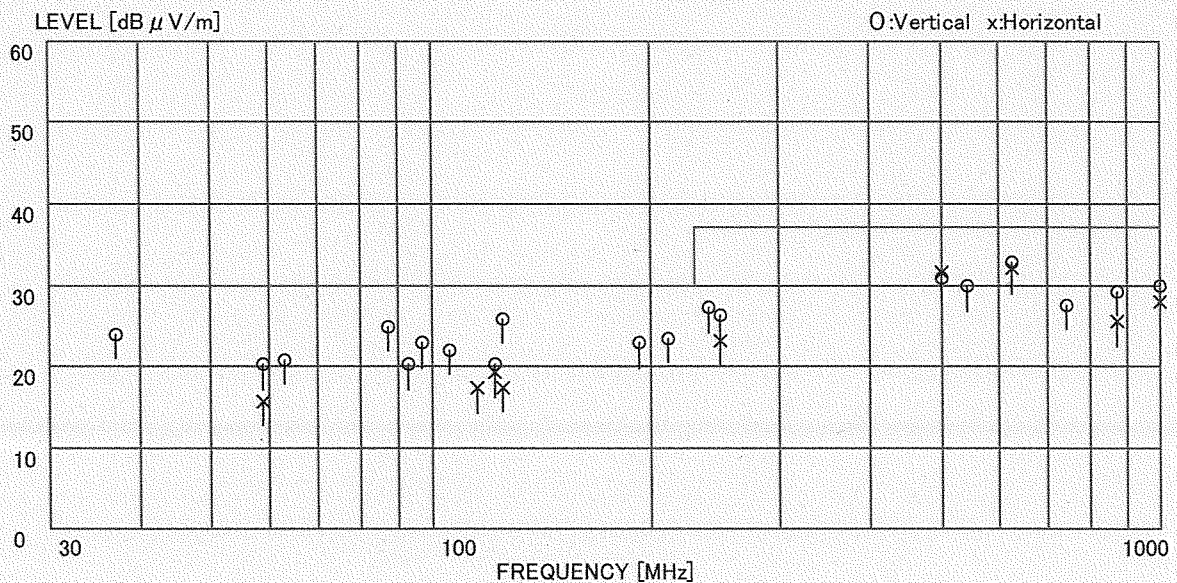
Akihisa Inoue, Engineer

雑音電界強度試験結果 (QP: 準尖頭値)

Model name: TASKalfa 5500i
Operating mode: Standby
Test procedure: EN55022:2006 Class B
Tested condition: Power input 1phase AC230V

Date of measurement: February 04, 2011
Temperature: 15 degree C
Humidity: 31 %
System: A

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		10m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor. (dBμV)				Ver. (dBμV/m)	Hor. (dBμV/m)		Ver. (dB)	Hor. (dB)
36.99	32.8		7.8	-32.6	15.9	23.9		30.0	6.1	
59.00	36.5	32.0	8.2	-32.6	8.1	20.2	15.7	30.0	9.8	14.3
63.08	37.8		8.3	-32.6	7.3	20.8		30.0	9.2	
87.50	40.7		8.7	-32.5	8.1	25.0		30.0	5.0	
93.08	35.0		8.8	-32.5	8.9	20.2		30.0	9.8	
96.92	37.0		8.8	-32.5	9.6	22.9		30.0	7.1	
105.59	34.8		9.0	-32.6	10.8	22.0		30.0	8.0	
115.45		28.7	9.1	-32.5	12.1		17.4	30.0		12.6
121.93	30.7	29.7	9.2	-32.5	12.8	20.2	19.2	30.0	9.8	10.8
125.01	35.9	27.5	9.2	-32.5	13.2	25.8	17.4	30.0	4.2	12.6
192.47	28.6		10.0	-32.5	16.6	22.7		30.0	7.3	
211.16	28.7		10.2	-32.4	16.9	23.4		30.0	6.6	
240.00	31.3		10.5	-32.4	17.7	27.1		37.0	9.9	
250.00	30.1	27.0	10.7	-32.4	18.0	26.4	23.3	37.0	10.6	13.7
500.02	38.4	39.0	6.9	-32.4	18.1	31.0	31.6	37.0	6.0	5.4
542.20	36.3		7.1	-32.4	18.8	29.8		37.0	7.2	
625.04	37.7	36.8	7.7	-32.5	20.0	32.9	32.0	37.0	4.1	5.0
742.75	31.0		8.4	-32.7	20.8	27.5		37.0	9.5	
875.04	30.0	26.3	9.2	-32.0	22.0	29.2	25.5	37.0	7.8	11.5
1000.00	27.3	25.2	10.0	-31.1	23.8	30.0	27.9	37.0	7.0	9.1



Tested by

Ryota

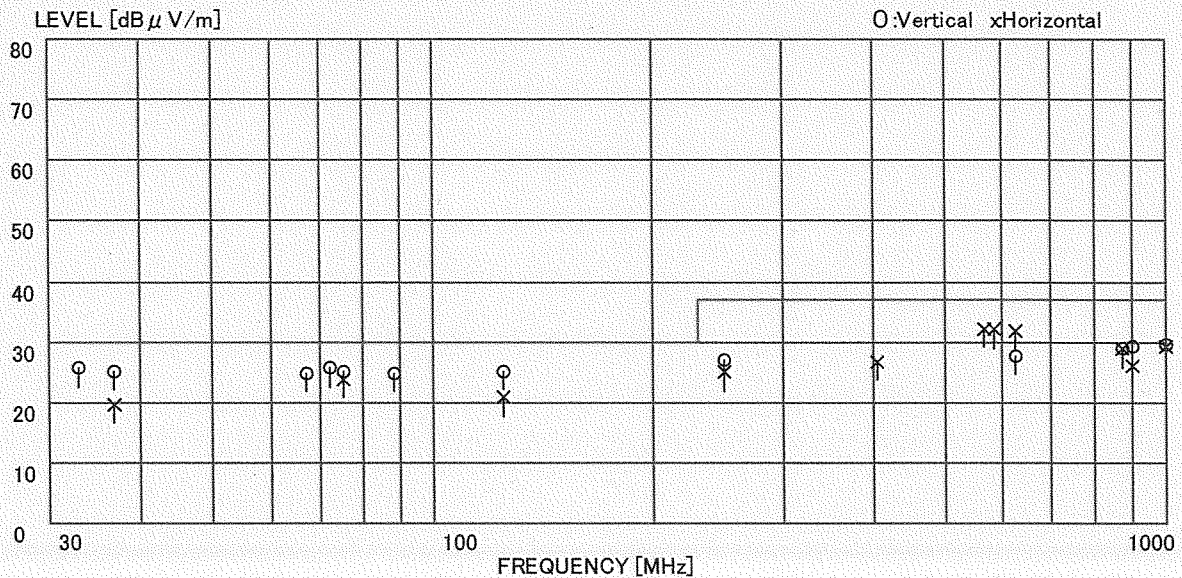
Ryosuke Hirota, Engineer

雑音電界強度試験結果 (QP: 準尖頭値)

Model name: TASKalfa 5500i Date of measurement: February 03, 2011
Operating mode: Copy + LAN Print (Option NIC) Temperature: 17 degree C
Test procedure: EN55022:2006 Class B Humidity: 37 %
Tested condition: Power input 1phase AC230V System: A

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		10m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor.				Ver. (dBμV/m)	Hor.		Ver. (dB)	Hor.
32.99	35.2		1.5	-27.8	16.8	25.7		30.0	4.3	
36.87	35.5	30.0	1.5	-27.8	15.9	25.1	19.6	30.0	4.9	10.4
67.06	44.0		1.9	-27.7	6.7	24.9		30.0	5.1	
72.09	45.0		1.9	-27.7	6.5	25.7		30.0	4.3	
75.18	44.2	43.0	2.0	-27.7	6.7	25.2	24.0	30.0	4.8	6.0
88.58	42.3		2.1	-27.7	8.2	24.9		30.0	5.1	
125.00	36.9	32.6	2.5	-27.6	13.3	25.1	20.8	30.0	4.9	9.2
250.00	32.7	30.7	3.5	-27.1	17.9	27.0	25.0	37.0	10.0	12.0
402.59		33.8	4.4	-28.0	16.6		26.8	37.0		10.2
566.05		36.5	5.3	-28.7	19.1		32.2	37.0		4.8
584.20		36.0	5.4	-28.7	19.3		32.0	37.0		5.0
625.02	30.9	35.0	5.6	-28.6	19.8	27.7	31.8	37.0	9.3	5.2
875.02	28.0	28.1	6.7	-28.0	22.1	28.8	28.9	37.0	8.2	8.1
900.02	27.7	24.7	6.9	-27.9	22.5	29.2	26.2	37.0	7.8	10.8
1000.00	26.8	26.5	7.2	-27.7	23.4	29.7	29.4	37.0	7.3	7.6

* 875MHz (垂直) は暗ノイズレベルが高いため3m法で測定した値を10m換算した値で測定する。



Tested by

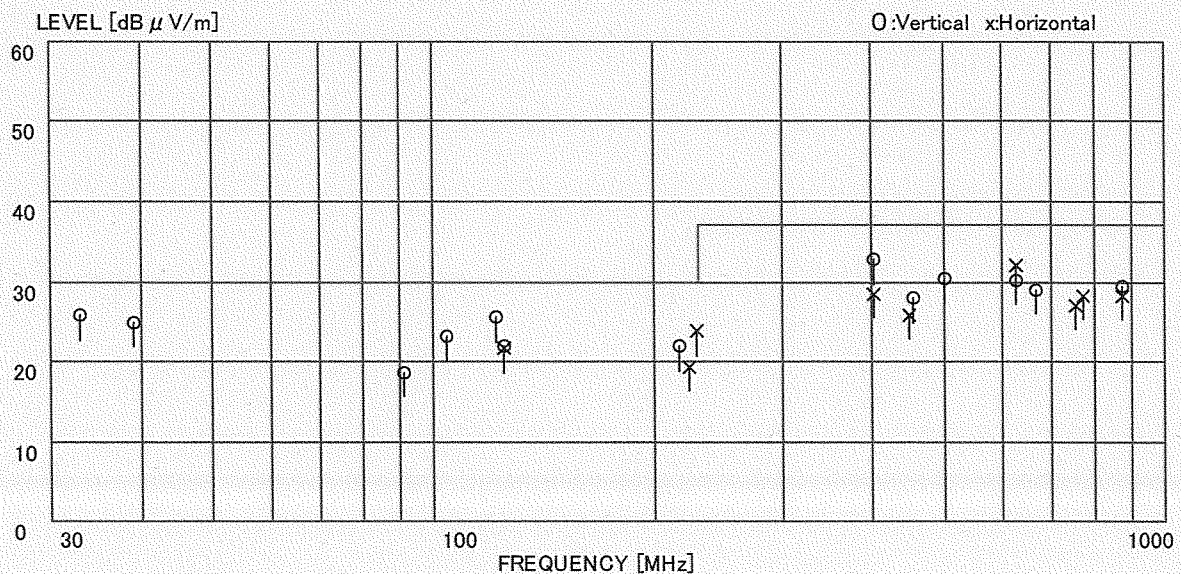
a. Inoue

Akihisa Inoue, Engineer

雑音電界強度試験結果 (QP: 準尖頭値)

Model name: TASKalfa 5500i Date of measurement: February 04, 2011
Operating mode: USB Print + FAX TX Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 31 %
Tested condition: Power input 1phase AC230V System: B

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		10m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor.				Ver. (dBμV/m)	Hor.		Ver. (dB)	Hor. (dB)
33.00	33.8		7.7	-32.6	16.9	25.8		30.0	4.2	
38.84	34.2		7.8	-32.6	15.5	24.9		30.0	5.1	
91.55	33.7		8.8	-32.5	8.7	18.7		30.0	11.3	
104.47	36.0		9.0	-32.5	10.7	23.2		30.0	6.8	
122.01	36.0		9.2	-32.5	12.9	25.6		30.0	4.4	
125.01	32.0	31.7	9.2	-32.5	13.2	21.9	21.6	30.0	8.1	8.4
216.70	27.0		10.3	-32.5	17.1	21.9		30.0	8.1	
223.70		24.2	10.4	-32.5	17.3		19.4	30.0		10.6
228.70		28.4	10.4	-32.5	17.4		23.7	30.0		6.3
400.93	42.1	38.0	6.3	-32.4	16.7	32.7	28.6	37.0	4.3	8.4
449.55		34.2	6.6	-32.4	17.4		25.8	37.0		11.2
453.38	36.2		6.7	-32.4	17.5	28.0		37.0	9.0	
500.03	37.7		6.9	-32.4	18.1	30.3		37.0	6.7	
625.02	35.0	36.8	7.7	-32.5	20.0	30.2	32.0	37.0	6.8	5.0
666.66	33.1		7.9	-32.6	20.6	29.0		37.0	8.0	
754.85		30.3	8.5	-32.5	20.8		27.1	37.0		9.9
771.95		31.3	8.6	-32.4	20.7		28.2	37.0		8.8
875.03	30.2	29.0	9.2	-32.0	22.0	29.4	28.2	37.0	7.6	8.8



Tested by

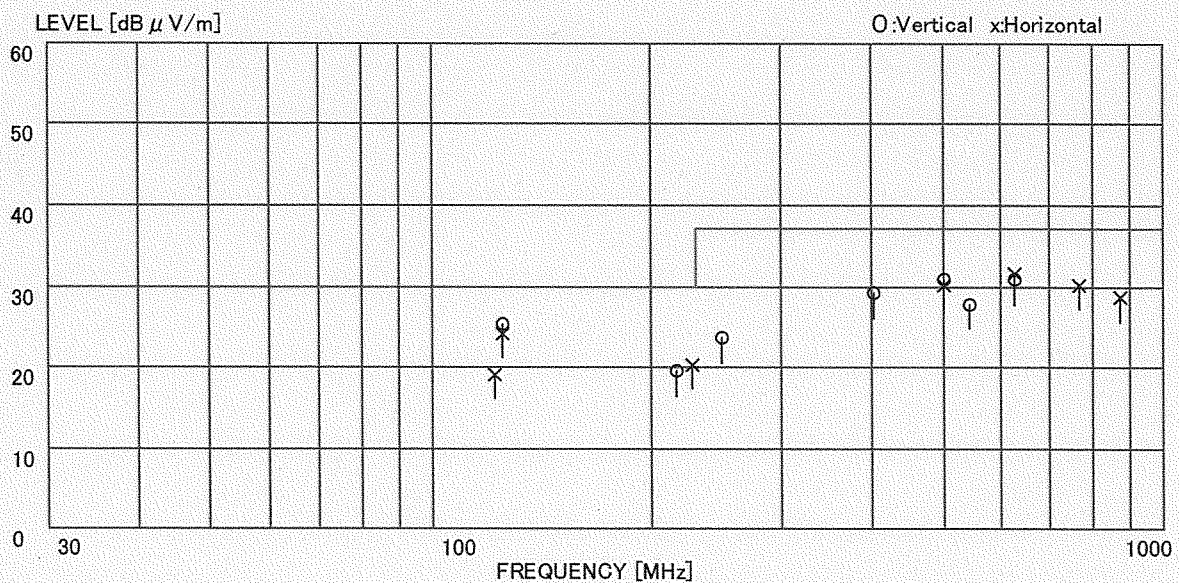
Ryosuke Hirota

Ryosuke Hirota, Engineer

雑音電界強度試験結果 (QP: 準尖頭値)

Model name: TASKalfa 5500i Date of measurement: February 04, 2011
Operating mode: LAN Print (On Board) + FAX RX Temperature: 15 degree C
Test procedure: EN55022:2006 Class B Humidity: 31 %
Tested condition: Power input 1phase AC230V System: B

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		10m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor. (dBμV)				Ver. (dBμV/m)	Hor. (dBμV/m)		Ver. (dB)	Hor. (dB)
122.00		29.6	9.2	-32.5	12.9		19.2	30.0		10.8
125.00	35.3	34.2	9.2	-32.5	13.2	25.2	24.1	30.0	4.8	5.9
216.70	24.5		10.3	-32.5	17.1	19.4		30.0	10.6	
227.03		25.0	10.4	-32.5	17.4		20.3	30.0		9.7
250.00	27.3		10.7	-32.4	18.0	23.6		37.0	13.4	
400.93	38.6		6.3	-32.4	16.7	29.2		37.0	7.8	
500.03	38.4	37.6	6.9	-32.4	18.1	31.0	30.2	37.0	6.0	6.8
542.42	34.3		7.1	-32.4	18.8	27.8		37.0	9.2	
625.02	35.6	36.3	7.7	-32.5	20.0	30.8	31.5	37.0	6.2	5.5
767.25		33.2	8.6	-32.4	20.7		30.1	37.0		6.9
875.04		29.4	9.2	-32.0	22.0		28.6	37.0		8.4



Tested by

Ryosuke Hirota

Ryosuke Hirota, Engineer

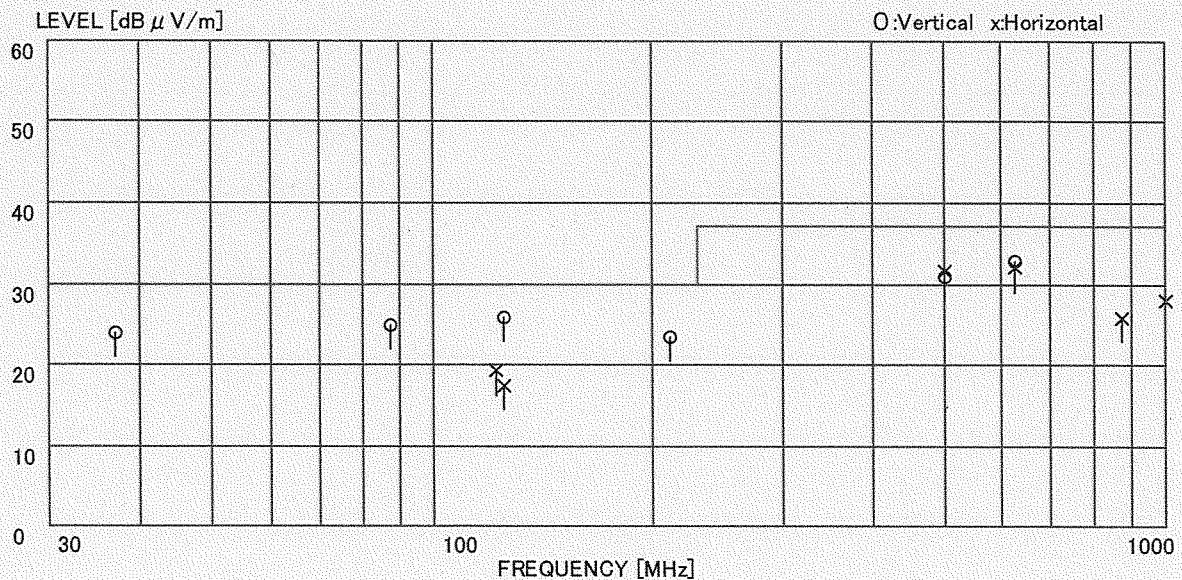
雑音電界強度試験結果 (QP: 準尖頭値)

Model name: TASKalfa 5500i
Operating mode: Standby
Test procedure: EN55022:2006 Class B
Tested condition: Power input 1phase AC230V

Date of measurement: February 04, 2011
Temperature: 15 degree C
Humidity: 31 %
System: A

- Worst Case -

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		10m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor.				Ver. (dBμV/m)	Hor.		Ver. (dB)	Hor.
36.99	32.9		7.8	-32.6	15.9	24.0		30.0	6.0	
87.50	40.7		8.7	-32.5	8.1	25.0		30.0	5.0	
121.93		29.7	9.2	-32.5	12.8		19.2	30.0		10.8
125.01	35.9	27.5	9.2	-32.5	13.2	25.8	17.4	30.0	4.2	12.6
211.16	28.7		10.2	-32.4	16.9	23.4		30.0	6.6	
500.02	38.4	39.0	6.9	-32.4	18.1	31.0	31.6	37.0	6.0	5.4
625.04	37.7	36.8	7.7	-32.5	20.0	32.9	32.0	37.0	4.1	5.0
875.04		26.6	9.2	-32.0	22.0		25.8	37.0		11.2
1000.00		25.2	10.0	-31.1	23.8		27.9	37.0		9.1



Tested by

Ryosuke Hirota

Ryosuke Hirota, Engineer

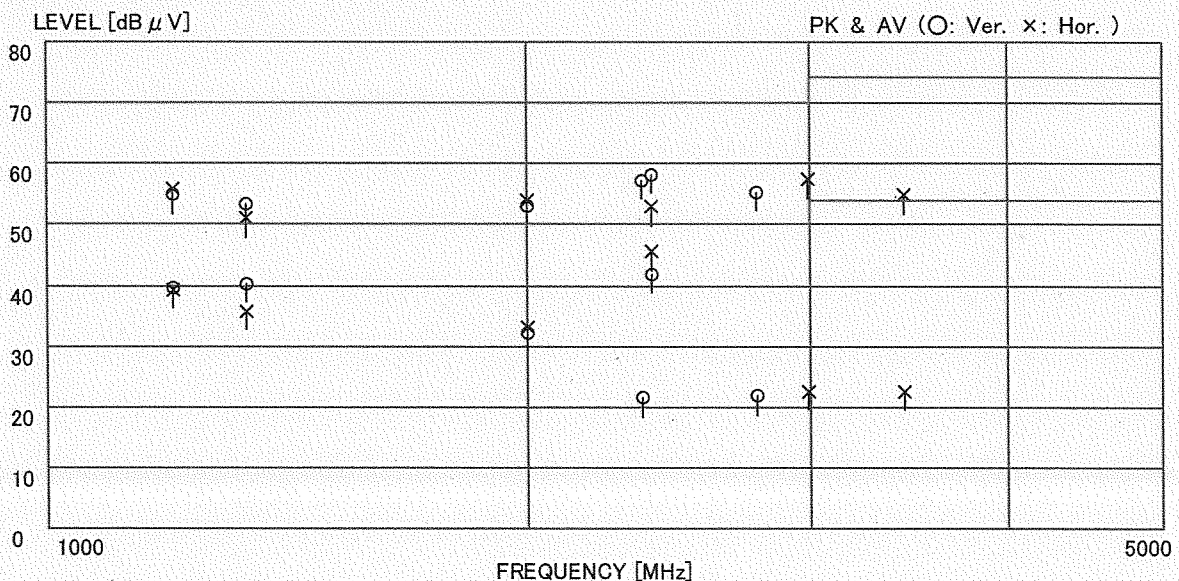
雑音電界強度試験結果 (PK: 尖頭値 , AV: 平均値)

Model name: TASKalfa 5500i
Operating mode: Copy
Test procedure: EN55022:2006 Class B
Tested condition: Power input 1phase AC230V
Distance from antenna to EUT: 3.4m
< 1000MHz to 5000MHz >

Date of measurement: February 04, 2011
Temperature: 15 degree C
Humidity: 31 %
System: B

	Frequency (MHz)	* Level		Total Factor (dB)	Result		Limit		Margin	
		PK (dBμV)	AV		PK (dBμV)	AV	PK (dBμV)	AV	PK (dB)	AV
Ver	1200.000	72.5	57.4	-17.7	54.8	39.7	70.0	50.0	15.2	10.3
	1333.310	70.8	57.6	-17.3	53.5	40.3	70.0	50.0	16.5	9.7
	2000.000	67.4	46.5	-14.3	53.1	32.2	70.0	50.0	16.9	17.8
	2360.000	70.9	35.1	-13.6	57.3	21.5	70.0	50.0	12.7	28.5
	2395.640	71.8	55.3	-13.5	58.3	41.8	70.0	50.0	11.7	8.2
	2786.000	68.5	35.0	-13.1	55.4	21.9	70.0	50.0	14.6	28.1
Hor	1200.000	73.5	57.0	-17.7	55.8	39.3	70.0	50.0	14.2	10.7
	1333.310	68.3	53.1	-17.3	51.0	35.8	70.0	50.0	19.0	14.2
	2000.000	68.2	47.3	-14.3	53.9	33.0	70.0	50.0	16.1	17.0
	2395.640	66.4	59.0	-13.5	52.9	45.5	70.0	50.0	17.1	4.5
	2996.000	70.3	35.5	-13.0	57.3	22.5	70.0	50.0	12.7	27.5
	3437.600	67.9	35.6	-13.1	54.8	22.5	74.0	54.0	19.2	31.5

* ...自由空間伝播を前提として換算値を加えた値 (VCCI技術基準 6.5.2.2項)
測定値 + 20log(アンテナ～EUTの距離/3)

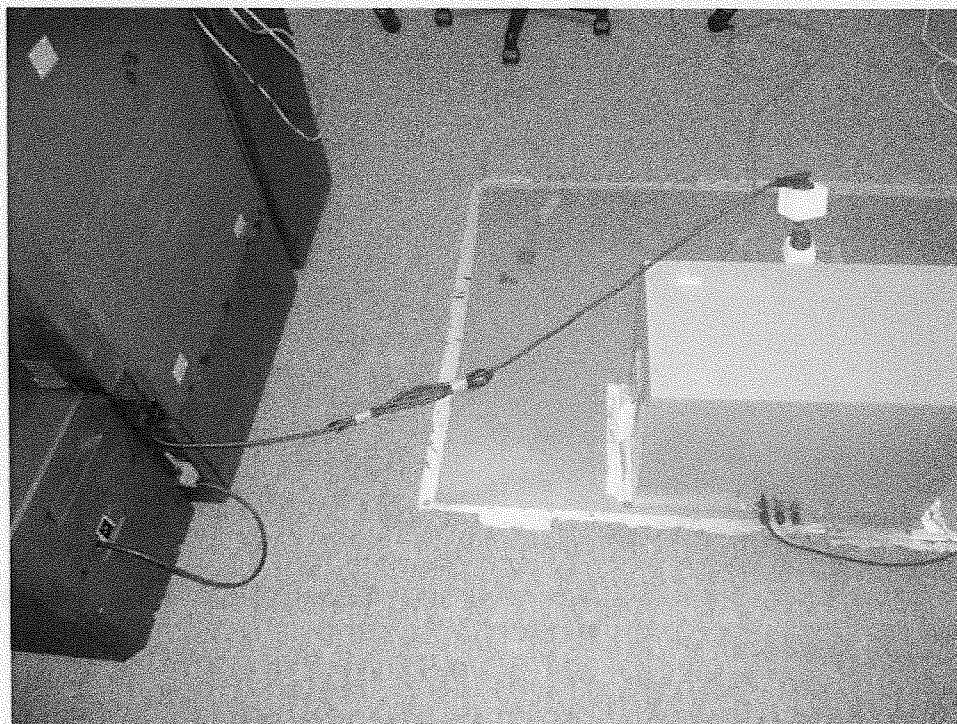


Tested by

Ryosuke Hirota

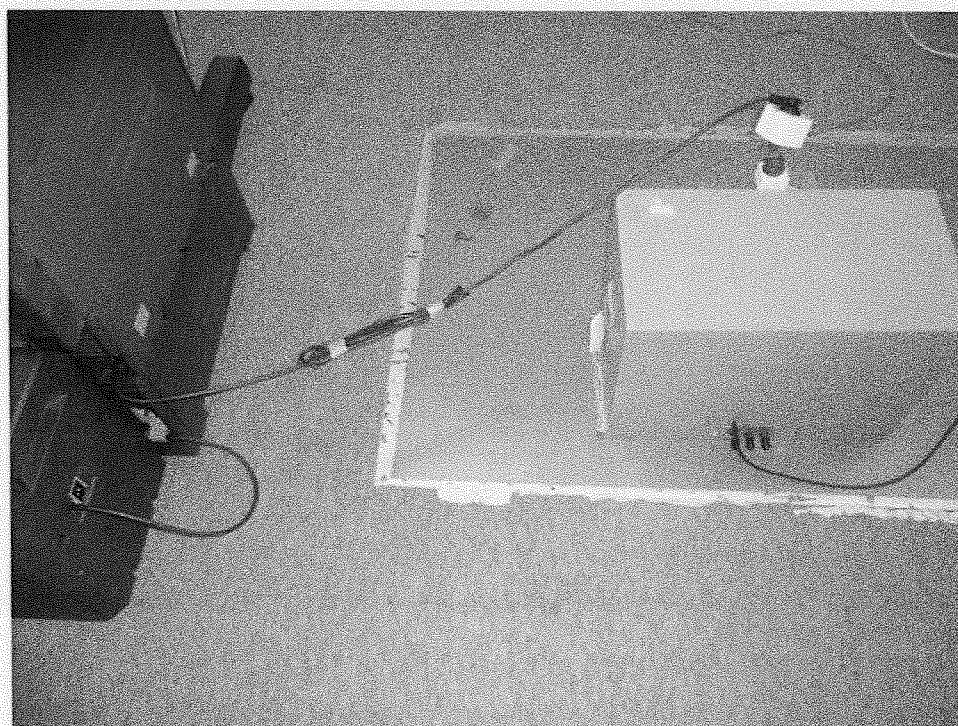
Ryosuke Hirota, Engineer

(Conducted Emission)
(Model Name : TASKalfa 5500i)



<System-A>

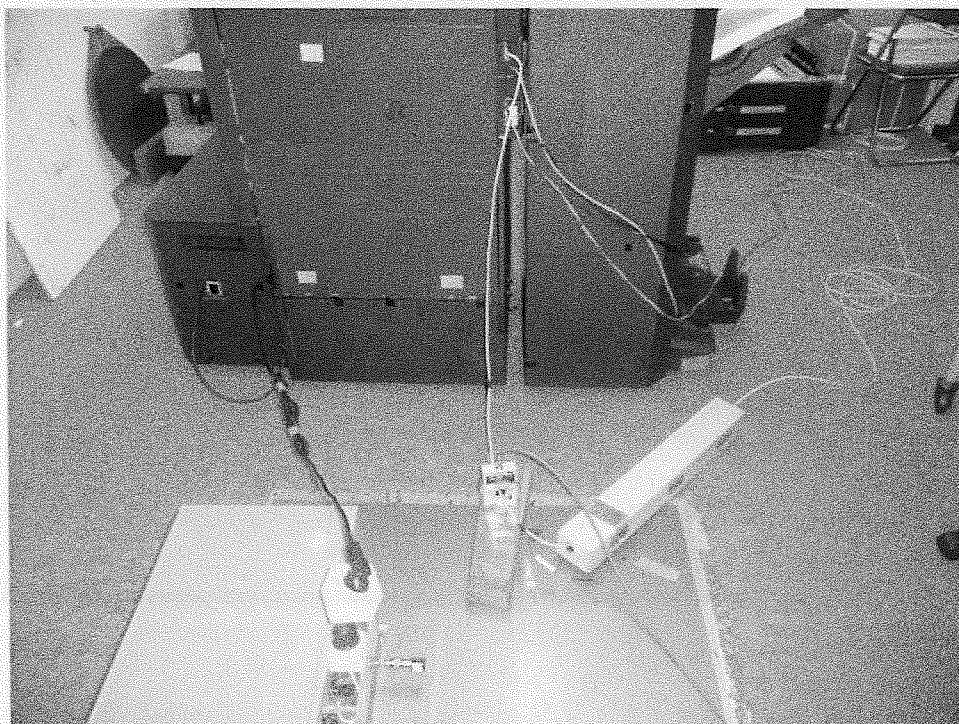
(Conducted Emission)
(Model Name : TASKalfa 5500i)



<System-B>

(Conducted Emission for Telecommunication ports)

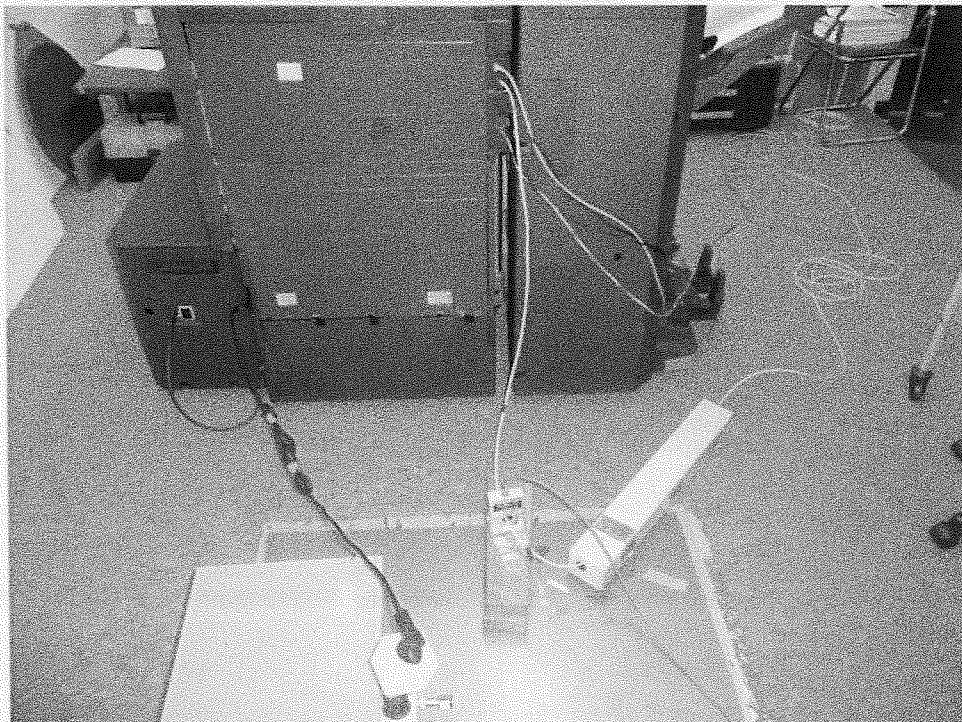
(Model Name : TASKalfa 5500i)



<LAN Print (On Board)>

(Conducted Emission for Telecommunication ports)

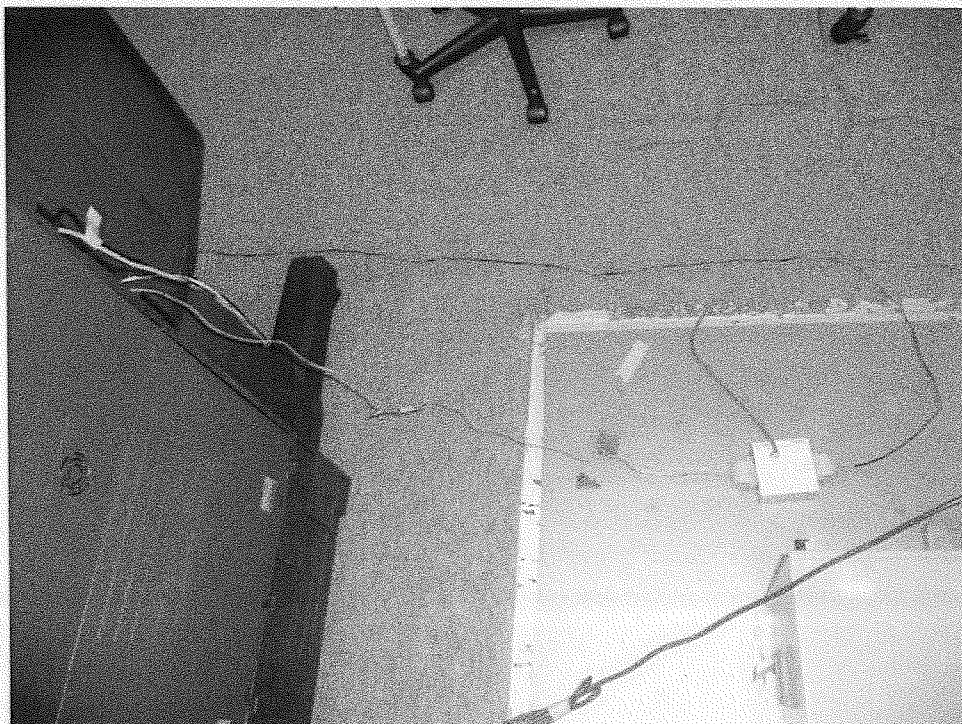
(Model Name : TASKalfa 5500i)



<LAN Print (Option NIC)>

(Conducted Emission for Telecommunication ports)

(Model Name : TASKalfa 5500i)



<FAX TX (Main Port)>

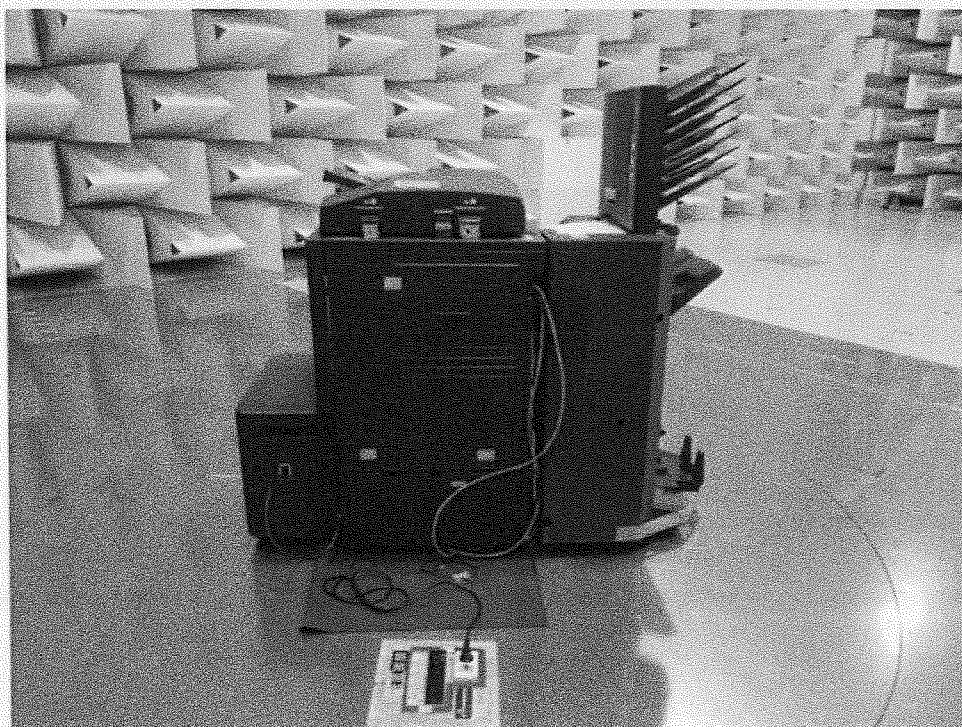
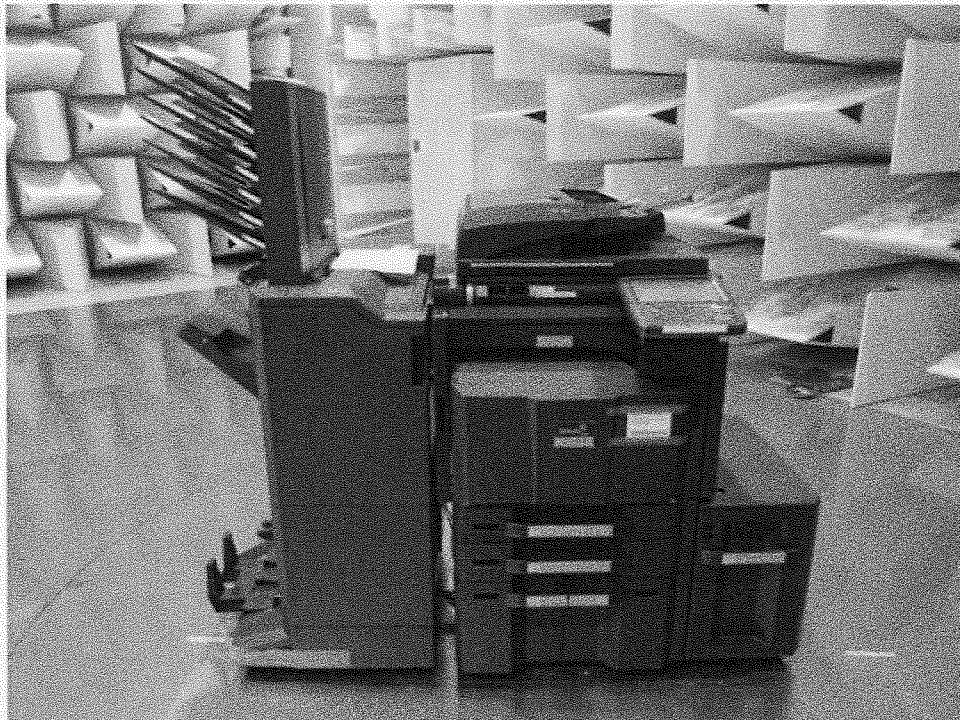
(Conducted Emission for Telecommunication ports)

(Model Name : TASKalfa 5500i)



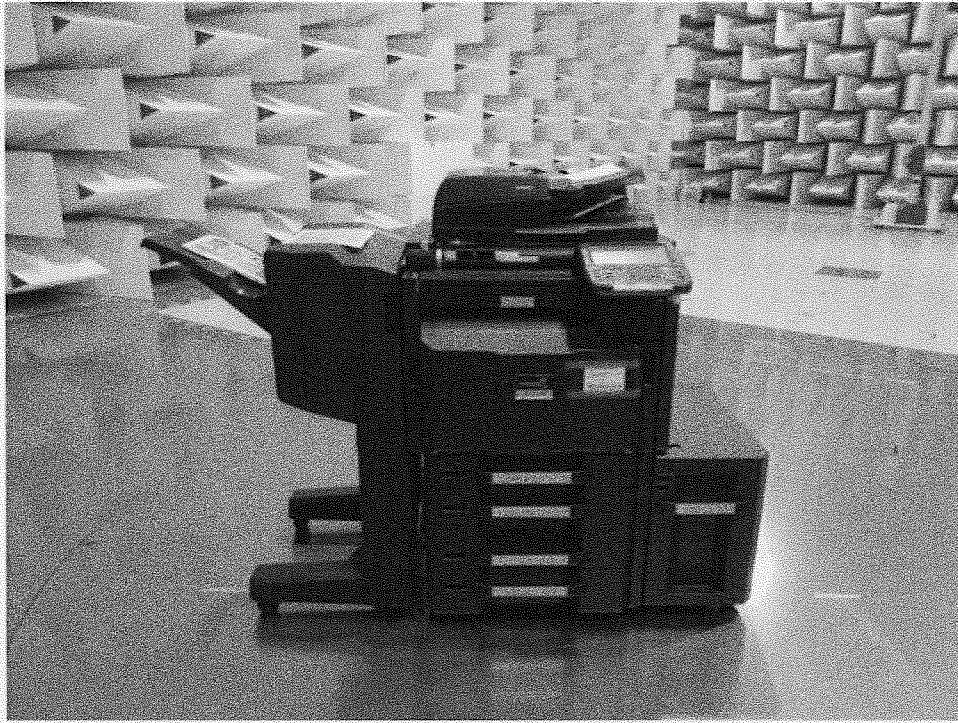
<FAX RX (Sub Port)>

(Radiated Emission)
(Model Name : TASKalfa 5500i)



<System-A>

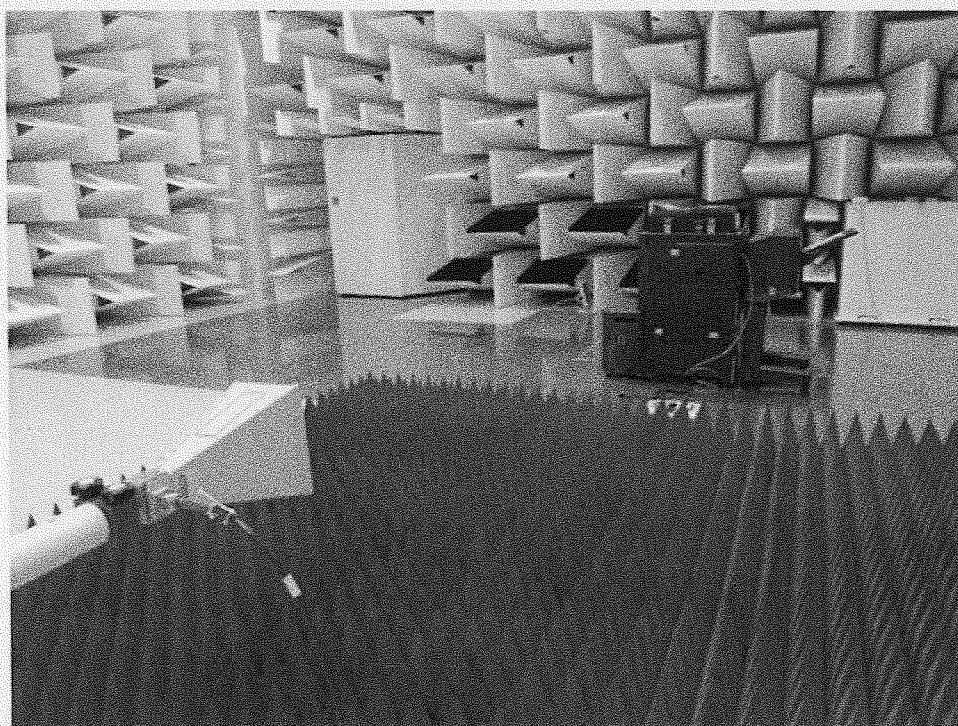
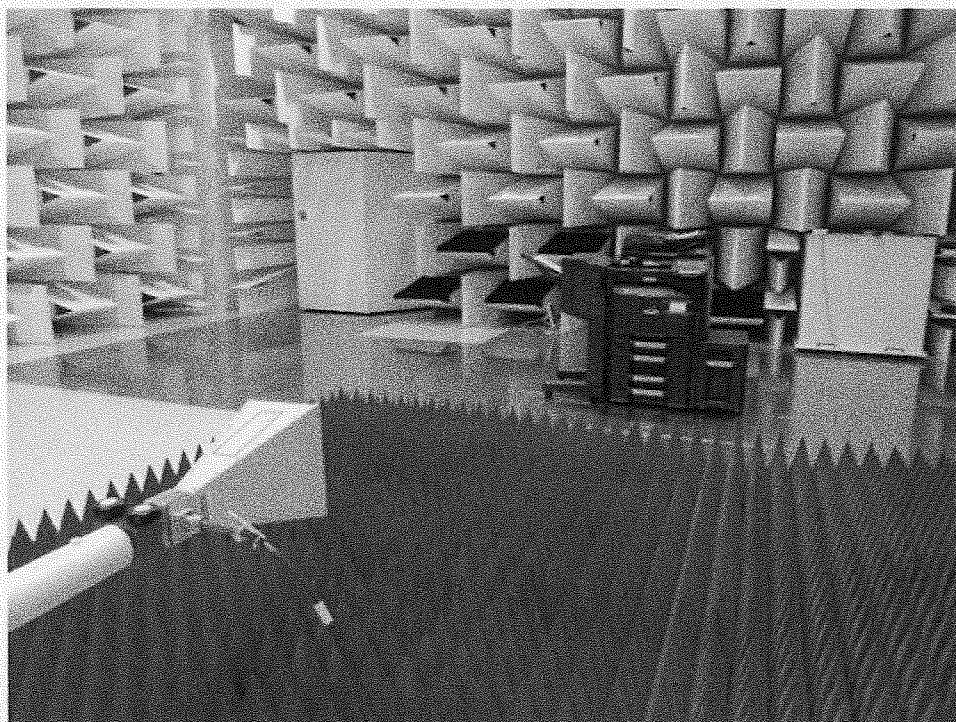
(Radiated Emission)
(Model Name : TASKalfa 5500i)



<System-B>

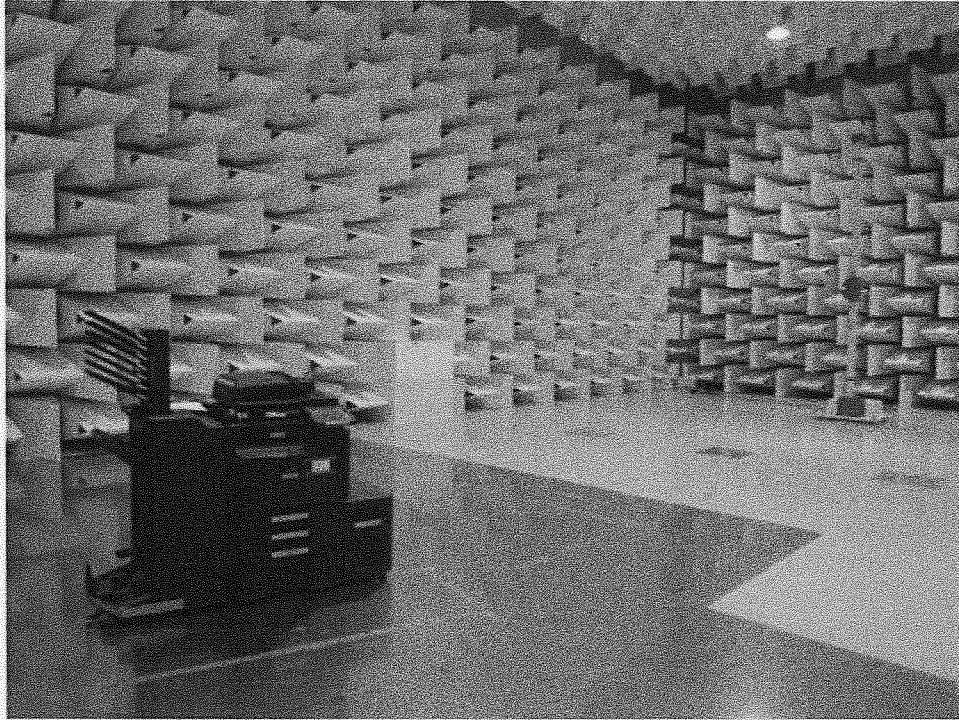
(Radiated Emission) - GHz -

(Model Name : TASKalfa 5500i)



(Radiated Emission / Worst Case)

(Model Name : TASKalfa 5500i)



EN61000-3-2/2006

Harmonic Current Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 3500i / 4500i / 5500i	TEST-1
Paper Feeder	PF-730	TEST-1
	PF-740	TEST-1
Side Paper Feeder	PF-770	TEST-1
Document Processor	DP-770	TEST-1
	DP-771	TEST-1
Finisher	DF-770	TEST-1
	DF-790	TEST-1
Punch Unit	PH-7C / PH-7D	TEST-1
Booklet Folder	BF-730	TEST-1
Mulch Tray	MT-730	TEST-1
Job Separator	JS-730	TEST-1
	JS-731	TEST-1
Bridge	AK-730	TEST-1
Printer NIC	IB-50	TEST-1
FAX Kit	FAX System (V)	TEST-1

Date : 27 March, 2011

Temperature : 24°C

Humidity : 56%

Atom. Pressure : 1016hPa

Testing Place : Kyocera Mita CE Test Room

Power Input : AC230V, 50Hz

Tested by : Takayuki Matsuura

T. Matsuura

This test was applied as follows.

Odd-harmonics			Even-harmonics		
<i>Order (n)</i>	<i>Limit</i>	<i>Result</i>	<i>Order (n)</i>	<i>Limit</i>	<i>Result</i>
3	2.30 A	Pass	2 4 6 $8 \leq n \leq 40$	1.08 A	Pass
5	1.14 A			0.43 A	
7	0.77 A			0.30 A	
9	0.40 A				
11	0.33 A				
13	0.21 A				
$15 \leq n < 40$	$0.15 \times 8 / n$ A				

Test equipment used : Analyzing System : SPS B10 (Spitzenberger + Spies GmbH)

TASKalfa 5500i (Maximum)

Print Date : Thu Mar 03 18:55:53 20
 MeasureDate : Thu Mar 03 18:55:28 20
 Comment : Mode: Stand-by
 Option : DF-790, MT-730, BF-730, PF-770, PF-740, DP-771, AK-730, FAX System (V), IB-50

Regulation : IEC61000-3-2 Ed3.0
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00 Sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 3.3207 A
 Voltage(rms) : 229.99 V
 Frequency : 50.006 Hz
 Power Factor : 0.9080
 Beyond Limit Time : 15.0001 s
 Beyond Total Time : 0.0000 s
 THC : 1.3711 A

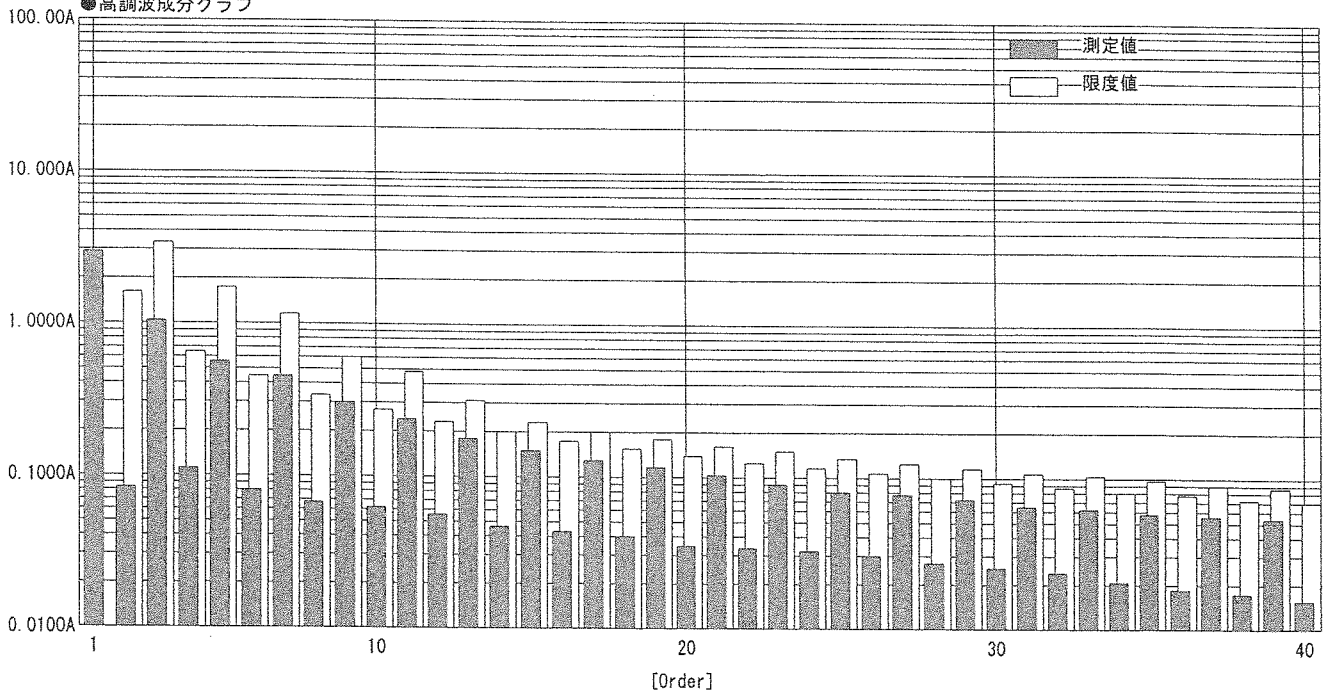
PASS

Set Fundamental I : _____
 Set Power Factor : _____
 Set P : _____
 Sigma W Max : 648.6722 W
 Sigma PF : 0.9080
 Distortion factor(V) : 0.04 %
 V THDS : 0.05 %
 V THDG : 0.05 %
 Distortion factor(A) : 127.65 %
 A THDS : 202.96 %
 A THDG : 244.18 %
 P THD : 0.03 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]
1	2.9667		
3	1.0185	3.4500	70.5
5	0.5626	1.7100	67.1
7	0.4515	1.1550	60.9
9	0.3021	0.6000	49.6
11	0.2373	0.4950	52.1
13	0.1783	0.3150	43.4
15	0.1466	0.2250	34.9
17	0.1300	0.1985	34.5
19	0.1139	0.1776	35.9
21	0.1030	0.1607	35.9
23	0.0914	0.1467	37.7
25	0.0820	0.1350	39.2
27	0.0775	0.1250	38.0
29	0.0716	0.1164	38.5
31	0.0657	0.1089	39.7
33	0.0620	0.1023	39.4
35	0.0593	0.0964	38.5
37	0.0567	0.0912	37.8
39	0.0547	0.0865	36.8

Order	Measure[A]	Limit[A]	Margin[%]
2	0.0846	1.6200	94.8
4	0.1103	0.6450	82.9
6	0.0807	0.4500	82.1
8	0.0663	0.3450	80.8
10	0.0624	0.2760	77.4
12	0.0557	0.2300	75.8
14	0.0477	0.1971	75.8
16	0.0434	0.1725	74.9
18	0.0408	0.1533	73.4
20	0.0358	0.1380	74.0
22	0.0336	0.1255	73.2
24	0.0323	0.1150	71.9
26	0.0306	0.1062	71.2
28	0.0278	0.0986	71.8
30	0.0259	0.0920	71.9
32	0.0237	0.0862	72.6
34	0.0208	0.0812	74.4
36	0.0184	0.0767	75.9
38	0.0171	0.0726	76.5
40	0.0154	0.0690	77.6

●高調波成分グラフ



TASKalfa 5500i (Average)

Print Date : Thu Mar 03 18:55:52 2011
 MeasureDate : Thu Mar 03 18:55:28 2011
 Comment : Mode: Stand-by
 Option : DF-790, MT-730, BF-730, PF-770, PF-740, DP-771, AK-730, FAX System (V), IB-50

Regulation : IEC61000-3-2 Ed3.0
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00 Sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 1.2548 A
 Voltage(rms) : 229.96 V
 Frequency : 50.000 Hz
 Power Factor : 0.6359
 Beyond Limit Time : 0.2514 A
 Beyond Total Time : 0.2339 A
 THC : 0.6730 A

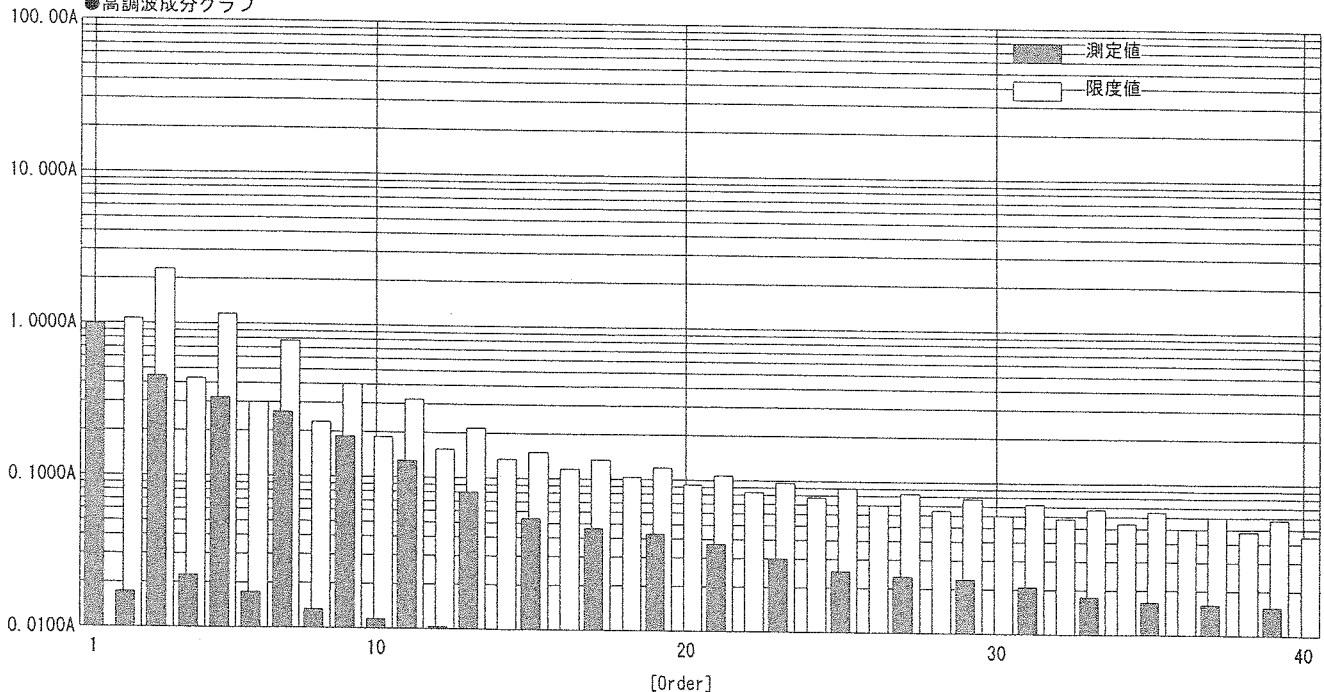
PASS

Set Fundamental I : _____
 Set Power Factor : _____
 Set P : _____
 Sigma W Max : 648.6722 W
 Sigma PF : 0.6359
 Distortion factor(V) : 0.02 %
 V THDS : 0.02 %
 V THDG : 0.03 %
 Distortion factor(A) : 101.77 %
 A THDS : 103.71 %
 A THDG : 104.71 %
 P THD : 0.02 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]
1	0.9853		
3	0.4505	2.3000	80.4
5	0.3243	1.1400	71.6
7	0.2610	0.7700	66.1
9	0.1845	0.4000	53.9
11	0.1270	0.3300	61.5
13	0.0800	0.2100	61.9
15	0.0538	0.1500	64.1
17	0.0466	0.1324	64.8
19	0.0431	0.1184	63.6
21	0.0374	0.1071	65.1
23	0.0305	0.0978	68.8
25	0.0252	0.0900	72.0
27	0.0237	0.0833	71.5
29	0.0227	0.0776	70.8
31	0.0205	0.0726	71.7
33	0.0180	0.0682	73.5
35	0.0164	0.0643	74.5
37	0.0158	0.0608	73.9
39	0.0156	0.0577	72.9

Order	Measure[A]	Limit[A]	Margin[%]
2	0.0173	1.0800	98.4
4	0.0219	0.4300	94.9
6	0.0173	0.3000	94.2
8	0.0135	0.2300	94.1
10	0.0115	0.1840	93.7
12	0.0104	0.1533	93.2
14	0.0096	0.1314	92.7
16	0.0089	0.1150	92.3
18	0.0083	0.1022	91.9
20	0.0077	0.0920	91.6
22	0.0072	0.0836	91.4
24	0.0067	0.0767	91.2
26	0.0063	0.0708	91.1
28	0.0058	0.0657	91.1
30	0.0054	0.0613	91.2
32	0.0049	0.0575	91.5
34	0.0044	0.0541	91.9
36	0.0039	0.0511	92.3
38	0.0036	0.0484	92.5
40	0.0034	0.0460	92.6

●高調波成分グラフ



TASKalfa 5500i (Maximum)

Print Date : Sun Mar 27 13:57:23 2011
 MeasureDate : Sun Mar 27 13:55:16 2011
 Comment : Mode: Copy 1 to 1

Regulation : IEC61000-3-2 Ed3.0
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00 Sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 6.1314 A
 Voltage(rms) : 229.59 V
 Frequency : 50.007 Hz
 Power Factor : 0.9552
 Beyond Limit Time : 15.0000 s
 Beyond Total Time : 0.0000 s
 THC : 2.0554 A

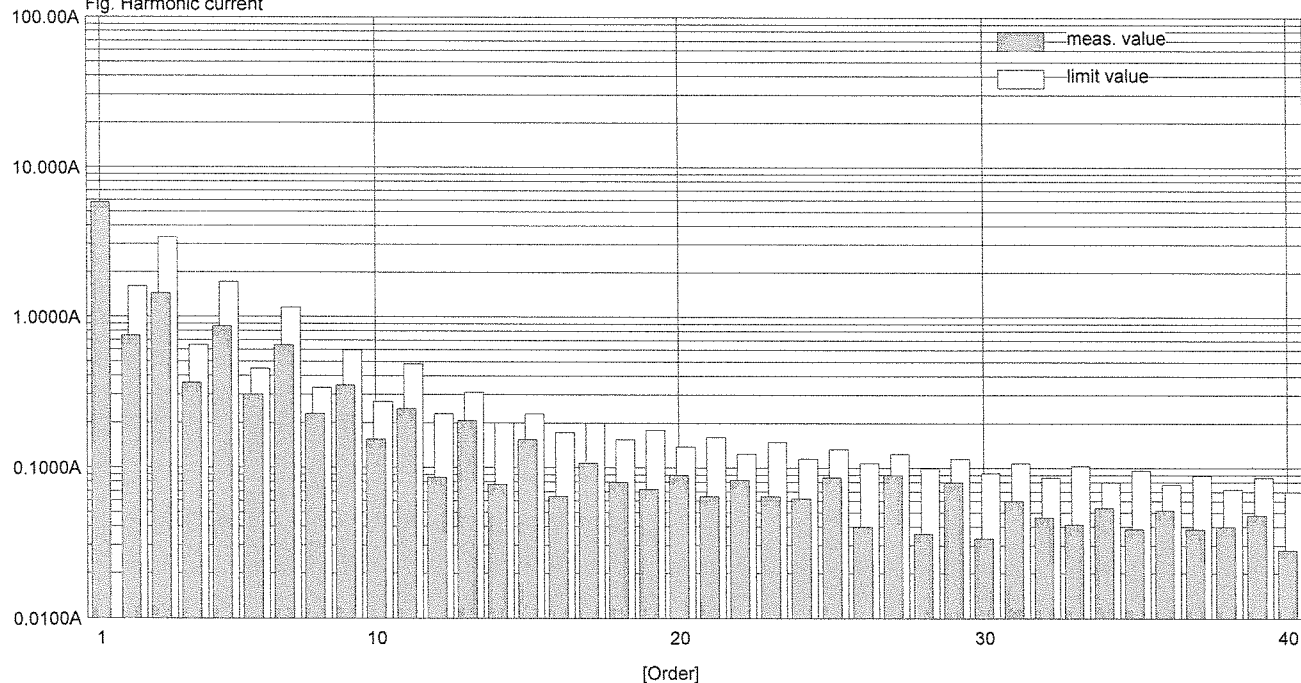
PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 1321.551 W
 Sigma PF : 0.9552
 Distortion factor(V) : 0.05 %
 V THDS : 0.05 %
 V THDG : 0.05 %
 Distortion factor(A) : 56.44 %
 A THDS : 56.47 %
 A THDG : 56.48 %
 P THD : 0.02 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]
1	5.8201		
3	1.4481	3.4500	58.0
5	0.8681	1.7100	49.2
7	0.6443	1.1550	44.2
9	0.3506	0.6000	41.6
11	0.2478	0.4950	49.9
13	0.2081	0.3150	33.9
15	0.1516	0.2250	32.6
17	0.1062	0.1985	46.5
19	0.0714	0.1776	59.8
21	0.0658	0.1607	59.0
23	0.0655	0.1467	55.4
25	0.0866	0.1350	35.9
27	0.0903	0.1250	27.8
29	0.0803	0.1164	31.0
31	0.0613	0.1089	43.7
33	0.0422	0.1023	58.7
35	0.0387	0.0964	59.8
37	0.0386	0.0912	57.7
39	0.0486	0.0865	43.8

Order	Measure[A]	Limit[A]	Margin[%]
2	0.7546	1.6200	53.4
4	0.3685	0.6450	42.9
6	0.3095	0.4500	31.2
8	0.2311	0.3450	33.0
10	0.1536	0.2760	44.4
12	0.0865	0.2300	62.4
14	0.0765	0.1971	61.2
16	0.0638	0.1725	63.0
18	0.0819	0.1533	46.6
20	0.0910	0.1380	34.0
22	0.0843	0.1255	32.8
24	0.0636	0.1150	44.7
26	0.0413	0.1062	61.1
28	0.0369	0.0986	62.6
30	0.0343	0.0920	62.7
32	0.0465	0.0862	46.0
34	0.0548	0.0812	32.4
36	0.0528	0.0767	31.1
38	0.0408	0.0726	43.9
40	0.0279	0.0690	59.6

Fig. Harmonic current



TASKalfa 5500i (Average)

Print Date : Sun Mar 27 13:57:23 2011
 MeasureDate : Sun Mar 27 13:55:16 2011
 Comment : Mode: Copy 1 to 1

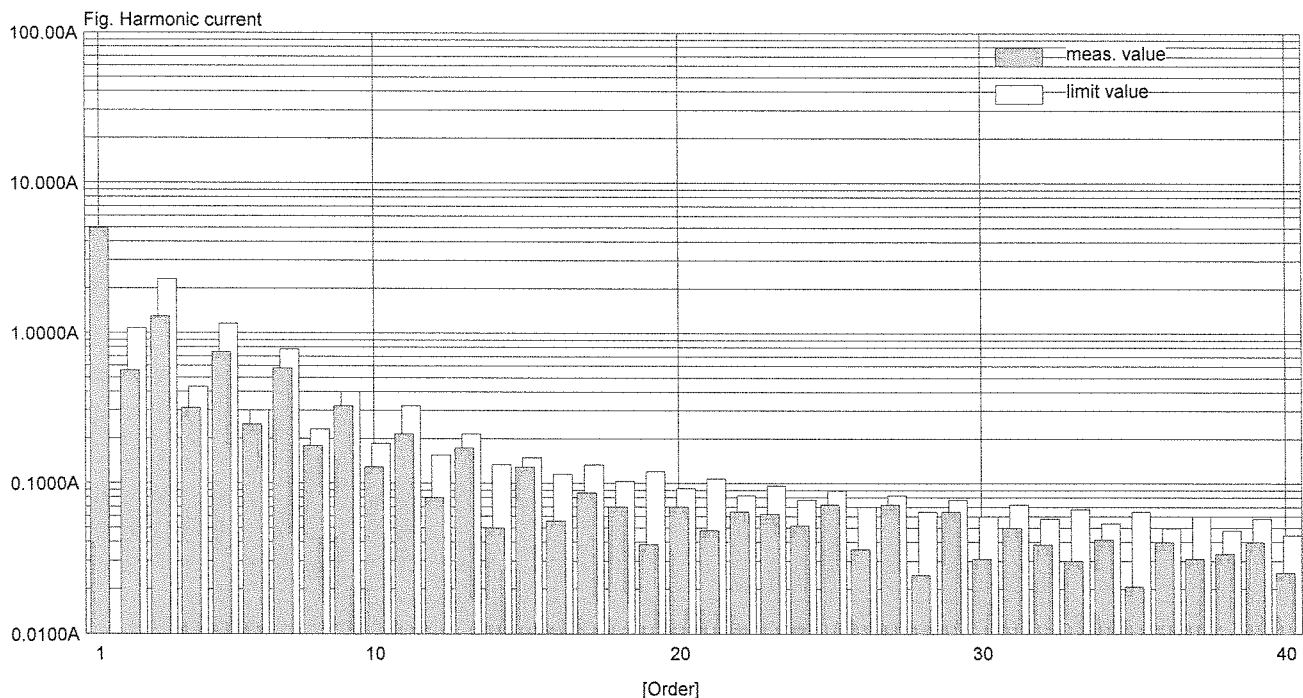
Regulation : IEC61000-3-2 Ed3.0
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00 Sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 5.4426 A
 Voltage(rms) : 229.54 V
 Frequency : 50.000 Hz
 Power Factor : 0.9307
 POHC Limit : 0.2514 A
 POHC Max : 0.1860 A
 THC : 1.8280 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 1321.551 W
 Sigma PF : 0.9307
 Distortion factor(V) : 0.04 %
 V THDS : 0.04 %
 V THDG : 0.04 %
 Distortion factor(A) : 37.12 %
 A THDS : 37.36 %
 A THDG : 37.47 %
 P THD : 0.01 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]
1	5.1060		
3	1.2740	2.3000	44.6
5	0.7502	1.1400	34.2
7	0.5886	0.7700	23.6
9	0.3240	0.4000	19.0
11	0.2130	0.3300	35.4
13	0.1730	0.2100	17.6
15	0.1298	0.1500	13.5
17	0.0870	0.1324	34.3
19	0.0391	0.1184	66.9
21	0.0482	0.1071	55.0
23	0.0617	0.0978	36.9
25	0.0724	0.0900	19.6
27	0.0730	0.0833	12.4
29	0.0654	0.0776	15.7
31	0.0508	0.0726	30.0
33	0.0304	0.0682	55.4
35	0.0208	0.0643	67.6
37	0.0311	0.0608	48.9
39	0.0413	0.0577	28.4

Order	Measure[A]	Limit[A]	Margin[%]
2	0.5597	1.0800	48.2
4	0.3183	0.4300	26.0
6	0.2430	0.3000	19.0
8	0.1761	0.2300	23.4
10	0.1305	0.1840	29.1
12	0.0792	0.1533	48.4
14	0.0512	0.1314	61.1
16	0.0571	0.1150	50.4
18	0.0694	0.1022	32.1
20	0.0703	0.0920	23.5
22	0.0651	0.0836	22.2
24	0.0528	0.0767	31.1
26	0.0371	0.0708	47.6
28	0.0248	0.0657	62.3
30	0.0311	0.0613	49.3
32	0.0394	0.0575	31.6
34	0.0419	0.0541	22.6
36	0.0408	0.0511	20.1
38	0.0337	0.0484	30.3
40	0.0251	0.0460	45.5



TASKalfa 5500i (Maximum)

Print Date : Sun Mar 27 14:57:31 2011
 MeasureDate : Sun Mar 27 14:57:21 2011
 Comment : Mode: Print 3

Regulation : IEC61000-3-2 Ed3.0
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00 Sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 5.6517 A
 Voltage(rms) : 229.74 V
 Frequency : 50.005 Hz
 Power Factor : 0.9638
 Beyond Limit Time : 15.0000 s
 Beyond Total Time : 0.0000 s
 THC : 1.8930 A

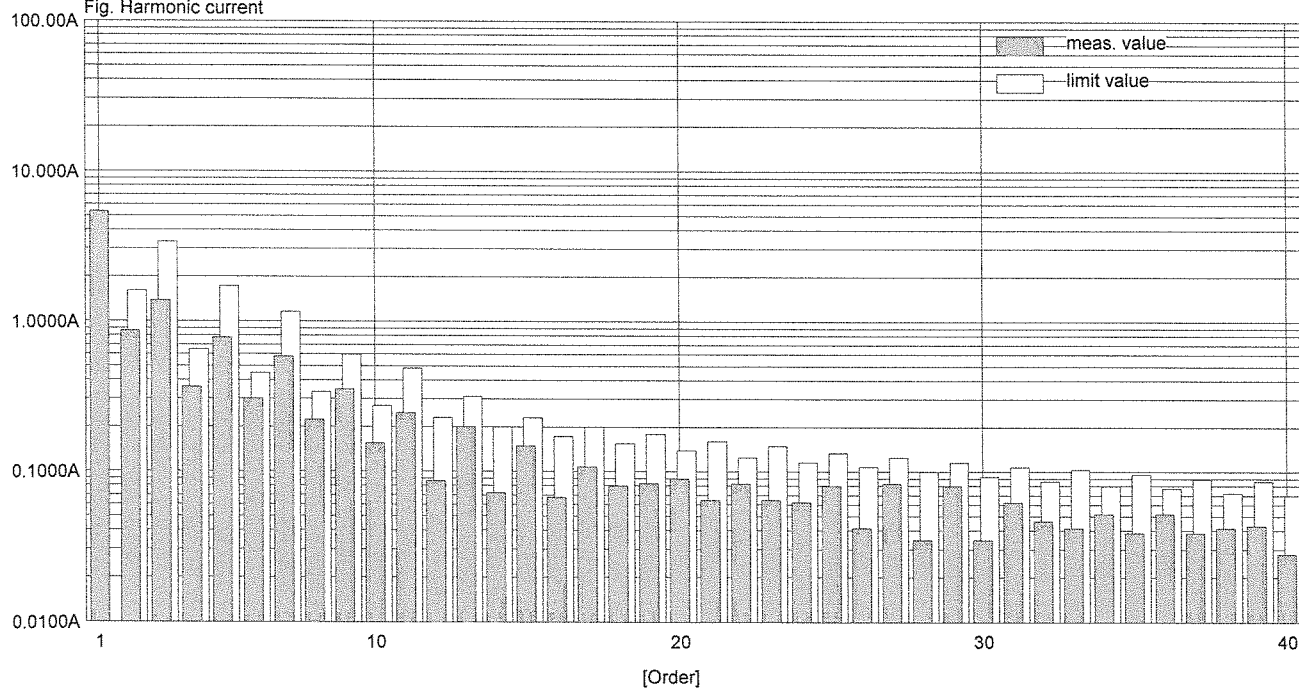
PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 1220.705 W
 Sigma PF : 0.9638
 Distortion factor(V) : 0.05 %
 V THDS : 0.05 %
 V THDG : 0.05 %
 Distortion factor(A) : 88.62 %
 A THDS : 88.62 %
 A THDG : 88.63 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]
1	5.3692		
3	1.3995	3.4500	59.4
5	0.7700	1.7100	55.0
7	0.5773	1.1550	50.0
9	0.3482	0.6000	42.0
11	0.2451	0.4950	50.5
13	0.1962	0.3150	37.7
15	0.1488	0.2250	33.8
17	0.1072	0.1985	46.0
19	0.0845	0.1776	52.4
21	0.0658	0.1607	59.1
23	0.0648	0.1467	55.9
25	0.0816	0.1350	39.6
27	0.0846	0.1250	32.4
29	0.0801	0.1164	31.2
31	0.0625	0.1089	42.6
33	0.0425	0.1023	58.4
35	0.0391	0.0964	59.4
37	0.0389	0.0912	57.4
39	0.0436	0.0865	49.6

Order	Measure[A]	Limit[A]	Margin[%]
2	0.8597	1.6200	46.9
4	0.3658	0.6450	43.3
6	0.3030	0.4500	32.7
8	0.2241	0.3450	35.1
10	0.1522	0.2760	44.8
12	0.0857	0.2300	62.8
14	0.0712	0.1971	63.9
16	0.0673	0.1725	61.0
18	0.0810	0.1533	47.2
20	0.0895	0.1380	35.1
22	0.0824	0.1255	34.3
24	0.0634	0.1150	44.8
26	0.0418	0.1062	60.6
28	0.0350	0.0986	64.5
30	0.0357	0.0920	61.2
32	0.0463	0.0862	46.3
34	0.0532	0.0812	34.5
36	0.0518	0.0767	32.4
38	0.0415	0.0726	42.8
40	0.0283	0.0690	58.9

Fig. Harmonic current



3/12/11

TASKalfa 5500i (Average)

Print Date : Sun Mar 27 14:57:31 2011
 MeasureDate : Sun Mar 27 14:57:21 2011
 Comment : Mode: Print 3

Regulation : IEC61000-3-2 Ed3.0
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00 Sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 4.4699 A
 Voltage(rms) : 229.71 V
 Frequency : 50.000 Hz
 Power Factor : 0.9278
 POHC Limit : 0.2514 A
 POHC Max : 0.1785 A
 THC : 1.5429 A

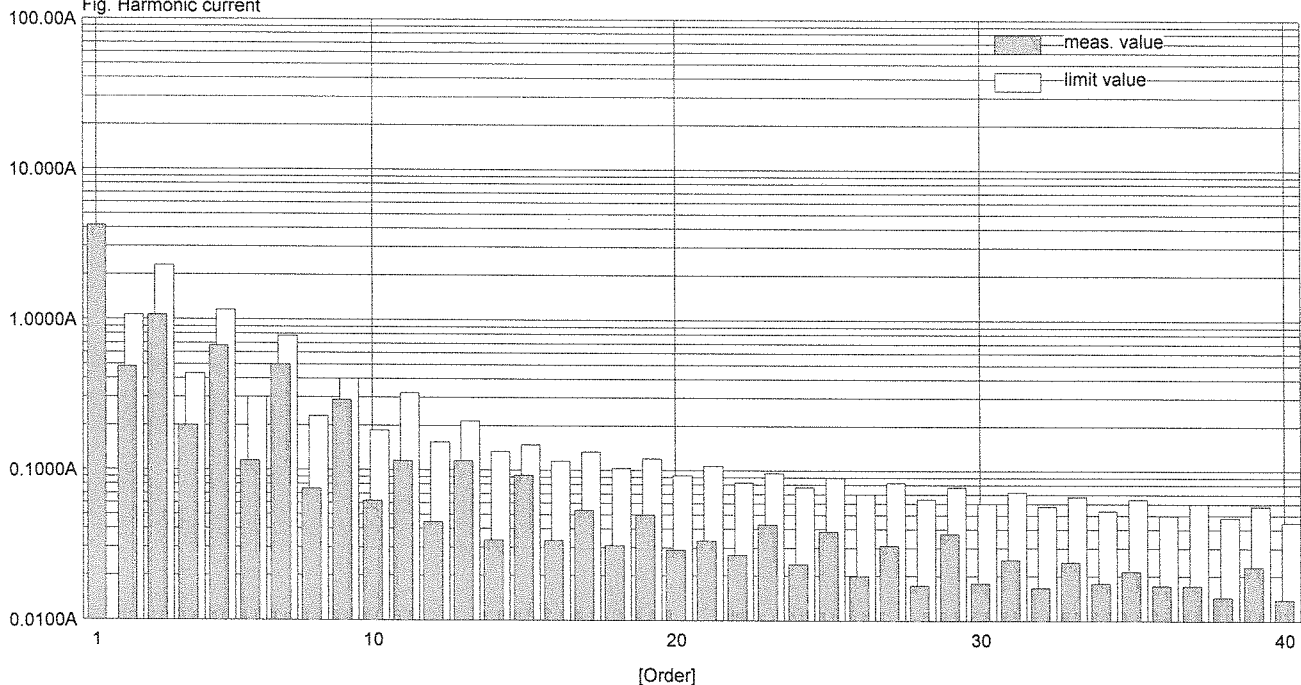
PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 1220.705 W
 Sigma PF : 0.9278
 Distortion factor(V) : 0.04 %
 V THDS : 0.04 %
 V THDG : 0.04 %
 Distortion factor(A) : 40.21 %
 A THDS : 40.33 %
 A THDG : 40.41 %
 P THD : 0.01 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]
1	4.1612		
3	1.0896	2.3000	52.6
5	0.6730	1.1400	41.0
7	0.4980	0.7700	35.3
9	0.2894	0.4000	27.6
11	0.1166	0.3300	64.7
13	0.1142	0.2100	45.6
15	0.0939	0.1500	37.4
17	0.0543	0.1324	58.9
19	0.0502	0.1184	57.6
21	0.0342	0.1071	68.1
23	0.0441	0.0978	54.9
25	0.0391	0.0900	56.6
27	0.0322	0.0833	61.4
29	0.0379	0.0776	51.1
31	0.0259	0.0726	64.3
33	0.0246	0.0682	64.0
35	0.0216	0.0643	66.4
37	0.0171	0.0608	71.9
39	0.0228	0.0577	60.4

Order	Measure[A]	Limit[A]	Margin[%]
2	0.4787	1.0800	55.7
4	0.2005	0.4300	53.4
6	0.1173	0.3000	60.9
8	0.0755	0.2300	67.2
10	0.0636	0.1840	65.5
12	0.0449	0.1533	70.7
14	0.0338	0.1314	74.2
16	0.0335	0.1150	70.8
18	0.0317	0.1022	69.0
20	0.0293	0.0920	68.1
22	0.0275	0.0836	67.1
24	0.0241	0.0767	68.5
26	0.0199	0.0708	71.8
28	0.0172	0.0657	73.9
30	0.0177	0.0613	71.2
32	0.0167	0.0575	70.9
34	0.0176	0.0541	67.4
36	0.0174	0.0511	66.0
38	0.0142	0.0484	70.6
40	0.0139	0.0460	69.8

Fig. Harmonic current



EN61000-3-3/1995/A1/2001+A2/2005

Voltage Fluctuations/Flicker Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 3500i / 4500i / 5500i	TEST-1
Paper Feeder	PF-730	TEST-1
	PF-740	TEST-1
Side Paper Feeder	PF-770	TEST-1
Document Processor	DP-770	TEST-1
	DP-771	TEST-1
Finisher	DF-770	TEST-1
	DF-790	TEST-1
Punch Unit	PH-7C / PH-7D	TEST-1
Booklet Folder	BF-730	TEST-1
Mulch Tray	MT-730	TEST-1
Job Separator	JS-730	TEST-1
	JS-731	TEST-1
Bridge	AK-730	TEST-1
Printer NIC	IB-50	TEST-1
FAX Kit	FAX System (V)	TEST-1

Date : 27 March, 2011

Temperature : 25°C

Humidity : 57%

Atom. Pressure : 1018hPa

Testing Place : Kyocera Mita CE Test Room

Power Input : AC230V, 50Hz

Tested by : Takayuki Matsuura

T. Matsuura

This test was applied as follows.

<i>Evaluate item</i>	<i>Limit</i>	<i>Result</i>
Relative steady-state voltage change	$d_c \leq 3\%$	Pass
Maximum relative voltage change	$d_{\max} \leq 4\%$	
Relative voltage change characteristic	$dt \leq 200\text{ms}$	
Short-term flicker indicator	$P_{ST} \leq 1$	
Long-term flicker indicator	$P_{LT} \leq 0.65$	

Test equipment used:

Analyzing System : SPS B10 (Spitzenberger + Spies GmbH)

待機中

TASKalfa 5500i

Print Date : Tue Mar 08 19:33:23 2011
MeasureDate : Tue Mar 08 19:29:07 2011
Comment : TASKalfa 5500i
Mode: Stand-by
Option: DF-790, MT-730, BF-730, PF-770, PF-740, DP-771, AK-730, FAX System(V), IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed1.1
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Voltage U1 : 228.53V
Set Frequency : 50Hz
Frequency U1 : 50.000Hz
Element : 1
dmin : 0.10%

PASS

Element1 : Pass
dc (3.30%) : Pass
dmax (4.00%) : Pass
d(t) (500ms) : Pass
Pst (1.00%) : Pass
Plt (0.65) : Pass

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.61	0.79	0.00	0.20
2	0.59	0.89	0.00	0.24
3	0.59	0.89	0.00	0.26
4	0.59	0.85	0.00	0.27
5	0.59	0.85	0.00	0.27
6	0.58	0.85	0.00	0.27
7	0.00	0.00	0.00	0.07
8	0.00	0.00	0.00	0.07
9	0.00	0.00	0.00	0.07
10	0.00	0.00	0.00	0.07
11	0.00	0.00	0.00	0.07
12	0.00	0.00	0.00	0.07

Plt
0.20

TASKalfa 5500i

Print Date : Sun Mar 27 16:52:26 2011
MeasureDate : Sun Mar 27 16:52:08 2011
Comment : Mode : Copy 1 to Many No2

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed1.1
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Voltage U1 : 227.57V
Set Frequency : 50Hz
Frequency U1 : 49.999Hz
Element : 1
dmin : 0.10%

PASS

Element1 : Pass
dc (3.30%) : Pass
dmax (4.00%) : Pass
d(t) (500ms) : Pass
Pst (1.00%) : Pass
Plt (0.65) : Pass

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.25	1.53	0.00	0.58
				Pst
				0.25

TASKalfa 5500i

Print Date : Tue Mar 08 19:51:38 2011
 MeasureDate : Tue Mar 08 19:50:06 2011
 Comment : TASKalfa 5500i Duplex Print
 Option: DF-790, MT-730, BF-730, PF-770, PF-740, DP-771, AK-730, FAX System(V), IB-50

Regulation : IEC61000-3-3 Ed2.0
 IEC61000-4-15 Ed1.1
 Interval : 10Min0Sec
 Model : YOKOGAWA WT3000
 Wiring : single-phase 2wire
 Voltage Range : 300.00V
 Voltage U1 : 227.95V
 Set Frequency : 50Hz
 Frequency U1 : 50.000Hz
 Element : 1
 dmin : 0.10%

PASS

Element1 : Pass
 dc (3.30%) : Pass
 dmax (4.00%) : Pass
 d(t) (500ms) : Pass
 Pst (1.00%) : Pass
 Plt (0.65) : Pass

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.09	1.24	0.00	0.58
				Plt
				0.25