SECTION 2

Test Reports of Emission

(EN55022/2010, EN61000-3-2/2006+A1/2009+A2/2009, EN61000-3-3/2008)

EN55022/2010
Radiated Interference Measurement

Equipment	*Model*	*Serial No.*
Multi-Function Printer	ECOCYS M3560idn	ZSS3X00020
Paper Feeder	PF-320	NUS3525018
		NUS3525035
		NUS3525092
		NUS3524709
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

This test was applied as follows.

(30MHz – 1GHz)

Frequency	*Limit*	*Result*
30 - 230 MHz	30dB	Pass
230 - 1000 MHz	37dB	Pass

(1GHz-6GHz)

Frequency	*Limit*		*Result*
	Average	*Peak*	
1 - 3 GHz	50dB	70dB	Pass
3 - 6 GHz	54dB	74dB	Pass

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

EN55022/2010
Conducted Interference Measurement

Equipment	*Model*	*Serial No.*
Multi-Function Printer	ECOCYS M3560idn	ZSS3X00020
Paper Feeder	PF-320	NUS3525018
		NUS3525035
		NUS3525092
		NUS3524709
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

This test was applied as follows.

(AC Line)

Frequency	*Limit*	*Result*
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)

Frequency	*Current Limit*	*Result*
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.	: S1Y2101
Test Site	: Osaka No.2 / Osaka Big Semi AC
Date of Measurement	: November 8, 12, 26, 27, 2013
Temperature	: 16.1-22.4 degree C
Humidity	: 39.4-51.4 %
Manufacturer	: KYOCERA Document Solutions Inc.
Category	: EN55022: 2010 Class B
Equipment Under Test	: MFP
Model Name	: ECOSYS M3560idn
Serial No.	: ZSS3X00020

Power Supply

Voltage	:	AC 230V
Current	:	- A
Frequency	:	50 Hz

承 認	担 当
福田	高橋

TEST INSTRUMENTATION USED

< Conducted 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)

< Main & Telecommunication Ports >

Field Strength Meter ..... (ESCI/100706/Rohde & Schwarz/RE065/22 Aug.'13/Aug.'14)

Spectrum Analyzer..... (ESCI/100706/Rohde & Schwarz/RE065/22 Aug.'13/Aug.'14)

L.I.S.N..... (KNW-242C/8-654-9/Kyoritsu/LI021/25 Feb.'13/Feb.'14)

L.I.S.N..... (PN-T22/9409/Tokin/LI049/12 Mar.'13/Mar.'14)

ISN ..... (T200A/25710/TESEQ/LI082/14 Aug.'13/Aug.'14)

ISN ..... (ST08/30177/TESEQ/LI092/18 Feb.'13/Feb.'14)

50ohm terminator..... (CT-03NP/1190282/TME/ME513/05 Aug.'13/Aug.'14)

Coaxial Cable..... (5D-2W/---/Tokin/DK170/24 Mar.'13/Mar.'14)

Shielded Room..... (Osaka No.2-S/Osaka No.2-S/Tokin/SA023/---/---)

Software ..... (EP5CE/9902044/TOYO/SW025-6/---/---)

Software ..... (EMC Data Calculation Program/---/AES/SW059-1/---/---)

< 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/100295/Rohde & Schwarz/RE060/11 Aug.'13/Aug.'14)
Spectrum Analyzer..... (ESCI/100295/Rohde & Schwarz/RE060/11 Aug.'13/Aug.'14)
Biconical Antenna..... (VHA9103/2443/Schwarzbeck/TB038/03 Apr.'13/Apr.'14)
Logperiodic Antenna..... (UHALP9108-A/UHALP9108-A0754/Schwarzbeck/
TL026/03 Apr.'13/Apr.'14)
Pre-Amplifier ..... (310N/261803/Sonowa instrument Co./AM037/24 Mar.'13/Mar.'14)
Site Establishment Cable.. (DKT33/10m/30-1000MHz/R/Tokin/DKT33/24 Mar.'13/Mar.'14)
Semi Anechoic Chamber.. (Osaka Big Semi AC/Osaka Big Semi AC/Tokin/
SA027/24 Mar.'13/Mar.'14)
Software ..... (EP5RE/---/TOYO/SW035-5/---/---)
Software ..... (EMC Data Calculation Program/---/AES/SW059-1/---/---)

< 1000MHz to 5000MHz >

Field Strength Meter..... (ESCI/100295/Rohde & Schwarz/RE060/11 Aug.'13/Aug.'14)
Spectrum Analyzer..... (E7405A/MY45114337/Agilent Technology/SP062/4 Mar.'13/Mar.'14)
DRG Horn Antenna..... (3117/00114388/ETS-LINDGREN/AN056/08 Apr.'13/Apr.'14)
Pre-amplifier..... (TPA0108-40/0608/TOYO/AM049/24 Mar.'13/Mar.'14)
Coaxial Cable..... (SUCOFLEX104A/46235/4A/HUBER+SUHNER/
DK296/24 Mar.'13/Mar.'14)
Coaxial Cable..... (SUCOFLEX104A/46236/4A/HUBER+SUHNER/
DK297/24 Mar.'13/Mar.'14)
Semi Anechoic Chamber.. (Osaka Big Semi AC/S-VSWR/Tokin/SA034/24 Mar.'13/Mar.'14)
Software ..... (EP5RE/---/TOYO/SW035-5/---/---)
Software ..... (EMC Data Calculation Program/---/AES/SW059-1/---/---)

◎EUT

Equipment	Model	S/N	System			Manufacturer
			A	B	C	
MFP	ECOSYS M3560idn	ZSS3X00020	●	●	●	Kyocera Document
Paper Feeder	PF-320	NUS3525018	●	●	●	Kyocera Document
		NUS3525035	●	●	●	
		NUS3525092	●	●	●	
		NUS3524709	●	●	●	
Hard Disk Drive	HD-7	TEST-1			●	Kyocera Document
Printer NIC	IB-50	TEST-1	●			Kyocera Document
	IB-51	TEST-1		●		Kyocera Document
PC	PC-MY30VEZE3	79007631A	●	●	●	NEC
HUB	CentreCOM GS908XL	007613G101300195 E1	●	●	●	Allied Telesis
FAX Simulator	NSE3	10261	●	●	●	Arai Electric
FAX	FS-1135MFP	SPL1715775	●	●	●	Kyocera Document
Telephone	TE-202	8100758A	●	●	●	TAKACHIHO

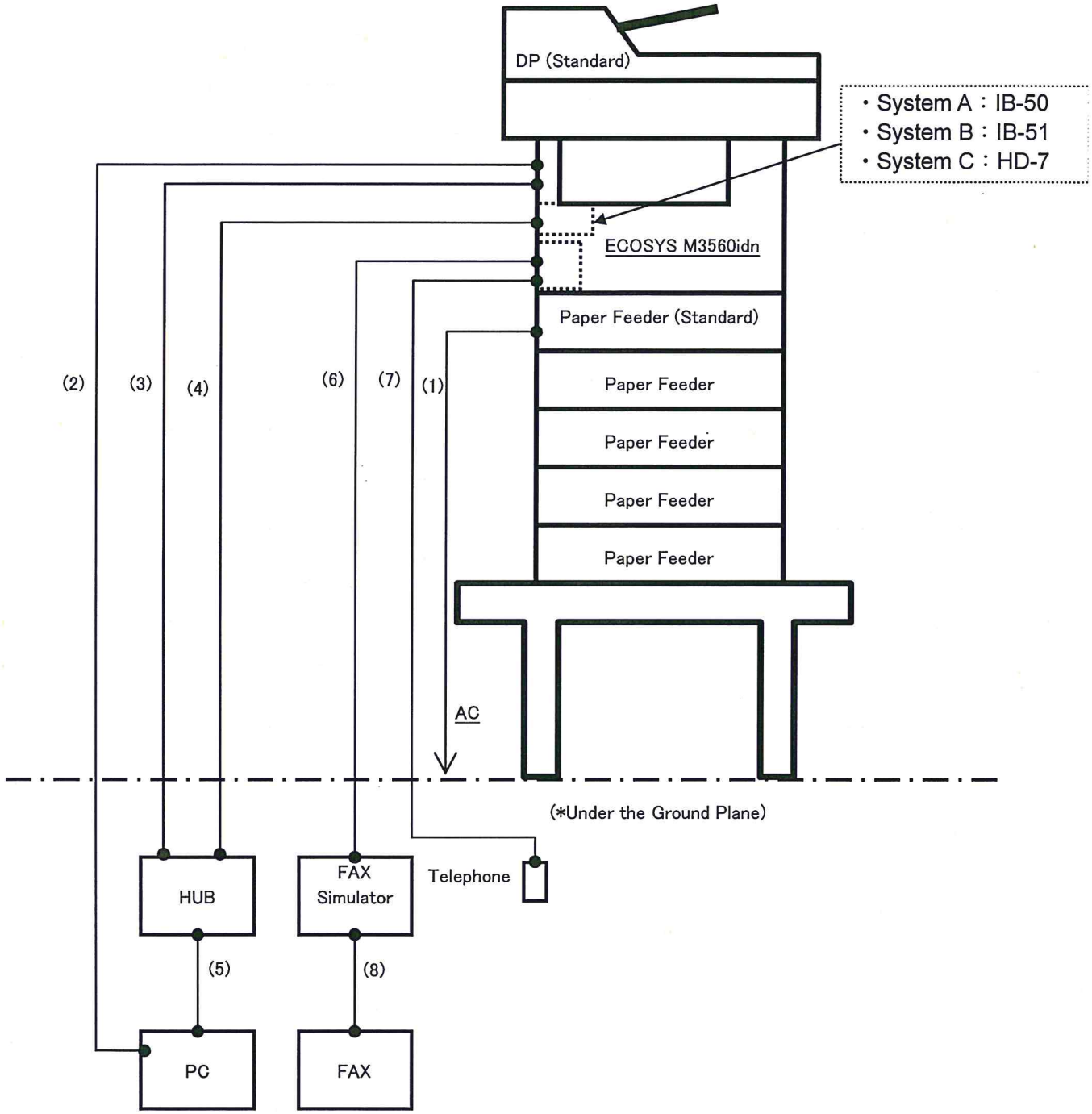
◎Operation Modes

No.	Operation Mode	System	Rad.EMI		Con.EMI
			MHz	GHz	
①	Standby	A	○	○	○
②	Copy	A	○	○	○
③	LAN Print (On Board) + FAX TX	B	○	---	○
④	USB Print + FAX RX	C	○	---	---
⑥	LAN Print (On Board) (Telecommunication Ports)	A	---	---	○
⑦	FAX RX (Telecommunication Ports)	A	---	---	○

◎Connected Cable / Cord

No.	Cable / Cord	Length	Core	Shielded	Connecter
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(Option) for Printer	10 m	---	○	Metallic
5	LAN Cable for PC	1 m	---	○	Metallic
6	Modular Cord for FAX Kit	7 m	---	---	Resinous
7	Modular Cord for Telephone	7 m	---	---	Resinous
8	Modular Cord for FAX	1 m	---	---	Resinous

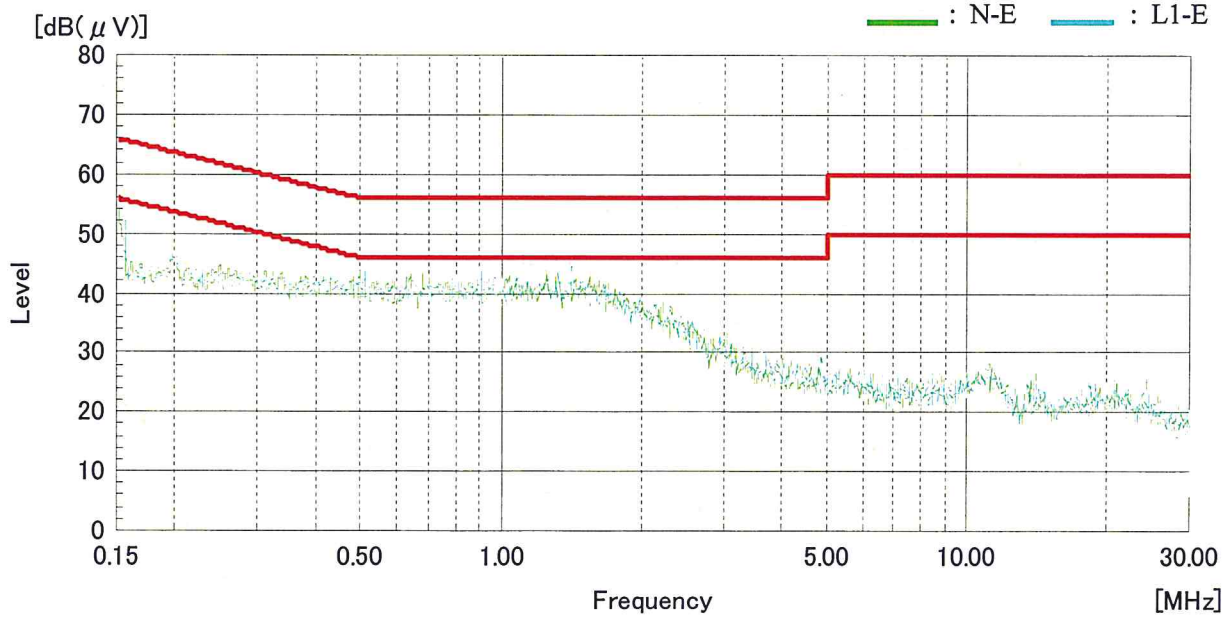
◎Equipment Connection Figure



雑音端子電圧試験結果（ QP: 準尖頭値 ，AV: 平均値 ）

Operating mode:	Standby	Date of measurement:	November 12, 2013
Test procedure:	EN55022:2010 Class B	Temperature:	20.5 degree C
Tested condition:	Power input 1phase AC230V	Humidity:	45.5 %
Test line:	AC Power Cord	System:	A

	Frequency	Level		Total	Result		Limit		Margin	
		QP	AV	Factor	QP	AV	QP	AV	QP	AV
	(MHz)	(dBμV)		(dB)	(dBμV)		(dBμV)		(dB)	
N-E	0.150	42.0	32.5	10.2	52.2	42.7	66.0	56.0	13.8	13.3
	0.198	33.0	21.5	10.2	43.2	31.7	63.7	53.7	20.5	22.0
	0.296	23.8	18.3	10.2	34.0	28.5	60.4	50.4	26.4	21.9
	0.642	12.5	8.2	10.2	22.7	18.4	56.0	46.0	33.3	27.6
	0.940	11.5	6.4	10.2	21.7	16.6	56.0	46.0	34.3	29.4
	1.334	10.0	4.1	10.3	20.3	14.4	56.0	46.0	35.7	31.6
L1-E	0.150	42.8	32.8	10.2	53.0	43.0	66.0	56.0	13.0	13.0
	0.198	33.4	21.6	10.2	43.6	31.8	63.7	53.7	20.1	21.9
	0.295	24.3	18.8	10.2	34.5	29.0	60.4	50.4	25.9	21.4
	0.542	11.9	8.0	10.2	22.1	18.2	56.0	46.0	33.9	27.8
	0.892	11.9	5.8	10.2	22.1	16.0	56.0	46.0	33.9	30.0
	1.370	10.2	3.2	10.2	20.4	13.4	56.0	46.0	35.6	32.6



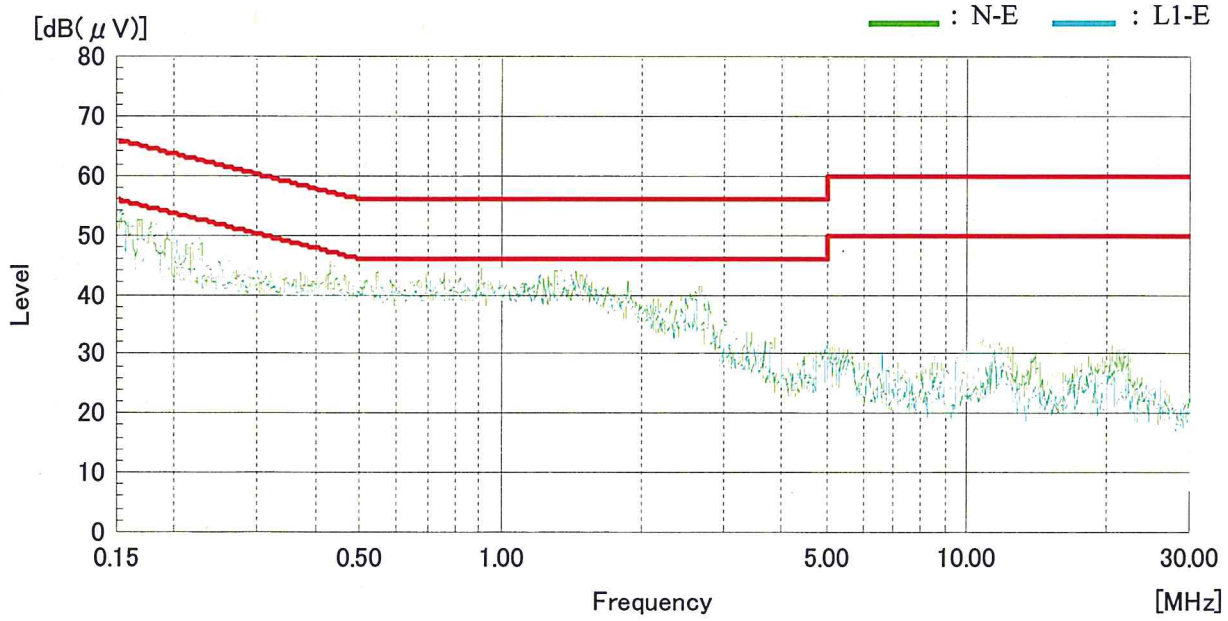
Tested by

Sho Takahashi, Engineer

雑音端子電圧試験結果（ QP: 準尖頭値 ， AV: 平均値 ）

Operating mode:	Copy	Date of measurement:	November 12, 2013
Test procedure:	EN55022:2010 Class B	Temperature:	20.5 degree C
Tested condition:	Power input 1phase AC230V	Humidity:	45.5 %
Test line:	AC Power Cord	System:	A

	Frequency	Level		Total	Result		Limit		Margin	
		QP	AV	Factor	QP	AV	QP	AV	QP	AV
	(MHz)	(dBμV)		(dB)	(dBμV)		(dBμV)		(dB)	
N-E	0.150	36.6	8.6	10.2	46.8	18.8	66.0	56.0	19.2	37.2
	0.178	37.4	29.2	10.2	47.6	39.4	64.6	54.6	17.0	15.2
	0.474	11.8	10.1	10.2	22.0	20.3	56.4	46.4	34.4	26.1
	0.534	10.6	8.9	10.2	20.8	19.1	56.0	46.0	35.2	26.9
	1.958	18.6	17.4	10.3	28.9	27.7	56.0	46.0	27.1	18.3
	2.669	28.1	26.6	10.3	38.4	36.9	56.0	46.0	17.6	9.1
L1-E	0.150	37.4	8.8	10.2	47.6	19.0	66.0	56.0	18.4	37.0
	0.178	38.1	29.6	10.2	48.3	39.8	64.6	54.6	16.3	14.8
	0.475	14.2	13.2	10.2	24.4	23.4	56.4	46.4	32.0	23.0
	1.068	17.1	16.0	10.2	27.3	26.2	56.0	46.0	28.7	19.8
	1.484	15.6	13.3	10.2	25.8	23.5	56.0	46.0	30.2	22.5
	2.670	28.4	27.0	10.2	38.6	37.2	56.0	46.0	17.4	8.8



Tested by

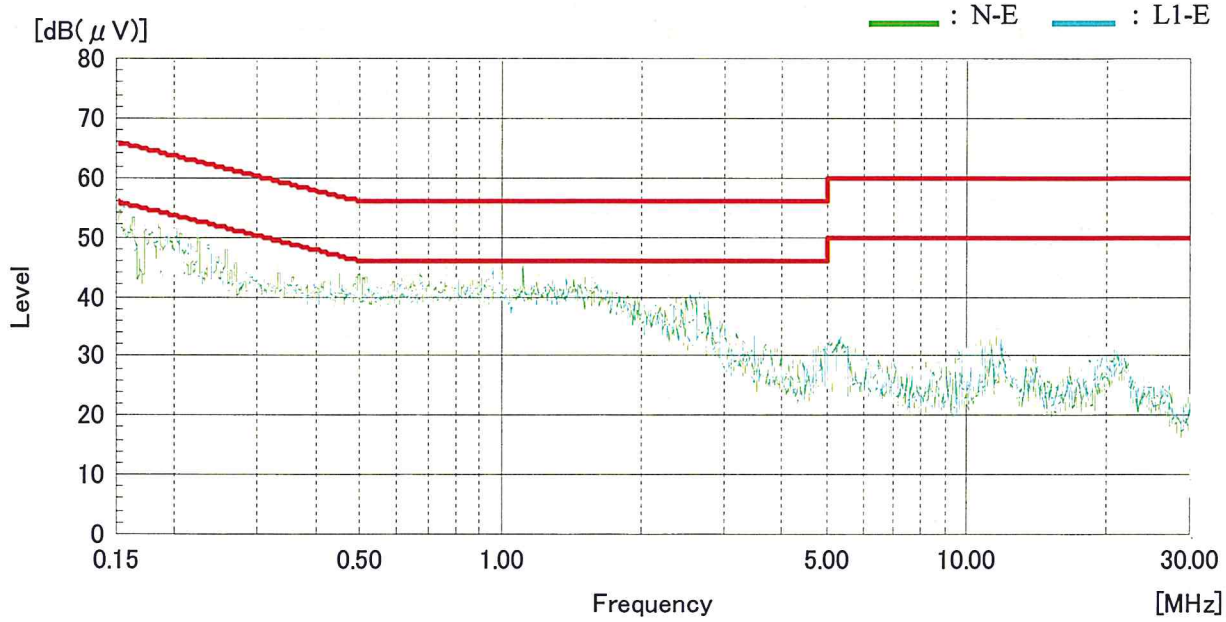
Sho Takahashi, Engineer

雑音端子電圧試験結果（ QP: 準尖頭値 ， AV: 平均値 ）

Operating mode: LAN Print(On Board)+ FAX TX
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test line: AC Power Cord

Date of measurement: November 12, 2013
Temperature: 20.5 degree C
Humidity: 45.5 %
System: B

	Frequency (MHz)	Level QP (dBμV)	Level AV (dBμV)	Total Factor (dB)	Result QP (dBμV)	Result AV (dBμV)	Limit QP (dBμV)	Limit AV (dBμV)	Margin QP (dB)	Margin AV (dB)
N-E	0.177	37.4	29.2	10.2	47.6	39.4	64.6	54.6	17.0	15.2
	0.297	22.3	18.4	10.2	32.5	28.6	60.3	50.3	27.8	21.7
	0.652	14.9	14.1	10.2	25.1	24.3	56.0	46.0	30.9	21.7
	1.066	15.8	14.6	10.3	26.1	24.9	56.0	46.0	29.9	21.1
	1.244	15.3	14.1	10.3	25.6	24.4	56.0	46.0	30.4	21.6
	2.605	28.9	27.1	10.3	39.2	37.4	56.0	46.0	16.8	8.6
L1-E	0.178	38.1	29.8	10.2	48.3	40.0	64.6	54.6	16.3	14.6
	0.296	23.3	18.9	10.2	33.5	29.1	60.4	50.4	26.9	21.3
	0.474	15.1	14.6	10.2	25.3	24.8	56.4	46.4	31.1	21.6
	0.947	14.1	11.4	10.2	24.3	21.6	56.0	46.0	31.7	24.4
	1.422	17.6	16.5	10.2	27.8	26.7	56.0	46.0	28.2	19.3
	2.667	29.4	28.3	10.2	39.6	38.5	56.0	46.0	16.4	7.5



Tested by

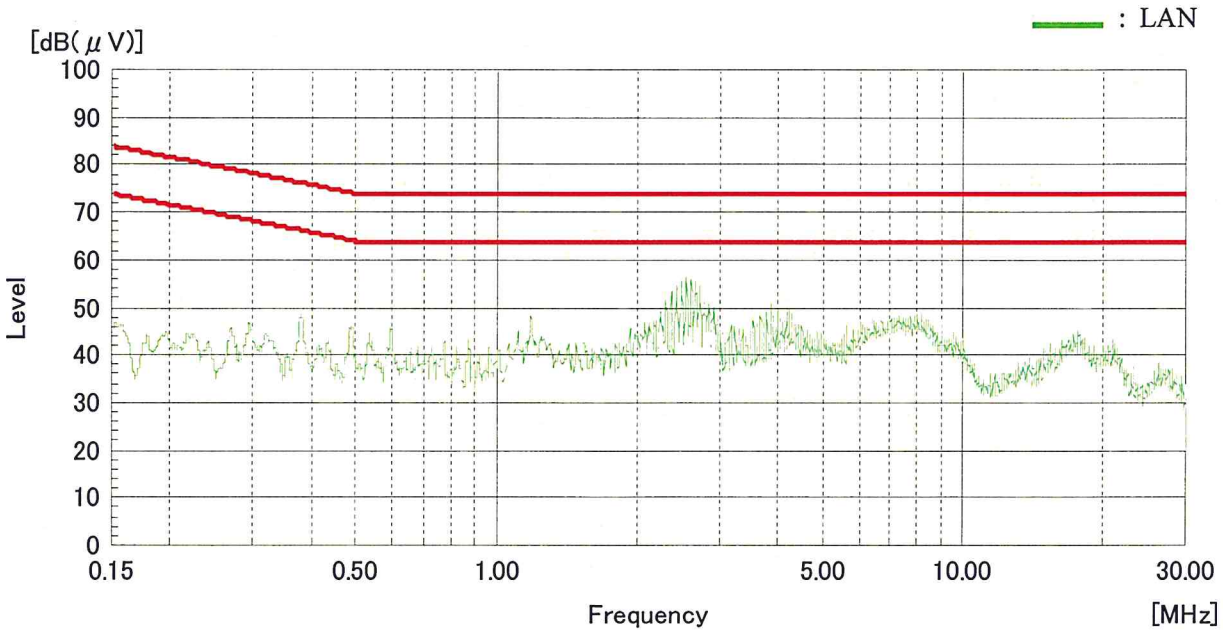
Sho Takahashi, Engineer

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 －

Operating mode: LAN Print (On Board)
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test line: LAN Cable

Date of measurement: November 12, 2013
Temperature: 20.5 degree C
Humidity: 45.5 %
System: A

	Frequency	Level		Total	Result		Limit		Margin	
		QP	AV	Factor	QP	AV	QP	AV	QP	AV
	(MHz)	(dBμV)		(dB)	(dBμV)		(dBμV)		(dB)	
LAN	0.379	37.3	37.0	9.6	46.9	46.6	76.3	66.3	29.4	19.7
	1.186	33.5	27.5	9.7	43.2	37.2	74.0	64.0	30.8	26.8
	2.550	46.1	43.6	9.7	55.8	53.3	74.0	64.0	18.2	10.7
	2.610	44.8	43.6	9.7	54.5	53.3	74.0	64.0	19.5	10.7
	3.859	38.0	35.7	9.7	47.7	45.4	74.0	64.0	26.3	18.6
	7.615	33.2	27.9	9.8	43.0	37.7	74.0	64.0	31.0	26.3



Tested by

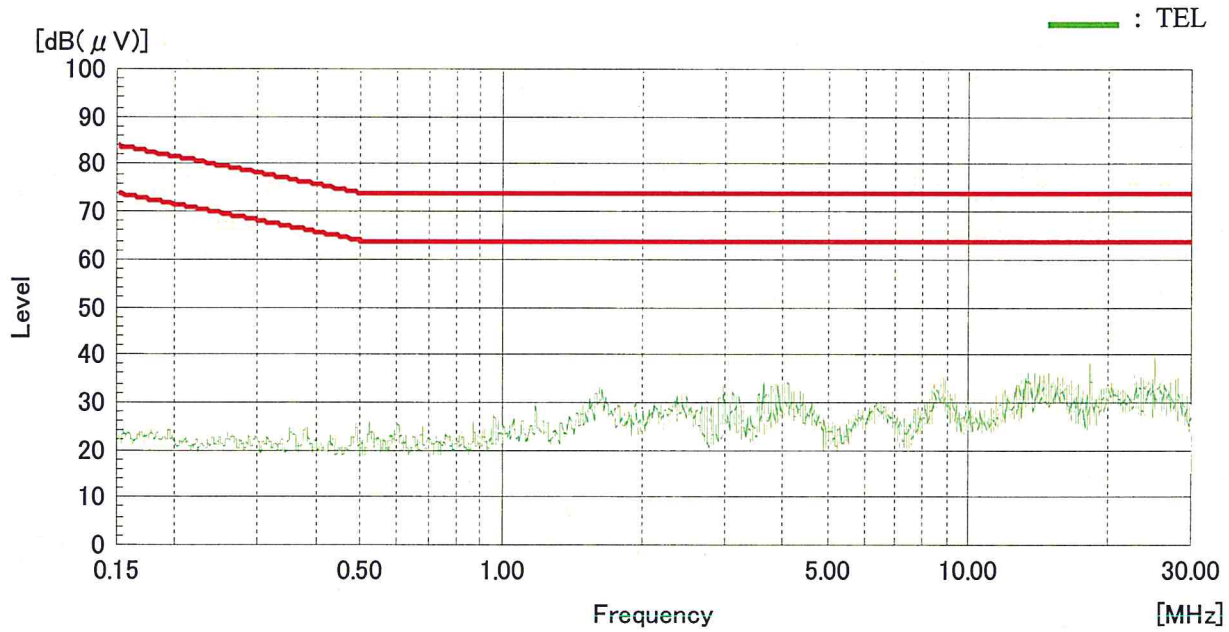
Sho Takahashi, Engineer

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 －

Operating mode: FAX RX
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test line: Modular Cord

Date of measurement: November 12, 2013
Temperature: 20.5 degree C
Humidity: 45.5 %
System: A

	Frequency	Level		Total	Result		Limit		Margin	
		QP	AV	Factor	QP	AV	QP	AV	QP	AV
	(MHz)	(dBμV)		(dB)	(dBμV)		(dBμV)		(dB)	
TEL	2.990	22.7	21.3	9.7	32.4	31.0	74.0	64.0	41.6	33.0
	4.049	24.6	21.4	9.7	34.3	31.1	74.0	64.0	39.7	32.9
	8.694	20.5	18.2	9.8	30.3	28.0	74.0	64.0	43.7	36.0
	14.161	23.2	21.3	9.9	33.1	31.2	74.0	64.0	40.9	32.8
	18.311	25.7	24.4	9.9	35.6	34.3	74.0	64.0	38.4	29.7
	24.878	22.5	19.9	10.0	32.5	29.9	74.0	64.0	41.5	34.1



Tested by

Sho Takahashi, Engineer

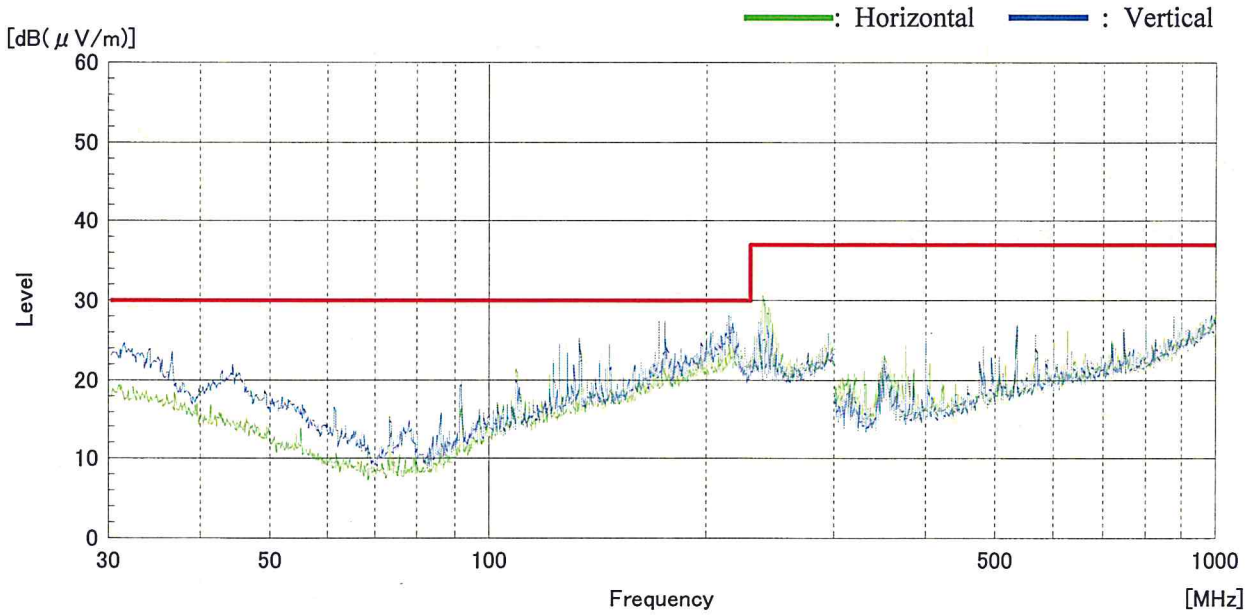
雑音電界強度試験結果（ QP: 準尖頭値 ）

Operating mode: Standby
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 10 m

Date of measurement: November 8, 2013
Temperature: 21.8 degree C
Humidity: 51.4 %
System: A

< 30MHz to 1000MHz >

Frequency (MHz)	Level Ver. (dBµV)	Level Hor. (dBµV)	Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result Ver. (dBµV/m)	Result Hor. (dBµV/m)	10m Limit (dBµV/m)	Margin Ver. (dB)	Margin Hor. (dB)
36.59	31.0		1.8	-32.7	21.2	21.3		30.0	8.7	
133.57		32.6	3.5	-32.6	19.7		23.2	30.0		6.8
171.56	27.5		4.0	-32.6	21.4	20.3		30.0	9.7	
175.00	32.5		4.1	-32.6	21.7	25.7		30.0	4.3	
201.21		27.5	4.4	-32.6	22.6		21.9	30.0		8.1
214.22	29.9		4.6	-32.6	22.7	24.6		30.0	5.4	
234.83		29.1	4.8	-32.6	22.8		24.1	37.0		12.9
625.00		29.3	8.5	-32.6	19.6		24.8	37.0		12.2
800.00	28.3		9.5	-32.5	21.0	26.3		37.0	10.7	
875.00	28.3	30.7	10.0	-32.2	21.9	28.0	30.4	37.0	9.0	6.6
1000.00	25.1	22.3	10.8	-31.1	23.2	28.0	25.2	37.0	9.0	11.8



Tested by

Sho Takahashi, Engineer

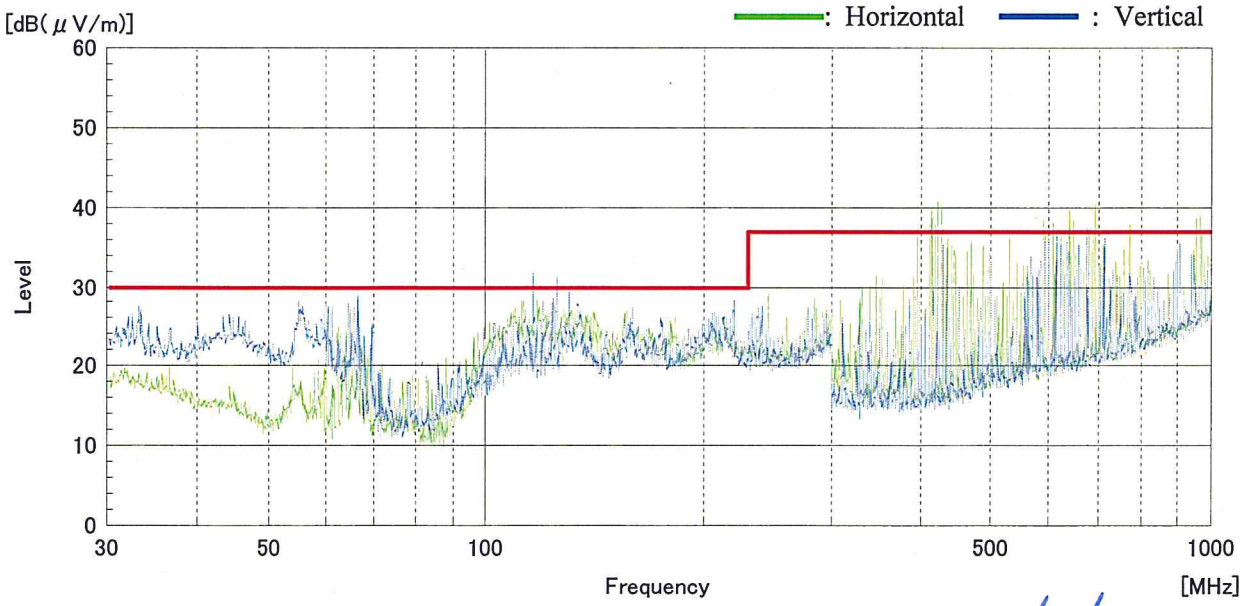
雑音電界強度試験結果（ QP: 準尖頭値 ）

Operating mode: Copy
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 10 m

Date of measurement: November 26, 2013
Temperature: 16.3 degree C
Humidity: 45.8 %
System: A

< 30MHz to 1000MHz >

Frequency	Level		Cable	Amp.	Ant.	Result		10m	Margin	
	Ver.	Hor.	Loss	Gain	Factor	Ver.	Hor.	Limit	Ver.	Hor.
(MHz)	(dBµV)		(dB)	(dB)	(dB/m)	(dBµV/m)		(dBµV/m)	(dB)	
32.67	33.1		1.7	-32.7	22.5	24.6		30.0	5.4	
33.29	33.9		1.7	-32.7	22.3	25.2		30.0	4.8	
33.59	33.0		1.7	-32.7	22.2	24.2		30.0	5.8	
36.67	31.3		1.8	-32.7	21.2	21.6		30.0	8.4	
55.10	39.7		2.2	-32.7	14.9	24.1		30.0	5.9	
65.35	37.3		2.4	-32.7	12.8	19.8		30.0	10.2	
108.59		35.7	3.2	-32.6	17.2		23.5	30.0		6.5
123.37	34.4	30.9	3.4	-32.6	18.8	24.0	20.5	30.0	6.0	9.5
125.00	35.4	31.3	3.4	-32.6	19.0	25.2	21.1	30.0	4.8	8.9
160.10		27.9	3.9	-32.6	21.0		20.2	30.0		9.8
220.51	29.7		4.6	-32.6	22.7	24.4		30.0	5.6	
404.28		28.7	6.5	-32.5	16.9		19.6	37.0		17.4
427.48	21.6		6.8	-32.6	17.2	13.0		37.0	24.0	
533.33		33.5	7.8	-32.5	18.4		27.2	37.0		9.8
620.51	22.5		8.5	-32.6	19.6	18.0		37.0	19.0	
750.01	33.2	31.0	9.1	-32.6	20.8	30.5	28.3	37.0	6.5	8.7
875.00	28.3	30.4	10.0	-32.2	21.9	28.0	30.1	37.0	9.0	6.9
927.11	19.4		10.3	-31.8	22.5	20.4		37.0	16.6	
954.75		18.3	10.5	-31.6	22.8		20.0	37.0		17.0



Tested by

Sho Takahashi, Engineer

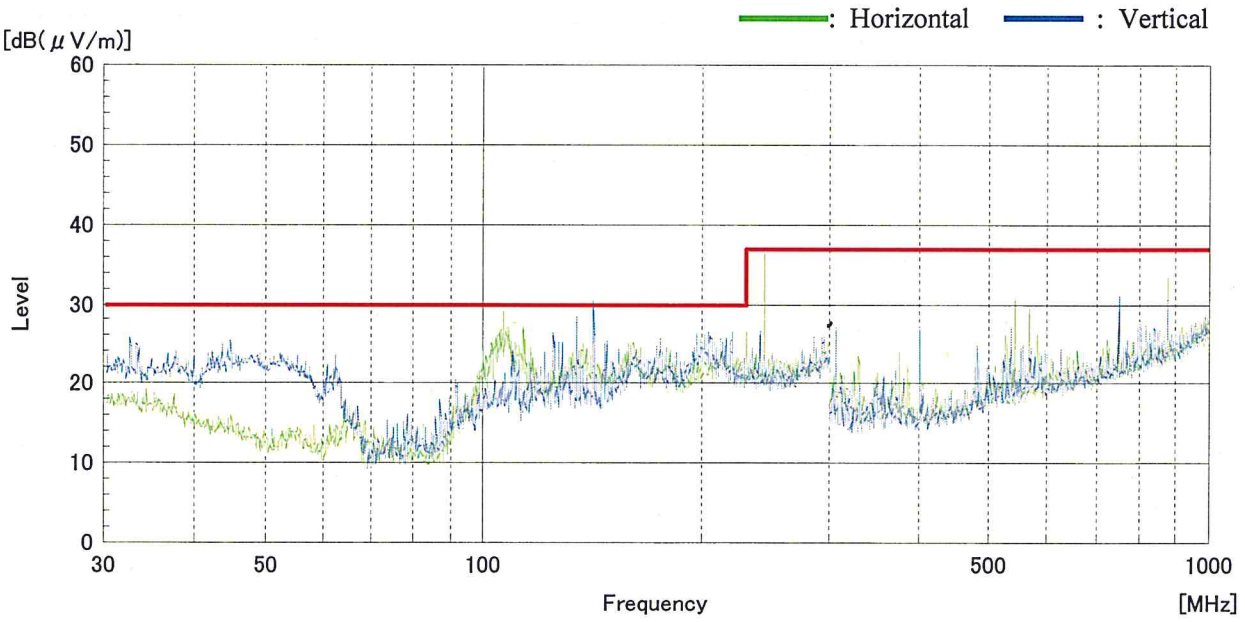
雑音電界強度試験結果（ QP: 準尖頭値 ）

Operating mode: LAN Print (On Board) + FAX TX
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 10 m

Date of measurement: November 26, 2013
Temperature: 16.3 degree C
Humidity: 45.8 %
System: B

< 30MHz to 1000MHz >

Frequency	Level		Cable	Amp.	Ant.	Result		10m	Margin	
	Ver.	Hor.	Loss	Gain	Factor	Ver.	Hor.	Limit	Ver.	Hor.
(MHz)	(dBμV)		(dB)	(dB)	(dB/m)	(dBμV/m)		(dBμV/m)	(dB)	
32.65	30.5		1.7	-32.7	22.5	22.0		30.0	8.0	
108.63		35.7	3.2	-32.6	17.2		23.5	30.0		6.5
125.00	34.5		3.4	-32.6	19.0	24.3		30.0	5.7	
134.47	30.9		3.5	-32.6	19.8	21.6		30.0	8.4	
141.59	28.8		3.6	-32.6	20.2	20.0		30.0	10.0	
229.98		21.1	4.7	-32.6	22.8		16.0	30.0		14.0
250.00		24.4	5.0	-32.5	22.8		19.7	37.0		17.3
533.33	35.5	36.4	7.8	-32.5	18.4	29.2	30.1	37.0	7.8	6.9
750.00	33.5	32.0	9.1	-32.6	20.8	30.8	29.3	37.0	6.2	7.7
875.00	29.3	29.4	10.0	-32.2	21.9	29.0	29.1	37.0	8.0	7.9



Tested by

Sho Takahashi, Engineer

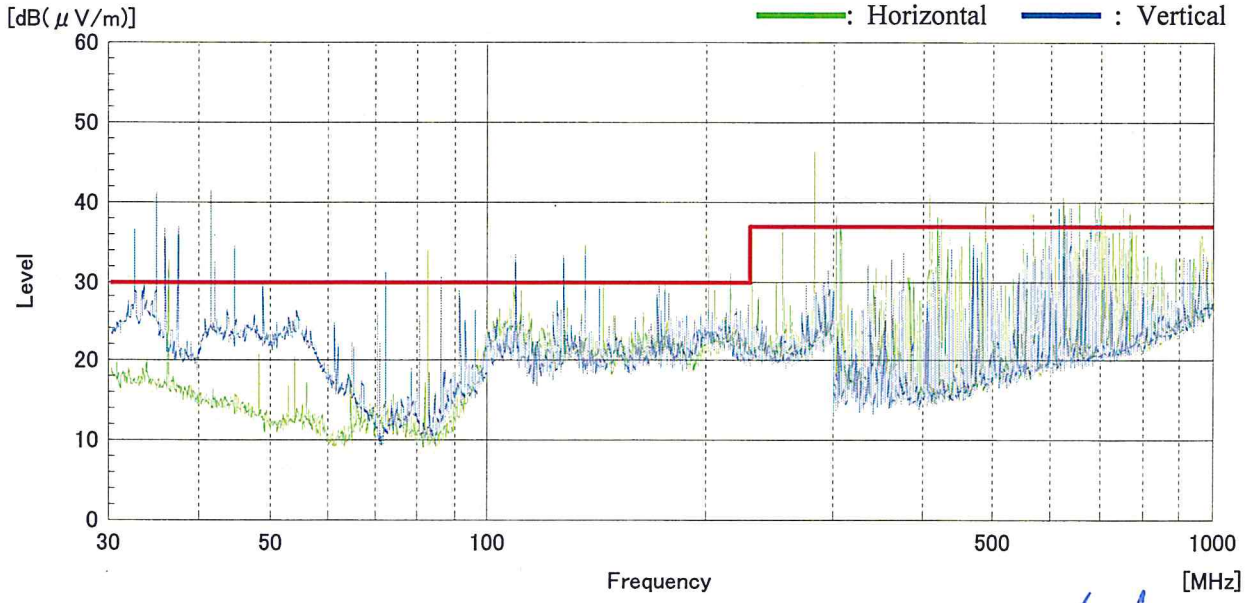
雑音電界強度試験結果（ QP: 準尖頭値 ）

Operating mode: USB Print + FAX RX
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 10 m

Date of measurement: November 26, 2013
Temperature: 22.4 degree C
Humidity: 40.2 %
System: C

< 30MHz to 1000MHz >

Frequency	Level		Cable	Amp.	Ant.	Result		10m	Margin	
	Ver.	Hor.	Loss	Gain	Factor	Ver.	Hor.	Limit	Ver.	Hor.
(MHz)	(dBµV)		(dB)	(dB)	(dB/m)	(dBµV/m)		(dBµV/m)	(dB)	
32.70	33.7		1.7	-32.7	22.5	25.2		30.0	4.8	
33.33	35.3		1.7	-32.7	22.3	26.6		30.0	3.4	
37.17		23.0	1.8	-32.7	21.0		13.1	30.0		16.9
88.73		23.2	2.8	-32.6	13.5		6.9	30.0		23.1
91.89	35.1		2.9	-32.6	14.1	19.5		30.0	10.5	
108.97		30.3	3.2	-32.6	17.2		18.1	30.0		11.9
125.00	33.1		3.4	-32.6	19.0	22.9		30.0	7.1	
136.88	31.2		3.6	-32.6	19.9	22.1		30.0	7.9	
150.02	31.2		3.7	-32.6	20.6	22.9		30.0	7.1	
175.00	32.0		4.1	-32.6	21.7	25.2		30.0	4.8	
219.66		23.0	4.6	-32.6	22.7		17.7	30.0		12.3
438.91		24.8	6.9	-32.5	17.3		16.5	37.0		20.5
480.00	33.8		7.3	-32.6	17.7	26.2		37.0	10.8	
533.33	34.0	35.2	7.8	-32.5	18.4	27.7	28.9	37.0	9.3	8.1
600.00	29.7		8.3	-32.5	19.3	24.8		37.0	12.2	
625.00	26.9		8.5	-32.6	19.6	22.4		37.0	14.6	
750.00		25.9	9.1	-32.6	20.8		23.2	37.0		13.8
875.00	26.8	24.8	10.0	-32.2	21.9	26.5	24.5	37.0	10.5	12.5
960.00	26.4	23.3	10.5	-31.5	22.8	28.2	25.1	37.0	8.8	11.9



Tested by

Sho Takahashi, Engineer

雑音電界強度試験結果（ QP: 準尖頭値 ）

Operating mode: USB Print + FAX RX
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 10 m

Date of measurement: November 26, 2013
Temperature: 22.4 degree C
Humidity: 40.2 %
System: C

< 30MHz to 1000MHz > - ***Worst Case***

Frequency	Level		Cable	Amp.	Ant.	Result		10m	Margin	
	Ver.	Hor.	Loss	Gain	Factor	Ver.	Hor.	Limit	Ver.	Hor.
(MHz)	(dBµV)		(dB)	(dB)	(dB/m)	(dBµV/m)		(dBµV/m)	(dB)	
32.70	33.7		1.7	-32.7	22.5	25.2		30.0	4.8	
33.33	35.3		1.7	-32.7	22.3	26.6		30.0	3.4	
108.97		30.3	3.2	-32.6	17.2		18.1	30.0		11.9
125.00	33.1		3.4	-32.6	19.0	22.9		30.0	7.1	
136.88	31.2		3.6	-32.6	19.9	22.1		30.0	7.9	
150.02	31.2		3.7	-32.6	20.6	22.9		30.0	7.1	
175.00	32.0		4.1	-32.6	21.7	25.2		30.0	4.8	
219.66		23.0	4.6	-32.6	22.7		17.7	30.0		12.3
533.33		35.2	7.8	-32.5	18.4		28.9	37.0		8.1
750.00		25.9	9.1	-32.6	20.8		23.2	37.0		13.8
875.00		24.8	10.0	-32.2	21.9		24.5	37.0		12.5
960.00		23.3	10.5	-31.5	22.8		25.1	37.0		11.9

Tested by S. Takahashi

Sho Takahashi, Engineer

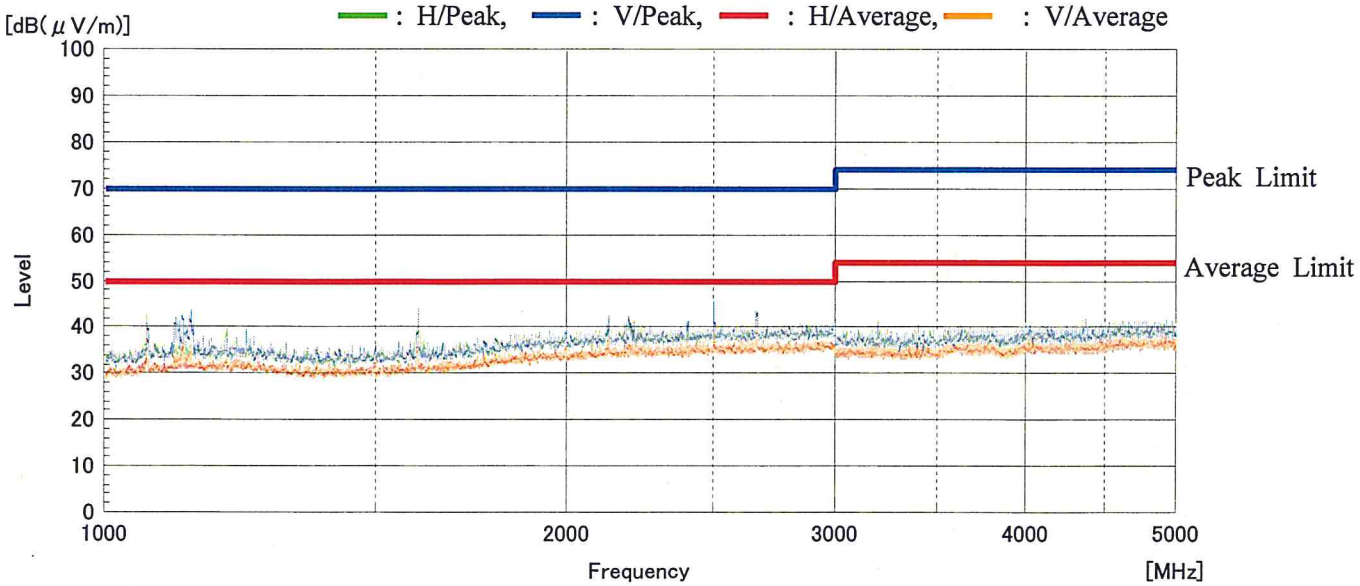
雑音電界強度試験結果（ Peak: 尖頭値, Average: 平均値 ）

Operating mode: Standby
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 3 m

Date of measurement: November 27, 2013
Temperature: 21.3 degree C
Humidity: 39.7 %
System: A

< 1000MHz to 5000MHz >

Frequency (MHz)	Level Ver. (dBµV)	Level Hor. (dBµV)	Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result Ver. (dBµV/m)	Result Hor. (dBµV/m)	3m Limit (dBµV/m)	Margin Ver. (dB)	Margin Hor. (dB)
Peak										
1066.61	58.8	62.2	1.8	-45.6	28.8	43.8	47.2	70.0	26.2	22.8
1600.00	59.7	57.5	2.2	-44.0	28.3	46.2	44.0	70.0	23.8	26.0
2133.30	53.4	54.4	2.6	-42.2	31.7	45.5	46.5	70.0	24.5	23.5
2249.98		51.1	2.6	-42.0	31.8		43.5	70.0		26.5
2400.00	52.7		2.7	-42.0	32.0	45.4		70.0	24.6	
2500.00	52.4	50.2	2.8	-42.0	32.3	45.5	43.3	70.0	24.5	26.7
2666.74	53.9	53.2	2.9	-42.2	32.4	47.0	46.3	70.0	23.0	23.7
Average										
1066.61	49.6	53.8	1.8	-45.6	28.8	34.6	38.8	50.0	15.4	11.2
1600.00	50.4	46.2	2.2	-44.0	28.3	36.9	32.7	50.0	13.1	17.3
2133.30	41.7	43.2	2.6	-42.2	31.7	33.8	35.3	50.0	16.2	14.7
2249.98		42.4	2.6	-42.0	31.8		34.8	50.0		15.2
2400.00	39.2		2.7	-42.0	32.0	31.9		50.0	18.1	
2500.00	44.1	40.5	2.8	-42.0	32.3	37.2	33.6	50.0	12.8	16.4
2666.74	42.7	40.7	2.9	-42.2	32.4	35.8	33.8	50.0	14.2	16.2



Tested by

Sho Takahashi, Engineer

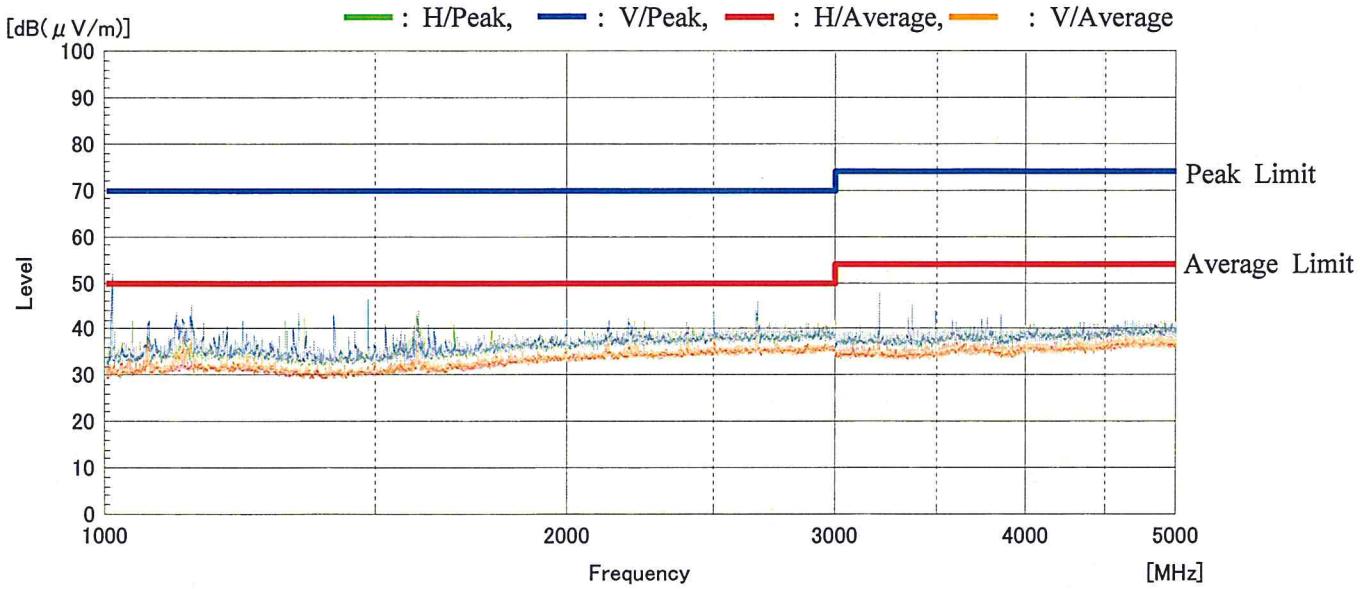
雑音電界強度試験結果（ Peak: 尖頭値, Average: 平均値 ）

Operating mode: Copy
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 3 m

Date of measurement: November 27, 2013
Temperature: 16.1 degree C
Humidity: 39.4 %
System: A

< 1000MHz to 5000MHz >

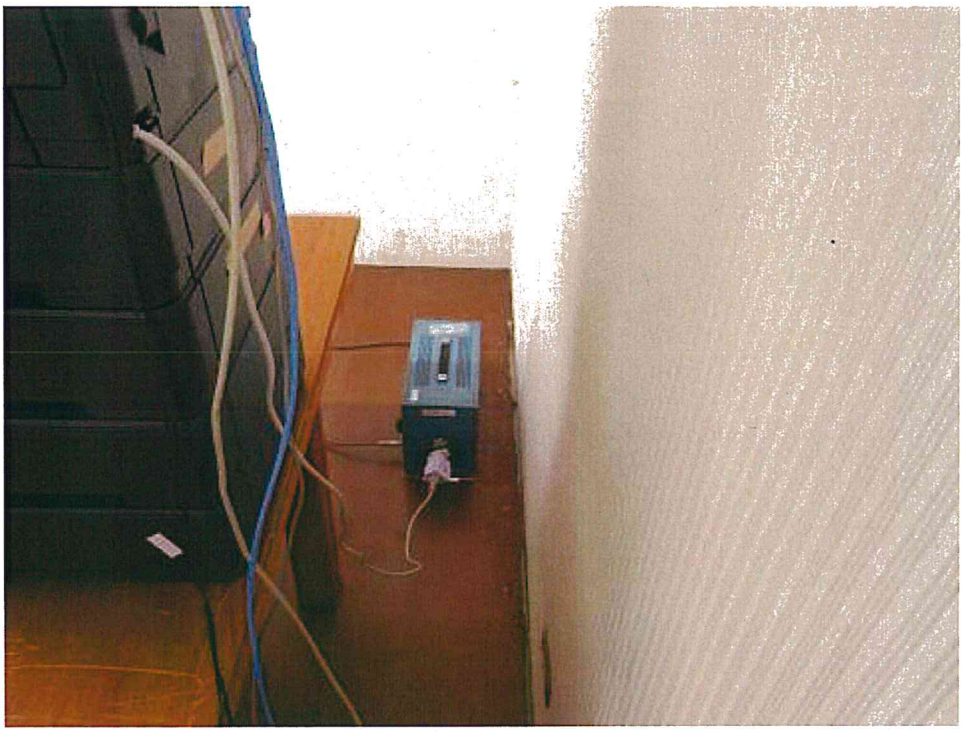
Frequency (MHz)	Level Ver. (dBµV)	Level Hor. (dBµV)	Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result Ver. (dBµV/m)	Result Hor. (dBµV/m)	3m Limit (dBµV/m)	Margin Ver. (dB)	Margin Hor. (dB)
Peak										
1066.61	74.3	75.5	1.8	-45.6	28.8	59.3	60.5	70.0	10.7	9.5
1138.97	67.8		1.8	-45.5	29.3	53.4		70.0	16.6	
1600.00	61.4	66.5	2.2	-44.0	28.3	47.9	53.0	70.0	22.1	17.0
2000.00		63.7	2.5	-42.6	31.2		54.8	70.0		15.2
2133.46	62.0		2.6	-42.2	31.7	54.1		70.0	15.9	
2250.00		59.6	2.6	-42.0	31.8		52.0	70.0		18.0
2500.00	55.9	61.5	2.8	-42.0	32.3	49.0	54.6	70.0	21.0	15.4
2666.65	59.5	57.0	2.9	-42.2	32.4	52.6	50.1	70.0	17.4	19.9
Average										
1066.61	49.8	50.7	1.8	-45.6	28.8	34.8	35.7	50.0	15.2	14.3
1138.97	43.2		1.8	-45.5	29.3	28.8		50.0	21.2	
1600.00	50.1	46.3	2.2	-44.0	28.3	36.6	32.8	50.0	13.4	17.2
2000.00		42.5	2.5	-42.6	31.2		33.6	50.0		16.4
2133.46	41.3		2.6	-42.2	31.7	33.4		50.0	16.6	
2250.00		39.5	2.6	-42.0	31.8		31.9	50.0		18.1
2500.00	44.8	39.4	2.8	-42.0	32.3	37.9	32.5	50.0	12.1	17.5
2666.65	43.4	40.2	2.9	-42.2	32.4	36.5	33.3	50.0	13.5	16.7



Tested by

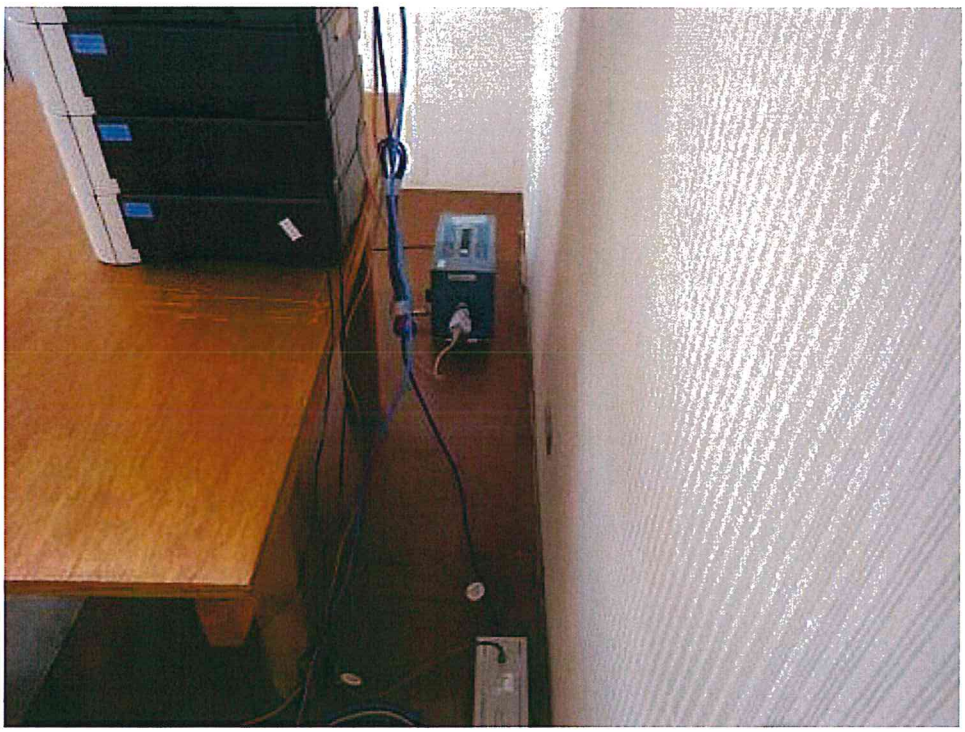
Sho Takahashi, Engineer

(Conducted Emission)



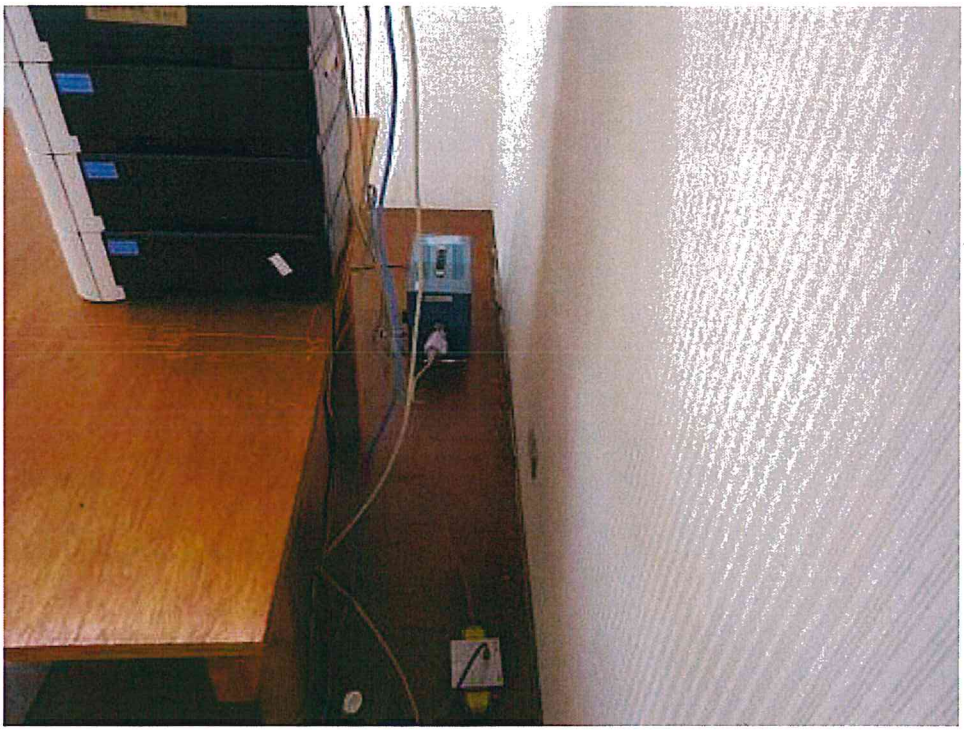
(Conducted Emission for Telecommunication ports)

- LAN -

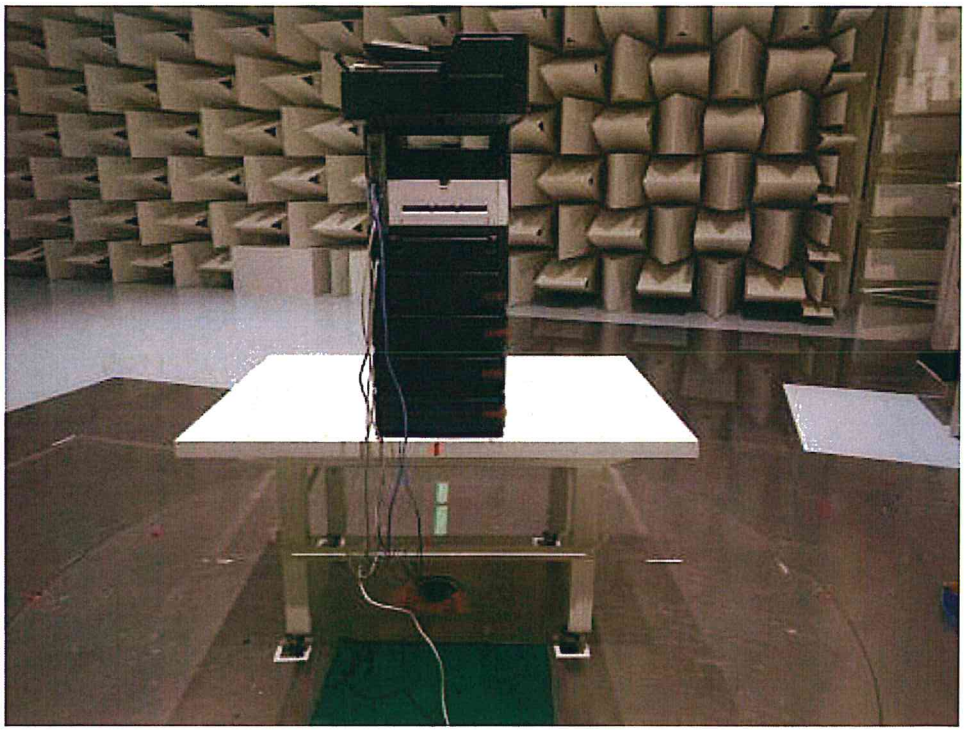


(Conducted Emission for Telecommunication ports)

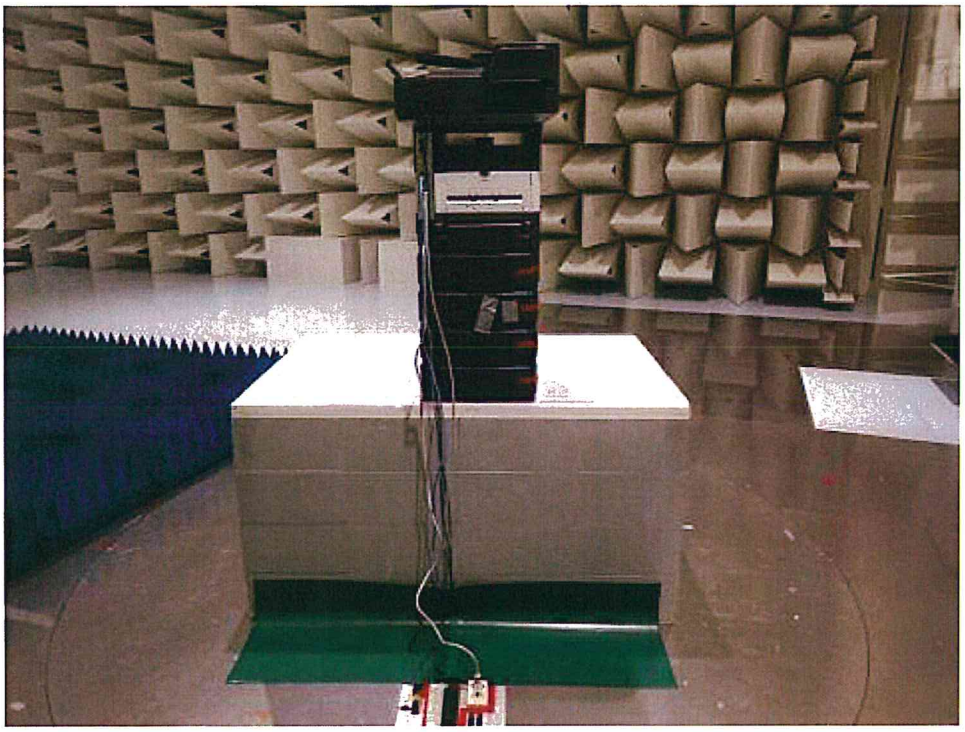
- FAX -



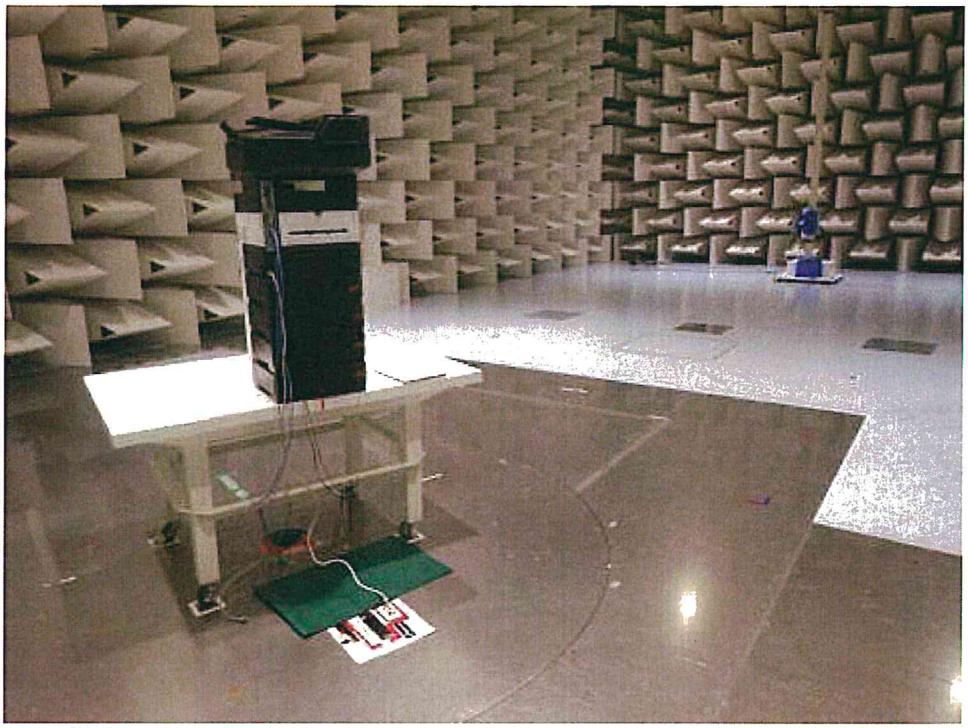
(Radiated Emission)



(Radiated Emission) -GHz-



(Radiated Emission / Worst Case)



EN61000-3-2/2006+A1/2009+A2/2009
Harmonic Current Measurement

Equipment	***Model***	***Serial No.***
Multi-Function Printer	ECOCYS M3560idn	ZSS3X00020
Paper Feeder	PF-320	NUS3525018
		NUS3525035
		NUS3525092
		NUS3524709
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

Date ..... : 6 December, 2013
Temperature ..... : 23℃
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.

Odd-harmonics			Even-harmonics		
Order (n)	***Limit***	***Result***	***Order (n)***	***Limit***	***Result***
3	2.30 A	Pass	2	1.08 A	Pass
5	1.14 A		4	0.43 A	
7	0.77 A		6	0.30 A	
9	0.40 A		8≦n≦40	0.23 x 8 / n A	
11	0.33 A				
13	0.21 A				
15≦n<40	0.15 x 8 / n A				

Test equipment used : Analyzing System : WT3000 (Yokogawa Electric Corporation)

ECOSYS M3560idn (Average)

Print Date	:	Fri Dec 06 14:14:37 2013
MeasureDate	:	Fri Dec 06 14:13:17 2013
Comment	:	Standby (Option)PF-320*4, IB-50

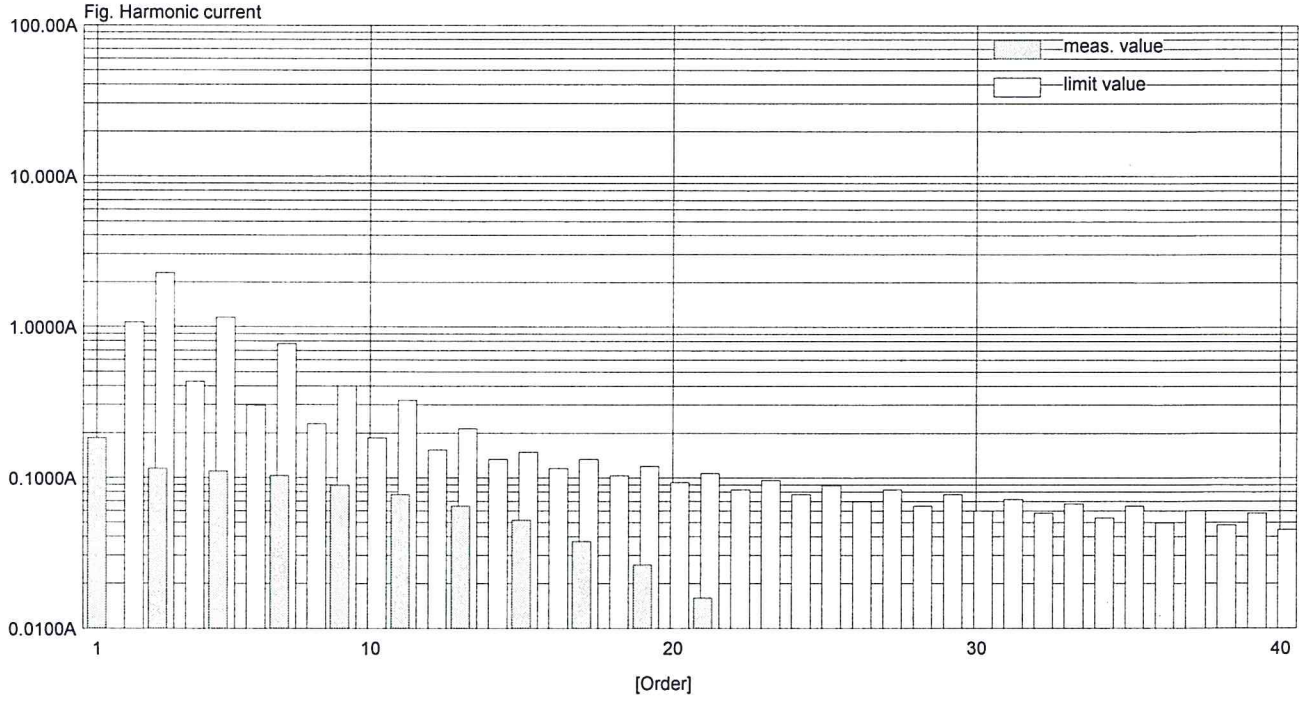
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	0.3265 A
Voltage(rms)	:	230.42 V
Frequency	:	50.000 Hz
Power Factor	:	0.4802
POHC Limit	:	0.2514 A
POHC Max	:	0.0281 A
THC	:	0.2463 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	344.8840 W
Sigma PF	:	0.4802
Distortion factor(V)	:	0.06 %
V THDS	:	0.06 %
V THDG	:	0.07 %
Distortion factor(A)	:	183.46 %
A THDS	:	183.47 %
A THDG	:	183.51 %
P THD	:	0.05 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.1822			2	0.0052	1.0800	99.5
3	0.1172	2.3000	94.9	4	0.0044	0.4300	99.0
5	0.1107	1.1400	90.3	6	0.0038	0.3000	98.7
7	0.1019	0.7700	86.8	8	0.0033	0.2300	98.6
9	0.0909	0.4000	77.3	10	0.0027	0.1840	98.5
11	0.0784	0.3300	76.2	12	0.0021	0.1533	98.6
13	0.0650	0.2100	69.0	14	0.0016	0.1314	98.8
15	0.0515	0.1500	65.7	16	0.0012	0.1150	99.0
17	0.0384	0.1324	71.0	18	0.0009	0.1022	99.1
19	0.0263	0.1184	77.8	20	0.0009	0.0920	99.0
21	0.0158	0.1071	85.2	22	0.0010	0.0836	98.9
23	0.0076	0.0978	92.3	24	0.0010	0.0767	98.7
25	0.0036	0.0900	95.9	26	0.0010	0.0708	98.6
27	0.0062	0.0833	92.5	28	0.0009	0.0657	98.6
29	0.0087	0.0776	88.8	30	0.0008	0.0613	98.6
31	0.0097	0.0726	86.6	32	0.0007	0.0575	98.8
33	0.0095	0.0682	86.1	34	0.0006	0.0541	98.9
35	0.0082	0.0643	87.2	36	0.0006	0.0511	98.9
37	0.0062	0.0608	89.8	38	0.0006	0.0484	98.7
39	0.0040	0.0577	93.0	40	0.0006	0.0460	98.6

Fig. Harmonic current



ECOSYS M3560idn (Maximum)

Print Date	:	Fri Dec 06 14:14:38 2013
MeasureDate	:	Fri Dec 06 14:13:17 2013
Comment	:	Standby (Option)PF-320*4, IB-50

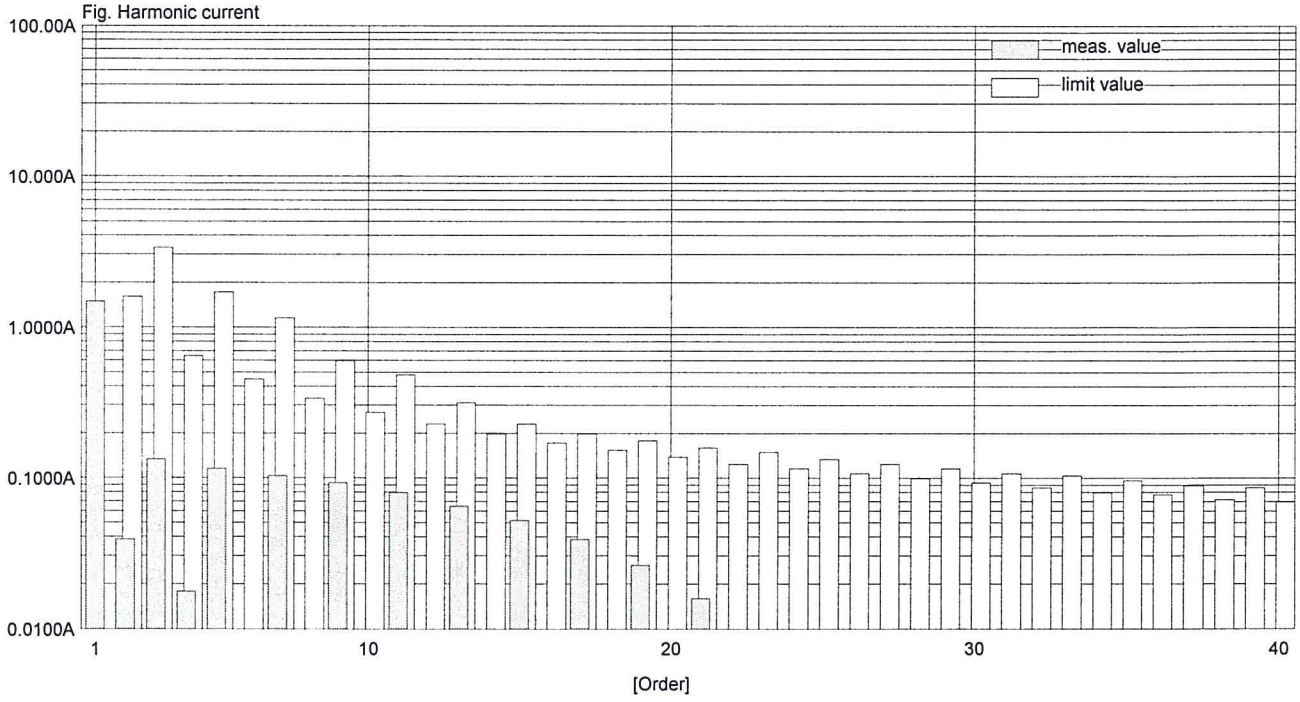
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	1.5515 A
Voltage(rms)	:	230.43 V
Frequency	:	50.008 Hz
Power Factor	:	0.9653
Beyond Limit Time	:	14.9999 s
Beyond Total Time	:	0.0000 s
THC	:	0.2610 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	344.8840 W
Sigma PF	:	0.9653
Distortion factor(V)	:	0.07 %
V THDS	:	0.07 %
V THDG	:	0.07 %
Distortion factor(A)	:	188.98 %
A THDS	:	188.99 %
A THDG	:	189.00 %
P THD	:	0.05 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.5000			2	0.0386	1.6200	97.6
3	0.1353	3.4500	96.1	4	0.0178	0.6450	97.2
5	0.1143	1.7100	93.3	6	0.0091	0.4500	98.0
7	0.1038	1.1550	91.0	8	0.0078	0.3450	97.7
9	0.0918	0.6000	84.7	10	0.0046	0.2760	98.3
11	0.0796	0.4950	83.9	12	0.0044	0.2300	98.1
13	0.0653	0.3150	79.3	14	0.0033	0.1971	98.3
15	0.0523	0.2250	76.8	16	0.0025	0.1725	98.5
17	0.0387	0.1985	80.5	18	0.0024	0.1533	98.4
19	0.0268	0.1776	84.9	20	0.0021	0.1380	98.4
21	0.0162	0.1607	89.9	22	0.0020	0.1255	98.4
23	0.0081	0.1467	94.5	24	0.0020	0.1150	98.3
25	0.0043	0.1350	96.8	26	0.0019	0.1062	98.2
27	0.0069	0.1250	94.5	28	0.0017	0.0986	98.3
29	0.0094	0.1164	91.9	30	0.0017	0.0920	98.2
31	0.0099	0.1089	90.9	32	0.0014	0.0862	98.4
33	0.0099	0.1023	90.3	34	0.0013	0.0812	98.4
35	0.0084	0.0964	91.3	36	0.0013	0.0767	98.3
37	0.0064	0.0912	93.0	38	0.0012	0.0726	98.3
39	0.0042	0.0865	95.1	40	0.0012	0.0690	98.3

Fig. Harmonic current



ECOSYS M3560idn (Average)

Print Date	:	Fri Dec 06 14:21:53 2013
MeasureDate	:	Fri Dec 06 14:21:26 2013
Comment	:	Duplex Copy (Option)PF-320*4, IB-50

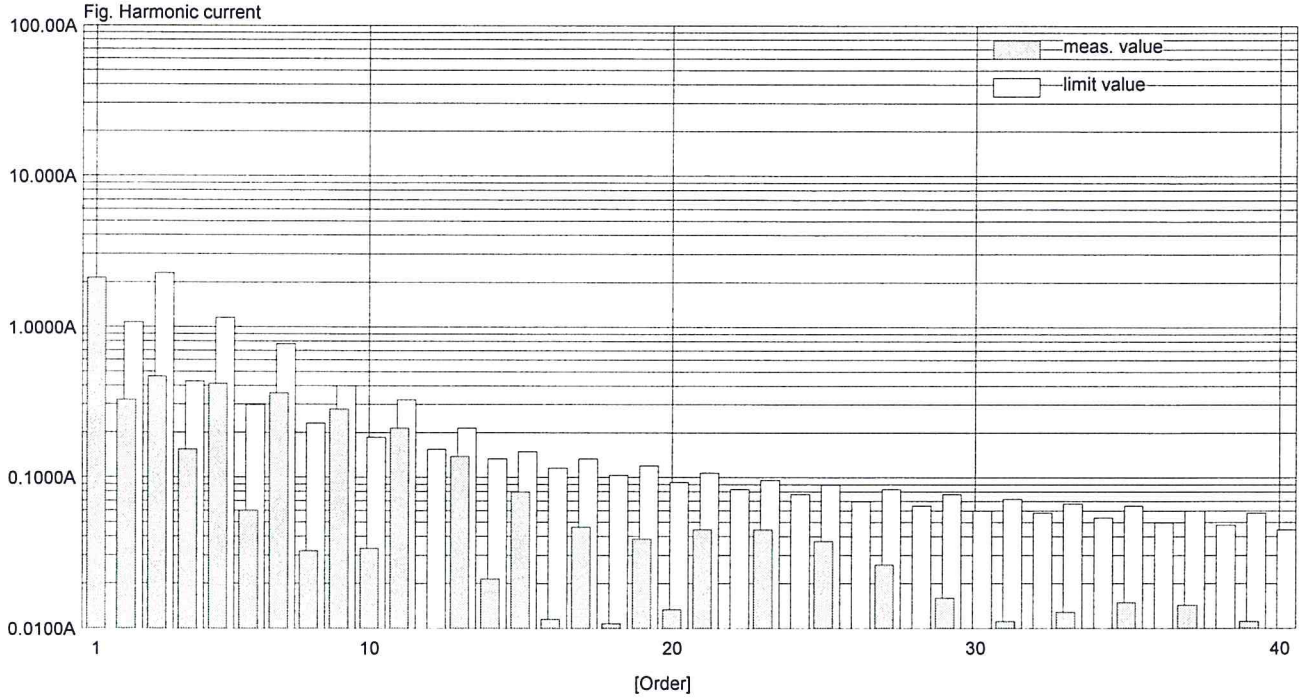
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	2.3570 A
Voltage(rms)	:	230.23 V
Frequency	:	50.001 Hz
Power Factor	:	0.9129
POHC Limit	:	0.2514 A
POHC Max	:	0.0901 A
THC	:	0.9148 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	659.3228 W
Sigma PF	:	0.9129
Distortion factor(V)	:	0.08 %
V THDS	:	0.08 %
V THDG	:	0.08 %
Distortion factor(A)	:	41.50 %
A THDS	:	42.29 %
A THDG	:	45.48 %
P THD	:	0.02 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.1604			2	0.3317	1.0800	69.3
3	0.4767	2.3000	79.3	4	0.1514	0.4300	64.8
5	0.4208	1.1400	63.1	6	0.0595	0.3000	80.2
7	0.3597	0.7700	53.3	8	0.0326	0.2300	85.8
9	0.2846	0.4000	28.9	10	0.0344	0.1840	81.3
11	0.2101	0.3300	36.3	12	0.0081	0.1533	94.7
13	0.1390	0.2100	33.8	14	0.0215	0.1314	83.7
15	0.0818	0.1500	45.5	16	0.0116	0.1150	89.9
17	0.0464	0.1324	64.9	18	0.0109	0.1022	89.3
19	0.0394	0.1184	66.7	20	0.0131	0.0920	85.7
21	0.0448	0.1071	58.1	22	0.0053	0.0836	93.6
23	0.0446	0.0978	54.4	24	0.0100	0.0767	87.0
25	0.0378	0.0900	58.0	26	0.0064	0.0708	90.9
27	0.0268	0.0833	67.9	28	0.0056	0.0657	91.5
29	0.0158	0.0776	79.7	30	0.0072	0.0613	88.3
31	0.0113	0.0726	84.5	32	0.0036	0.0575	93.7
33	0.0130	0.0682	80.9	34	0.0056	0.0541	89.7
35	0.0150	0.0643	76.7	36	0.0043	0.0511	91.5
37	0.0145	0.0608	76.2	38	0.0033	0.0484	93.3
39	0.0110	0.0577	80.9	40	0.0045	0.0460	90.3

Fig. Harmonic current



ECOSYS M3560idn (Maximum)

Print Date	:	Fri Dec 06 14:21:53 2013
MeasureDate	:	Fri Dec 06 14:21:26 2013
Comment	:	Duplex Copy (Option)PF-320*4, IB-50

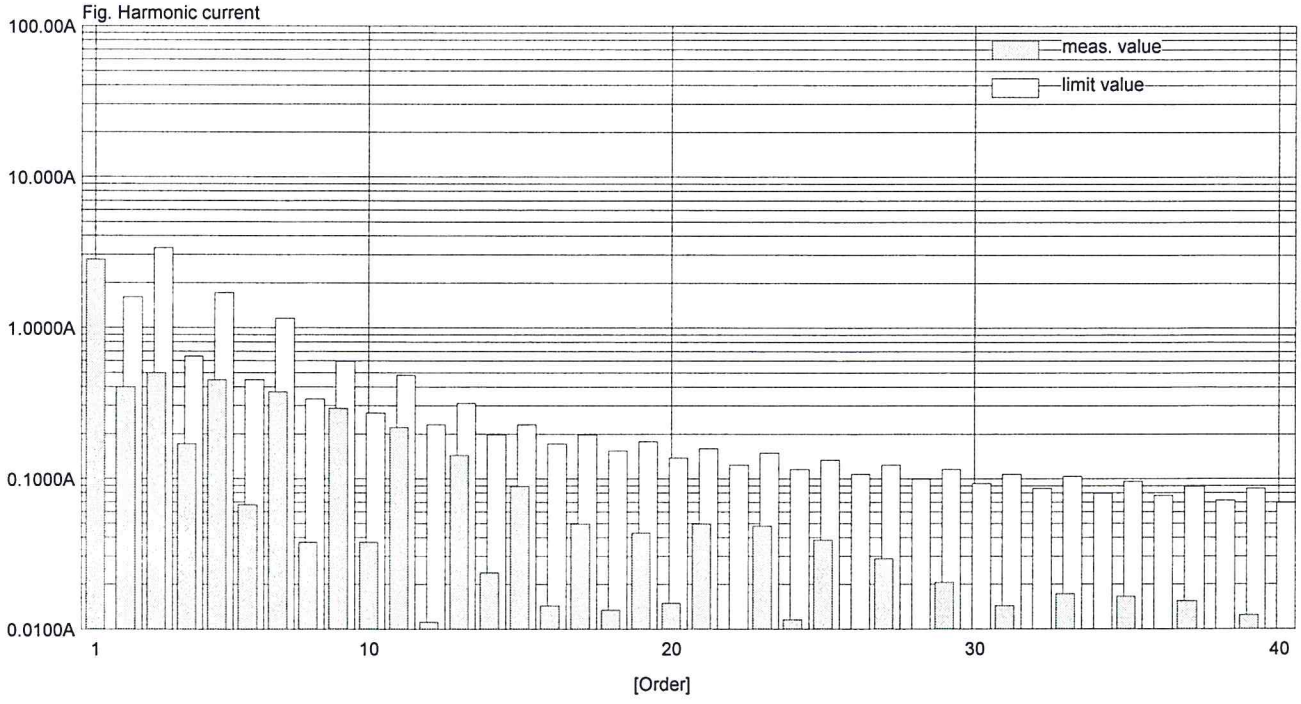
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	3.0132 A
Voltage(rms)	:	230.28 V
Frequency	:	50.008 Hz
Power Factor	:	0.9518
Beyond Limit Time	:	14.9997 s
Beyond Total Time	:	0.0000 s
THC	:	0.9705 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	659.3228 W
Sigma PF	:	0.9518
Distortion factor(V)	:	0.08 %
V THDS	:	0.09 %
V THDG	:	0.09 %
Distortion factor(A)	:	58.54 %
A THDS	:	59.11 %
A THDG	:	61.55 %
P THD	:	0.04 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.8666			2	0.3998	1.6200	75.3
3	0.5106	3.4500	85.2	4	0.1715	0.6450	73.4
5	0.4480	1.7100	73.8	6	0.0668	0.4500	85.2
7	0.3804	1.1550	67.1	8	0.0376	0.3450	89.1
9	0.2985	0.6000	50.3	10	0.0384	0.2760	86.1
11	0.2179	0.4950	56.0	12	0.0112	0.2300	95.1
13	0.1437	0.3150	54.4	14	0.0238	0.1971	87.9
15	0.0896	0.2250	60.2	16	0.0141	0.1725	91.8
17	0.0511	0.1985	74.3	18	0.0134	0.1533	91.3
19	0.0443	0.1776	75.1	20	0.0149	0.1380	89.2
21	0.0497	0.1607	69.1	22	0.0066	0.1255	94.7
23	0.0478	0.1467	67.4	24	0.0114	0.1150	90.1
25	0.0393	0.1350	70.9	26	0.0078	0.1062	
27	0.0294	0.1250	76.5	28	0.0071	0.0986	92.8
29	0.0204	0.1164	82.5	30	0.0081	0.0920	91.2
31	0.0141	0.1089	87.1	32	0.0043	0.0862	95.0
33	0.0169	0.1023	83.5	34	0.0064	0.0812	92.2
35	0.0167	0.0964	82.7	36	0.0052	0.0767	93.2
37	0.0154	0.0912	83.1	38	0.0044	0.0726	93.9
39	0.0123	0.0865	85.8	40	0.0050	0.0690	92.7

Fig. Harmonic current



ECOSYS M3560idn (Average)

Print Date	:	Fri Dec 06 14:32:06 2013
MeasureDate	:	Fri Dec 06 14:31:49 2013
Comment	:	Copy (Option)PF-320*4, IB-50

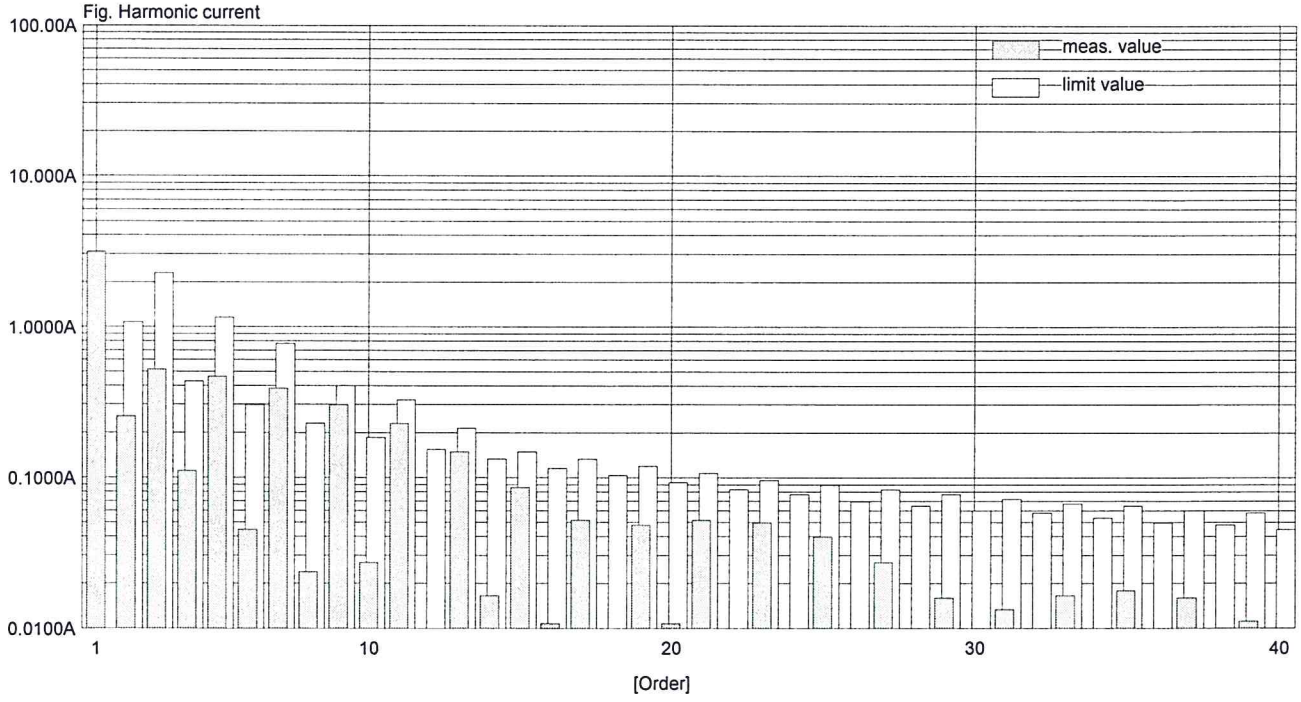
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	3.3461 A
Voltage(rms)	:	230.13 V
Frequency	:	50.000 Hz
Power Factor	:	0.9558
POHC Limit	:	0.2514 A
POHC Max	:	0.1027 A
THC	:	0.9612 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	816.4976 W
Sigma PF	:	0.9558
Distortion factor(V)	:	0.08 %
V THDS	:	0.08 %
V THDG	:	0.08 %
Distortion factor(A)	:	29.11 %
A THDS	:	29.46 %
A THDG	:	30.65 %
P THD	:	0.02 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.2021			2	0.2532	1.0800	76.6
3	0.5299	2.3000	77.0	4	0.1099	0.4300	74.4
5	0.4644	1.1400	59.3	6	0.0459	0.3000	84.7
7	0.3945	0.7700	48.8	8	0.0237	0.2300	89.7
9	0.3097	0.4000	22.6	10	0.0274	0.1840	85.1
11	0.2258	0.3300	31.6	12	0.0077	0.1533	95.0
13	0.1478	0.2100	29.6	14	0.0166	0.1314	87.3
15	0.0861	0.1500	42.6	16	0.0109	0.1150	90.6
17	0.0522	0.1324	60.6	18	0.0083	0.1022	91.9
19	0.0479	0.1184	59.6	20	0.0109	0.0920	88.1
21	0.0526	0.1071	50.9	22	0.0052	0.0836	93.7
23	0.0504	0.0978	48.5	24	0.0078	0.0767	89.8
25	0.0404	0.0900	55.2	26	0.0062	0.0708	91.2
27	0.0276	0.0833	66.8	28	0.0044	0.0657	93.3
29	0.0159	0.0776	79.5	30	0.0061	0.0613	90.1
31	0.0134	0.0726	81.5	32	0.0036	0.0575	93.7
33	0.0167	0.0682	75.5	34	0.0043	0.0541	92.1
35	0.0177	0.0643	72.5	36	0.0041	0.0511	91.9
37	0.0159	0.0608	73.8	38	0.0027	0.0484	94.4
39	0.0111	0.0577	80.7	40	0.0037	0.0460	91.9

Fig. Harmonic current



ECOSYS M3560idn (Maximum)

Print Date	:	Fri Dec 06 14:32:06 2013
MeasureDate	:	Fri Dec 06 14:31:49 2013
Comment	:	Copy (Option)PF-320*4, IB-50

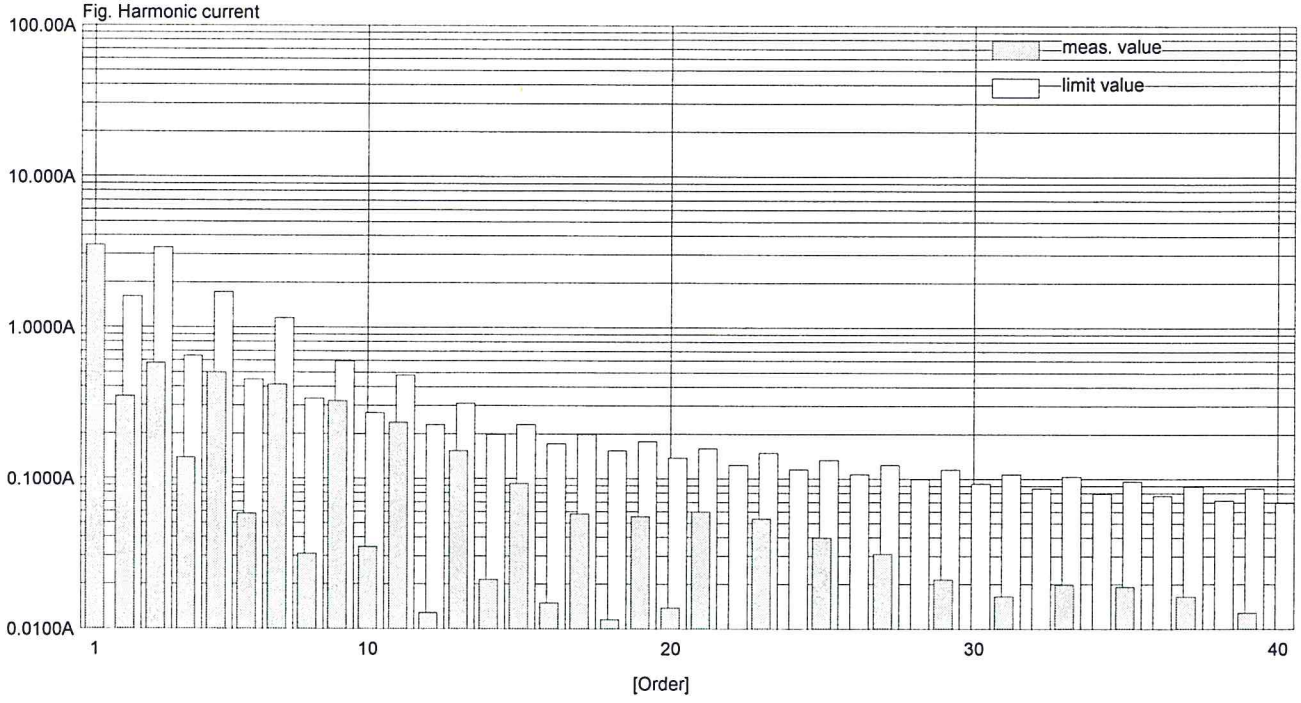
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	3.6981 A
Voltage(rms)	:	230.23 V
Frequency	:	50.008 Hz
Power Factor	:	0.9635
Beyond Limit Time	:	15.0001 s
Beyond Total Time	:	0.0000 s
THC	:	1.0413 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	816.4976 W
Sigma PF	:	0.9635
Distortion factor(V)	:	0.09 %
V THDS	:	0.09 %
V THDG	:	0.09 %
Distortion factor(A)	:	46.61 %
A THDS	:	49.84 %
A THDG	:	50.10 %
P THD	:	0.03 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.5511			2	0.3525	1.6200	78.2
3	0.5791	3.4500	83.2	4	0.1373	0.6450	78.7
5	0.5049	1.7100	70.5	6	0.0574	0.4500	87.2
7	0.4254	1.1550	63.2	8	0.0313	0.3450	90.9
9	0.3303	0.6000	45.0	10	0.0357	0.2760	87.1
11	0.2371	0.4950	52.1	12	0.0127	0.2300	94.5
13	0.1529	0.3150	51.5	14	0.0212	0.1971	89.3
15	0.0940	0.2250	58.2	16	0.0146	0.1725	91.5
17	0.0575	0.1985	71.0	18	0.0117	0.1533	92.4
19	0.0564	0.1776	68.3	20	0.0137	0.1380	90.1
21	0.0595	0.1607	63.0	22	0.0079	0.1255	93.7
23	0.0544	0.1467	63.0	24	0.0101	0.1150	91.2
25	0.0413	0.1350	69.4	26	0.0090	0.1062	91.5
27	0.0314	0.1250	74.9	28	0.0065	0.0986	93.4
29	0.0213	0.1164	81.7	30	0.0079	0.0920	91.4
31	0.0165	0.1089	84.9	32	0.0055	0.0862	93.6
33	0.0201	0.1023	80.3	34	0.0060	0.0812	92.6
35	0.0194	0.0964	79.9	36	0.0055	0.0767	92.9
37	0.0166	0.0912	81.8	38	0.0045	0.0726	93.8
39	0.0127	0.0865	85.3	40	0.0051	0.0690	92.6

Fig. Harmonic current



ECOSYS M3560idn (Average)

Print Date	:	Fri Dec 06 14:38:55 2013
MeasureDate	:	Fri Dec 06 14:38:33 2013
Comment	:	Duplex Print (Option)PF-320*4, IB-50

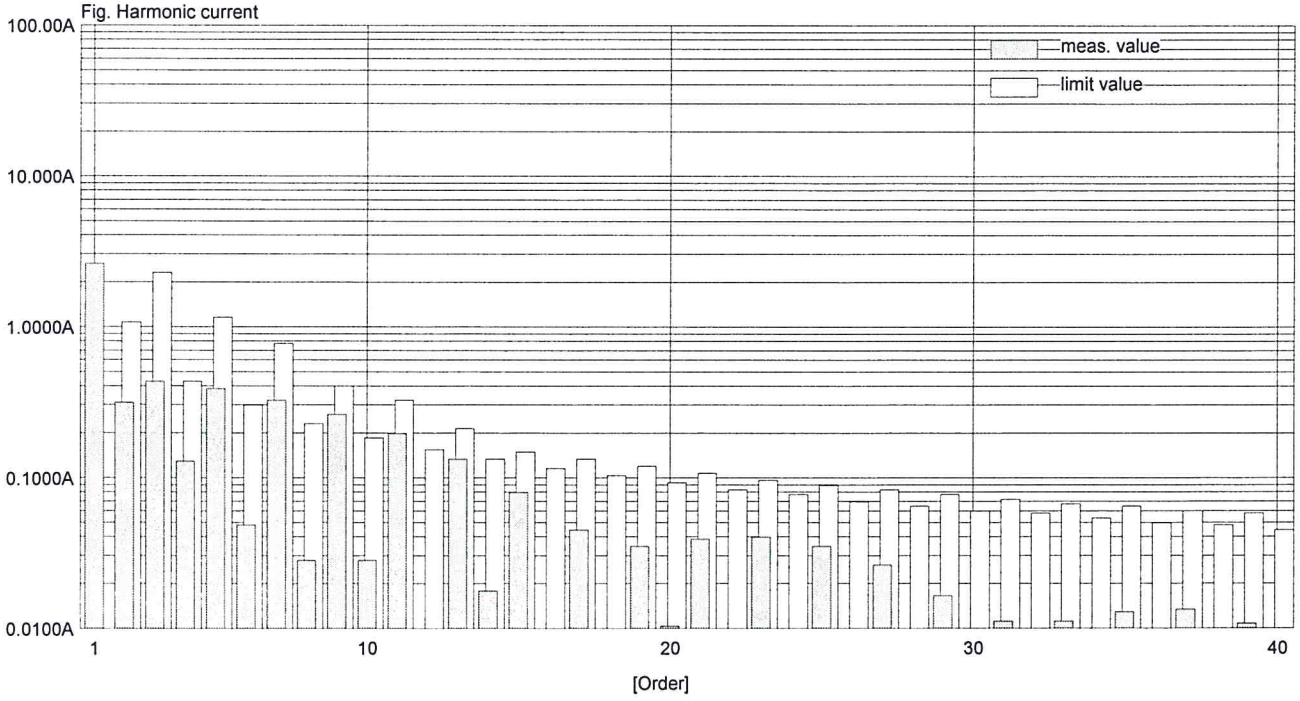
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	2.8220 A
Voltage(rms)	:	230.18 V
Frequency	:	50.000 Hz
Power Factor	:	0.9472
POHC Limit	:	0.2514 A
POHC Max	:	0.0826 A
THC	:	0.8475 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	797.6581 W
Sigma PF	:	0.9472
Distortion factor(V)	:	0.08 %
V THDS	:	0.08 %
V THDG	:	0.08 %
Distortion factor(A)	:	30.62 %
A THDS	:	32.97 %
A THDG	:	33.97 %
P THD	:	0.01 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.6808			2	0.3110	1.0800	71.2
3	0.4403	2.3000	80.9	4	0.1272	0.4300	70.4
5	0.3881	1.1400	66.0	6	0.0478	0.3000	84.1
7	0.3337	0.7700	56.7	8	0.0287	0.2300	87.5
9	0.2657	0.4000	33.6	10	0.0280	0.1840	84.8
11	0.1983	0.3300	39.9	12	0.0064	0.1533	95.8
13	0.1331	0.2100	36.6	14	0.0181	0.1314	86.2
15	0.0797	0.1500	46.9	16	0.0084	0.1150	92.7
17	0.0446	0.1324	66.3	18	0.0097	0.1022	90.5
19	0.0348	0.1184	70.6	20	0.0105	0.0920	88.6
21	0.0392	0.1071	63.4	22	0.0045	0.0836	94.6
23	0.0403	0.0978	58.8	24	0.0084	0.0767	89.1
25	0.0355	0.0900	60.6	26	0.0047	0.0708	93.3
27	0.0263	0.0833	68.4	28	0.0050	0.0657	92.4
29	0.0163	0.0776	78.9	30	0.0057	0.0613	90.7
31	0.0113	0.0726	84.4	32	0.0030	0.0575	94.8
33	0.0113	0.0682	83.4	34	0.0047	0.0541	91.2
35	0.0130	0.0643	79.8	36	0.0032	0.0511	93.8
37	0.0132	0.0608	78.3	38	0.0029	0.0484	93.9
39	0.0107	0.0577	81.5	40	0.0035	0.0460	92.4

Fig. Harmonic current



ECOSYS M3560idn (Maximum)

Print Date	:	Fri Dec 06 14:38:55 2013
MeasureDate	:	Fri Dec 06 14:38:33 2013
Comment	:	Duplex Print (Option)PF-320*4, IB-50

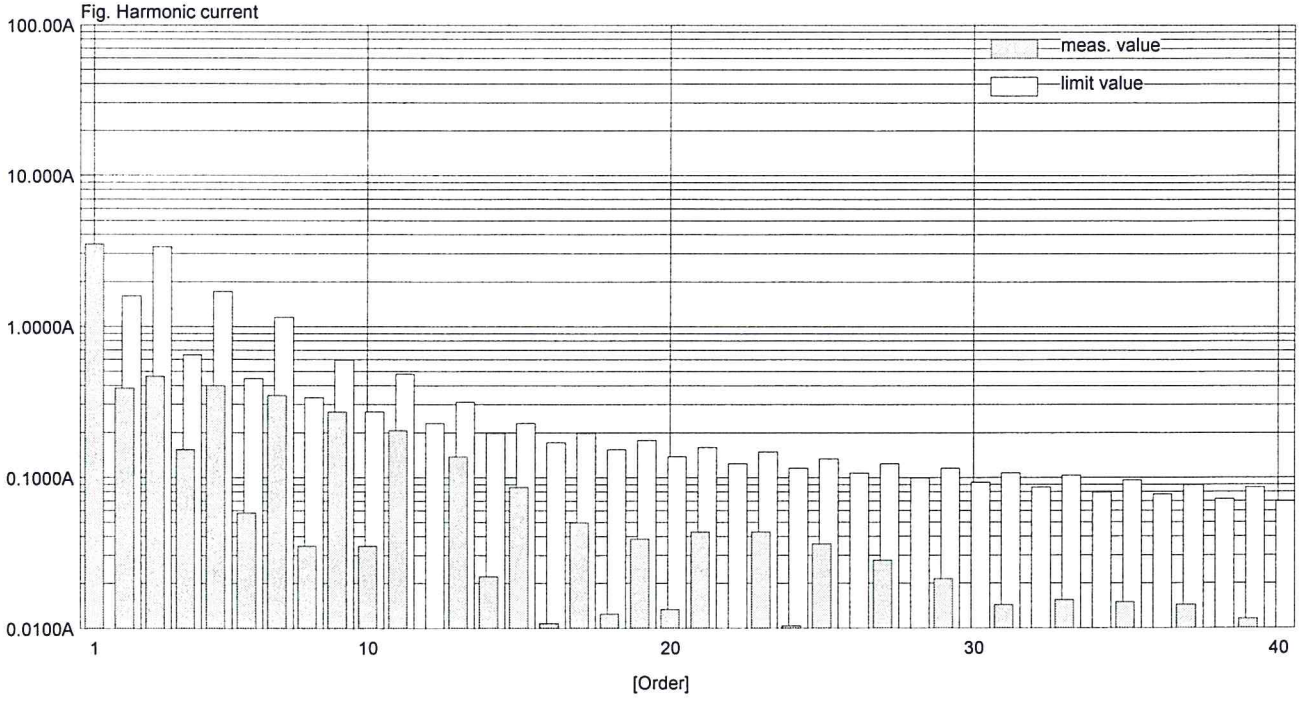
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	3.5637 A
Voltage(rms)	:	230.24 V
Frequency	:	50.010 Hz
Power Factor	:	0.9729
Beyond Limit Time	:	15.0001 s
Beyond Total Time	:	0.0000 s
THC	:	0.9114 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	797.6581 W
Sigma PF	:	0.9729
Distortion factor(V)	:	0.08 %
V THDS	:	0.08 %
V THDG	:	0.09 %
Distortion factor(A)	:	42.59 %
A THDS	:	46.37 %
A THDG	:	46.68 %
P THD	:	0.02 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.4682			2	0.3914	1.6200	75.8
3	0.4655	3.4500	86.5	4	0.1549	0.6450	76.0
5	0.4066	1.7100	76.2	6	0.0589	0.4500	86.9
7	0.3488	1.1550	69.8	8	0.0354	0.3450	89.8
9	0.2766	0.6000	53.9	10	0.0352	0.2760	87.3
11	0.2053	0.4950	58.5	12	0.0084	0.2300	96.3
13	0.1376	0.3150	56.3	14	0.0224	0.1971	88.7
15	0.0880	0.2250	60.9	16	0.0108	0.1725	93.7
17	0.0513	0.1985	74.2	18	0.0124	0.1533	91.9
19	0.0391	0.1776	78.0	20	0.0132	0.1380	90.4
21	0.0439	0.1607	72.7	22	0.0059	0.1255	95.3
23	0.0431	0.1467	70.6	24	0.0103	0.1150	91.0
25	0.0371	0.1350	72.5	26	0.0061	0.1062	94.3
27	0.0285	0.1250	77.2	28	0.0065	0.0986	93.4
29	0.0213	0.1164	81.7	30	0.0072	0.0920	92.2
31	0.0142	0.1089	86.9	32	0.0037	0.0862	95.7
33	0.0154	0.1023	84.9	34	0.0059	0.0812	92.8
35	0.0149	0.0964	84.5	36	0.0041	0.0767	94.7
37	0.0142	0.0912	84.4	38	0.0040	0.0726	94.5
39	0.0114	0.0865	86.8	40	0.0044	0.0690	93.7

Fig. Harmonic current



ECOSYS M3560idn (Average)

Print Date	:	Fri Dec 06 14:43:25 2013
MeasureDate	:	Fri Dec 06 14:43:03 2013
Comment	:	Print (Option)PF-320*4, IB-50

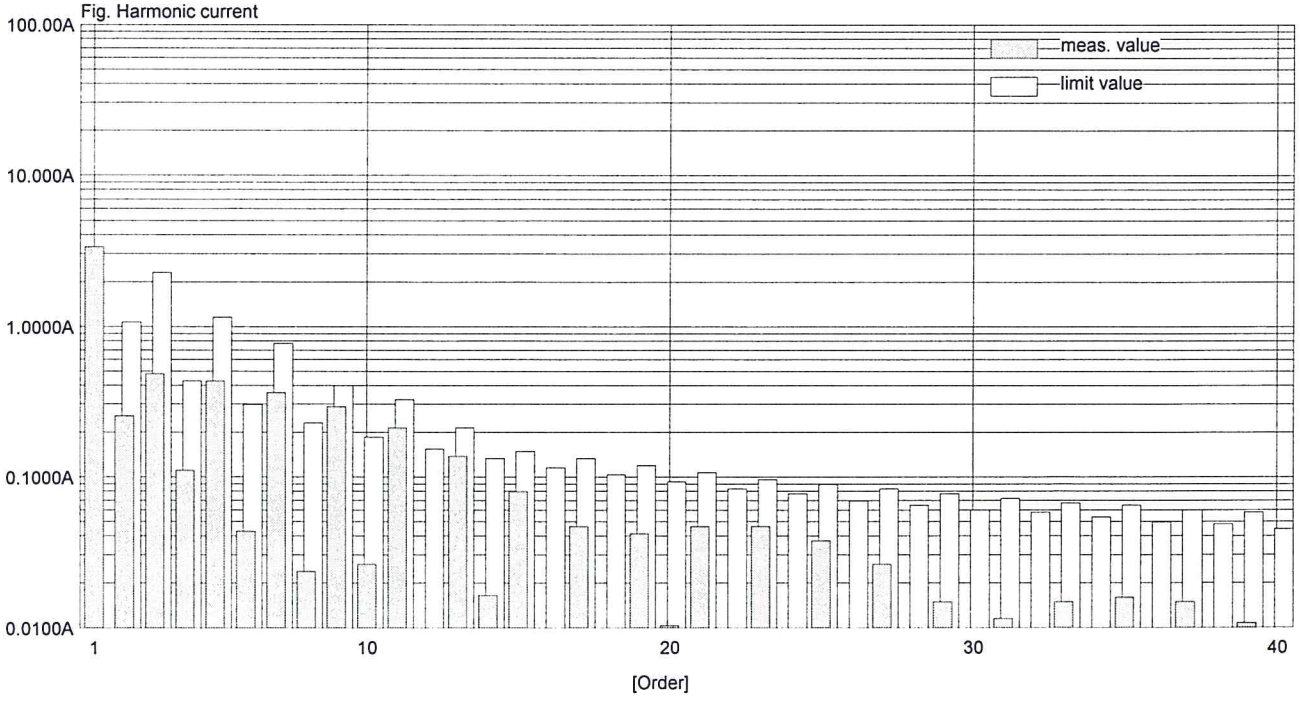
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	3.5370 A
Voltage(rms)	:	230.08 V
Frequency	:	50.000 Hz
Power Factor	:	0.9655
POHC Limit	:	0.2514 A
POHC Max	:	0.0906 A
THC	:	0.9020 A

PASS

Set Fundamental I	:	---------
Set Power Factor	:	---------
Set P	:	---------
Sigma W Max	:	927.1351 W
Sigma PF	:	0.9655
Distortion factor(V)	:	0.08 %
V THDS	:	0.08 %
V THDG	:	0.09 %
Distortion factor(A)	:	25.25 %
A THDS	:	25.66 %
A THDG	:	26.76 %
P THD	:	0.01 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.4184			2	0.2564	1.0800	76.3
3	0.4928	2.3000	78.6	4	0.1110	0.4300	74.2
5	0.4313	1.1400	62.2	6	0.0441	0.3000	85.3
7	0.3679	0.7700	52.2	8	0.0237	0.2300	89.7
9	0.2897	0.4000	27.6	10	0.0266	0.1840	85.6
11	0.2124	0.3300	35.6	12	0.0058	0.1533	96.2
13	0.1394	0.2100	33.6	14	0.0164	0.1314	87.5
15	0.0809	0.1500	46.1	16	0.0095	0.1150	91.8
17	0.0468	0.1324	64.7	18	0.0082	0.1022	92.0
19	0.0417	0.1184	64.8	20	0.0104	0.0920	88.7
21	0.0472	0.1071	55.9	22	0.0044	0.0836	94.8
23	0.0464	0.0978	52.6	24	0.0077	0.0767	90.0
25	0.0381	0.0900	57.7	26	0.0054	0.0708	92.4
27	0.0265	0.0833	68.2	28	0.0042	0.0657	93.7
29	0.0150	0.0776	80.7	30	0.0057	0.0613	90.7
31	0.0117	0.0726	83.9	32	0.0030	0.0575	94.8
33	0.0146	0.0682	78.6	34	0.0042	0.0541	92.2
35	0.0160	0.0643	75.1	36	0.0036	0.0511	92.9
37	0.0150	0.0608	75.3	38	0.0024	0.0484	95.1
39	0.0108	0.0577	81.3	40	0.0035	0.0460	92.3

Fig. Harmonic current



ECOSYS M3560idn (Maximum)

Print Date	:	Fri Dec 06 14:43:25 2013
MeasureDate	:	Fri Dec 06 14:43:03 2013
Comment	:	Print (Option)PF-320*4, IB-50

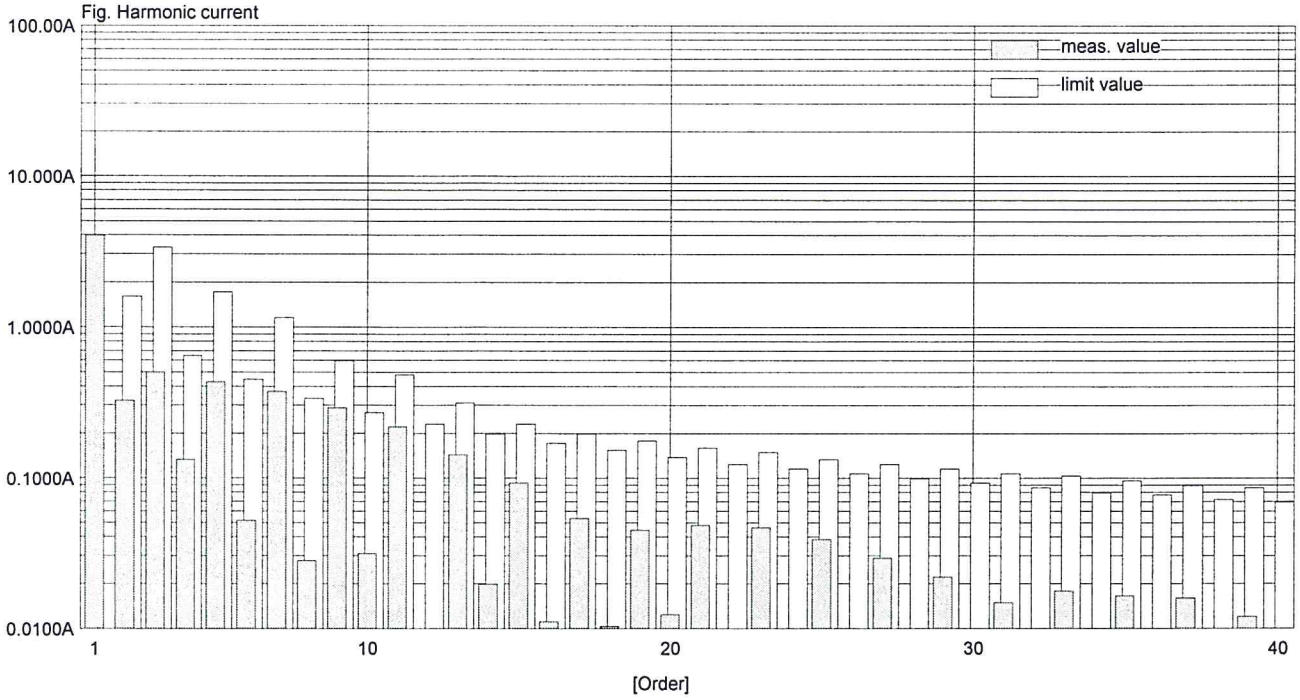
Regulation	:	IEC61000-3-2 Ed3.0 am2 IEC61000-4-7 Ed2.0 A1
Class	:	CLASS A
MeasureTime	:	150.00sec
Model	:	YOKOGAWA WT3000
Rating Voltage	:	230.00 V
Wiring	:	single-phase 2-wire
Element	:	1
Range	:	300V/30A
Current(rms)	:	4.1306 A
Voltage(rms)	:	230.19 V
Frequency	:	50.010 Hz
Power Factor	:	0.9758
Beyond Limit Time	:	14.9999 s
Beyond Total Time	:	0.0000 s
THC	:	0.9185 A

PASS

Set Fundamental I	:	---
Set Power Factor	:	---
Set P	:	---
Sigma W Max	:	927.1351 W
Sigma PF	:	0.9758
Distortion factor(V)	:	0.09 %
V THDS	:	0.09 %
V THDG	:	0.09 %
Distortion factor(A)	:	43.54 %
A THDS	:	46.39 %
A THDG	:	46.88 %
P THD	:	0.03 %
Power Limit	:	75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	4.0322			2	0.3305	1.6200	79.6
3	0.5013	3.4500	85.5	4	0.1317	0.6450	79.6
5	0.4387	1.7100	74.3	6	0.0517	0.4500	88.5
7	0.3748	1.1550	67.5	8	0.0287	0.3450	91.7
9	0.2965	0.6000	50.6	10	0.0317	0.2760	88.5
11	0.2188	0.4950	55.8	12	0.0077	0.2300	96.6
13	0.1452	0.3150	53.9	14	0.0201	0.1971	89.8
15	0.0927	0.2250	58.8	16	0.0112	0.1725	93.5
17	0.0548	0.1985	72.4	18	0.0103	0.1533	93.3
19	0.0448	0.1776	74.8	20	0.0125	0.1380	91.0
21	0.0490	0.1607	69.5	22	0.0055	0.1255	95.6
23	0.0478	0.1467	67.4	24	0.0094	0.1150	91.8
25	0.0399	0.1350	70.5	26	0.0064	0.1062	94.0
27	0.0299	0.1250	76.1	28	0.0055	0.0986	94.4
29	0.0222	0.1164	81.0	30	0.0069	0.0920	92.5
31	0.0151	0.1089	86.1	32	0.0035	0.0862	96.0
33	0.0180	0.1023	82.4	34	0.0053	0.0812	93.5
35	0.0168	0.0964	82.6	36	0.0043	0.0767	94.4
37	0.0158	0.0912	82.6	38	0.0035	0.0726	95.2
39	0.0119	0.0865	86.3	40	0.0043	0.0690	93.8

Fig. Harmonic current



EN61000-3-3/2008
Voltage Fluctuations/Flicker Measurement

Equipment	*Model*	*Serial No.*
Multi-Function Printer	ECOCYS M3560idn	ZSS3X00020
Paper Feeder	PF-320	NUS3525018
		NUS3525035
		NUS3525092
		NUS3524709
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

Date ..... : 6 December, 2013
Temperature ..... : 23℃
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.

Evaluate item	*Limit*	*Result*
Relative steady-state voltage change	$d_c \leqq 3.3\%$	Pass
Maximum relative voltage change	$d_{max} \leqq 4\%$	
Relative voltage change characteristic	$dt \leqq 500ms$	
Short-term flicker indicator	$P_{ST} \leqq 1$	
Long-term flicker indicator	$P_{LT} \leqq 0.65$	

Test equipment used : Analyzing System : WT3000 (Yokogawa Electric Corporation)

ECOSYS M3560idn

Print Date	:	Wed Dec 04 17:16:15 2013
MeasureDate	:	Fri Jan 04 09:21:22 1980
Comment	:	Standby (Option)PF-320*4, 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	:	229.66V
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	0.79	1.24	0.00	0.27
2	0.09	0.13	0.00	0.07
3	0.09	0.13	0.00	0.07
4	0.09	0.13	0.00	0.07
5	0.09	0.13	0.00	0.07
6	0.09	0.13	0.00	0.07
7	0.09	0.13	0.00	0.07
8	0.09	0.13	0.00	0.07
9	0.01	0.13	0.00	0.07
10	0.09	0.12	0.00	0.07
11	0.09	0.13	0.00	0.07
12	0.09	0.13	0.00	0.07

Plt
0.12

ECOSYS M3560idn

Print Date : Fri Dec 06 13:31:51 2013
MeasureDate : Fri Jan 04 03:51:48 1980
Comment : Duplex Copy
(Option)PF-320*4, 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 : 228.50V
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	0.72	1.62	0.00	0.58

Plt
0.25

ECOSYS M3560idn

Print Date : Fri Dec 06 13:44:13 2013
MeasureDate : Fri Dec 06 13:43:02 2013
Comment : Copy
(Option)PF-320*4, 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 : 229.11V
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	Plt
1	0.32	1.54	0.00	0.62	0.27

ECOSYS M3560idn

Print Date	:	Fri Dec 06 14:06:01 2013
MeasureDate	:	Fri Dec 06 14:05:24 2013
Comment	:	Print (Option)PF-320*4, 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	:	229.02V
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	Plt
1	0.42	1.75	0.00	0.58	0.25