

SECTION 2

Test Reports of Emission

(EN55022/2010, EN61000-3-2/2006+A1/2009+A2/2009, EN61000-3-3/2013)

EN55022/2010

(EN 301 489-1 V1.9.2 <8.2>)

Radiated Interference Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 356ci / 406ci	Z795300015
Paper Feeder	PF-5120	Z7J5300158
	PF-5130	Z7K5300102
	PF-5140	Z7L5300058
Document Processor	DP-5100	Z7N5300057
	DP-5110	Z7P5300071
Finisher	DF-5100	Z7T5300071
	DF-5110	Z7Q5300058
	DF-5120	Z7R5300051
Punch Unit	PH-5120	Z7V5300045
Multi Tray	MT-5100	Z7U5300081
Job Separator	JS-5100	Z7H5300059
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Bridge	AK-5100	Z7G5300125
FAX Kit	FAX System 10	ZEF5300008
Hard Disk Drive	HD-11	ZEM5300021

This test was applied as follows.

(30MHz – 1GHz)

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

(1GHz-6GHz)

<i>Frequency</i>	<i>Limit</i>		<i>Result</i>
	<i>Average</i>	<i>Peak</i>	
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

(EN 301 489-1 V1.9.2 <8.4><8.7>)

Conducted Interference Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 356ci / 406ci	Z795300015
Paper Feeder	PF-5120	Z7J5300158
	PF-5130	Z7K5300102
	PF-5140	Z7L5300058
Document Processor	DP-5100	Z7N5300057
	DP-5110	Z7P5300071
Finisher	DF-5100	Z7T5300071
	DF-5110	Z7Q5300058
	DF-5120	Z7R5300051
Punch Unit	PH-5120	Z7V5300045
Multi Tray	MT-5100	Z7U5300081
Job Separator	JS-5100	Z7H5300059
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Bridge	AK-5100	Z7G5300125
FAX Kit	FAX System 10	ZEF5300008
Hard Disk Drive	HD-11	ZEM5300021

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. : S1550605

Test Site : Osaka Big Semi AC

Date of Measurement : May 18, 19, 26-29, 31, 2015

Temperature : 18.2-25.7 degree C

Humidity : 47.4-74.6 %

Manufacturer : KYOCERA Document Solutions Inc.

Category : EN55022: 2010 Class B

Equipment Under Test : MFP

Model Name : TASKalfa 406ci

Serial No. : Z795300015

Power Supply

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

承認	担当
	

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 Ports & Telecommunication Ports >

Field Strength Meter..... (ESCI/100295/Rohde & Schwarz/RE060/20 Aug.'14/Aug.'15)
 Spectrum Analyzer (ESCI/100295/Rohde & Schwarz/RE060/20 Aug.'14/Aug.'15)
 L.I.S.N. (KNW-407/8-1793-1/Kyoritsu/LI070/19 Nov.'14/Nov.'15)
 ISN..... (T800/26083/TESEQ /LI084/07 Oct.'14/Oct.'15)
 ISN..... (T200A/25710/TESEQ/LI082/29 Sep.'14/Sep.'15)
 Site Establishment Cable.. (DKT37/CE/R/Tokin/DKT37/22 Mar.'15/Mar.'16)
 50ohms Terminator (CT-03NP/1190282/TME/ME513/10 Sep.'14/Sep.'15)
 Semi Anechoic Chamber.. (Osaka Big Semi AC/Osaka Big Semi AC/Tokin/
 SA027/21 Mar.'15/Mar.'16)
 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/RE060/20 Aug.'14/Aug.'15)
 Spectrum Analyzer (ESCI/100295/Rohde & Schwarz/RE060/20 Aug.'14/Aug.'15)
 Biconical Antenna (VHA9103/2443/Schwarzbeck/TB038/02 Apr.'15/Apr.'16)
 Logperiodic Antenna..... (UHALP9108-A/UHALP9108-A0754/Schwarzbeck/
 TL026/02 Apr.'15/Apr.'16)
 Pre-Amplifier (310N/261803/Sonowa instrument Co./AM037/22 Mar.'15/Mar.'16)
 Site Establishment Cable.. (DKT33/10m/30-1000MHz/R/Tokin/DKT33/22 Mar.'15/Mar.'16)
 Semi Anechoic Chamber.. (Osaka Big Semi AC/Osaka Big Semi AC/Tokin/
 SA027/21 Mar.'15/Mar.'16)
 Software (EP5RE/---/TOYO/SW035-5/---/---)
 Software (EMC Data Calculation Program/---/AES/SW059-1/---/---)

< 1000MHz to 6000MHz >

Field Strength Meter..... (ESCI/100295/Rohde & Schwarz/RE060/20 Aug.'14/Aug.'15)
 Spectrum Analyzer (FSP40/100238/Rohde & Schwarz/SP057/05 Sep.'14/Sep.'15)
 DRG Horn Antenna..... (3117/00114388/ETS-LINDGREN/AN056/09 Apr.'15/Apr.'16)
 Pre-amplifier..... (TPA0108-40/0608/TOYO/AM049/22 Mar.'15/Mar.'16)
 Site Establishment Cable.. (DKT55/3m/1-6GHz/R/Tokin/DKT55/25 Jun.'15/Jun.'16)
 Site Establishment Cable.. (DKT56/3m/1-6GHz/S/Tokin/DKT56/25 Jun.'16/Jun.'16)
 Semi Anechoic Chamber.. (Osaka Big Semi AC/S-VSWR/Tokin/SA034/22 Mar.'15/Mar.'16)
 Software (EP5RE/---/TOYO/SW035-5/---/---)
 Software (EMC Data Calculation Program/---/AES/SW059-1/---/---)

★TASKalfa 406ci (EN55022 Class B)

◎EUT

Equipment	Model	S/N	System				Manufacturer
			A	B	C	D	
MFP	TASKalfa 406ci	Z795300015	●	●	●	●	Kyocera Document
Document Processor	DP-5110	Z7P5300071			●	●	Kyocera Document
	DP-5100	Z7N5300057	●	●			Kyocera Document
Paper Feeder	PF-5120	Z7J5300158	●	●	●	●	Kyocera Document
	PF-5130	Z7K5300102			●	●	Kyocera Document
	PF-5140	Z7L5300058	●	●			Kyocera Document
Bridge	AK-5100	Z7G5300125	●		●	●	Kyocera Document
Document Finisher	DF-5120	Z7R5300051			●		Kyocera Document
	DF-5110	Z7Q5300058				●	Kyocera Document
	DF-5100	Z7T5300071		●			Kyocera Document
Punch Unit	PH-5120	Z7V5300045				●	Kyocera Document
Multi Tray	MT-5100	Z7U5300081	●				Kyocera Document
FAX Kit	FAX System (10)(Main)	ZE53000008	●	●	●	●	Kyocera Document
	FAX System (10)(Sub)	ZE53000009	●				Kyocera Document
Printer NIC	IB-50	TEST-1		●	●		Kyocera Document
	IB-51	TEST-1				●	Kyocera Document
PC	Vostro 1200	29904650925	●	●	●	●	Dell
HUB	CentreCOM GS908XL	007613G101300195 E1	●	●	●	●	Allied Telesis
FAX Simulator	NSE3	10261	●	●	●	●	Arai Electric
FAX	ECOSYS M2535dn	ZVZ3700007	●	●	●	●	Kyocera Document
Telephone	TE-202	8100758A	●	●	●	●	TAKACHIHO
Wireless LAN Adapter	WLI-UC-G301N	420104				●	BUFFALO

◎Operation Modes

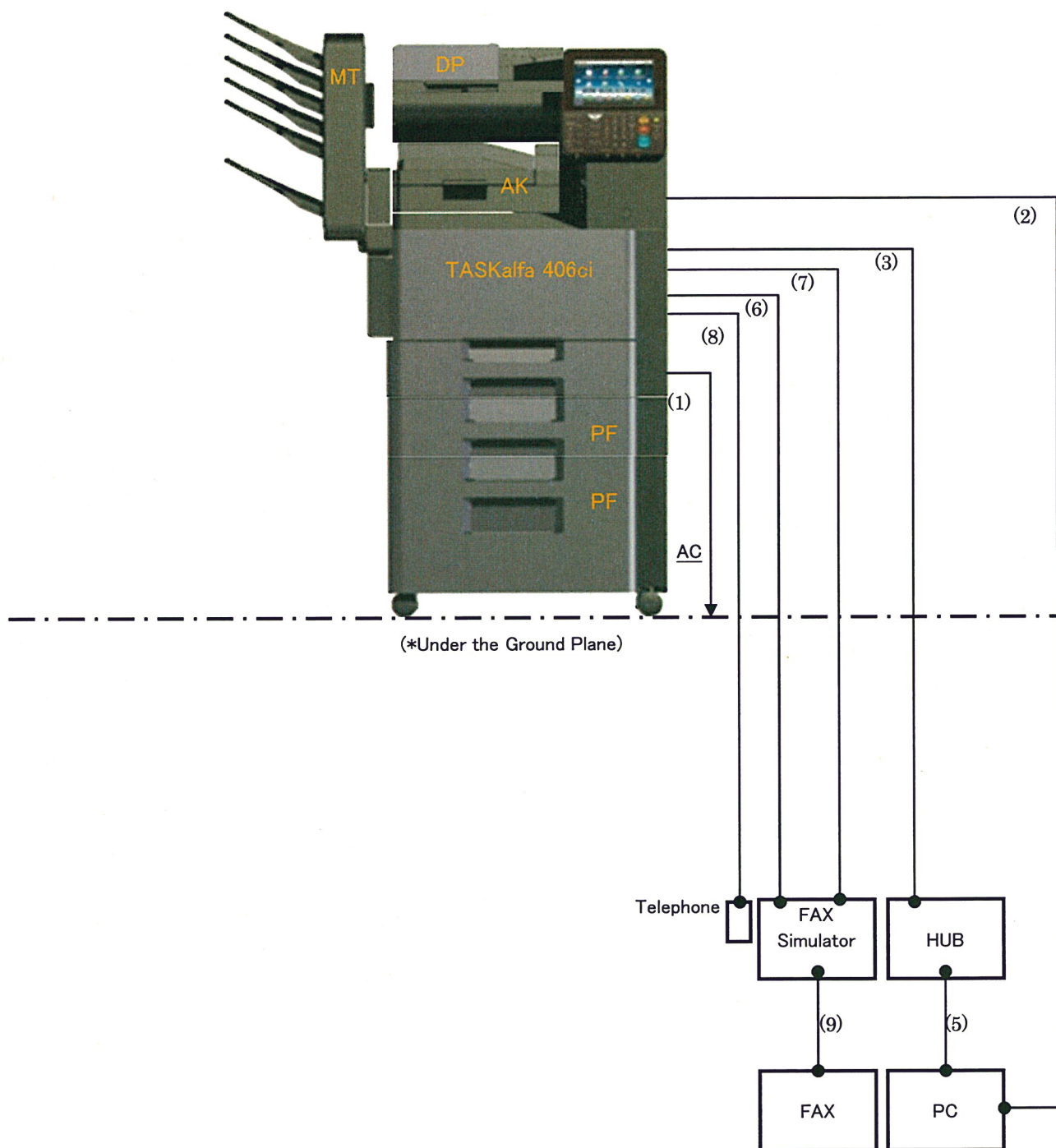
No.	Operation Mode	System	Rad.EMI		Con.EMI
			MHz	GHz	
①	Standby	A	○	○	○
②	Copy	A	○	○	○
③	USB Print + FAX TX	B	○	---	---
④	LAN Print (On Board) + FAX RX	C	○	---	○
⑤	LAN Print (Option NIC) (Wireless)	D	○	○	---
⑥	LAN Print (On Board) (Telecommunication Ports)	B	---	---	○
⑦	FAX TX (Main Port) (Telecommunication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

◎Connected Cable / Cord

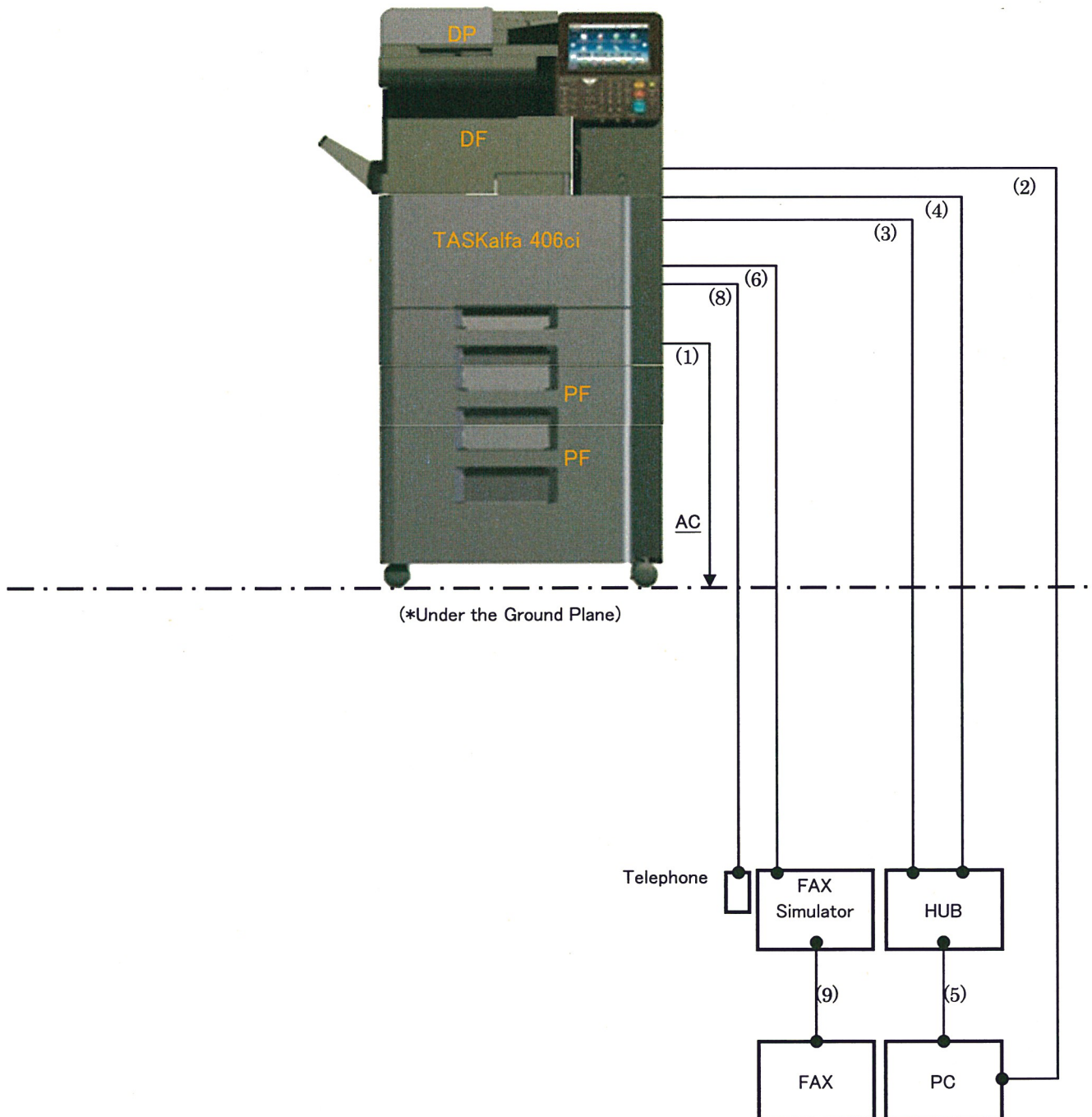
No.	Cable / Cord	Length	Core	Shielded	Connector
1	MFP Power Cord	2.5 m	---	---	Resinous
2	USB Cable	5 m	---	○	Metallic
3	LAN Cable (On Board) for Printer	10 m	---	○	Metallic
4	LAN Cable (Option) for Printer	10 m	---	○	Metallic
5	LAN Cable for PC	1 m	---	○	Metallic
6	Modular Cord for FAX Kit (Main Port)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

©Equipment Connection Figure

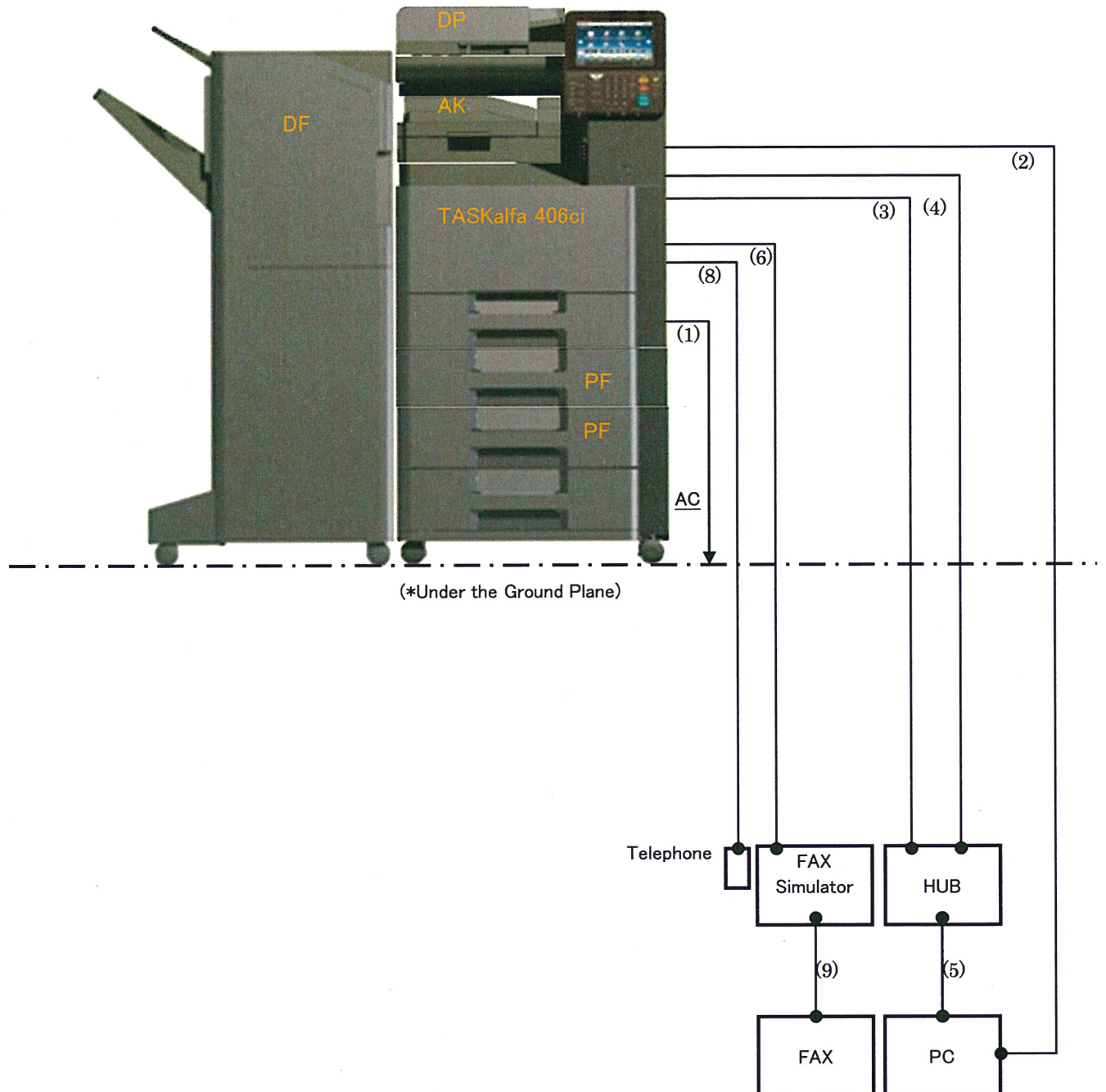
System A



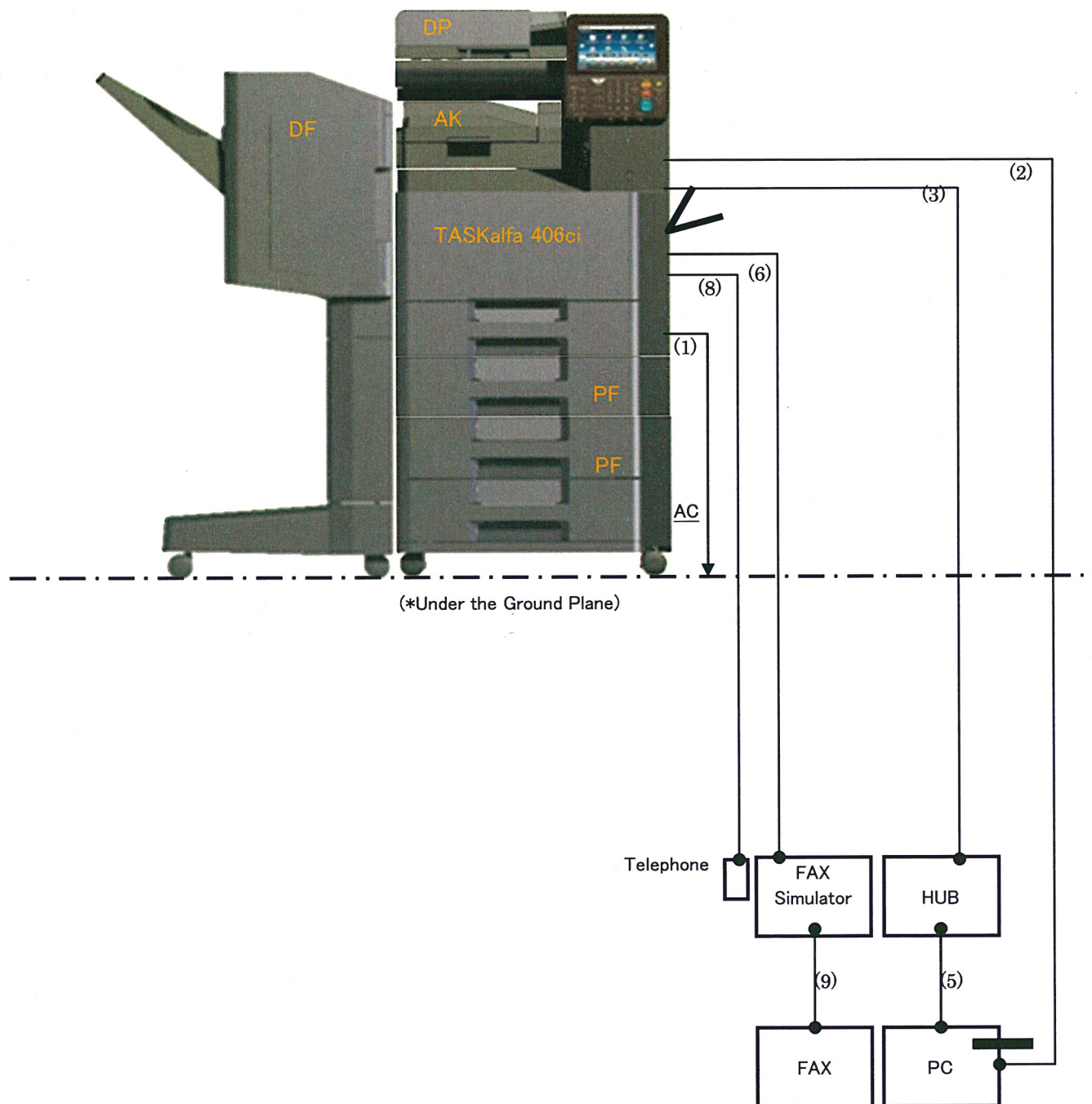
System B



System C



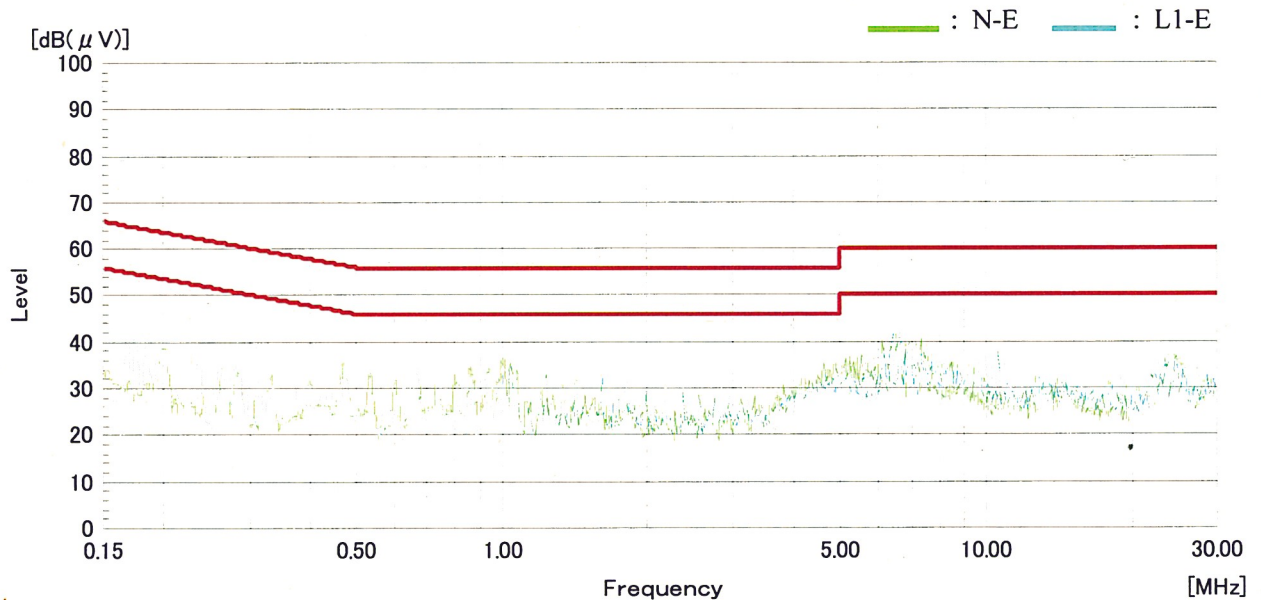
System D



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: May 31, 2015
Test procedure: EN55022:2010 Class B Temperature: 22 degree C
Tested condition: Power input 1phase AC230V Humidity: 62.6 %
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	0.198	26.7	22.7	10.8	37.5	33.5	63.7	53.7	26.2	20.2
	0.475	22.4	21.2	10.2	32.6	31.4	56.4	46.4	23.8	15.0
	0.996	23.6	18.5	10.3	33.9	28.8	56.0	46.0	22.1	17.2
	4.815	21.1	15.9	10.6	31.7	26.5	56.0	46.0	24.3	19.5
	6.442	27.9	16.3	10.8	38.7	27.1	60.0	50.0	21.3	22.9
	6.641	27.5	15.8	10.8	38.3	26.6	60.0	50.0	21.7	23.4
L1-E	0.205	22.5	15.6	10.8	33.3	26.4	63.4	53.4	30.1	27.0
	0.284	21.1	20.6	10.6	31.7	31.2	60.7	50.7	29.0	19.5
	0.854	22.1	20.7	10.3	32.4	31.0	56.0	46.0	23.6	15.0
	1.043	22.0	20.3	10.3	32.3	30.6	56.0	46.0	23.7	15.4
	1.233	20.7	19.8	10.3	31.0	30.1	56.0	46.0	25.0	15.9
	6.624	27.5	13.5	10.8	38.3	24.3	60.0	50.0	21.7	25.7



Tested by

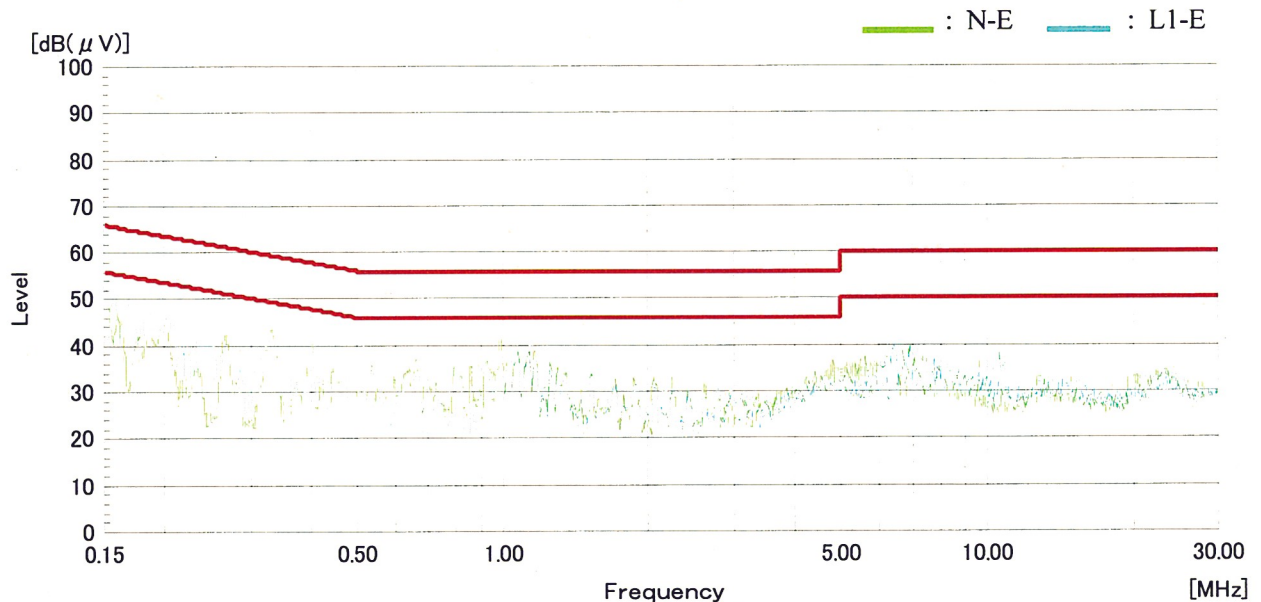
Yuichiro Yoshida

Yuichiro Yoshida, 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: May 31, 2015
Test procedure: EN55022:2010 Class B Temperature: 22 degree C
Tested condition: Power input 1phase AC230V Humidity: 62.6 %
Test line: MFP Power Cord 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	26.1	12.5	11.3	37.4	23.8	66.0	56.0	28.6	32.2
	0.200	34.2	31.8	10.8	45.0	42.6	63.6	53.6	18.6	11.0
	0.331	29.8	26.0	10.3	40.1	36.3	59.4	49.4	19.3	13.1
	1.065	28.4	27.1	10.3	38.7	37.4	56.0	46.0	17.3	8.6
	1.095	20.0	17.6	10.3	30.3	27.9	56.0	46.0	25.7	18.1
	6.438	27.4	15.1	10.8	38.2	25.9	60.0	50.0	21.8	24.1
L1-E	0.151	26.7	7.3	11.3	38.0	18.6	66.0	56.0	28.0	37.4
	0.200	35.3	32.7	10.8	46.1	43.5	63.6	53.6	17.5	10.1
	0.329	28.8	25.3	10.4	39.2	35.7	59.5	49.5	20.3	13.8
	0.332	29.9	26.6	10.4	40.3	37.0	59.4	49.4	19.1	12.4
	1.064	28.6	27.2	10.3	38.9	37.5	56.0	46.0	17.1	8.5
	6.715	25.7	14.8	10.8	36.5	25.6	60.0	50.0	23.5	24.4



Tested by

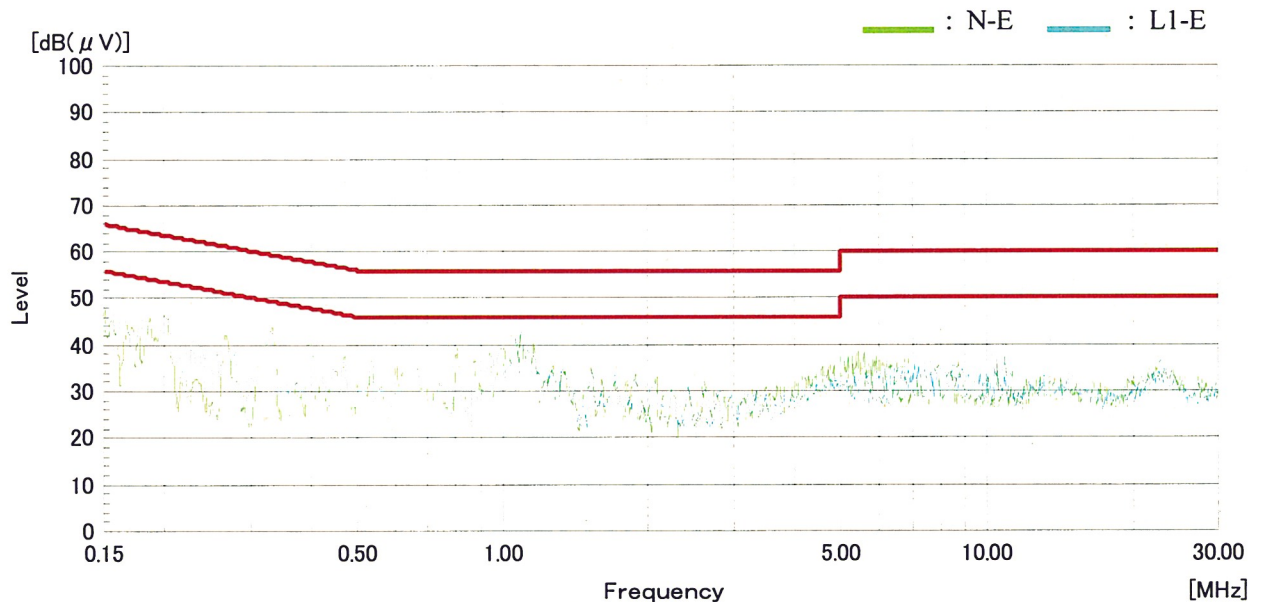
Yuichiro Yoshida

Yuichiro Yoshida, 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 RX Date of measurement: May 31, 2015
Test procedure: EN55022:2010 Class B Temperature: 22 degree C
Tested condition: Power input 1phase AC230V Humidity: 62.6 %
Test line: MFP Power Cord System: C

	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	0.152	26.1	15.0	11.3	37.4	26.3	65.9	55.9	28.5	29.6
	0.199	34.4	31.9	10.8	45.2	42.7	63.6	53.6	18.4	10.9
	0.330	30.4	26.8	10.3	40.7	37.1	59.4	49.4	18.7	12.3
	1.093	32.1	32.3	10.3	42.4	42.6	56.0	46.0	13.6	3.4
	5.058	23.7	18.4	10.6	34.3	29.0	60.0	50.0	25.7	21.0
	13.562	28.8	21.1	11.3	40.1	32.4	60.0	50.0	19.9	17.6
L1-E	0.152	27.7	7.4	11.3	39.0	18.7	65.9	55.9	26.9	37.2
	0.189	29.6	29.1	10.9	40.5	40.0	64.1	54.1	23.6	14.1
	0.200	34.9	32.9	10.8	45.7	43.7	63.6	53.6	17.9	9.9
	0.332	29.6	27.0	10.4	40.0	37.4	59.4	49.4	19.4	12.0
	1.093	32.0	32.2	10.3	42.3	42.5	56.0	46.0	13.7	3.5
	10.930	24.8	21.3	11.1	35.9	32.4	60.0	50.0	24.1	17.6



Tested by

Yuichiro Yoshida

Yuichiro Yoshida, 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)

Date of measurement: May 31, 2015

Test procedure: EN55022:2010 Class B

Temperature: 22 degree C

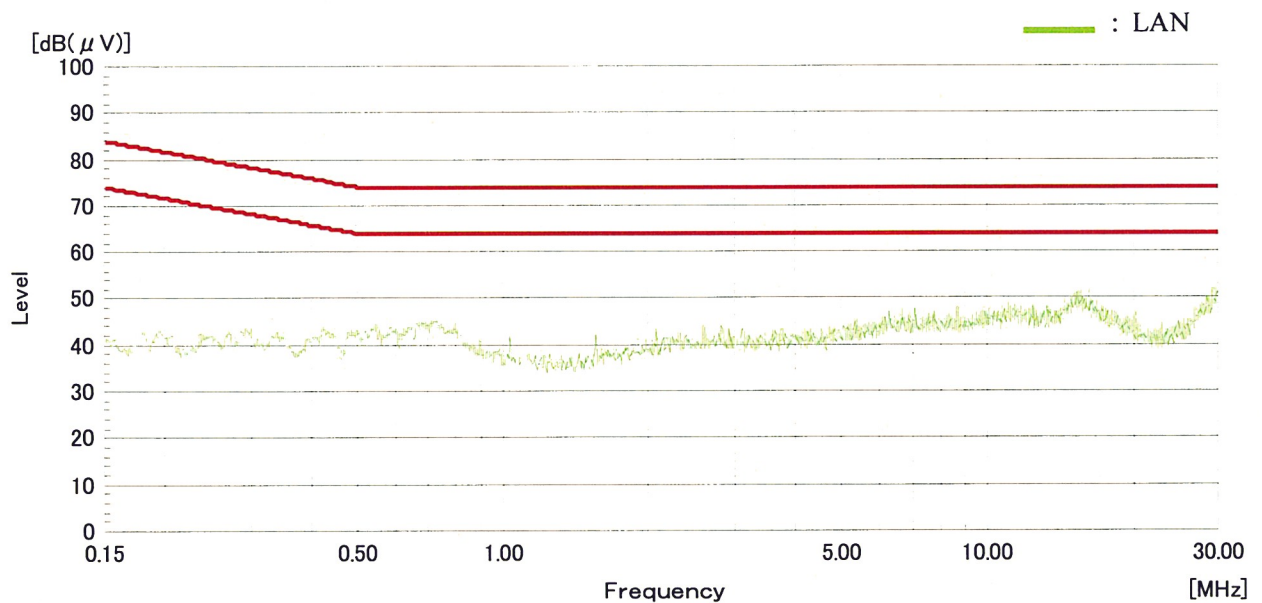
Tested condition: Power input 1phase AC230V

Humidity: 62.6 %

Test line: LAN Cable

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)
LAN	0.718	32.3	24.5	9.8	42.1	34.3	74.0	64.0	31.9	29.7
	6.290	34.0	29.4	10.1	44.1	39.5	74.0	64.0	29.9	24.5
	10.407	32.1	26.7	10.4	42.5	37.1	74.0	64.0	31.5	26.9
	15.433	35.7	30.3	10.5	46.2	40.8	74.0	64.0	27.8	23.2
	15.510	35.9	30.3	10.5	46.4	40.8	74.0	64.0	27.6	23.2
	29.960	35.5	30.1	11.9	47.4	42.0	74.0	64.0	26.6	22.0



Tested by

Yuichiro Yoshida

Yuichiro Yoshida, 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 TX (Main Port)

Date of measurement: May 31, 2015

Test procedure: EN55022:2010 Class B

Temperature: 22 degree C

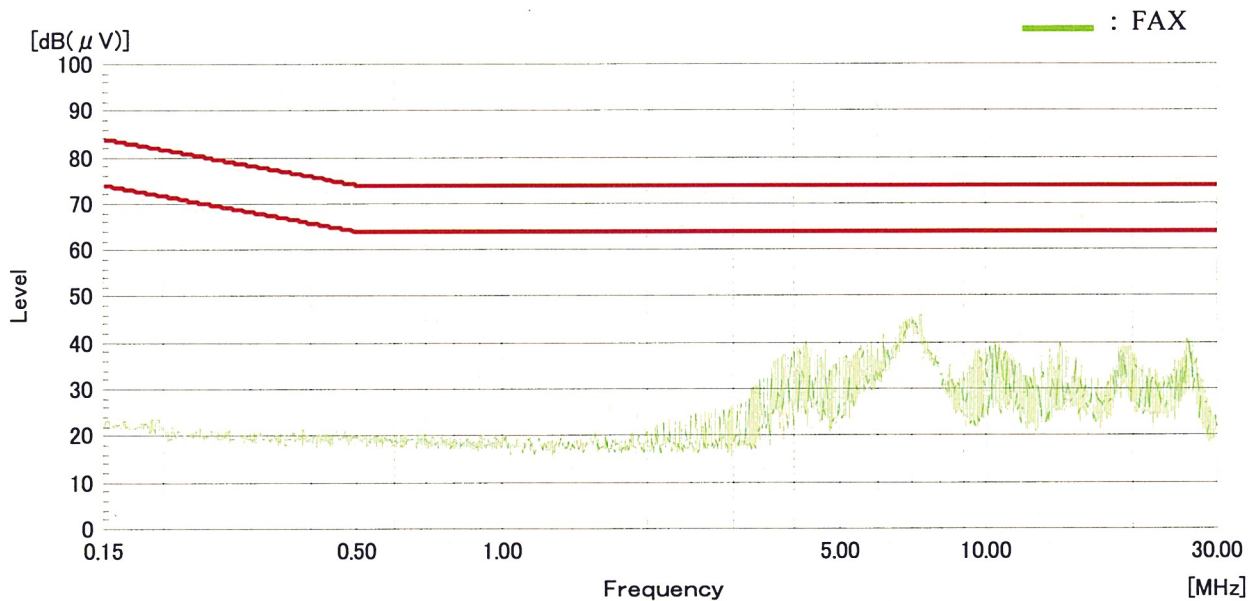
Tested condition: Power input 1phase AC230V

Humidity: 62.6 %

Test line: Modular Cord for FAX Kit

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)
FAX	4.613	14.9	9.8	10.3	25.2	20.1	74.0	64.0	48.8	43.9
	5.391	17.0	9.0	10.3	27.3	19.3	74.0	64.0	46.7	44.7
	7.010	32.7	23.5	10.4	43.1	33.9	74.0	64.0	30.9	30.1
	14.296	27.6	23.9	10.8	38.4	34.7	74.0	64.0	35.6	29.3
	19.234	17.7	12.3	10.9	28.6	23.2	74.0	64.0	45.4	40.8
	24.576	24.1	23.1	11.3	35.4	34.4	74.0	64.0	38.6	29.6



Tested by

Yuichiro Yoshida

Yuichiro Yoshida, 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 (Sub Port)

Date of measurement: May 31, 2015

Test procedure: EN55022:2010 Class B

Temperature: 22 degree C

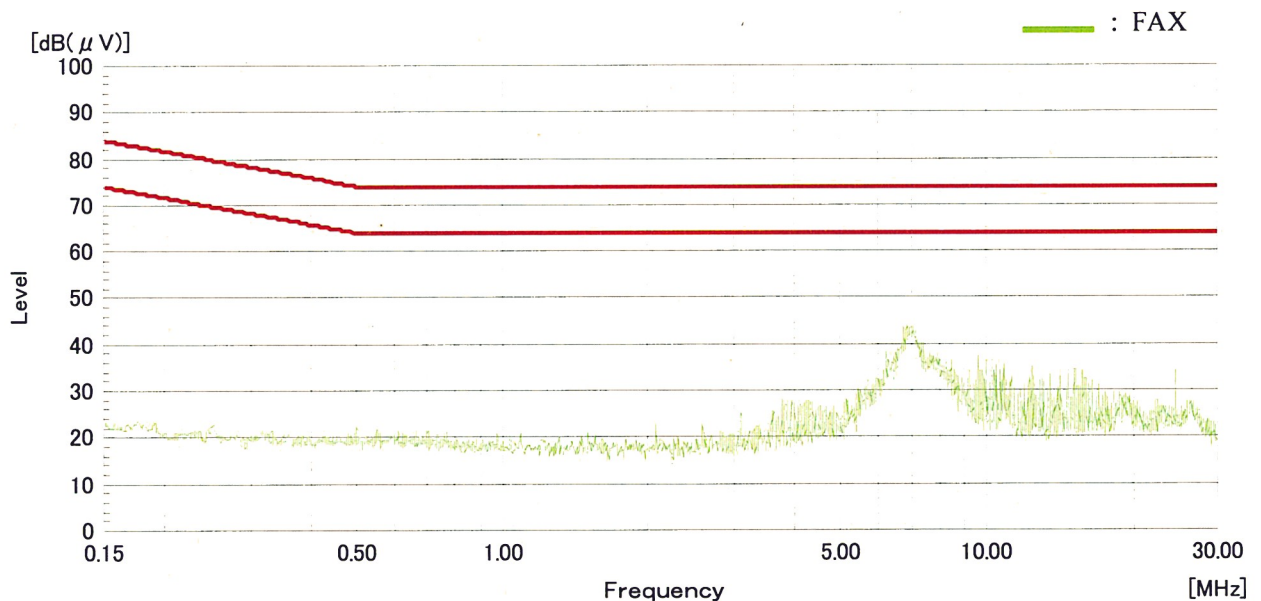
Tested condition: Power input 1phase AC230V

Humidity: 62.6 %

Test line: Modular Cord for FAX Kit

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)
FAX	6.778	29.3	23.0	10.4	39.7	33.4	74.0	64.0	34.3	30.6
	7.018	30.4	15.8	10.4	40.8	26.2	74.0	64.0	33.2	37.8
	8.006	23.7	15.7	10.5	34.2	26.2	74.0	64.0	39.8	37.8
	9.597	22.1	16.8	10.6	32.7	27.4	74.0	64.0	41.3	36.6
	10.529	24.4	23.0	10.7	35.1	33.7	74.0	64.0	38.9	30.3
	15.296	22.5	19.1	10.8	33.3	29.9	74.0	64.0	40.7	34.1



Tested by

Yuichiro Yoshida, Engineer

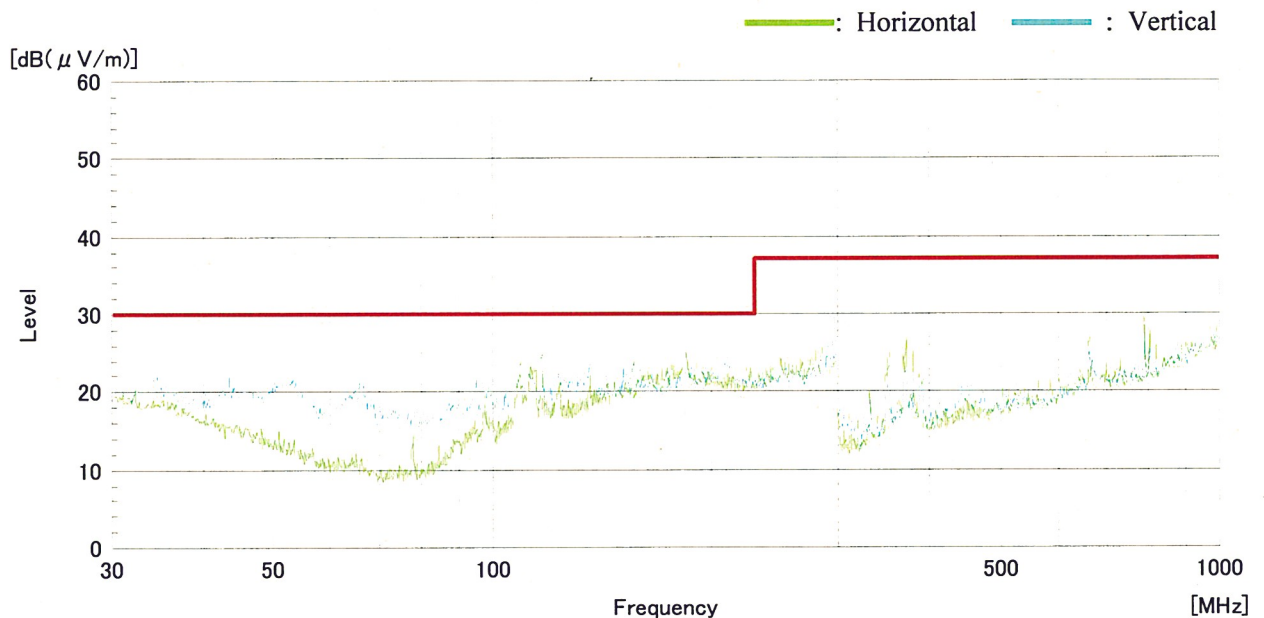
雑音電界強度試験結果 (QP: 準尖頭値)

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

Date of measurement: May 19, 2015
Temperature: 20.4 degree C
Humidity: 74.6 %
System: A

< 30MHz to 1000MHz >

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)
97.62	39.9		3.1	-32.7	15.6	25.9		30.0	4.1	
109.35	32.8		3.3	-32.7	17.6	21.0		30.0	9.0	
117.14	35.5	34.7	3.4	-32.6	18.5	24.8	24.0	30.0	5.2	6.0
136.42	29.3		3.7	-32.6	20.1	20.5		30.0	9.5	
156.19	28.2		3.9	-32.6	21.0	20.5		30.0	9.5	
183.87		24.8	4.3	-32.6	22.3		18.8	30.0		11.2
371.42		32.8	6.3	-32.5	15.8		22.4	37.0		14.6
625.00	36.9	32.8	8.1	-32.5	19.3	31.8	27.7	37.0	5.2	9.3
789.69		33.1	9.2	-32.4	20.7		30.6	37.0		6.4
1000.00		21.6	10.6	-30.9	22.7		24.0	37.0		13.0



Tested by

Yuichiro Yoshida

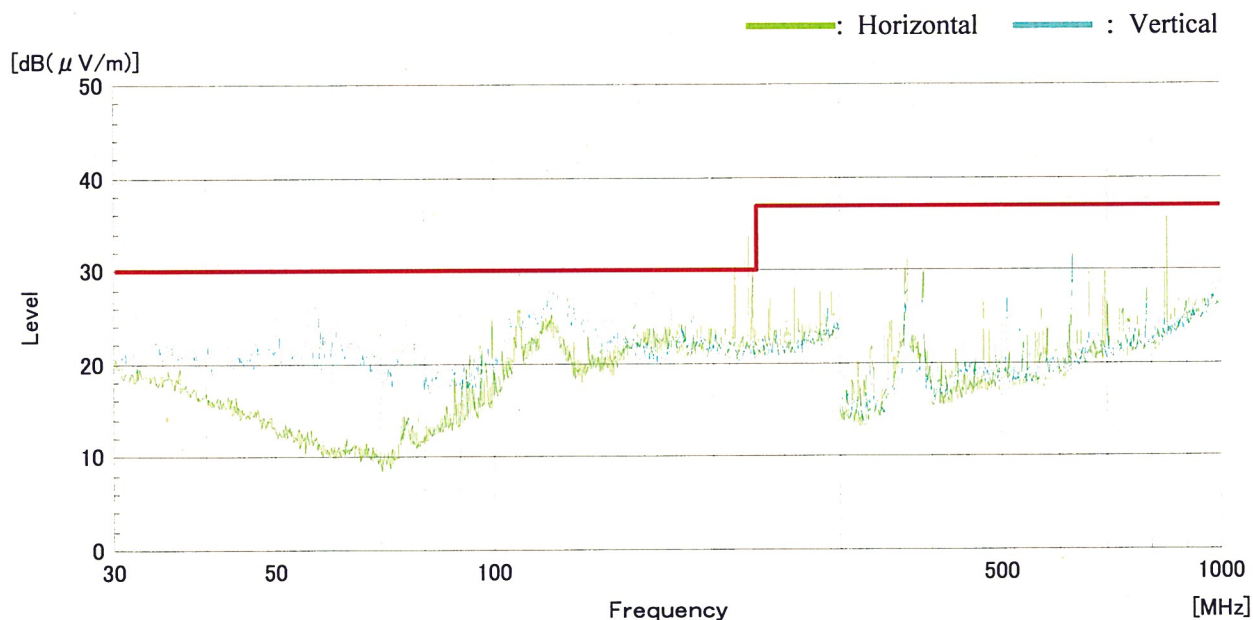
Yuichiro Yoshida, Engineer

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
< 30MHz to 1000MHz >

Date of measurement: May 26, 2015
Temperature: 23.4 degree C
Humidity: 59.9 %
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)
58.30	33.1		2.4	-32.7	14.5	17.3		30.0	12.7	
75.75	36.2		2.8	-32.7	12.4	18.7		30.0	11.3	
97.60	35.4	31.6	3.1	-32.7	15.6	21.4	17.6	30.0	8.6	12.4
107.83	37.9	34.2	3.3	-32.7	17.4	25.9	22.2	30.0	4.1	7.8
122.88	36.2		3.5	-32.6	19.1	26.2		30.0	3.8	
156.20	31.1		3.9	-32.6	21.0	23.4		30.0	6.6	
175.01	30.4	27.9	4.2	-32.6	21.8	23.8	21.3	30.0	6.2	8.7
371.81		37.7	6.3	-32.5	15.8		27.3	37.0		9.7
391.38		33.3	6.6	-32.5	16.3		23.7	37.0		13.3
625.01		36.8	8.1	-32.5	19.3		31.7	37.0		5.3



Tested by

Yuichiro Yoshida

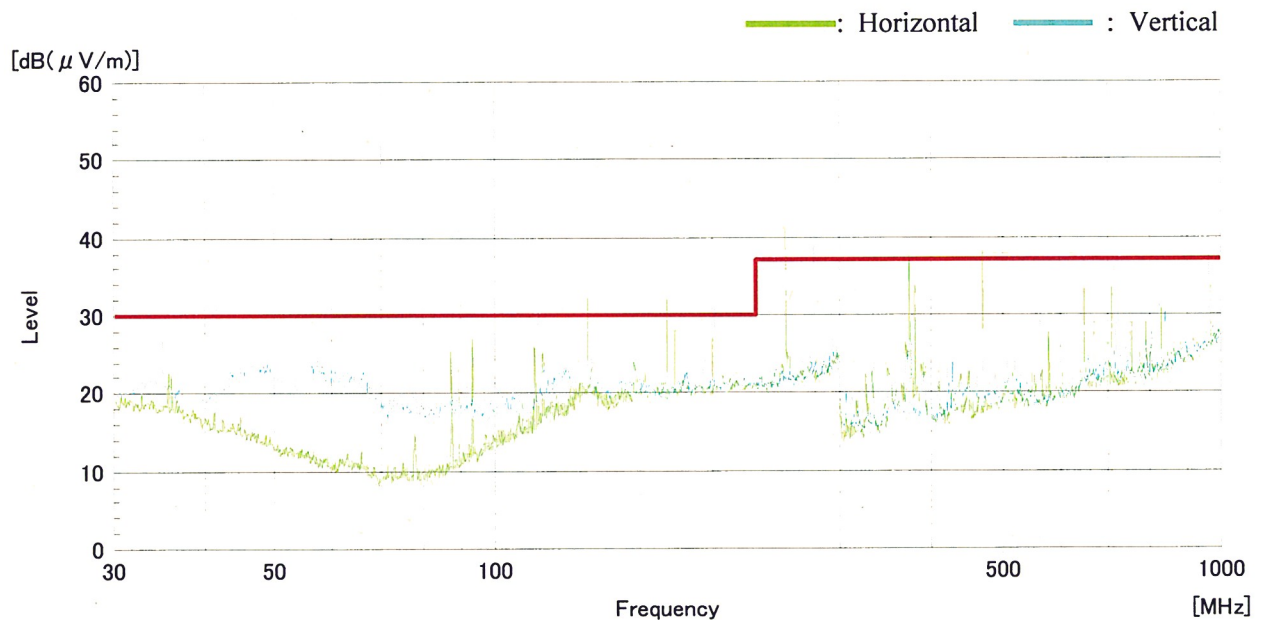
Yuichiro Yoshida, Engineer

雑音電界強度試験結果 (QP: 準尖頭値)

Operating mode: USB Print + FAX TX
Test procedure: EN55022:2010 Class B
Tested condition: Power input 1phase AC230V
Test distance: 10 m
< 30MHz to 1000MHz >

Date of measurement: May 19, 2015
Temperature: 20.4 degree C
Humidity: 74.6 %
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)
39.01	27.0		2.0	-32.7	20.8	17.1		30.0	12.9	
65.73	31.4		2.6	-32.7	13.1	14.4		30.0	15.6	
117.14	31.2		3.4	-32.6	18.5	20.5		30.0	9.5	
123.57	33.5		3.5	-32.6	19.2	23.6		30.0	6.4	
132.54		26.1	3.6	-32.6	19.9		17.0	30.0		13.0
156.19	31.1	29.2	3.9	-32.6	21.0	23.4	21.5	30.0	6.6	8.5
194.41	27.6		4.4	-32.6	22.7	22.1		30.0	7.9	
371.75		34.2	6.3	-32.5	15.8		23.8	37.0		13.2
625.00		31.5	8.1	-32.5	19.3		26.4	37.0		10.6
750.00		27.8	9.0	-32.4	20.5		24.9	37.0		12.1
789.69		32.0	9.2	-32.4	20.7		29.5	37.0		7.5



Tested by

Yuichiro Yoshida, Engineer

雑音電界強度試験結果 (QP: 準尖頭値)

Operating mode: LAN Print (On Board) + FAX RX

Date of measurement: May 26, 2015

Test procedure: EN55022:2010 Class B

Temperature: 23.4 degree C

Tested condition: Power input 1phase AC230V

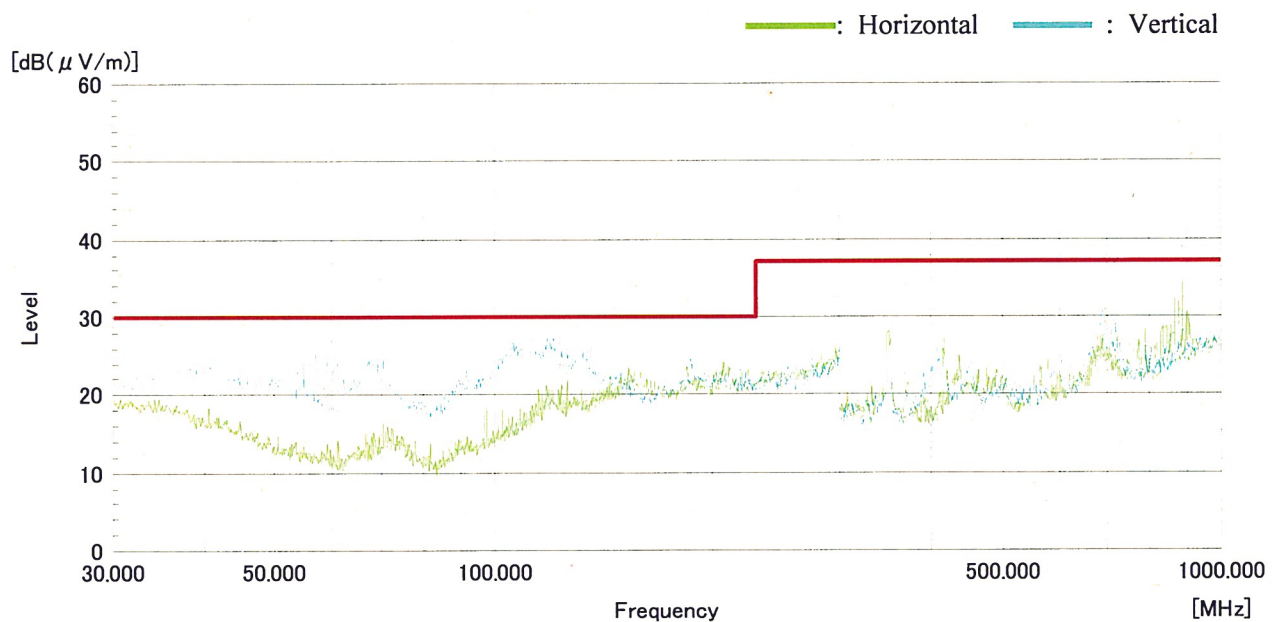
Humidity: 59.9 %

Test distance: 10 m

System: C

< 30MHz to 1000MHz >

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)
58.57	32.4		2.4	-32.7	14.4	16.5		30.0	13.5	
67.40	38.7		2.6	-32.7	12.9	21.5		30.0	8.5	
78.22	33.6		2.8	-32.7	12.5	16.2		30.0	13.8	
97.61	36.5		3.1	-32.7	15.6	22.5		30.0	7.5	
120.82	33.5		3.5	-32.6	18.9	23.3		30.0	6.7	
188.09		24.2	4.4	-32.6	22.4		18.4	30.0		11.6
206.99		24.0	4.6	-32.6	22.9		18.9	30.0		11.1
352.19		38.8	6.1	-32.5	15.3		27.7	37.0		9.3
417.43		34.7	6.9	-32.5	16.7		25.8	37.0		11.2
625.73		31.3	8.1	-32.5	19.3		26.2	37.0		10.8
687.70	32.0		8.5	-32.5	20.1	28.1		37.0	8.9	
789.69		31.0	9.2	-32.4	20.7		28.5	37.0		8.5



Tested by

Yuichiro Yoshida

Yuichiro Yoshida, Engineer

雑音電界強度試験結果 (QP: 準尖頭値)

Operating mode: LAN Print (Option NIC)(Wireless)

Date of measurement: May 27, 2015

Test procedure: EN55022:2010 Class B

Temperature: 20 degree C

Tested condition: Power input 1phase AC230V

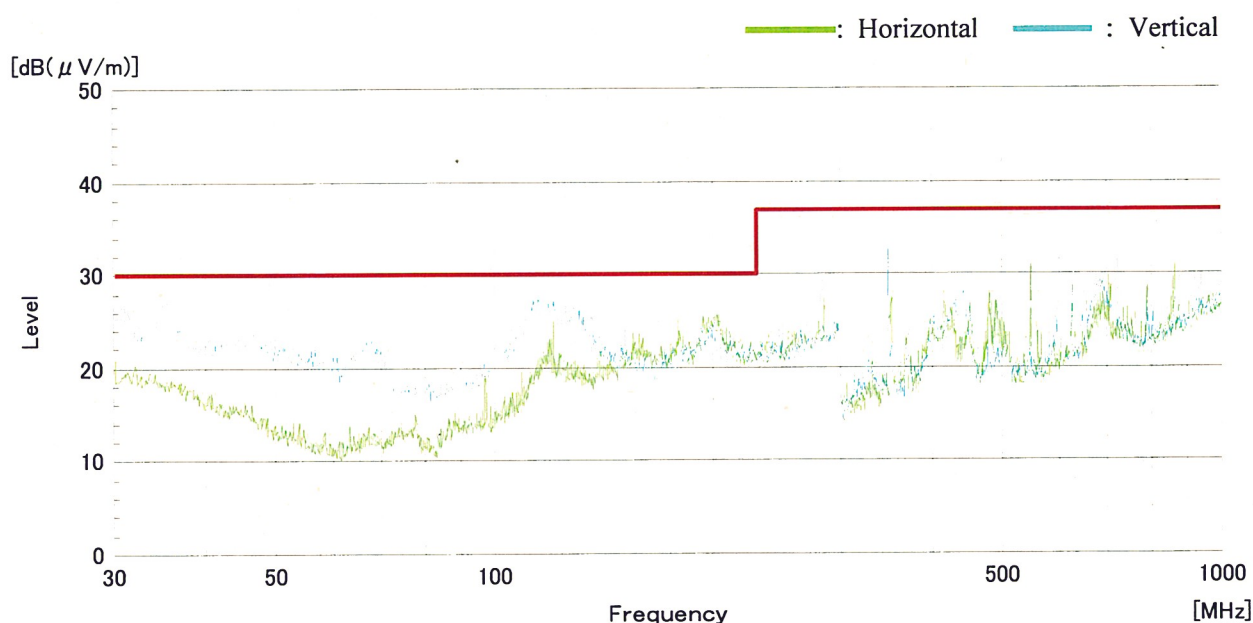
Humidity: 52.9 %

Test distance: 10 m

System: D

< 30MHz to 1000MHz >

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)
30.90	29.7		1.8	-32.8	23.4	22.1		30.0	7.9	
35.16	32.1		1.9	-32.7	22.0	23.3		30.0	6.7	
115.25	35.2		3.4	-32.6	18.3	24.3		30.0	5.7	
117.08		29.3	3.4	-32.6	18.5		18.6	30.0		11.4
156.50		27.1	4.0	-32.6	21.0		19.5	30.0		10.5
181.02		25.1	4.3	-32.6	22.2		19.0	30.0		11.0
204.57		27.2	4.6	-32.6	22.8		22.0	30.0		8.0
417.42		35.0	6.9	-32.5	16.7		26.1	37.0		10.9
437.00	34.4		7.3	-32.5	16.9	26.1		37.0	10.9	
682.50	31.0		8.5	-32.5	20.1	27.1		37.0	9.9	
699.30	29.1		8.6	-32.5	20.3	25.5		37.0	11.5	
875.00		29.3	9.8	-32.0	21.7		28.8	37.0		8.2



Tested by

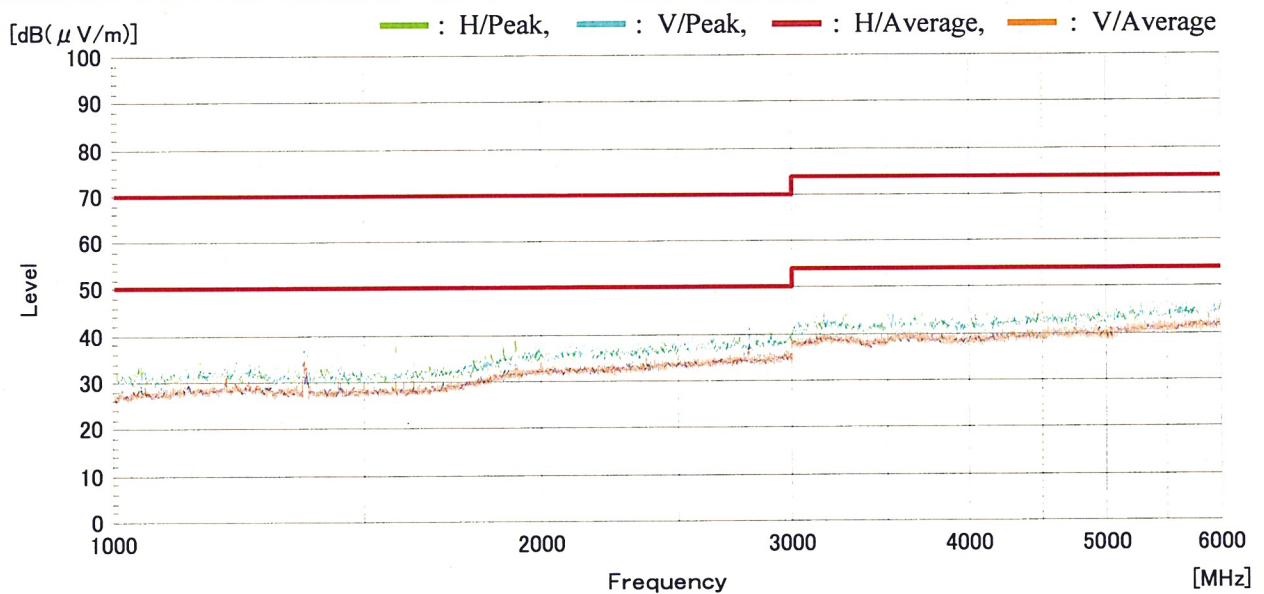
Yuichiro Yoshida, Engineer

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
< 1000MHz to 6000MHz >

Date of measurement: May 28, 2015
Temperature: 25.7 degree C
Humidity: 47.4 %
System: A

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		3m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor. (dBμV)				Ver. (dBμV/m)	Hor. (dBμV/m)		Ver. (dB)	Hor. (dB)
Peak										
1357.05	49.7	49.8	8.0	-45.0	28.3	41.0	41.1	70.0	29.0	28.9
1440.00	48.6		8.2	-44.7	28.0	40.1		70.0	29.9	
1579.39	46.4	47.5	8.6	-44.2	28.0	38.8	39.9	70.0	31.2	30.1
1625.00	47.0	48.6	8.8	-44.0	28.1	39.9	41.5	70.0	30.1	28.5
1920.00		42.2	9.7	-42.9	31.1		40.1	70.0		29.9
2369.10		41.5	10.9	-42.0	31.5		41.9	70.0		28.1
2400.00	41.2		10.9	-42.0	31.6	41.7		70.0	28.3	
2800.00	41.7	42.0	12.2	-42.6	32.1	43.4	43.7	70.0	26.6	26.3
Average										
1357.05	32.5	32.2	8.0	-45.0	28.3	23.8	23.5	50.0	26.2	26.5
1440.00	44.2		8.2	-44.7	28.0	35.7		50.0	14.3	
1579.39	39.8	42.7	8.6	-44.2	28.0	32.2	35.1	50.0	17.8	14.9
1625.00	39.3	39.5	8.8	-44.0	28.1	32.2	32.4	50.0	17.8	17.6
1920.00		31.0	9.7	-42.9	31.1		28.9	50.0		21.1
2369.10		34.0	10.9	-42.0	31.5		34.4	50.0		15.6
2400.00	31.7		10.9	-42.0	31.6	32.2		50.0	17.8	
2800.00	33.8	33.5	12.2	-42.6	32.1	35.5	35.2	50.0	14.5	14.8



Tested by

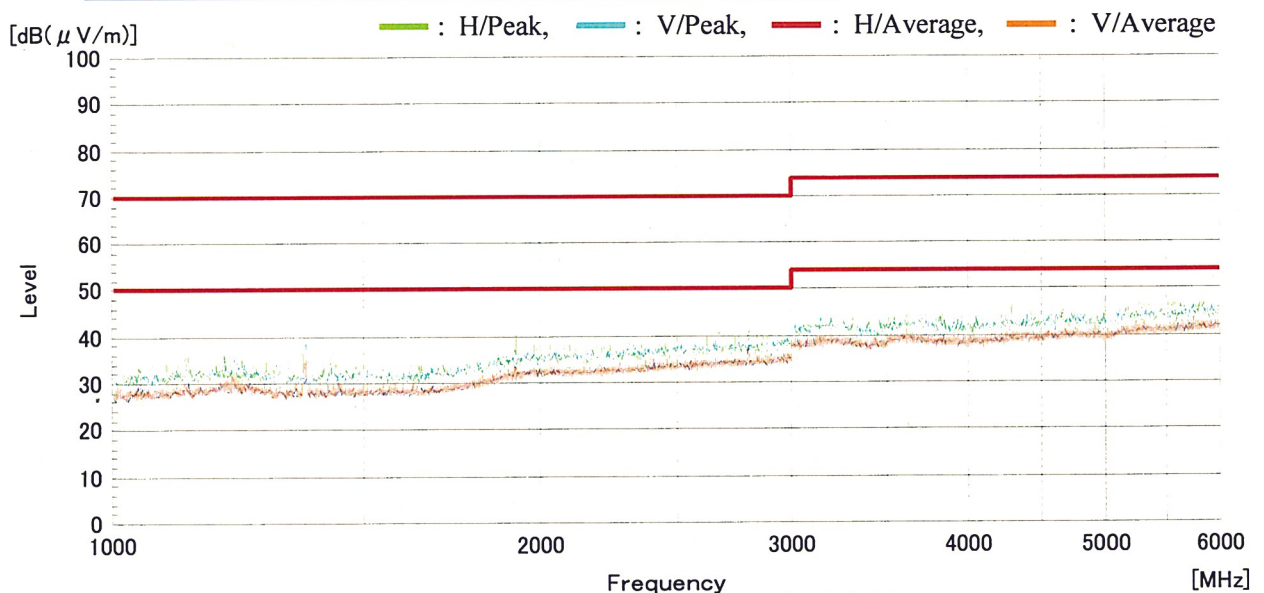
Yuichiro Yoshida, Engineer

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
< 1000MHz to 6000MHz >

Date of measurement: May 29, 2015
Temperature: 25.7 degree C
Humidity: 47.4 %
System: A

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		3m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor.				Ver.	Hor.		Ver.	Hor.
Peak										
1200.03	50.6		7.5	-45.5	29.4	42.0		70.0	28.0	
1358.80		59.9	8.0	-45.0	28.3		51.2	70.0		18.8
1370.38	53.1		8.0	-44.9	28.2	44.4		70.0	25.6	
1440.00	54.5		8.2	-44.7	28.0	46.0		70.0	24.0	
1579.44		59.4	8.6	-44.2	28.0		51.8	70.0		18.2
1625.00		51.5	8.8	-44.0	28.1		44.4	70.0		25.6
1920.00	51.6		9.7	-42.9	31.1	49.5		70.0	20.5	
1926.10		45.3	9.7	-42.8	31.1		43.3	70.0		26.7
2400.00	42.2		10.9	-42.0	31.6	42.7		70.0	27.3	
2500.00		41.7	11.3	-42.1	32.2		43.1	70.0		26.9
2800.00	44.3	45.3	12.2	-42.6	32.1	46.0	47.0	70.0	24.0	23.0
Average										
1200.03	40.1		7.5	-45.5	29.4	31.5		50.0	18.5	
1358.80		33.1	8.0	-45.0	28.3		24.4	50.0		25.6
1370.38	33.7		8.0	-44.9	28.2	25.0		50.0	25.0	
1440.00	45.2		8.2	-44.7	28.0	36.7		50.0	13.3	
1579.44		42.6	8.6	-44.2	28.0		35.0	50.0		15.0
1625.00		42.3	8.8	-44.0	28.1		35.2	50.0		14.8
1920.00	32.7		9.7	-42.9	31.1	30.6		50.0	19.4	
1926.10		27.8	9.7	-42.8	31.1		25.8	50.0		24.2
2400.00	31.7		10.9	-42.0	31.6	32.2		50.0	17.8	
2500.00		32.8	11.3	-42.1	32.2		34.2	50.0		15.8
2800.00	35.5	36.4	12.2	-42.6	32.1	37.2	38.1	50.0	12.8	11.9



Tested by

Yuichiro Yoshida

Yuichiro Yoshida, Engineer

雑音電界強度試験結果 (Peak: 尖頭値, Average: 平均値)

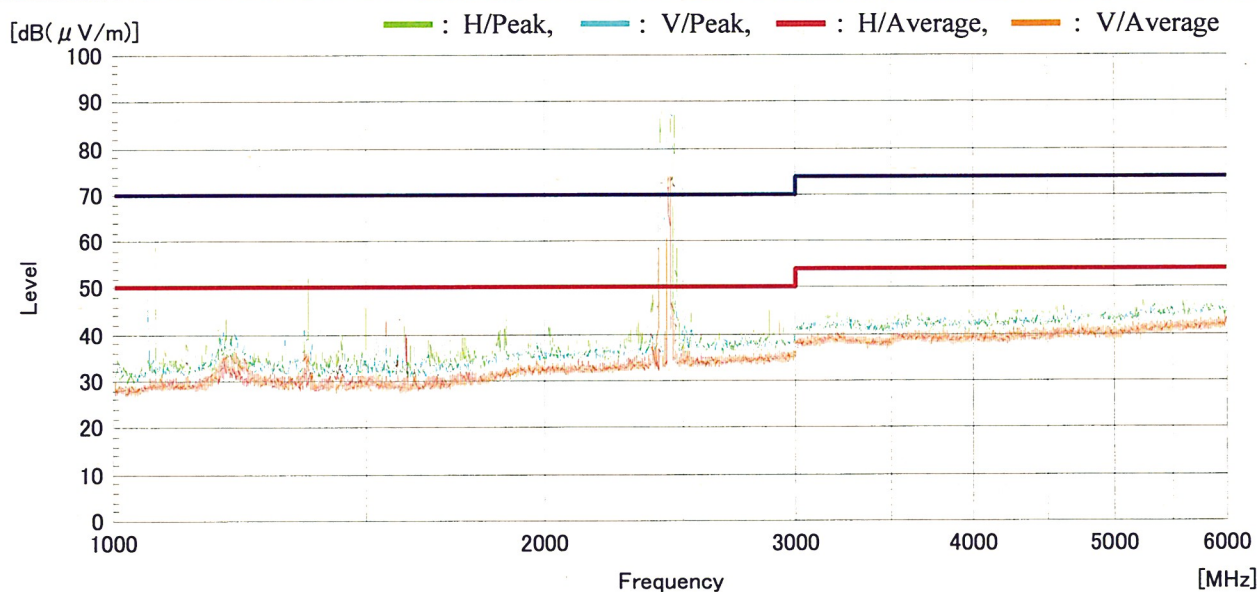
Operating mode: LAN Print (Option NIC)(Wireless) Date of measurement: May 18, 2015
Test procedure: EN55022:2010 Class B Temperature: 18.2 degree C
Tested condition: Power input 1phase AC230V Humidity: 57.7 %
Test distance: 3 m System: D

< 1000MHz to 6000MHz >

Frequency (MHz)	Level		Cable Loss (dB)	Amp. Gain (dB)	Ant. Factor (dB/m)	Result		3m Limit (dBμV/m)	Margin	
	Ver. (dBμV)	Hor.				Ver. (dBμV/m)	Hor.		Ver. (dB)	Hor.
Peak										
1194.20	65.0	63.7	7.4	-45.5	29.4	56.3	55.0	70.0	13.7	15.0
1357.08	67.6	61.0	8.0	-45.0	28.3	58.9	52.3	70.0	11.1	17.7
1375.08	66.3	67.0	8.0	-44.9	28.2	57.6	58.3	70.0	12.4	11.7
1440.04		71.1	8.2	-44.7	28.0		62.6	70.0		7.4
1560.60	65.5		8.6	-44.3	28.0	57.8		70.0	12.2	
1579.40		65.5	8.6	-44.2	28.0		57.9	70.0		12.1
1625.07	65.9	64.3	8.8	-44.0	28.1	58.8	57.2	70.0	11.2	12.8
1724.90	54.9		9.1	-43.7	28.7	49.0		70.0	21.0	

Average

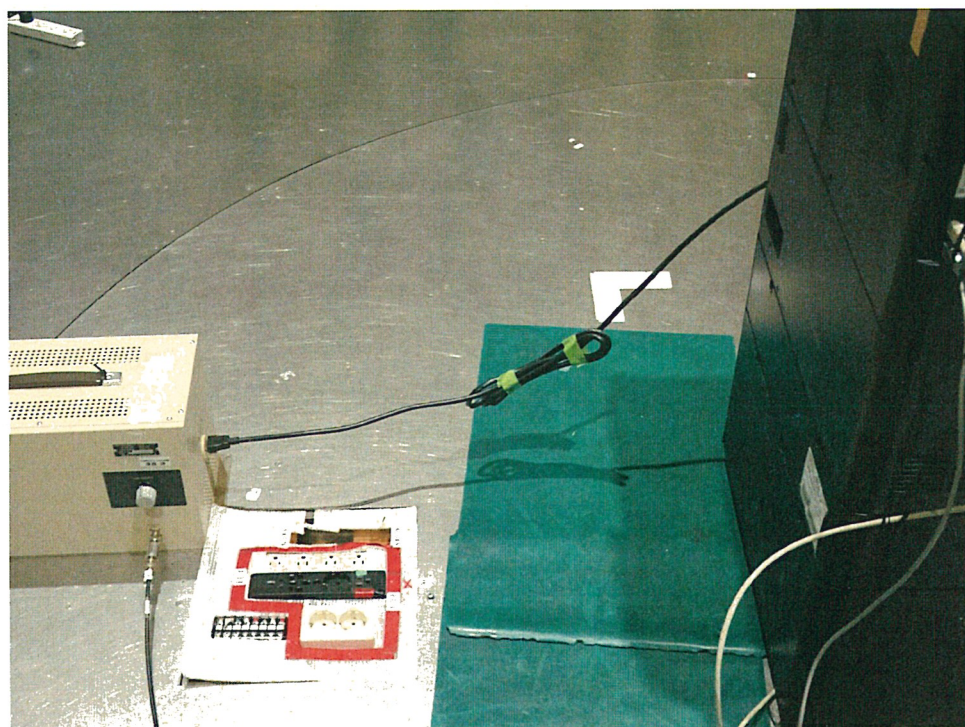
1194.20	36.4	35.7	7.4	-45.5	29.4	27.7	27.0	50.0	22.3	23.0
1357.08	34.3	32.4	8.0	-45.0	28.3	25.6	23.7	50.0	24.4	26.3
1375.08	42.7	40.1	8.0	-44.9	28.2	34.0	31.4	50.0	16.0	18.6
1440.04		39.1	8.2	-44.7	28.0		30.6	50.0		19.4
1560.60	30.8		8.6	-44.3	28.0	23.1		50.0	26.9	
1579.40		40.6	8.6	-44.2	28.0		33.0	50.0		17.0
1625.07	39.0	37.3	8.8	-44.0	28.1	31.9	30.2	50.0	18.1	19.8
1724.90	29.5		9.1	-43.7	28.7	23.6		50.0	26.4	



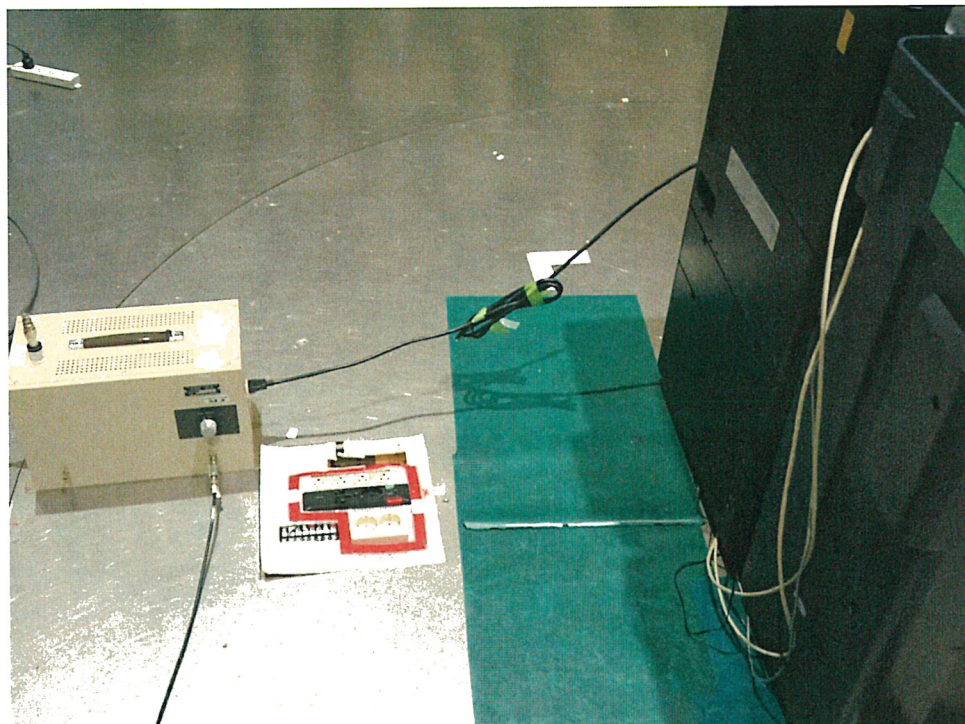
Tested by

Yuichiro Yoshida
Yuichiro Yoshida, Engineer

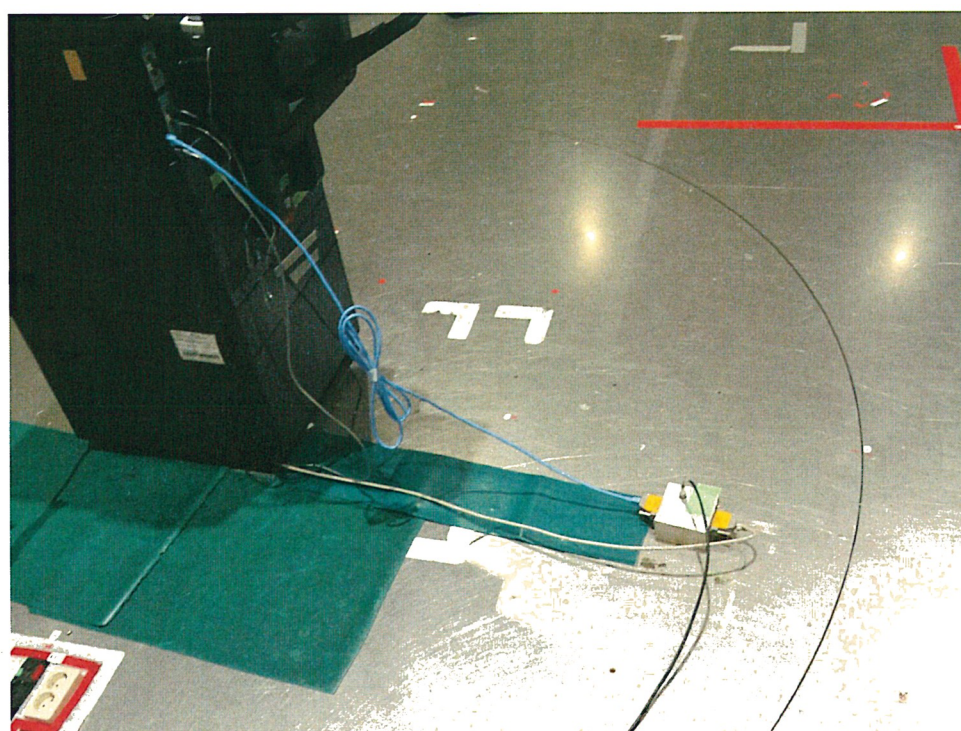
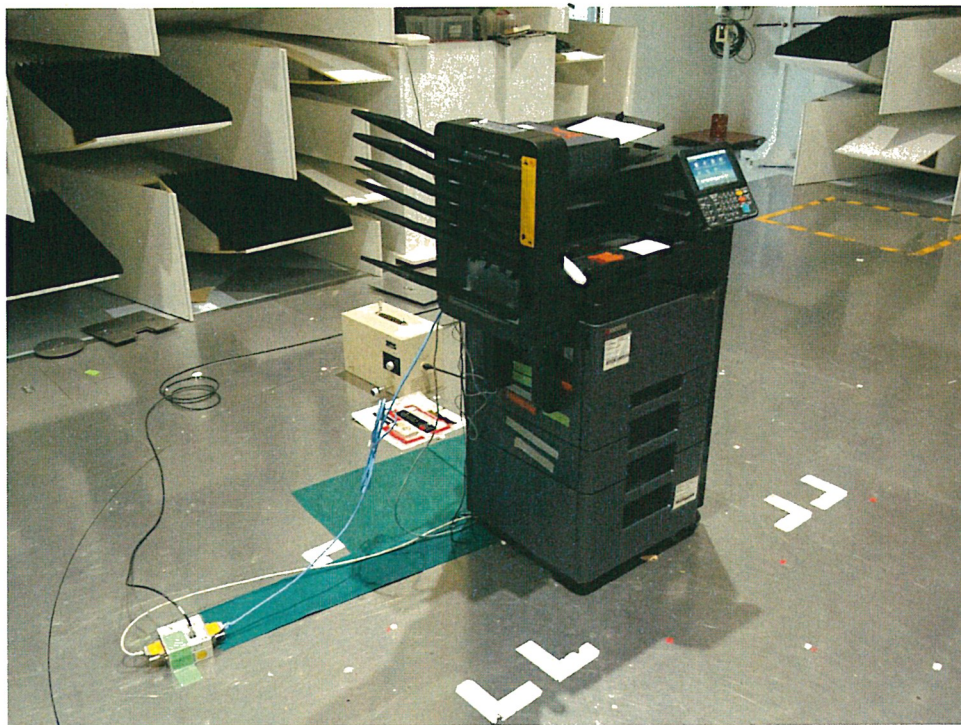
(Conducted Emission) System-A



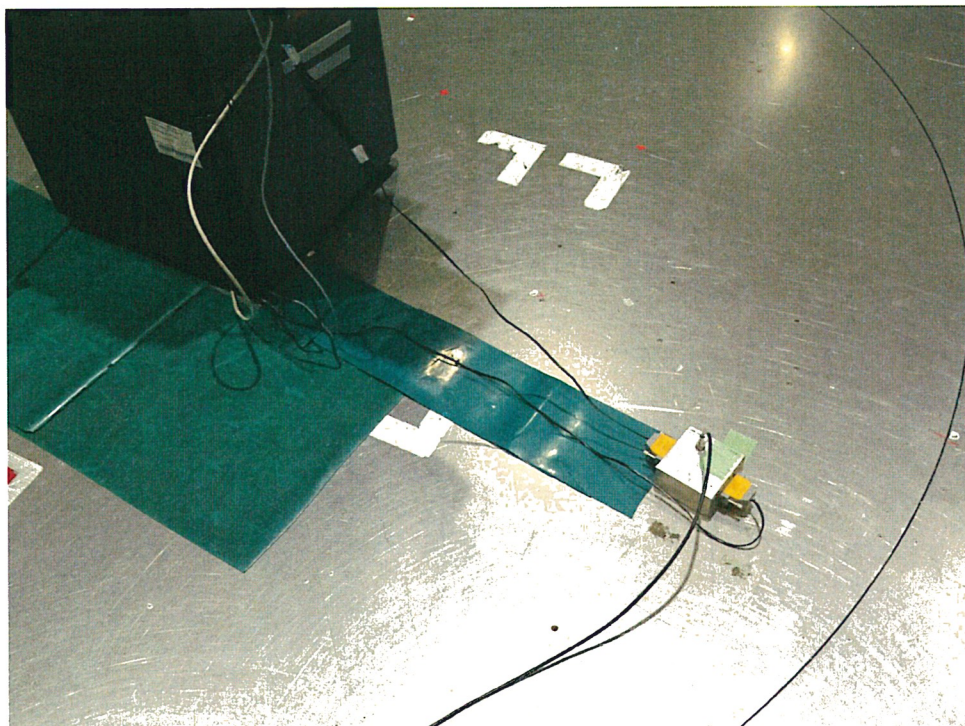
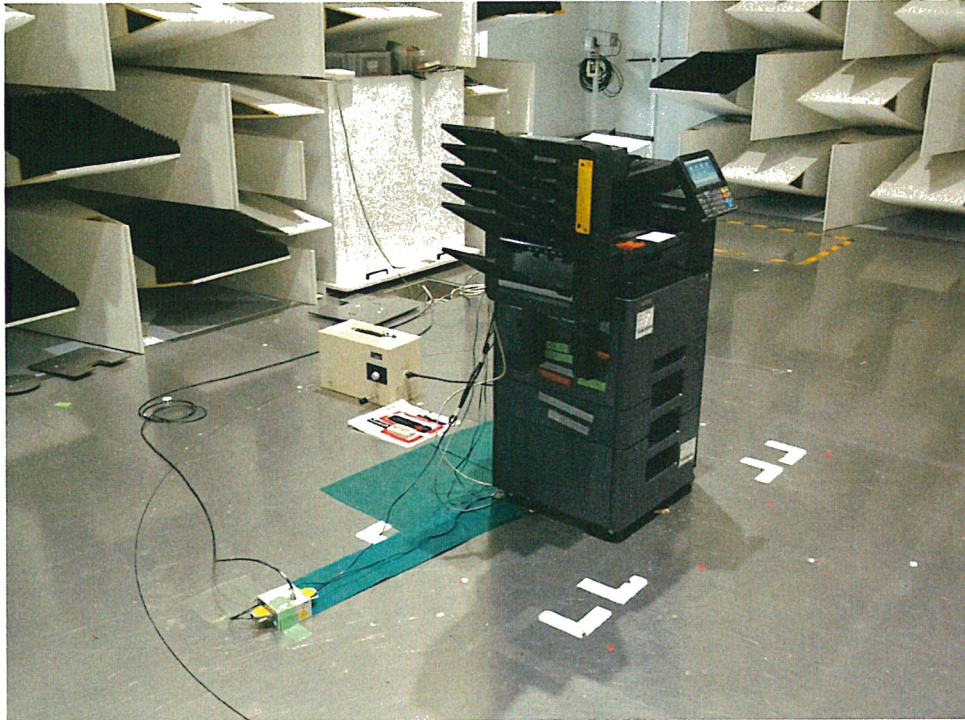
(Conducted Emission) System-C



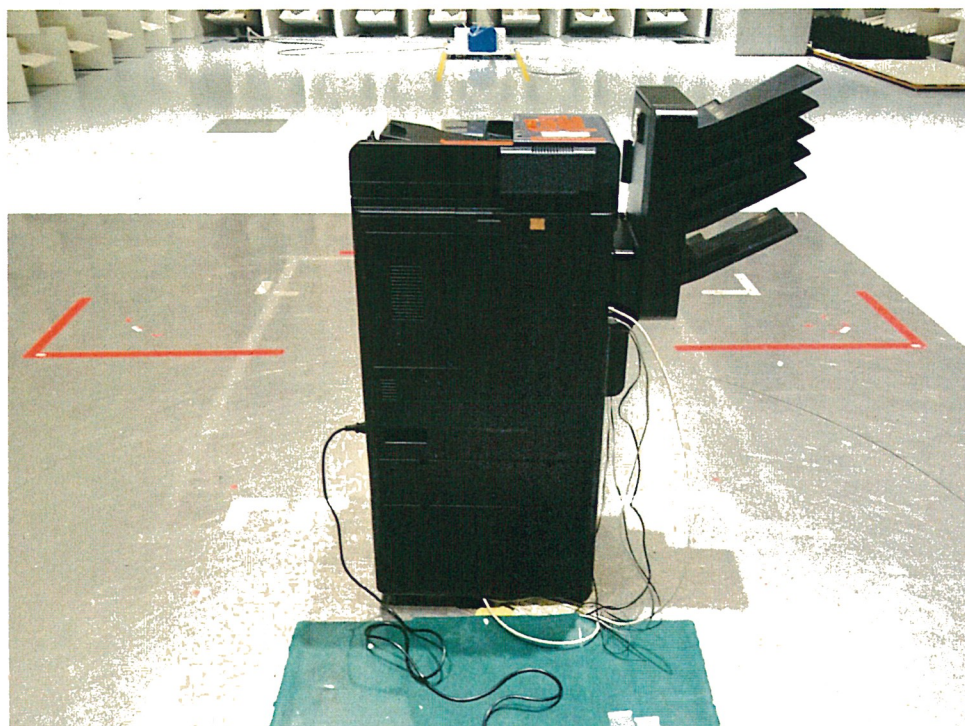
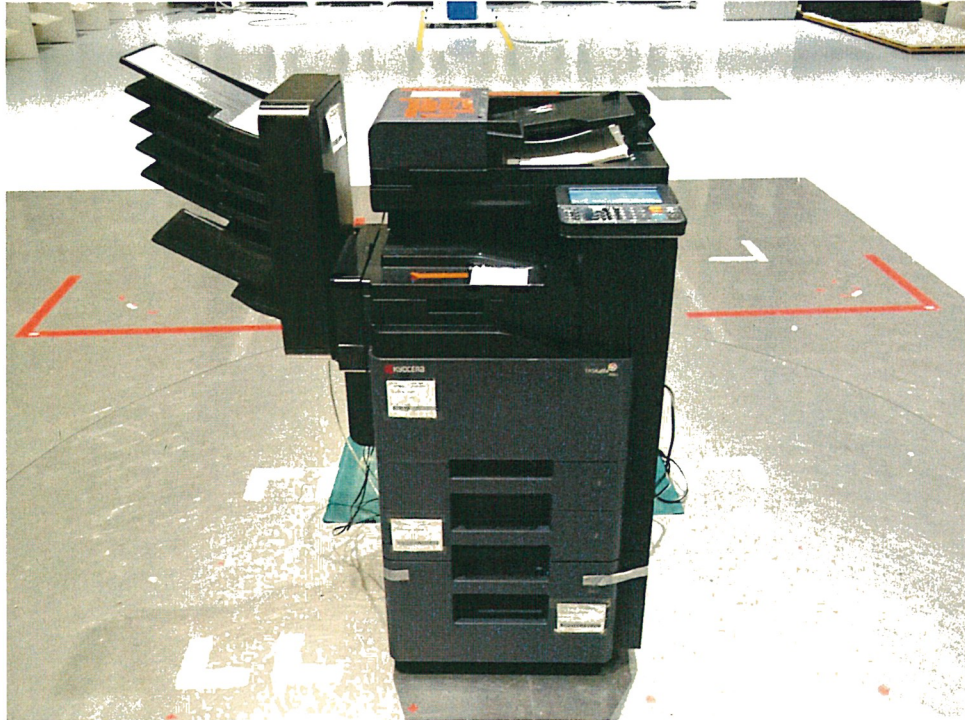
(Conducted Emission for Telecommunication ports)
(LAN)



(Conducted Emission for Telecommunication ports)
(FAX)

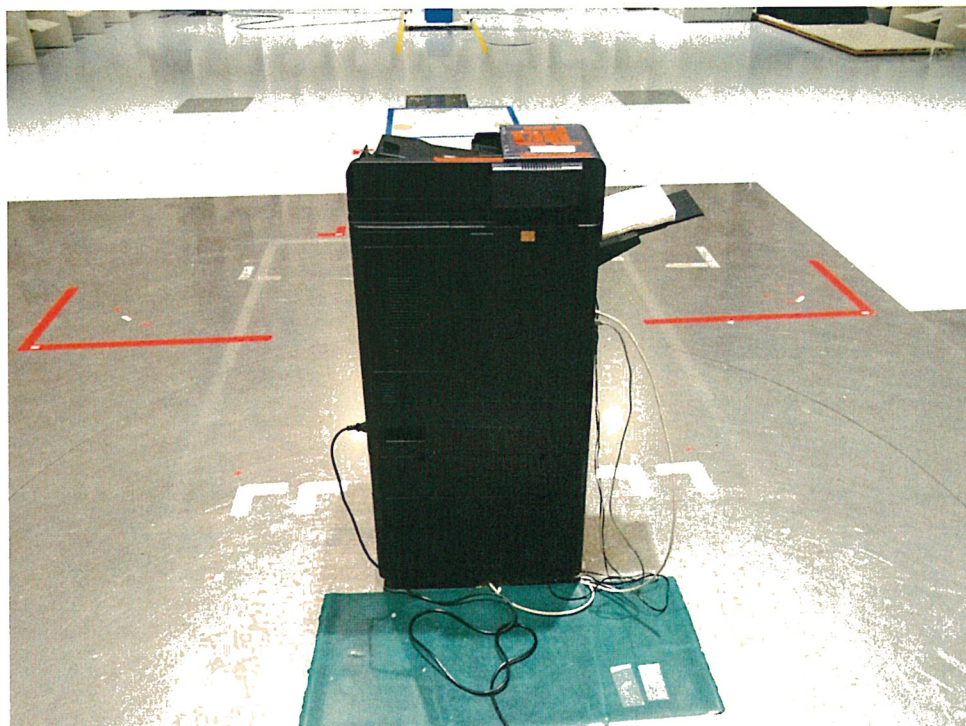


(Radiated Emission)
System-A

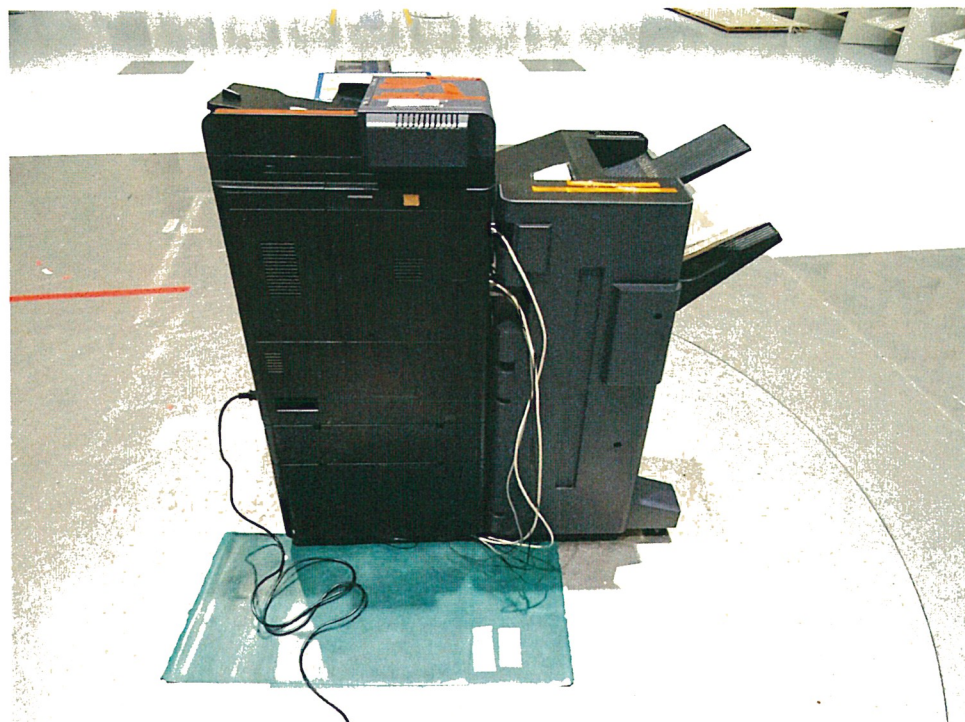


(Radiated Emission)

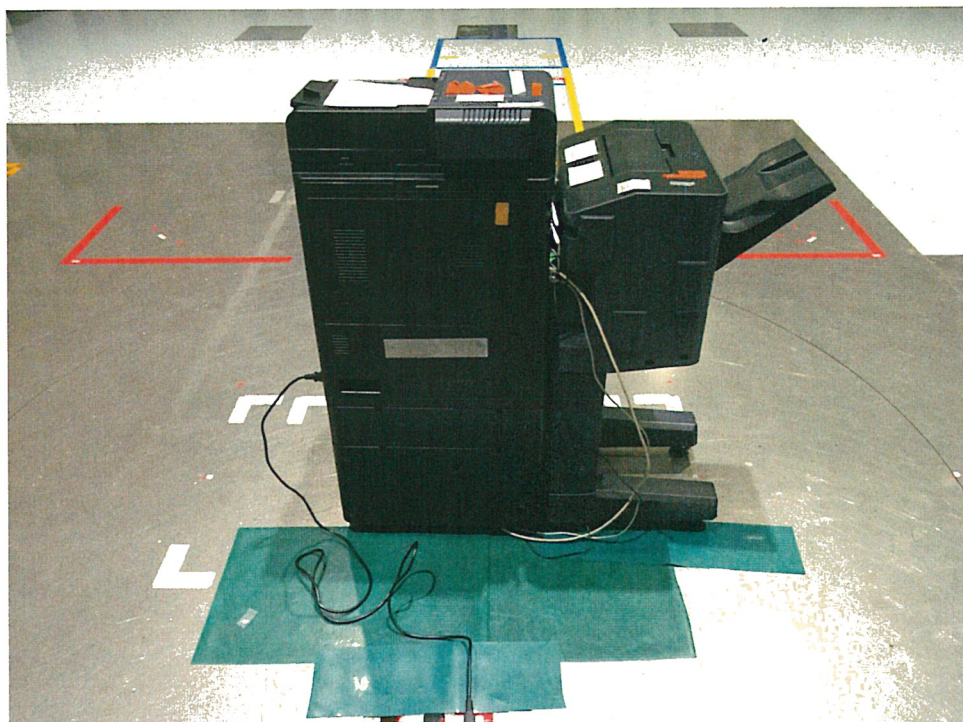
System-B



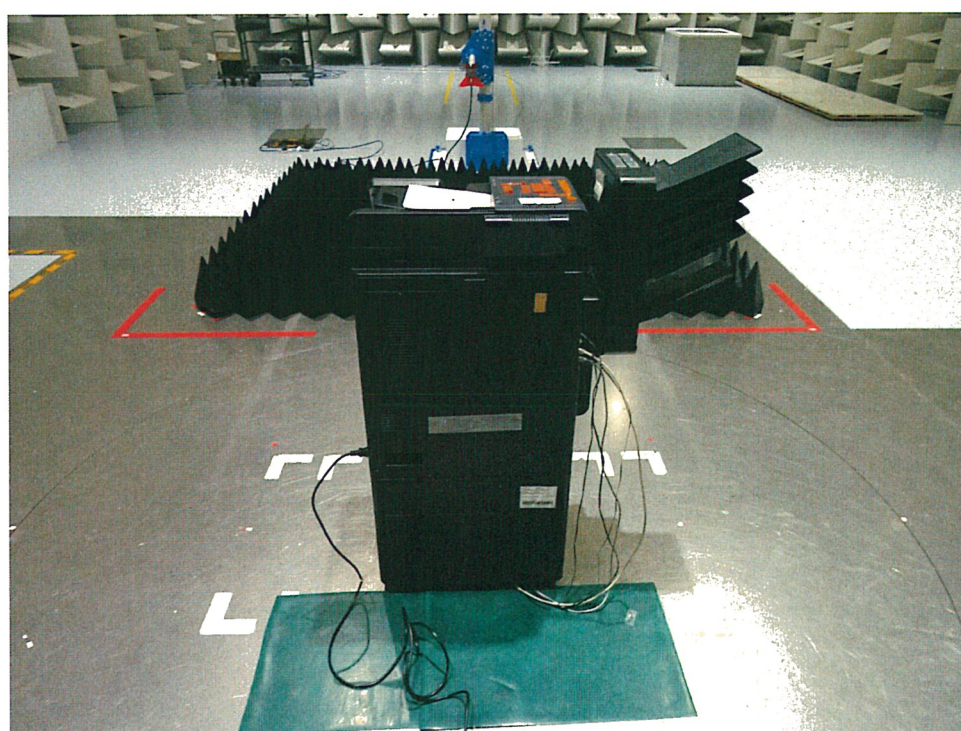
(Radiated Emission) System-C



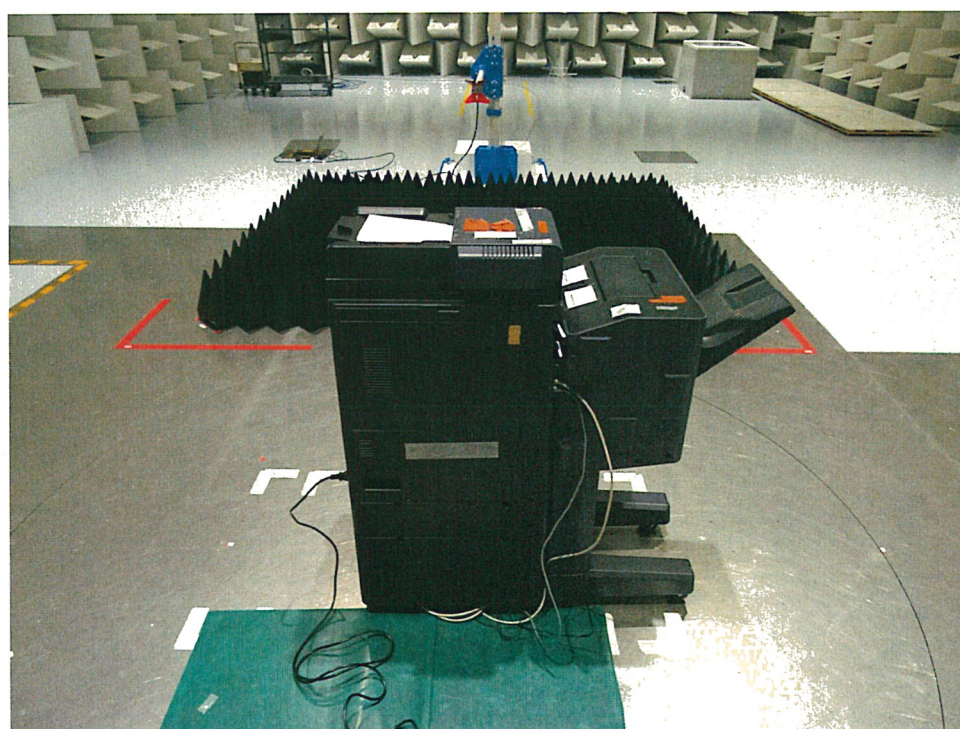
(Radiated Emission)
System-D



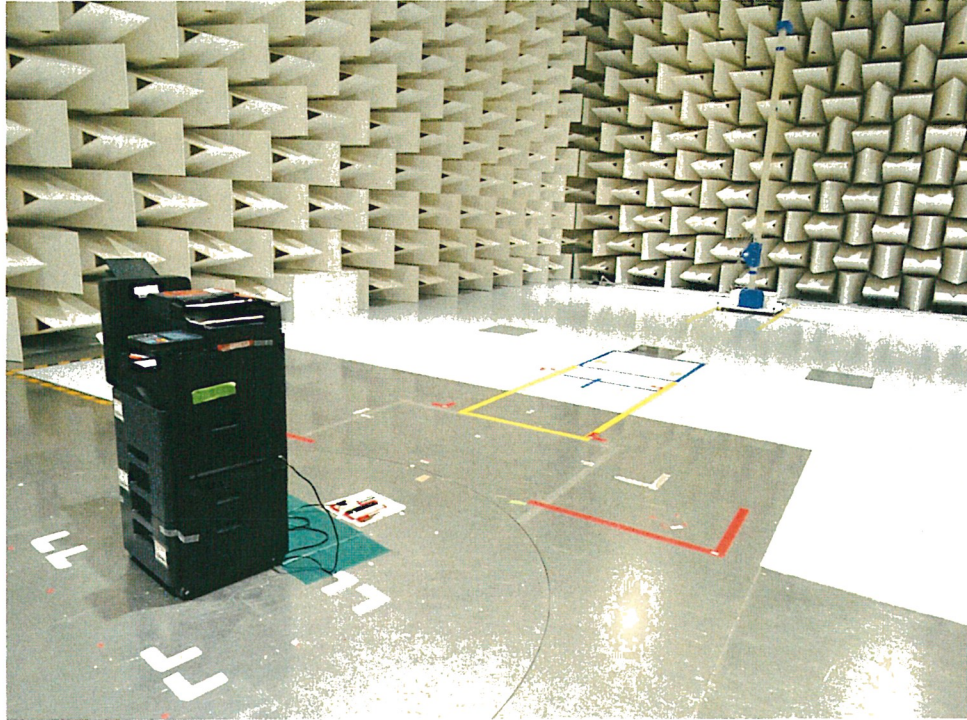
(Radiated Emission) -GHz- System-A



(Radiated Emission) -GHz- System-D



(Radiated Emission / Worst Case)



EN61000-3-2/2006+A1/2009+A2/2009
(*EN 301 489-1 V1.9.2 <8.5>*)

Harmonic Current Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 356ci / 406ci	Z795300015
Paper Feeder	PF-5120	Z7J5300158
	PF-5130	Z7K5300102
	PF-5140	Z7L5300058
Document Processor	DP-5100	Z7N5300057
	DP-5110	Z7P5300071
Finisher	DF-5100	Z7T5300071
	DF-5110	Z7Q5300058
	DF-5120	Z7R5300051
Punch Unit	PH-5120	Z7V5300045
Multi Tray	MT-5100	Z7U5300081
Job Separator	JS-5100	Z7H5300059
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Bridge	AK-5100	Z7G5300125
FAX Kit	FAX System 10	ZEF5300008
Hard Disk Drive	HD-11	ZEM5300021

Date : 7 July, 2015

Temperature : 24°C

Humidity : 56%

Atom. Pressure : 1018hPa

Testing Place : Kyocera Document Solutions CE Test Room

Power Input : AC230V, 50Hz

Tested by : Takayuki Matsuura

J. 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≤n≤40	1.08 A	Pass
5	1.14 A			0.43 A	
7	0.77 A			0.30 A	
9	0.40 A			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)

TASKalfa 406ci (Average)

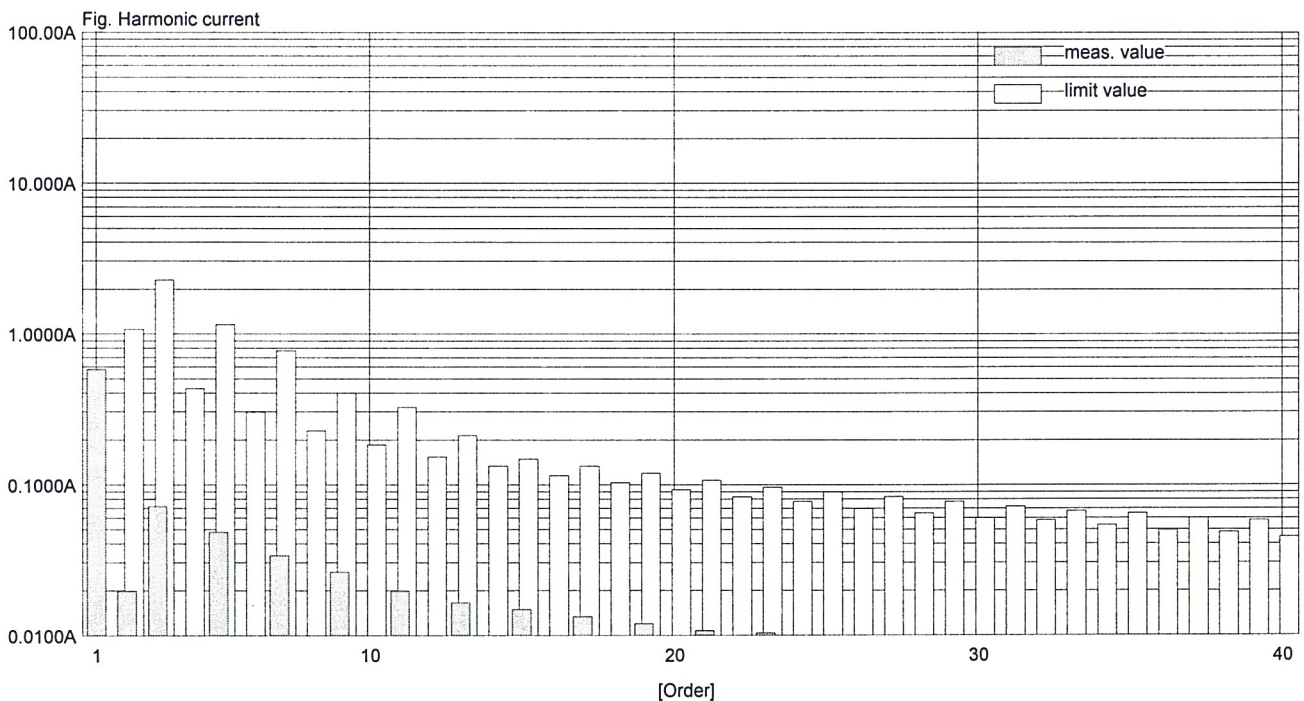
Print Date : Tue Jul 07 13:12:35 2015
 MeasureDate : Tue Jul 07 13:12:08 2015
 Comment : Standby
 Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (11), IB-50

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) : 0.5942 A
 Voltage(rms) : 229.71 V
 Frequency : 50.001 Hz
 Power Factor : 0.7859
 POHC Limit : 0.2514 A
 POHC Max : 0.0307 A
 THC : 0.1131 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 375.3969 W
 Sigma PF : 0.7859
 Distortion factor(V) : 0.06 %
 V THDS : 0.06 %
 V THDG : 0.06 %
 Distortion factor(A) : 25.91 %
 A THDS : 26.12 %
 A THDG : 26.65 %
 P THD : 0.01 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.5783			2	0.0196	1.0800	98.2
3	0.0733	2.3000	96.8	4	0.0079	0.4300	98.2
5	0.0494	1.1400	95.7	6	0.0036	0.3000	98.8
7	0.0341	0.7700	95.6	8	0.0023	0.2300	99.0
9	0.0260	0.4000	93.5	10	0.0017	0.1840	99.1
11	0.0197	0.3300	94.0	12	0.0014	0.1533	99.1
13	0.0164	0.2100	92.2	14	0.0011	0.1314	99.1
15	0.0148	0.1500	90.1	16	0.0010	0.1150	99.1
17	0.0132	0.1324	90.1	18	0.0009	0.1022	99.1
19	0.0122	0.1184	89.7	20	0.0008	0.0920	99.1
21	0.0108	0.1071	89.9	22	0.0008	0.0836	99.1
23	0.0103	0.0978	89.4	24	0.0007	0.0767	99.0
25	0.0094	0.0900	89.6	26	0.0007	0.0708	99.1
27	0.0081	0.0833	90.2	28	0.0007	0.0657	99.0
29	0.0078	0.0776	89.9	30	0.0007	0.0613	98.9
31	0.0075	0.0726	89.6	32	0.0006	0.0575	98.9
33	0.0073	0.0682	89.2	34	0.0006	0.0541	98.9
35	0.0070	0.0643	89.2	36	0.0006	0.0511	98.8
37	0.0063	0.0608	89.6	38	0.0006	0.0484	98.8
39	0.0060	0.0577	89.6	40	0.0006	0.0460	98.7



TASKalfa 406ci (Maximum)

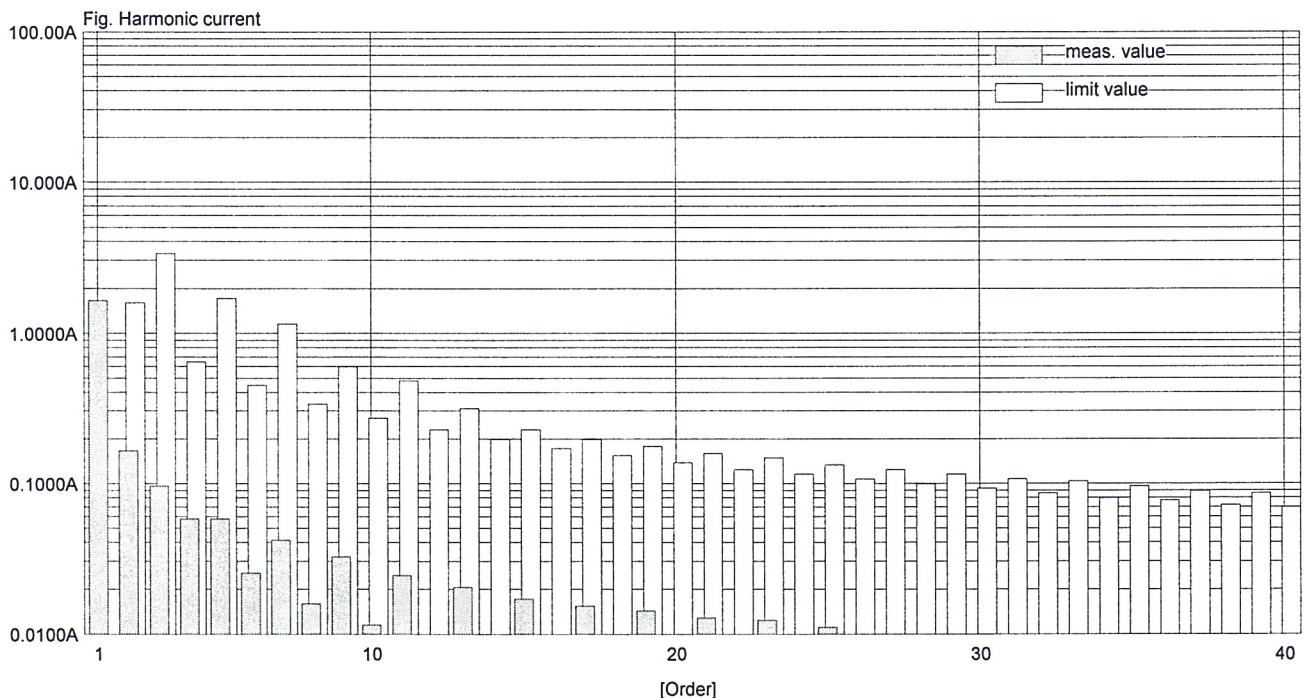
Print Date : Tue Jul 07 13:12:36 2015
 MeasureDate : Tue Jul 07 13:12:08 2015
 Comment : Standby
 Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (11), IB-50

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) : 1.7008 A
 Voltage(rms) : 229.73 V
 Frequency : 50.009 Hz
 Power Factor : 0.9612
 Beyond Limit Time : 14.9998 s
 Beyond Total Time : 0.0000 s
 THC : 0.2171 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 375.3969 W
 Sigma PF : 0.9612
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.08 %
 Distortion factor(A) : 39.22 %
 A THDS : 48.25 %
 A THDG : 71.35 %
 P THD : 0.01 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.6801			2	0.1626	1.6200	90.0
3	0.0967	3.4500	97.2	4	0.0593	0.6450	90.8
5	0.0583	1.7100	96.6	6	0.0257	0.4500	94.3
7	0.0421	1.1550	96.4	8	0.0160	0.3450	95.4
9	0.0326	0.6000	94.6	10	0.0114	0.2760	95.9
11	0.0250	0.4950	95.0	12	0.0089	0.2300	96.1
13	0.0202	0.3150	93.6	14	0.0071	0.1971	96.4
15	0.0174	0.2250	92.2	16	0.0059	0.1725	96.6
17	0.0153	0.1985	92.3	18	0.0051	0.1533	96.7
19	0.0142	0.1776	92.0	20	0.0045	0.1380	96.7
21	0.0130	0.1607	91.9	22	0.0042	0.1255	96.7
23	0.0123	0.1467	91.6	24	0.0038	0.1150	96.7
25	0.0113	0.1350	91.6	26	0.0035	0.1062	96.7
27	0.0098	0.1250	92.2	28	0.0032	0.0986	96.7
29	0.0092	0.1164	92.1	30	0.0030	0.0920	96.7
31	0.0088	0.1089	91.9	32	0.0028	0.0862	96.7
33	0.0085	0.1023	91.7	34	0.0027	0.0812	96.6
35	0.0080	0.0964	91.7	36	0.0026	0.0767	96.6
37	0.0075	0.0912	91.7	38	0.0025	0.0726	96.6
39	0.0071	0.0865	91.7	40	0.0024	0.0690	96.6



TASKalfa 406ci (Average)

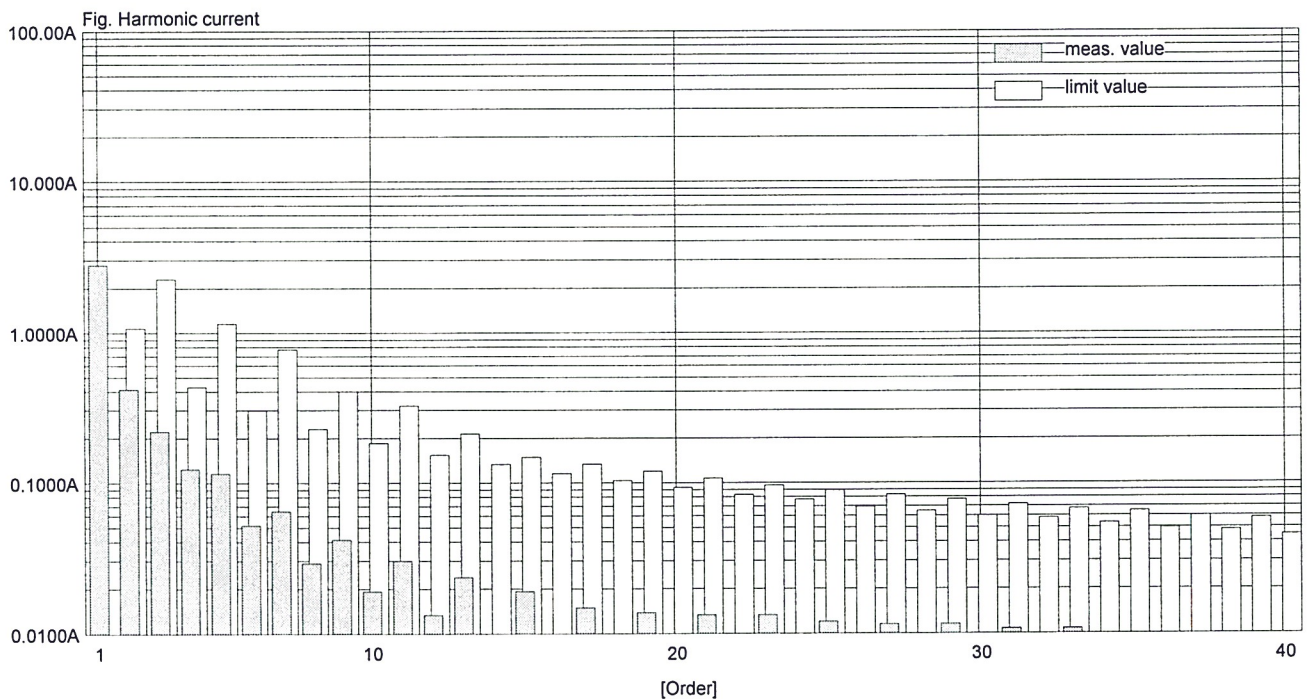
Print Date : Tue Jul 07 13:17:52 2015
 MeasureDate : Tue Jul 07 13:17:30 2015
 Comment : Duplex Copy
 Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (11), IB-50

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) : 2.8490 A
 Voltage(rms) : 229.53 V
 Frequency : 50.001 Hz
 Power Factor : 0.9767
 POHC Limit : 0.2514 A
 POHC Max : 0.0371 A
 THC : 0.5211 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 770.5497 W
 Sigma PF : 0.9767
 Distortion factor(V) : 0.05 %
 V THDS : 0.05 %
 V THDG : 0.06 %
 Distortion factor(A) : 14.25 %
 A THDS : 17.13 %
 A THDG : 18.79 %
 P THD : 0.01 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.7996			2	0.4218	1.0800	60.9
3	0.2230	2.3000	90.3	4	0.1234	0.4300	71.3
5	0.1149	1.1400	89.9	6	0.0526	0.3000	82.5
7	0.0657	0.7700	91.5	8	0.0293	0.2300	87.2
9	0.0429	0.4000	89.3	10	0.0189	0.1840	89.7
11	0.0304	0.3300	90.8	12	0.0132	0.1533	91.4
13	0.0234	0.2100	88.9	14	0.0097	0.1314	92.6
15	0.0192	0.1500	87.2	16	0.0075	0.1150	93.5
17	0.0151	0.1324	88.6	18	0.0061	0.1022	94.1
19	0.0138	0.1184	88.4	20	0.0050	0.0920	94.5
21	0.0135	0.1071	87.4	22	0.0042	0.0836	95.0
23	0.0135	0.0978	86.2	24	0.0035	0.0767	95.4
25	0.0119	0.0900	86.8	26	0.0030	0.0708	95.7
27	0.0117	0.0833	85.9	28	0.0027	0.0657	95.9
29	0.0116	0.0776	85.1	30	0.0024	0.0613	96.1
31	0.0106	0.0726	85.3	32	0.0021	0.0575	96.3
33	0.0107	0.0682	84.3	34	0.0019	0.0541	96.4
35	0.0100	0.0643	84.5	36	0.0018	0.0511	96.5
37	0.0091	0.0608	85.1	38	0.0017	0.0484	96.6
39	0.0097	0.0577	83.2	40	0.0016	0.0460	96.6



TASKalfa 406ci (Maximum)

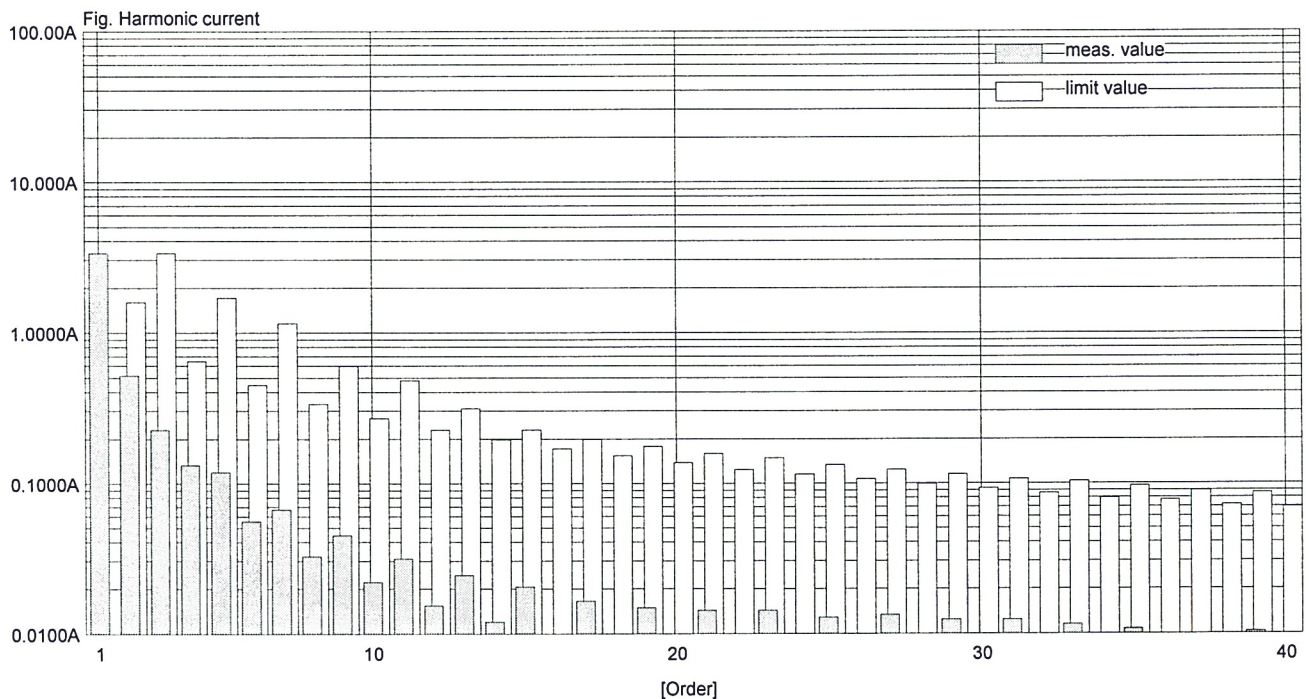
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 MeasureDate : Tue Jul 07 13:17:30 2015
 Comment : Duplex Copy
 Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (11), IB-50

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) : 3.3972 A
 Voltage(rms) : 229.56 V
 Frequency : 50.005 Hz
 Power Factor : 0.9886
 Beyond Limit Time : 14.9998 s
 Beyond Total Time : 0.0000 s
 THC : 0.6071 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 770.5497 W
 Sigma PF : 0.9886
 Distortion factor(V) : 0.07 %
 V THDS : 0.07 %
 V THDG : 0.07 %
 Distortion factor(A) : 20.13 %
 A THDS : 21.26 %
 A THDG : 22.55 %
 P THD : 0.01 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.3714			2	0.5253	1.6200	67.6
3	0.2313	3.4500	93.3	4	0.1317	0.6450	79.6
5	0.1182	1.7100	93.1	6	0.0568	0.4500	87.4
7	0.0684	1.1550	94.1	8	0.0329	0.3450	90.5
9	0.0457	0.6000	92.4	10	0.0217	0.2760	92.1
11	0.0320	0.4950	93.5	12	0.0156	0.2300	93.2
13	0.0246	0.3150	92.2	14	0.0118	0.1971	94.0
15	0.0203	0.2250	91.0	16	0.0095	0.1725	94.5
17	0.0164	0.1985	91.7	18	0.0079	0.1533	94.9
19	0.0151	0.1776	91.5	20	0.0068	0.1380	95.1
21	0.0142	0.1607	91.2	22	0.0057	0.1255	95.4
23	0.0145	0.1467	90.1	24	0.0050	0.1150	95.7
25	0.0129	0.1350	90.5	26	0.0044	0.1062	95.8
27	0.0132	0.1250	89.5	28	0.0040	0.0986	96.0
29	0.0126	0.1164	89.2	30	0.0037	0.0920	96.0
31	0.0123	0.1089	88.7	32	0.0033	0.0862	96.2
33	0.0116	0.1023	88.7	34	0.0030	0.0812	96.3
35	0.0106	0.0964	89.0	36	0.0028	0.0767	96.3
37	0.0098	0.0912	89.3	38	0.0027	0.0726	96.3
39	0.0103	0.0865	88.0	40	0.0025	0.0690	96.4



TASKalfa 406ci (Average)

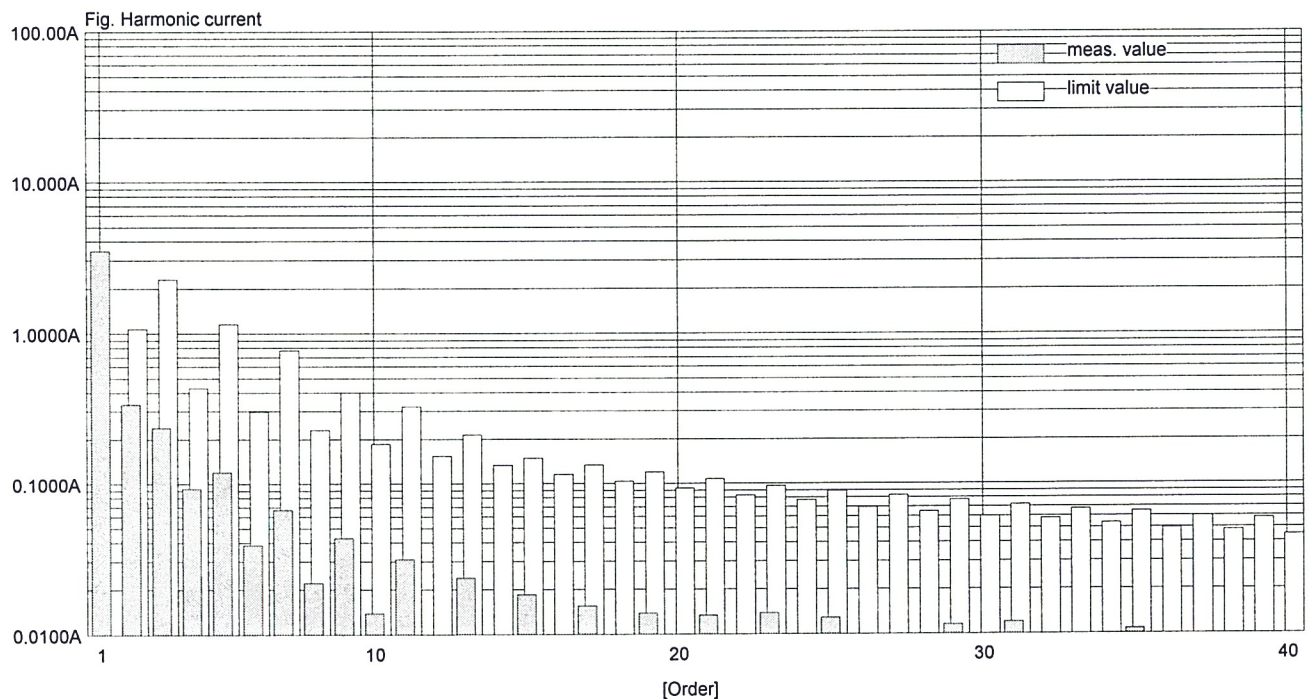
Print Date : Tue Jul 07 13:22:14 2015
 MeasureDate : Tue Jul 07 13:21:43 2015
 Comment : 1 Side Copy
 Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (11), IB-50

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) : 3.5573 A
 Voltage(rms) : 229.47 V
 Frequency : 50.000 Hz
 Power Factor : 0.9874
 POHC Limit : 0.2514 A
 POHC Max : 0.0368 A
 THC : 0.4580 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 897.3878 W
 Sigma PF : 0.9874
 Distortion factor(V) : 0.06 %
 V THDS : 0.06 %
 V THDG : 0.07 %
 Distortion factor(A) : 11.20 %
 A THDS : 12.40 %
 A THDG : 13.11 %
 P THD : 0.00 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.5262			2	0.3412	1.0800	68.4
3	0.2351	2.3000	89.8	4	0.0916	0.4300	78.7
5	0.1190	1.1400	89.6	6	0.0391	0.3000	87.0
7	0.0671	0.7700	91.3	8	0.0217	0.2300	90.6
9	0.0445	0.4000	88.9	10	0.0139	0.1840	92.5
11	0.0314	0.3300	90.5	12	0.0096	0.1533	93.7
13	0.0238	0.2100	88.6	14	0.0072	0.1314	94.5
15	0.0182	0.1500	87.8	16	0.0054	0.1150	95.3
17	0.0152	0.1324	88.5	18	0.0045	0.1022	95.6
19	0.0137	0.1184	88.5	20	0.0037	0.0920	96.0
21	0.0133	0.1071	87.5	22	0.0031	0.0836	96.3
23	0.0139	0.0978	85.8	24	0.0026	0.0767	96.6
25	0.0128	0.0900	85.8	26	0.0022	0.0708	96.9
27	0.0096	0.0833	88.5	28	0.0020	0.0657	96.9
29	0.0116	0.0776	85.1	30	0.0018	0.0613	97.0
31	0.0120	0.0726	83.5	32	0.0016	0.0575	97.2
33	0.0095	0.0682	86.0	34	0.0014	0.0541	97.3
35	0.0106	0.0643	83.6	36	0.0013	0.0511	97.4
37	0.0095	0.0608	84.3	38	0.0012	0.0484	97.5
39	0.0095	0.0577	83.5	40	0.0012	0.0460	97.5



TASKalfa 406ci (Maximum)

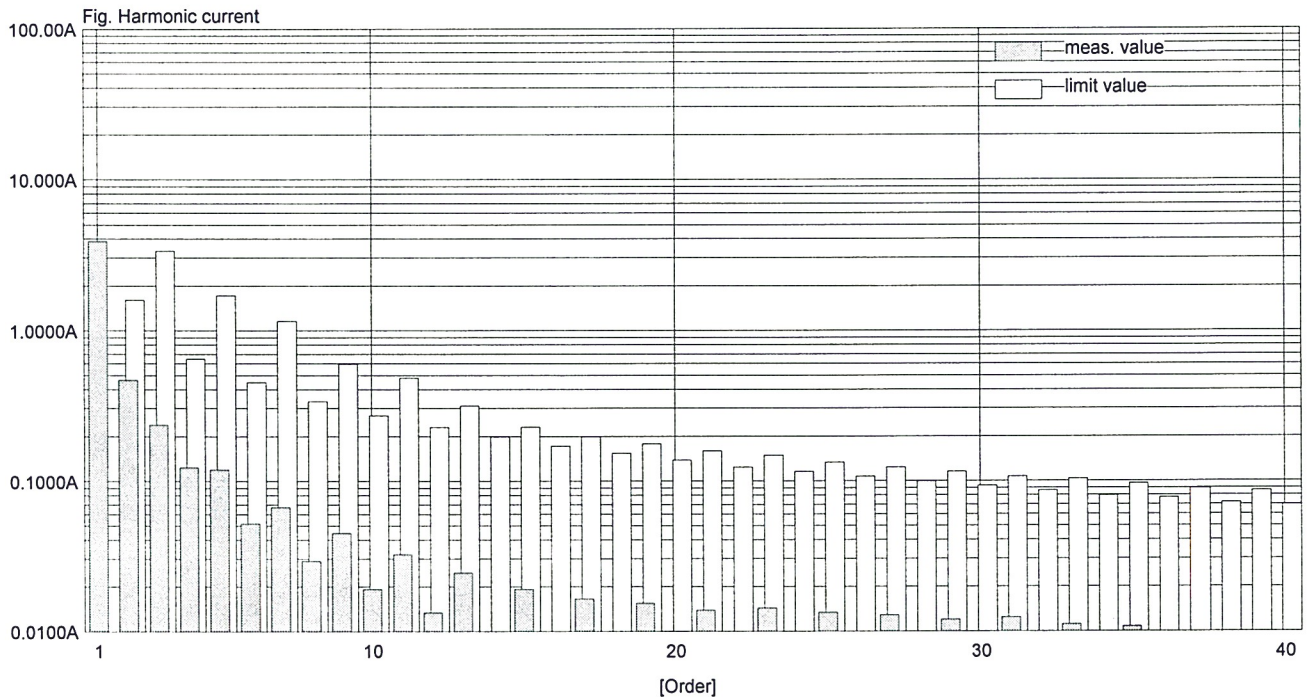
Print Date : Tue Jul 07 13:22:14 2015
 MeasureDate : Tue Jul 07 13:21:43 2015
 Comment : 1 Side Copy
 Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (11), IB-50

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) : 3.9370 A
 Voltage(rms) : 229.61 V
 Frequency : 50.007 Hz
 Power Factor : 0.9935
 Beyond Limit Time : 14.9999 s
 Beyond Total Time : 0.0000 s
 THC : 0.5691 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 897.3878 W
 Sigma PF : 0.9935
 Distortion factor(V) : 0.07 %
 V THDS : 0.07 %
 V THDG : 0.07 %
 Distortion factor(A) : 16.74 %
 A THDS : 17.94 %
 A THDG : 20.21 %
 P THD : 0.01 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.9227			2	0.4778	1.6200	70.5
3	0.2386	3.4500	93.1	4	0.1239	0.6450	80.8
5	0.1203	1.7100	93.0	6	0.0529	0.4500	88.2
7	0.0684	1.1550	94.1	8	0.0294	0.3450	91.5
9	0.0456	0.6000	92.4	10	0.0190	0.2760	93.1
11	0.0323	0.4950	93.5	12	0.0132	0.2300	94.3
13	0.0247	0.3150	92.2	14	0.0098	0.1971	95.0
15	0.0193	0.2250	91.4	16	0.0074	0.1725	95.7
17	0.0166	0.1985	91.6	18	0.0061	0.1533	96.0
19	0.0153	0.1776	91.4	20	0.0052	0.1380	96.3
21	0.0139	0.1607	91.3	22	0.0045	0.1255	96.4
23	0.0145	0.1467	90.1	24	0.0038	0.1150	96.7
25	0.0131	0.1350	90.3	26	0.0032	0.1062	97.0
27	0.0128	0.1250	89.8	28	0.0030	0.0986	97.0
29	0.0121	0.1164	89.6	30	0.0028	0.0920	97.0
31	0.0125	0.1089	88.5	32	0.0025	0.0862	97.1
33	0.0111	0.1023	89.2	34	0.0024	0.0812	97.1
35	0.0109	0.0964	88.7	36	0.0021	0.0767	97.3
37	0.0099	0.0912	89.2	38	0.0019	0.0726	97.3
39	0.0098	0.0865	88.7	40	0.0018	0.0690	97.3



EN61000-3-3/2008
(*EN 301 489-1 V1.9.2 <8.6>*)

Voltage Fluctuations/Flicker Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	TASKalfa 356ci / 406ci	Z795300015
Paper Feeder	PF-5120	Z7J5300158
	PF-5130	Z7K5300102
	PF-5140	Z7L5300058
Document Processor	DP-5100	Z7N5300057
	DP-5110	Z7P5300071
Finisher	DF-5100	Z7T5300071
	DF-5110	Z7Q5300058
	DF-5120	Z7R5300051
Punch Unit	PH-5120	Z7V5300045
Multi Tray	MT-5100	Z7U5300081
Job Separator	JS-5100	Z7H5300059
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Bridge	AK-5100	Z7G5300125
FAX Kit	FAX System 10	ZEF5300008
Hard Disk Drive	HD-11	ZEM5300021

Date : 7 July, 2015

Temperature : 24°C

Humidity : 54%

Atom. Pressure : 1018hPa

Testing Place : Kyocera Document Solutions CE Test Room

Power Input : AC230V, 50Hz

Tested by : Takayuki Matsuura

T. Matsuura

This test was applied as follows.

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

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

TASKalfa 406ci

Print Date : Mon Jul 06 12:50:38 2015
MeasureDate : Mon Jul 06 12:26:55 2015
Comment : Standby
Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (10), IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed2.0
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Set Voltage : 230V
Set Frequency : 50Hz
Voltage U1 : 229.69V
Frequency U1 : 50.001Hz
Element : 1
dmin : 0.20%

PASS(Under dmin)

Element1 : Pass(Under dmin)
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	0.11	2.61	0.00	0.47
2	0.00	0.00	0.00	0.50
3	0.00	0.00	0.00	0.49
4	0.00	0.00	0.00	0.49
5	0.00	0.00	0.00	0.41
6	0.00	0.00	0.00	0.07
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

Plt
0.35

TASKalfa 406ci

Print Date : Mon Jul 06 13:05:43 2015
MeasureDate : Mon Jul 06 13:04:39 2015
Comment : Duplex Copy
Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (10), IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed2.0
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Set Voltage : 230V
Set Frequency : 50Hz
Voltage U1 : 228.62V
Frequency U1 : 50.000Hz
Element : 1
dmin : 0.20%

PASS(no steady)
Element1 : Pass(no steady)
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	0.00	0.77	0.00	0.56
				Plt
				0.25

TASKalfa 406ci

Print Date : Mon Jul 06 13:17:51 2015
MeasureDate : Mon Jul 06 13:17:16 2015
Comment : 1 side Copy
Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (10), IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed2.0
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Set Voltage : 230V
Set Frequency : 50Hz
Voltage U1 : 228.50V
Frequency U1 : 50.002Hz
Element : 1
dmin : 0.20%

PASS(no steady)

Element1 : Pass(no steady)
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	0.00	0.70	0.00	0.52
				Plt
				0.23

TASKalfa 406ci

Print Date : Tue Jul 07 11:37:27 2015
MeasureDate : Tue Jul 07 11:34:06 2015
Comment : Print
Option : DP-5110, PF-5120, PF-5130, DF-5120, FAX System (10), IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed2.0
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Set Voltage : 230V
Set Frequency : 50Hz
Voltage U1 : 228.15V
Frequency U1 : 50.001Hz
Element : 1
dmin : 0.20%

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	0.55	1.78	0.00	0.58
				Plt
				0.25