

SECTION 2

Test Reports of Emission

(EN55032/2012, EN61000-3-2/2006+A1/2009+A2/2009, EN61000-3-3/2013)

EN55032/2012

(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 2552ci / 3252ci	Z2S5Y00008
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
	DP-7120	Z9H5Y00054
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
Fiery Controller	Printing System 15	P00011440
Fiery Controller Relay PWB	Printing System Interface Kit 15	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

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 Labotech International Co., Ltd.

See the attached documents for details.

EN55032/2012
(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 2552ci / 3252ci	Z2S5Y00008
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
	DP-7120	Z9H5Y00054
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
Fiery Controller	Printing System 15	P00011440
Fiery Controller Relay PWB	Printing System Interface Kit 15	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

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 Labotech International Co., Ltd.

See the attached documents for details.

Report number: FLI 10-15-113

Project number: FLI 04-15-0266

Test standard(s)/ Test specifications: EN 55032: 2012 Class B

Manufacturer: KYOCERA Document Solutions Inc.
2-28, 1-Chome, Tamatsukuri, Chuo-ku Osaka, 540-8585, Japan

Model: MFP

Type: TASKalfa 3252ci



Serial number: Z2S5Y00008

Power rating: 230 VAC / 50 Hz

Date of receipt of samples: 1 December 2015

Test period: From 22 December 2015 to 20 January 2016

Place of test: Labotech International Co., Ltd.
- LABOTECH EMC Center
1-16, Fukazu-cho, Nishinomiya-shi, Hyogo, 663-8203 Japan

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List of Measuring/Test Instruments

RF Radiated disturbance:

(*)	C/N	Instrument	Type	S/N	Manufacturer
X	HT744	Radiated emission measurement software	EP5/RE-AJ	Ver. 5.6.0	Toyo Corp.
X	HT745	EMI Test receiver (20 Hz - 40 GHz)	ESU40	110243	Rohde & Schwarz
X	HT754	Pre-amp. (9 kHz - 1 GHz, Gain 32 dB)	310N	304877	Sonoma
X	HT755	Pre-amp. (1 GHz - 8 GHz, Gain 40 dB)	TAP0108-40	1017	Toyo Corp.
X	HT788	Biconical antenna (30 MHz - 300 MHz)	BBA9106+ VHBB9124	9124-521	SCHWARZBECK
X	HT789	Log Periodic antenna (300 MHz - 1 GHz)	3148B	00123951	ETS LINDGREN
X	HT758	Broadband Horn antenna (1 GHz - 6 GHz)	BBHA9120B	522	Schwarzbeck
--	HT759	Double rigged horn antenna & amp. (6 GHz - 18 GHz)	HAP06-18W	00000065	Toyo Corp.
--	HT761	Double rigged horn antenna & amp. (18 GHz - 26 GHz)	HAP18-26N	00000017	Toyo Corp.
--	HT762	Double rigged horn antenna & amp. (26 GHz - 40 GHz)	HAP26-40N	00000010	Toyo Corp.
--	HT905	Magnetic Loop Antenna	HLA6120	34698	TESEQ
X	HT779	Semi-Anechoic chamber	10mAC	90984	TOKIN
X	HT780	Programmable AC/DC Power Supply	ES18000W	9128767-1+ 9128767-2	NF
--	HT781	Programmable DC Power Supply	PAN60-20A	QM003356	KIKUSUI
--	HT883	Test table	W1500-D1000-H800	No.01	JSE

(*): X – indicates instruments used for the tests, -- – not used.

Conducted disturbance at mains terminals and telecommunication ports:

(*)	C/N	Item	Type	S/N	Manufacturer
X	HT763	Conducted emission measurement software	EP5/CE-AJ	Ver. 5.4.30	Toyo Corp.
X	HT745	EMI Test receiver (20 Hz - 40 GHz)	ESU40	110243	Rohde & Schwarz
X	HT764	Artificial Mains Network (LISN) (for 3-phase)	NSLK8128	NSLK8128-279	Schwarzbeck
--	HT769	Artificial Mains Network (LISN) (for single phase)	KNW-242F	8-2107-1	Kyoritsu Corp.
X	HT770	Artificial Mains Network (LISN) (for single phase)	KNW-242F	8-2107-2	Kyoritsu Corp.
--	HT765	Pulse limiter (0 Hz - 30 MHz)	ESH3-Z2	101247	Rohde & Schwarz
X	HT766	Impedance Stabilizing Network (ISN)	ISN T8	29452	TESEQ
--	HT767	Impedance Stabilizing Network (ISN)	ISN T8Cat6	29668	TESEQ
X	HT768	Impedance Stabilizing Network (ISN)	ISN ST8	30190	TESEQ
--	HT771	Artificial Hand	K-9003	7-1726-3	Kyoritsu Corp.
--	HT772	Artificial Hand	K-9003	7-1726-5	Kyoritsu Corp.
--	HT773	High impedance probe	KNW-411	8-2112-1	Kyoritsu Corp.
X	HT779	Semi-Anechoic chamber	10mAC	90984	TOKIN
X	HT780	Programmable AC/DC Power Supply	ES18000W	9128767-1+ 9128767-2	NF
--	HT781	Programmable DC Power Supply	PAN60-20A	QM003356	KIKUSUI
X	NK014	LISN	NSLK8127	8127353	SCHWARZBECK

(*): X – indicates instruments used for the tests, -- – not used.

★TASKalfa 3252ci (EN55032 Class B)

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Equipment	Model	S/N	System			Manufacturer
			A	B	C	
MFP	TASKalfa 3252ci	Z2S5Y00008	●	●	●	Kyocera Document
Document Processor	DP-7110	Z9D5Y00087	●			Kyocera Document
	DP-7100	Z995Y00076		●		Kyocera Document
	DP-7120	Z9H5Y00054			●	Kyocera Document
Paper Feeder	PF-7100	Z435X00162	●	●		Kyocera Document
	PF-7110	Z465Y00075			●	Kyocera Document
Side Paper Feeder	PF-7120	Z495Y00048	●	●	●	Kyocera Document
Bridge	AK-7100	Z3W5Y00079	●	●		Kyocera Document
Document Finisher	DF-7110	Z3T5Y00064	●			Kyocera Document
	DF-7120	Z3Q5Y00039		●		Kyocera Document
	DF-7100	Z3M5Y00048			●	Kyocera Document
Multi Tray	MT-730	NB22302326	●			Kyocera Document
Booklet Folder	BF-730	N392Y06667	●			Kyocera Document
Punch Unit	PH-7	N373411213	●	●		Kyocera Document
	PH-7120	Z415Y00019			●	
FAX Kit	FAX System 12	Z9P5Y00007	●	●	●	Kyocera Document
		Z9P5Y00009	●			
Hard Disk Drive	HD-12	Z4D5Y00008	●	●	●	Kyocera Document
Printer NIC	IB-50	TEST-1		●		Kyocera Document
	IB-51	TEST-1			●	Kyocera Document
	IB-35	TEST-1	●	●	●	Kyocera Document
Ten Key Board	NK-7100	5Y22001	●	●	●	Kyocera Document
Fiery Controller	Printing System 15	P00011440	●	●	●	Kyocera Document
Fiery Controller Relay PWB	Printing System Interface Kit 15	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

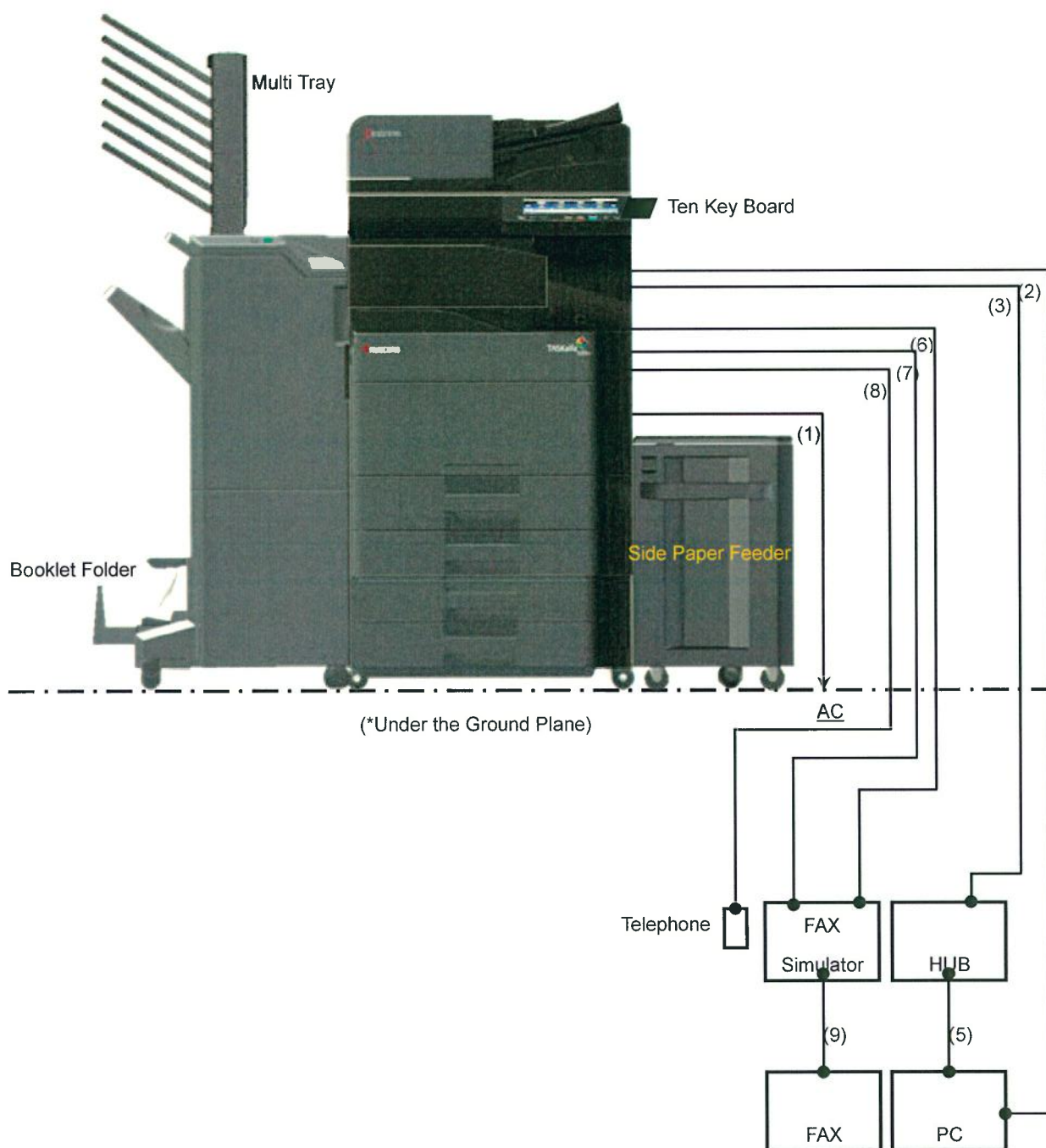
No.	Operation Mode	System	Rad.EMI		Con.EMI
			MHz	GHz	
①	Standby	A	○	○	○
②	Copy	A	○	○	○
③	USB Print + FAX TX	B	○	---	---
④	LAN Print (On Board)+ FAX RX	B	○	---	---
⑤	LAN Print (On Board) (Fiery Controller)	C	○	---	---
⑥	LAN Print (Option NIC) (Wireless)	C	---	○	---
⑦	LAN Print (On Board) (Fiery Controller) (Telecommunication Ports)	A	---	---	---
⑧	LAN Print (On Board) (Telecommunication Ports)	B	---	---	○
⑨	FAX TX (Main Port) (Telecommunication Ports)	A	---	---	○
⑩	FAX RX (Sub Port) (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 NIC) 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	3 m	---	---	Resinous

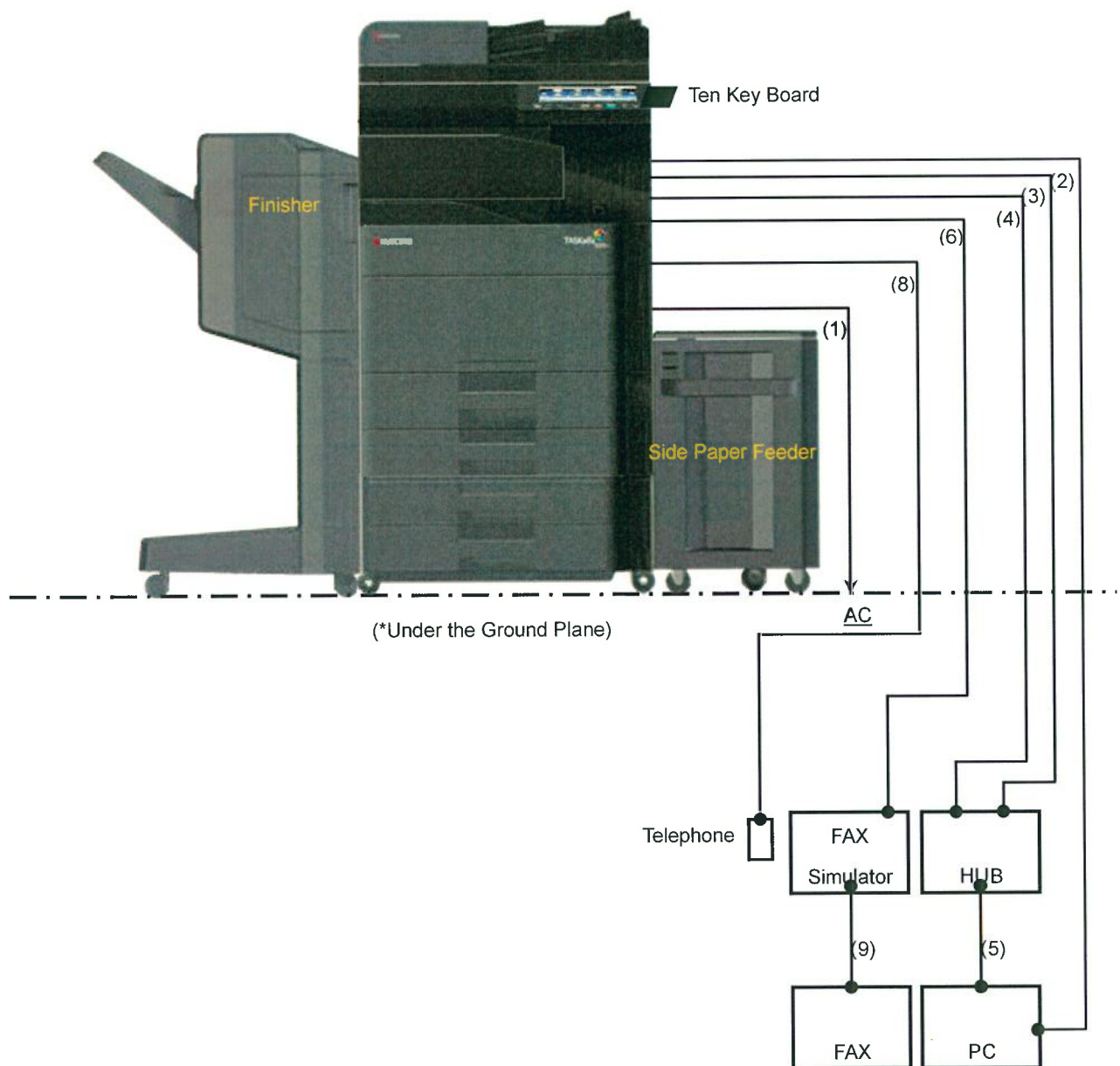
©Equipment Connection Figure

System A



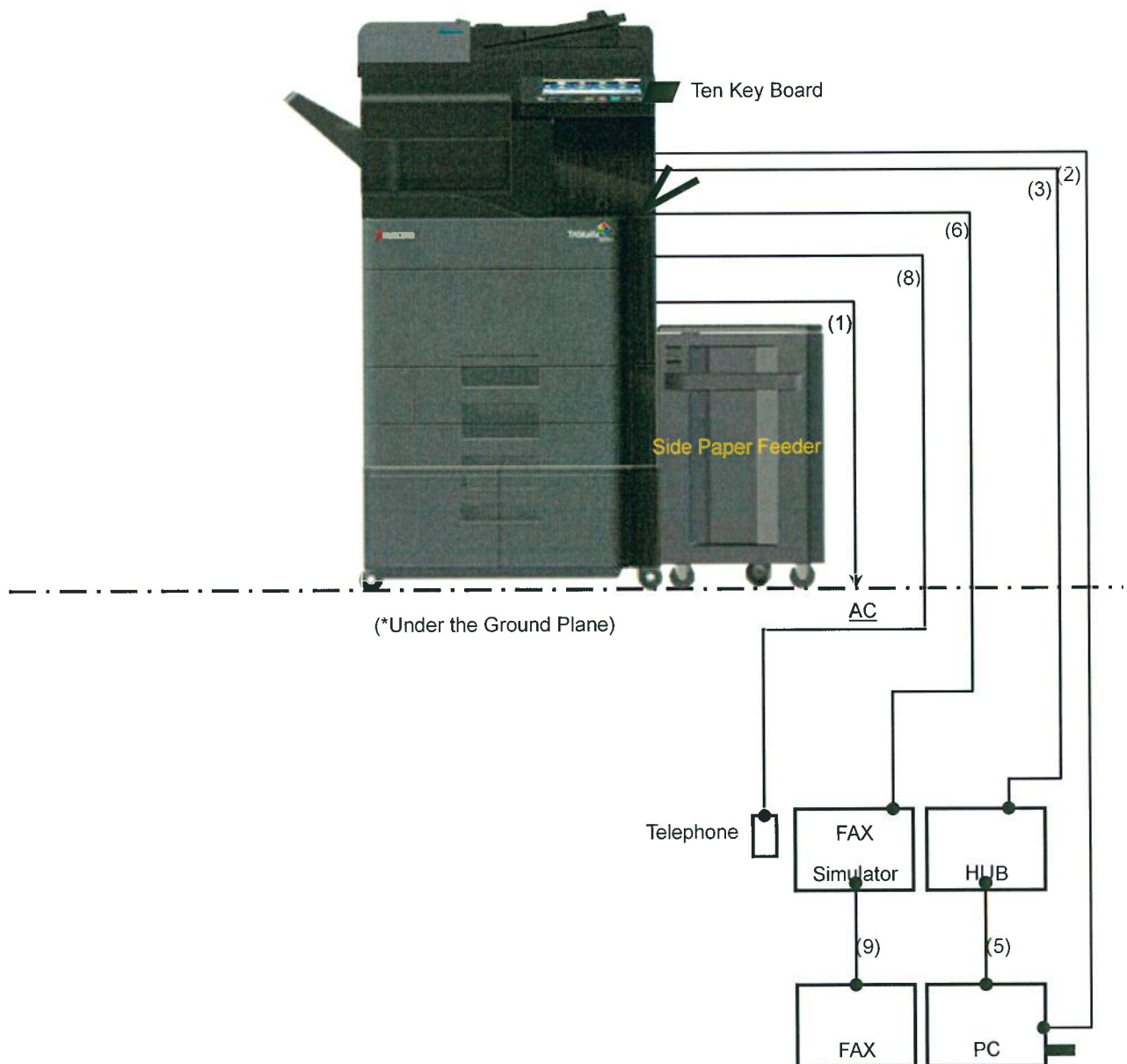
©Equipment Connection Figure

System B



©Equipment Connection Figure

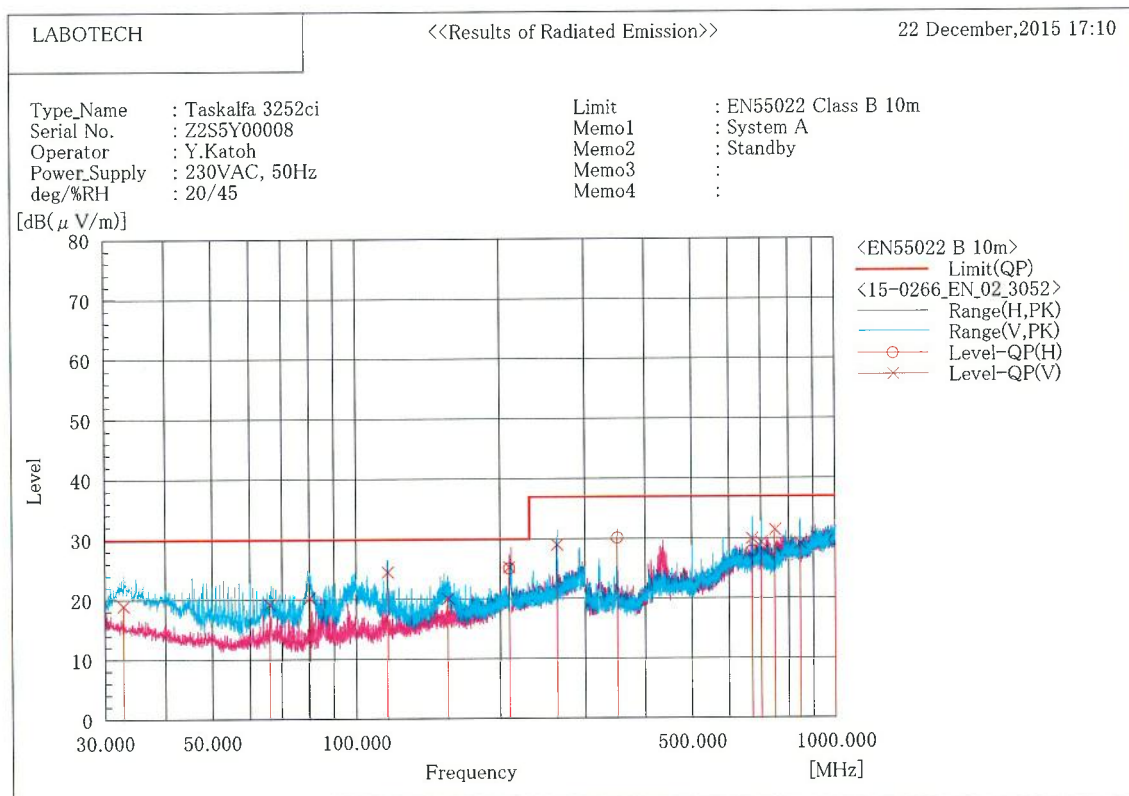
System C



Test Results

Radiated disturbance (30 – 1000 MHz)

System A, Standby

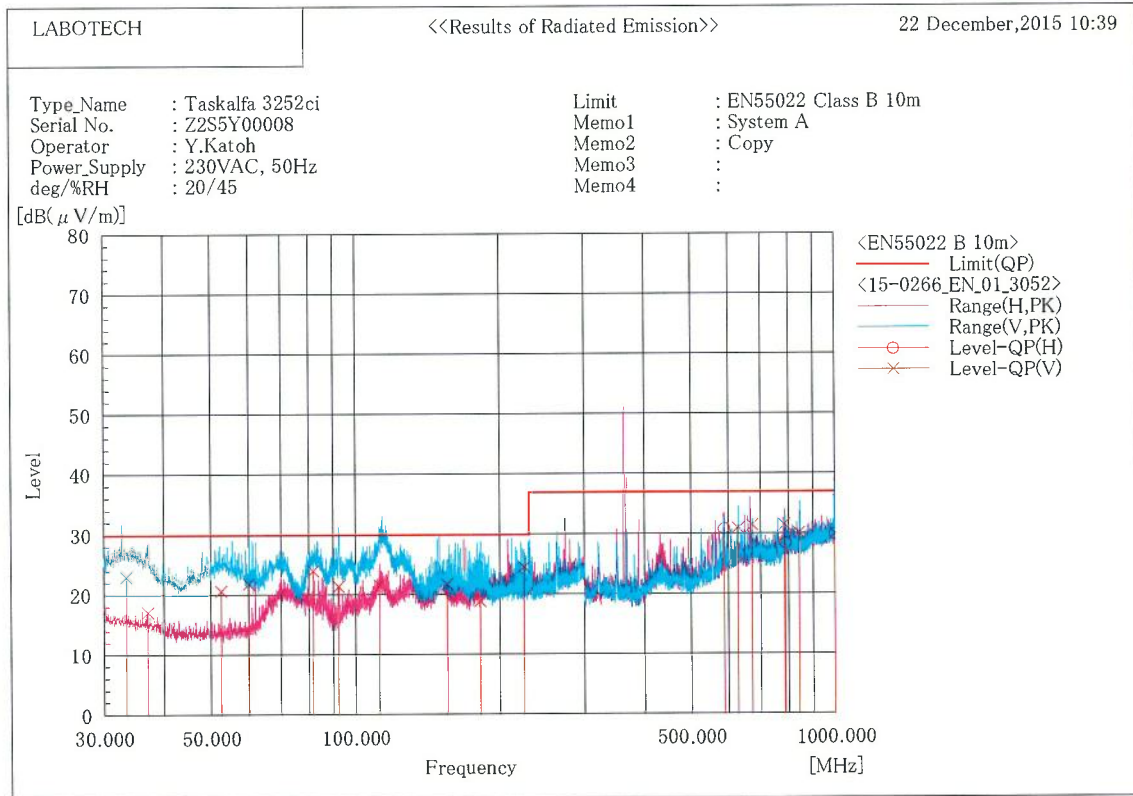


Final Result

No.	Frequency (P)	Reading	c. f	Result	Limit	Margin	Height	Angle
	[MHz]	QP [dB(μ V)]	[dB(1/m)]	QP [dB(μ V/m)]	QP [dB(μ V/m)]	QP [dB]	[cm]	[°]
1	32.777	V 31.29	-12.30	18.99	30.0	11.0	102.0	10.0
2	66.085	V 34.52	-15.26	19.26	30.0	10.7	101.0	255.0
3	80.154	V 35.48	-15.20	20.28	30.0	9.7	121.0	97.0
4	116.707	V 37.71	-13.12	24.59	30.0	5.4	101.0	76.0
5	155.680	V 31.50	-11.36	20.14	30.0	9.9	109.0	202.0
6	208.651	V 33.44	-8.09	25.35	30.0	4.6	100.0	148.0
7	208.651	H 33.23	-8.09	25.14	30.0	4.9	397.0	173.0
8	262.581	V 34.81	-5.75	29.06	37.0	7.9	100.0	195.0
9	349.958	H 39.71	-9.52	30.19	37.0	6.8	352.0	210.0
10	671.036	V 30.96	-0.92	30.04	37.0	7.0	137.0	112.0
11	671.036	H 28.81	-0.92	27.89	37.0	9.1	113.0	69.0
12	700.271	V 30.17	-0.78	29.39	37.0	7.6	181.0	180.0
13	748.497	V 32.63	-1.18	31.45	37.0	5.6	169.0	97.0
14	846.225	V 27.52	1.74	29.26	37.0	7.7	172.0	313.0
15	999.956	H 25.77	3.88	29.65	37.0	7.4	222.0	193.0

Radiated disturbance (30 – 1000 MHz)

System A, Copy

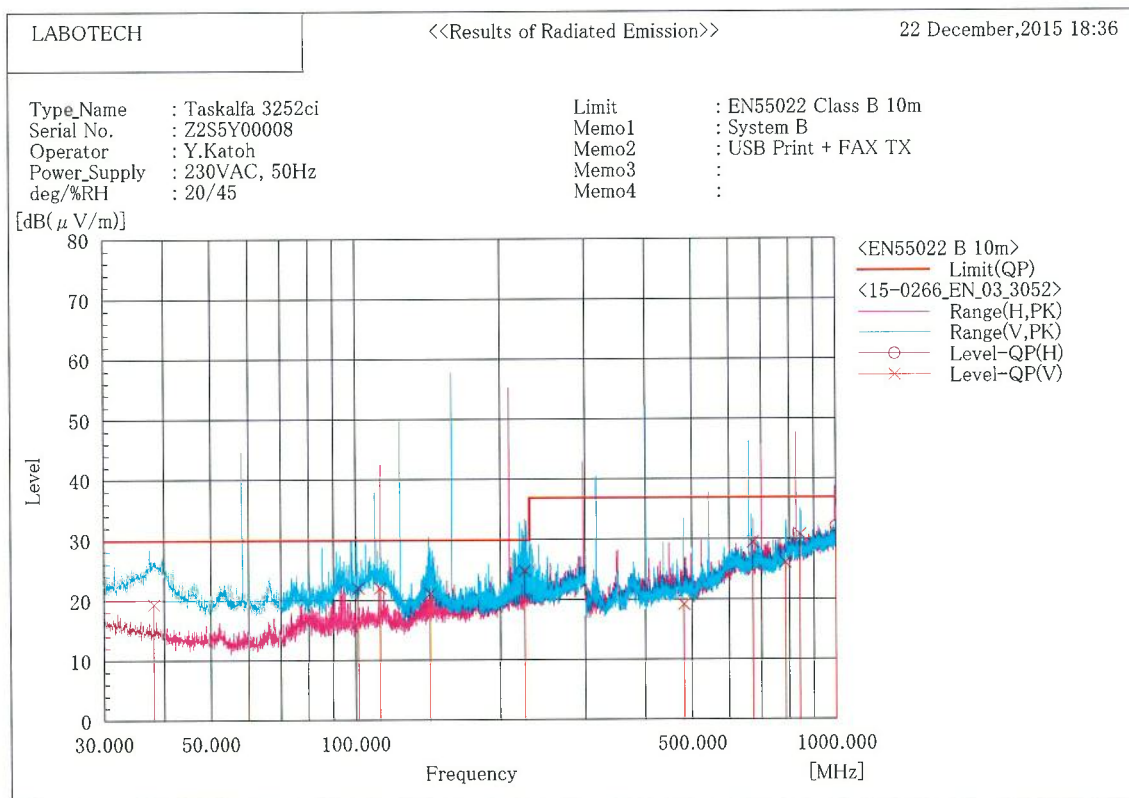


Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c. f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [°]
1	33.510	V	35.61	-12.46	23.15	30.0	6.8	100.0	205.0
2	37.097	V	30.40	-13.18	17.22	30.0	12.8	100.0	320.0
3	52.574	V	35.68	-14.96	20.72	30.0	9.3	254.0	251.0
4	60.047	V	37.09	-15.22	21.87	30.0	8.1	100.0	289.0
5	81.896	V	39.18	-15.18	24.00	30.0	6.0	103.0	91.0
6	92.589	V	36.20	-14.76	21.44	30.0	8.6	132.0	123.0
7	112.657	V	35.00	-13.41	21.59	30.0	8.4	100.0	73.0
8	155.677	V	33.14	-11.36	21.78	30.0	8.2	101.0	17.0
9	182.241	V	28.78	-9.80	18.98	30.0	11.0	100.0	353.0
10	224.400	V	32.11	-7.52	24.59	30.0	5.4	100.0	163.0
11	586.765	H	33.97	-3.03	30.94	37.0	6.1	110.0	5.0
12	627.954	V	32.75	-1.61	31.14	37.0	5.9	203.0	352.0
13	671.032	V	32.46	-0.92	31.54	37.0	5.5	167.0	163.0
14	784.131	V	30.70	0.92	31.62	37.0	5.4	171.0	135.0
15	787.807	H	27.35	1.12	28.47	37.0	8.5	273.0	135.0
16	842.254	V	28.48	1.71	30.19	37.0	6.8	116.0	1.0
17	999.956	H	26.04	3.88	29.92	37.0	7.1	141.0	158.0
18	999.956	V	26.20	3.88	30.08	37.0	6.9	121.0	122.0

Radiated disturbance (30 – 1000 MHz)

System B, USB Print + FAX TX

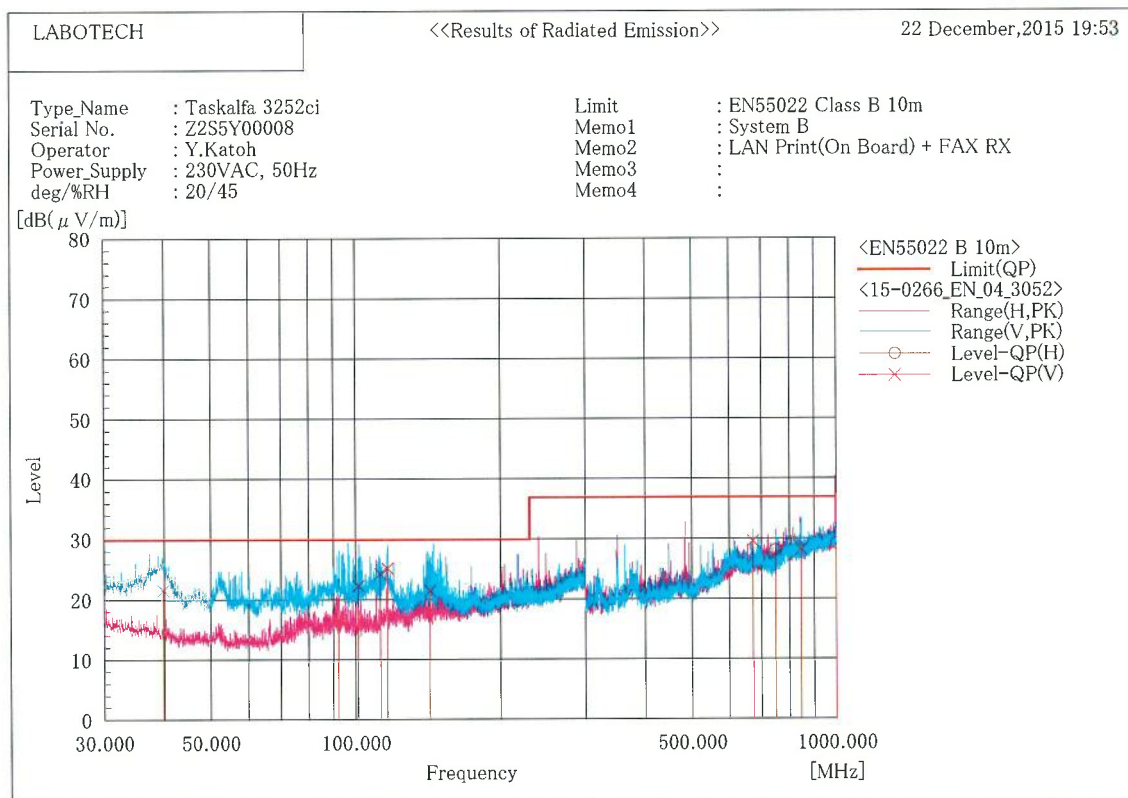


Final Result

No.	Frequency (P)	Reading QP	c. f	Result QP	Limit QP	Margin QP	Height	Angle
	[MHz]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[cm]	[°]
1	38.113	V 32.83	-13.40	19.43	30.0	10.6	250.0	358.0
2	101.441	V 36.30	-14.22	22.08	30.0	7.9	100.0	186.0
3	112.715	V 35.47	-13.40	22.07	30.0	7.9	100.0	111.0
4	142.930	V 32.98	-11.79	21.19	30.0	8.8	104.0	180.0
5	224.709	V 32.40	-7.51	24.89	30.0	5.1	128.0	178.0
6	480.909	V 24.90	-5.64	19.26	37.0	17.7	100.0	130.0
7	671.030	V 30.49	-0.92	29.57	37.0	7.4	138.0	278.0
8	785.780	V 25.20	1.01	26.21	37.0	10.8	222.0	119.0
9	842.255	V 29.23	1.71	30.94	37.0	6.1	148.0	32.0
10	999.996	H 28.27	3.88	32.15	37.0	4.8	100.0	135.0

Radiated disturbance (30 – 1000 MHz)

System B, LAN Print (On Board) + FAX RX

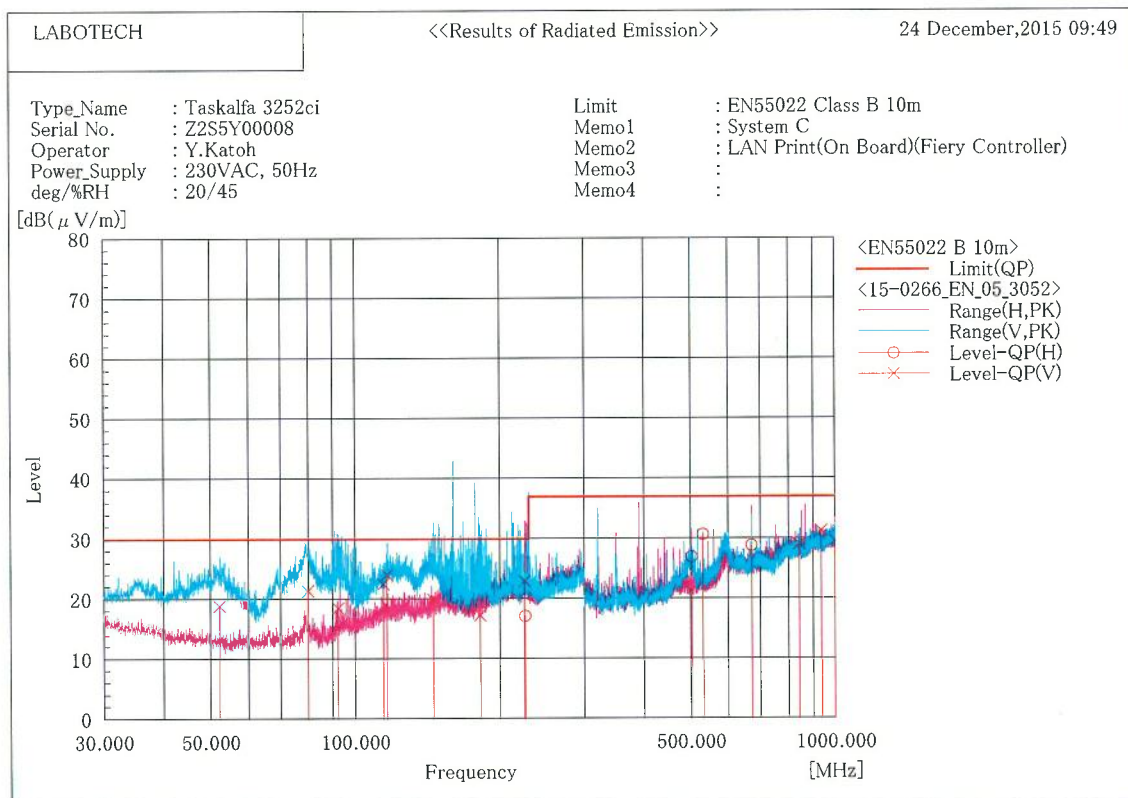


Final Result

No.	Frequency (P)	Reading	c. f	Result	Limit	Margin	Height	Angle
	[MHz]	QP		QP	QP	QP		
		[dB(μ V)]	[dB(1/m)]	[dB(μ V/m)]	[dB(μ V/m)]	[dB]	[cm]	[°]
1	39.797	V 35.35	-13.64	21.71	30.0	8.3	400.0	223.0
2	92.409	V 31.40	-14.76	16.64	30.0	13.4	100.0	108.0
3	101.430	V 36.55	-14.23	22.32	30.0	7.7	124.0	162.0
4	112.670	V 37.78	-13.41	24.37	30.0	5.6	100.0	117.0
5	116.666	V 38.40	-13.12	25.28	30.0	4.7	100.0	92.0
6	142.893	V 33.30	-11.79	21.51	30.0	8.5	100.0	297.0
7	671.030	V 30.61	-0.92	29.69	37.0	7.3	243.0	221.0
8	748.506	H 29.40	-1.18	28.22	37.0	8.8	104.0	134.0
9	846.221	V 26.56	1.74	28.30	37.0	8.7	140.0	84.0
10	999.970	H 25.40	3.88	29.28	37.0	7.7	100.0	173.0

Radiated disturbance (30 – 1000 MHz)

System C, LAN Print (On Board) (Fiery Controller)

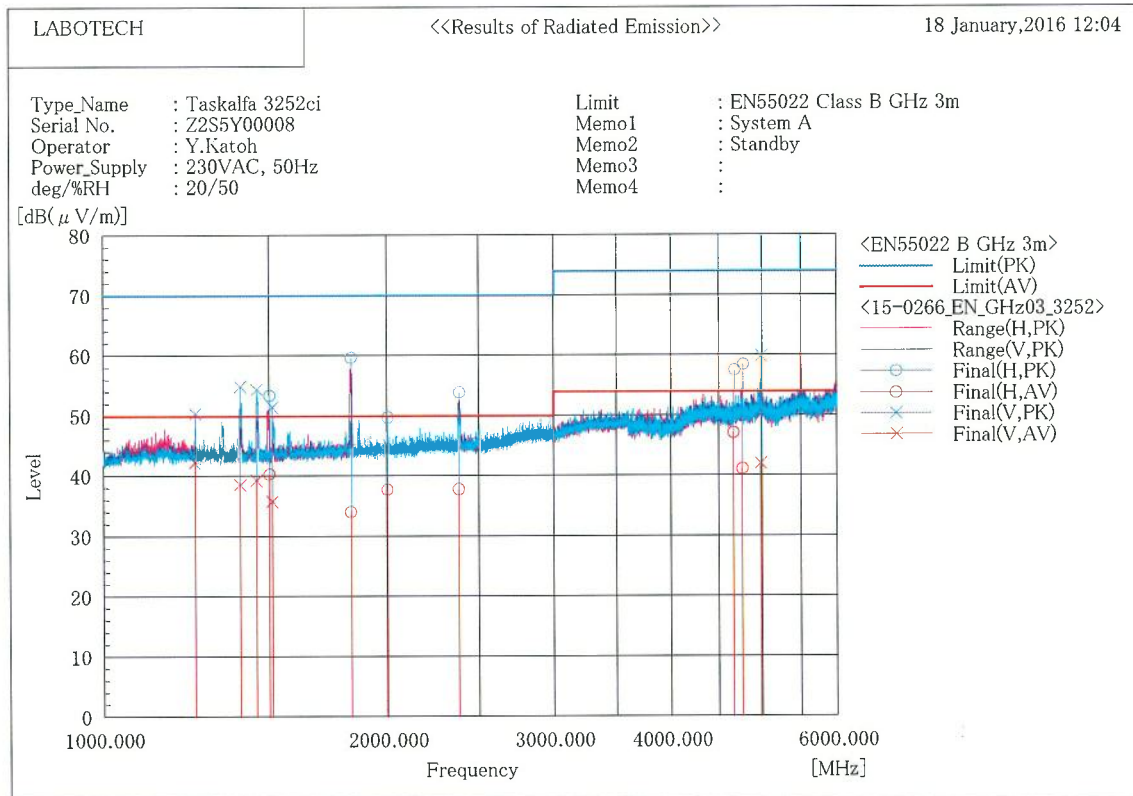


Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μ V)]	c. f [dB(1/m)]	Result QP [dB(μ V/m)]	Limit QP [dB(μ V/m)]	Margin QP [dB]	Height [cm]	Angle [°]
1	52.294	V	33.83	-14.95	18.88	30.0	11.1	213.0	171.0
2	79.931	V	36.64	-15.20	21.44	30.0	8.6	159.0	3.0
3	92.334	V	33.26	-14.77	18.49	30.0	11.5	100.0	172.0
4	114.692	V	35.78	-13.26	22.52	30.0	7.5	103.0	98.0
5	116.685	V	37.19	-13.12	24.07	30.0	5.9	105.0	54.0
6	145.711	V	31.61	-11.68	19.93	30.0	10.1	132.0	331.0
7	182.111	V	27.15	-9.81	17.34	30.0	12.7	106.0	186.0
8	225.228	V	30.50	-7.49	23.01	30.0	7.0	104.0	186.0
9	225.827	H	24.66	-7.47	17.19	30.0	12.8	384.0	1.0
10	503.221	H	33.10	-6.13	26.97	37.0	10.0	318.0	155.0
11	531.200	H	35.50	-4.78	30.72	37.0	6.3	117.0	255.0
12	671.000	H	29.80	-0.92	28.88	37.0	8.1	104.0	138.0
13	842.252	V	27.43	1.71	29.14	37.0	7.9	175.0	270.0
14	936.625	V	28.20	3.16	31.36	37.0	5.6	242.0	203.0
15	999.965	V	25.78	3.88	29.66	37.0	7.3	158.0	120.0

Radiated disturbance (1000 – 6000 MHz)

System A, Standby

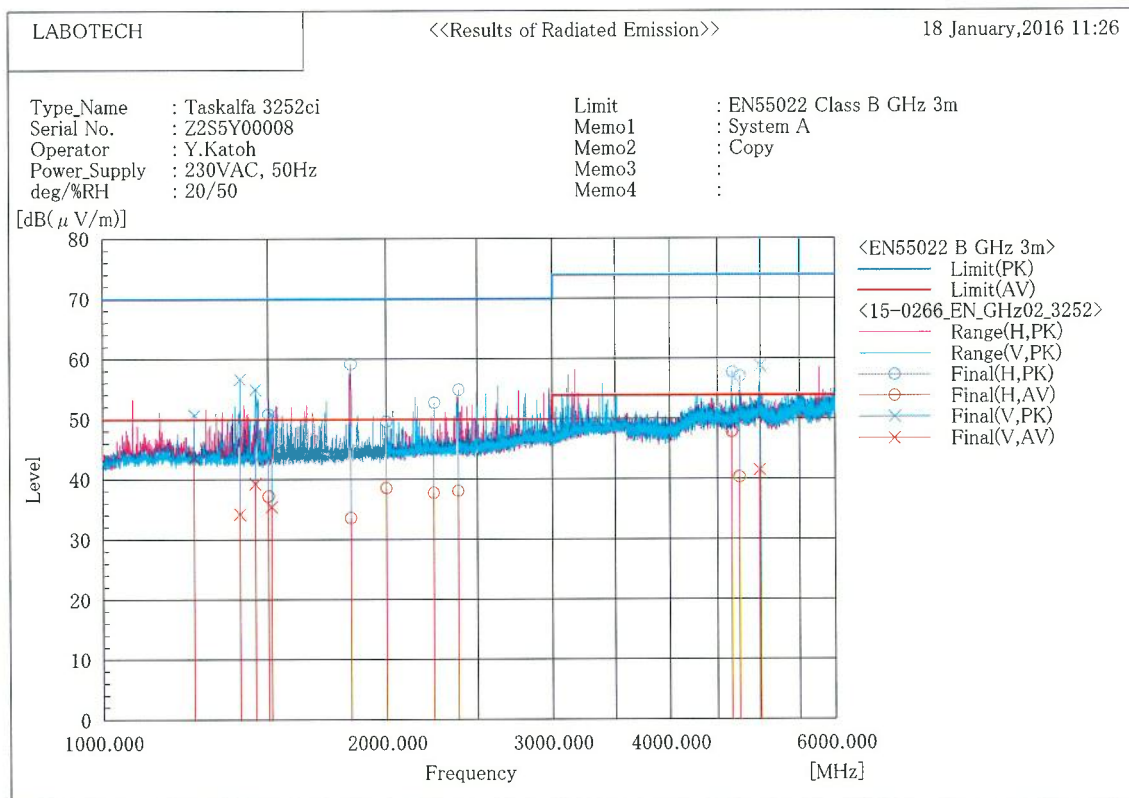


Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	1250.054	V	51.15	43.09	-0.69	50.46	42.40	70.0	50.0	19.5	7.6	100.0	165.0
2	1396.337	V	55.28	39.16	-0.43	54.85	38.73	70.0	50.0	15.2	11.3	100.0	84.0
3	1453.786	V	54.69	39.62	-0.23	54.46	39.39	70.0	50.0	15.5	10.6	100.0	72.0
4	1499.918	H	53.50	40.51	-0.06	53.44	40.45	70.0	50.0	16.6	9.6	100.0	136.0
5	1510.531	V	51.51	35.92	0.00	51.51	35.92	70.0	50.0	18.5	14.1	100.0	69.0
6	1830.131	H	58.65	33.19	1.02	59.67	34.21	70.0	50.0	10.3	15.8	100.0	166.0
7	2000.360	H	48.44	36.52	1.36	49.80	37.88	70.0	50.0	20.2	12.1	100.0	194.0
8	2379.617	H	52.13	36.13	1.81	53.94	37.94	70.0	50.0	16.1	12.1	100.0	177.0
9	4667.503	H	45.66	35.30	11.87	57.53	47.17	74.0	54.0	16.5	6.8	100.0	71.0
10	4766.773	H	46.35	29.11	12.10	58.45	41.21	74.0	54.0	15.5	12.8	100.0	210.0
11	4984.715	V	47.00	29.19	12.90	59.90	42.09	74.0	54.0	14.1	11.9	100.0	178.0

Radiated disturbance (1000 – 6000 MHz)

System A, Copy

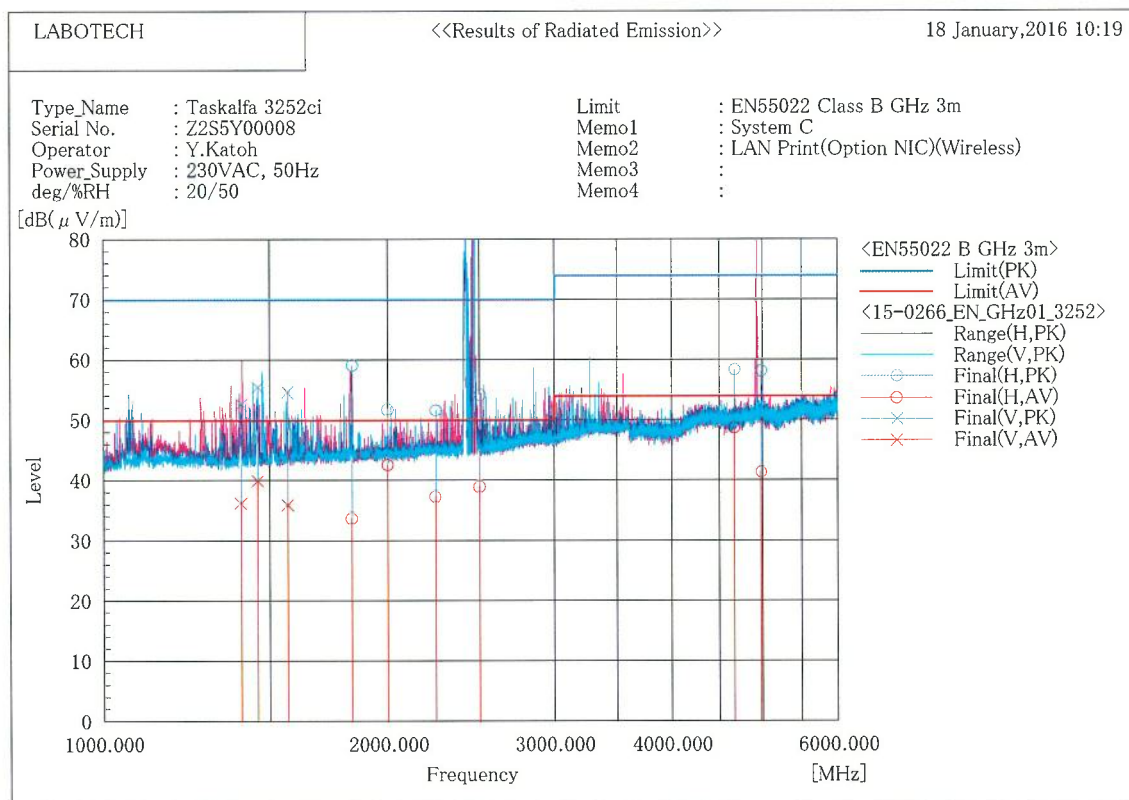


Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c, f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	1250.020	V	51.47	44.35	-0.69	50.78	43.66	70.0	50.0	19.2	6.3	100.0	166.0
2	1399.143	V	57.12	34.80	-0.42	56.70	34.38	70.0	50.0	13.3	15.6	100.0	191.0
3	1452.890	V	55.27	39.63	-0.23	55.04	39.40	70.0	50.0	15.0	10.6	100.0	74.0
4	1500.010	H	50.96	37.40	-0.06	50.90	37.34	70.0	50.0	19.1	12.7	100.0	247.0
5	1510.599	V	50.97	35.53	0.00	50.97	35.53	70.0	50.0	19.0	14.5	100.0	101.0
6	1832.840	H	58.20	32.75	1.03	59.23	33.78	70.0	50.0	10.8	16.2	100.0	165.0
7	2000.000	H	48.27	37.31	1.36	49.63	38.67	70.0	50.0	20.4	11.3	100.0	241.0
8	2245.634	H	50.94	35.93	1.96	52.90	37.89	70.0	50.0	17.1	12.1	100.0	86.0
9	2384.447	H	53.19	36.38	1.81	55.00	38.19	70.0	50.0	15.0	11.8	100.0	177.0
10	4667.207	H	45.91	36.04	11.87	57.78	47.91	74.0	54.0	16.2	6.1	100.0	71.0
11	4755.000	H	45.04	28.36	12.09	57.13	40.45	74.0	54.0	16.9	13.5	100.0	213.0
12	4996.050	V	45.87	28.67	12.94	58.81	41.61	74.0	54.0	15.2	12.4	100.0	178.0

Radiated disturbance (1000 – 6000 MHz)

System C, LAN Print (Option NIC) (Wireless)

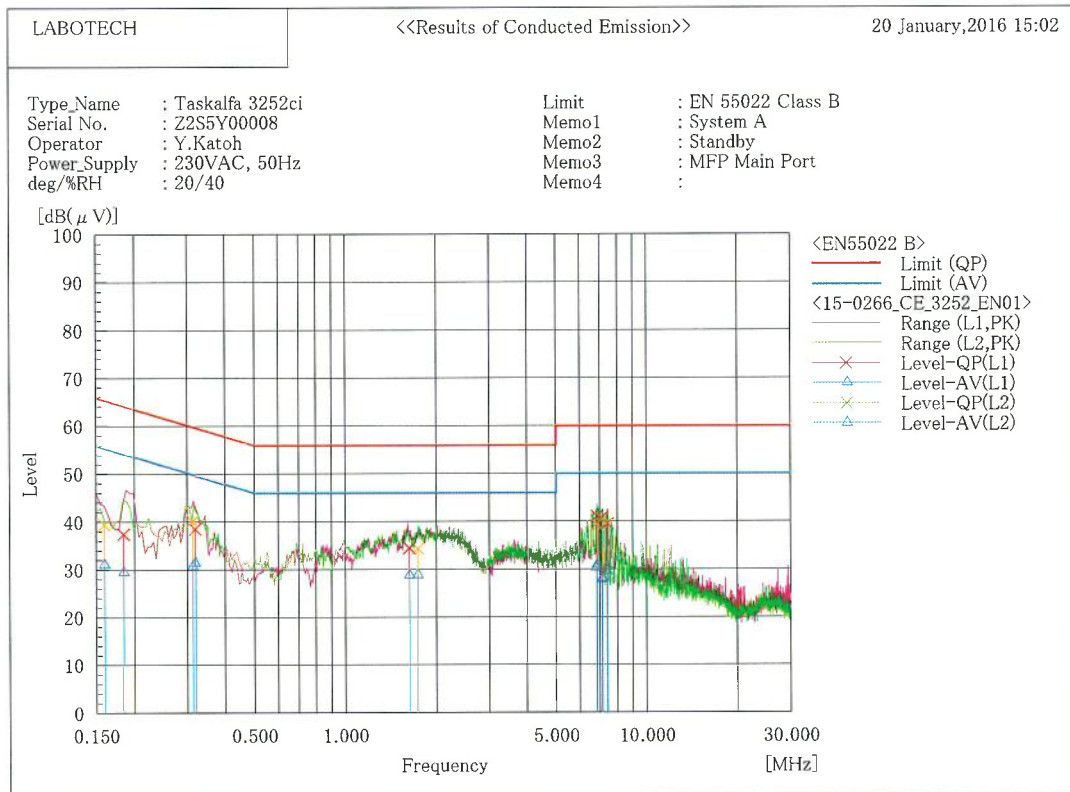


Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μ V)]	Reading AV [dB(μ V)]	c. f [dB(1/m)]	Result PK [dB(μ V/m)]	Result AV [dB(μ V/m)]	Limit PK [dB(μ V/m)]	Limit AV [dB(μ V/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	1400.536	V	53.14	36.84	-0.42	52.72	36.42	70.0	50.0	17.3	13.6	100.0	327.0
2	1456.460	V	55.75	40.27	-0.22	55.53	40.05	70.0	50.0	14.5	10.0	100.0	323.0
3	1568.242	V	54.29	35.60	0.42	54.71	36.02	70.0	50.0	15.3	14.0	100.0	277.0
4	1831.877	H	58.14	32.88	1.02	59.16	33.90	70.0	50.0	10.8	16.1	100.0	169.0
5	2000.157	H	50.57	41.29	1.36	51.93	42.65	70.0	50.0	18.1	7.3	100.0	218.0
6	2245.592	H	49.70	35.50	1.96	51.66	37.46	70.0	50.0	18.3	12.5	100.0	251.0
7	2500.000	H	52.38	37.24	1.86	54.24	39.10	70.0	50.0	15.8	10.9	100.0	75.0
8	4667.128	H	46.64	36.93	11.87	58.51	48.80	74.0	54.0	15.5	5.2	100.0	99.0
9	4977.885	H	45.28	28.62	12.88	58.16	41.50	74.0	54.0	15.8	12.5	100.0	166.0

Conducted disturbance

System A, Standby, MFP Main Port



Final Result

--- L1 Phase ---

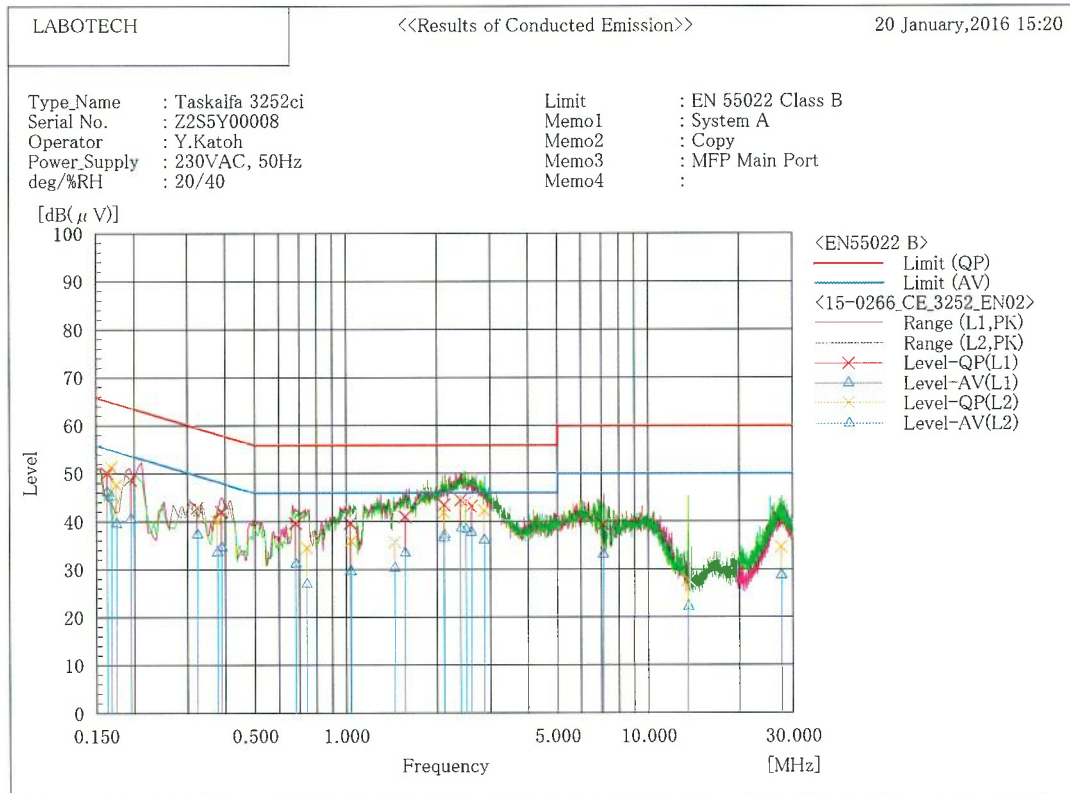
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.18492	27.4	19.5	10.1	37.5	29.6	64.3	54.3	26.8	24.7
2	0.31922	28.4	21.4	10.1	38.5	31.5	59.7	49.7	21.2	18.2
3	1.62712	24.2	18.5	10.3	34.5	28.8	56.0	46.0	21.5	17.2
4	6.8469	30.4	20.3	10.7	41.1	31.0	60.0	50.0	18.9	19.0
5	7.1007	29.9	17.1	10.8	40.7	27.9	60.0	50.0	19.3	22.1
6	7.4165	28.9	19.7	10.8	39.7	30.5	60.0	50.0	20.3	19.5

--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1597	29.4	21.0	10.1	39.5	31.1	65.5	55.5	26.0	24.4
2	0.31248	30.1	20.6	10.1	40.2	30.7	59.9	49.9	19.7	19.2
3	1.73328	24.1	18.6	10.3	34.4	28.9	56.0	46.0	21.6	17.1
4	6.8144	28.6	19.5	10.8	39.4	30.3	60.0	50.0	20.6	19.7
5	7.1412	29.7	17.3	10.8	40.5	28.1	60.0	50.0	19.5	21.9
6	7.3706	28.9	18.8	10.8	39.7	29.6	60.0	50.0	20.3	20.4

Conducted disturbances

System A, Copy, MFP Main Port



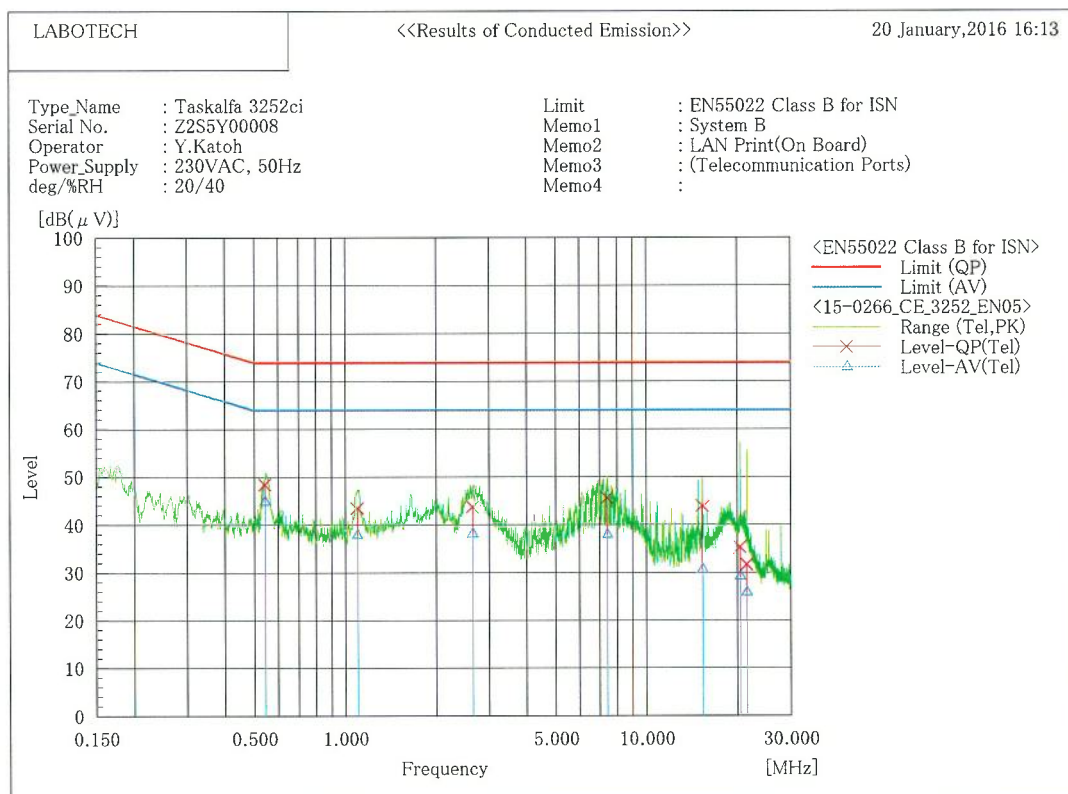
Final Result

--- L1 Phase ---										
No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.16295	40.1	36.2	10.1	50.2	46.3	65.3	55.3	15.1	9.0
2	0.19481	38.7	30.5	10.1	48.8	40.6	63.8	53.8	15.0	13.2
3	0.32382	32.9	27.3	10.1	43.0	37.4	59.6	49.6	16.6	12.2
4	0.38872	32.1	24.6	10.1	42.2	34.7	58.1	48.1	15.9	13.4
5	0.68146	29.5	21.1	10.2	39.7	31.3	56.0	46.0	16.3	14.7
6	1.03129	29.5	19.4	10.2	39.7	29.6	56.0	46.0	16.3	16.4
7	1.56203	30.8	23.2	10.3	41.1	33.5	56.0	46.0	14.9	12.5
8	2.11115	33.3	27.0	10.3	43.6	37.3	56.0	46.0	12.4	8.7
9	2.39162	34.2	28.3	10.4	44.6	38.7	56.0	46.0	11.4	7.3
10	2.5911	33.0	27.4	10.4	43.4	37.8	56.0	46.0	12.6	8.2
11	7.0954	28.7	22.4	10.8	39.5	33.2	60.0	50.0	20.5	16.8

--- L2 Phase ---										
No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.16836	41.4	35.2	10.1	51.5	45.3	65.0	55.0	13.5	9.7
2	0.17537	37.6	29.6	10.1	47.7	39.7	64.7	54.7	17.0	15.0
3	0.37659	30.1	23.6	10.1	40.2	33.7	58.4	48.4	18.2	14.7
4	0.7416	24.4	16.8	10.2	34.6	27.0	56.0	46.0	21.4	19.0
5	1.03794	25.8	19.5	10.2	36.0	29.7	56.0	46.0	20.0	16.3
6	1.44514	25.5	20.1	10.3	35.8	30.4	56.0	46.0	20.2	15.6
7	2.1046	31.6	26.1	10.4	42.0	36.5	56.0	46.0	14.0	9.5
8	2.4942	33.8	28.0	10.4	44.2	38.4	56.0	46.0	11.8	7.6
9	2.86246	32.0	25.8	10.4	42.4	36.2	56.0	46.0	13.6	9.8
10	13.5325	16.6	11.2	11.2	27.8	22.4	60.0	50.0	32.2	27.6
11	27.50025	22.8	16.8	11.9	34.7	28.7	60.0	50.0	25.3	21.3

Conducted disturbance

System B, LAN Print (On Board) (Telecommunication Ports)

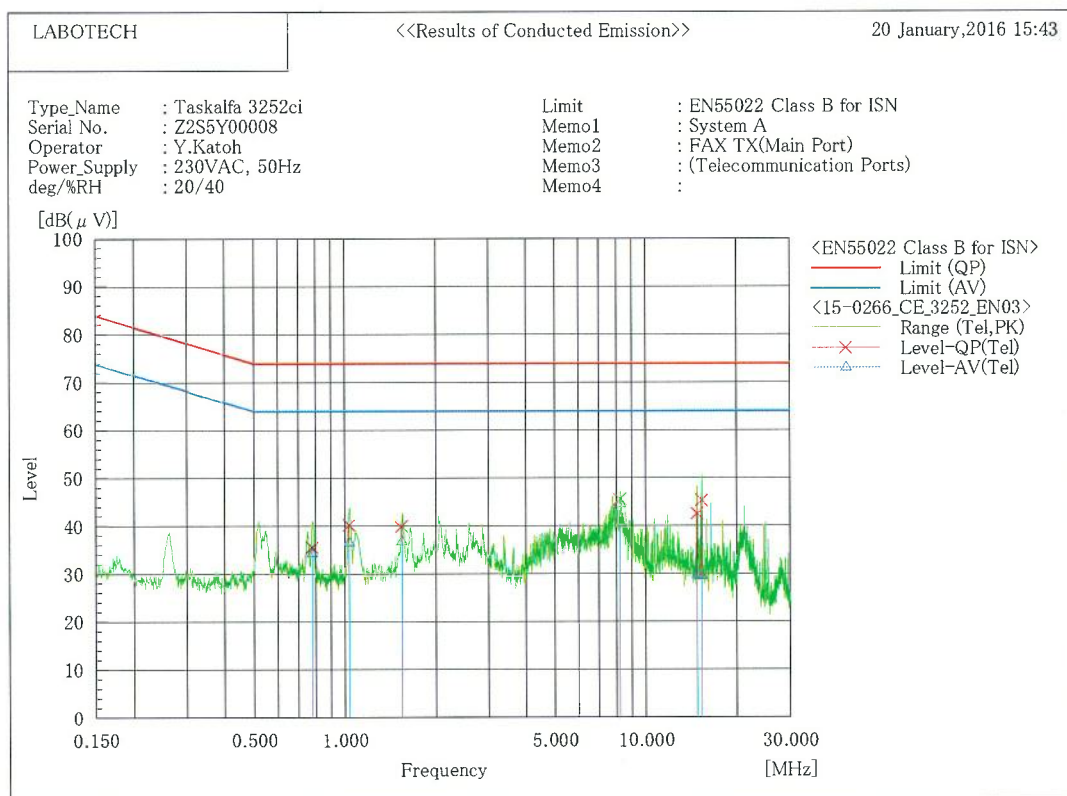


Final Result

--- Tel Phase ---										
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.54154	38.7	35.1	9.8	48.5	44.9	74.0	64.0	25.5	19.1
2	1.09732	33.7	28.1	9.9	43.6	38.0	74.0	64.0	30.4	26.0
3	2.644	33.9	28.1	10.0	43.9	38.1	74.0	64.0	30.1	25.9
4	7.4147	35.5	27.8	10.2	45.7	38.0	74.0	64.0	28.3	26.0
5	15.3162	33.5	20.1	10.5	44.0	30.6	74.0	64.0	30.0	33.4
6	20.3898	24.7	18.5	10.7	35.4	29.2	74.0	64.0	38.6	34.8
7	21.454	21.1	15.2	10.7	31.8	25.9	74.0	64.0	42.2	38.1

Conducted disturbance

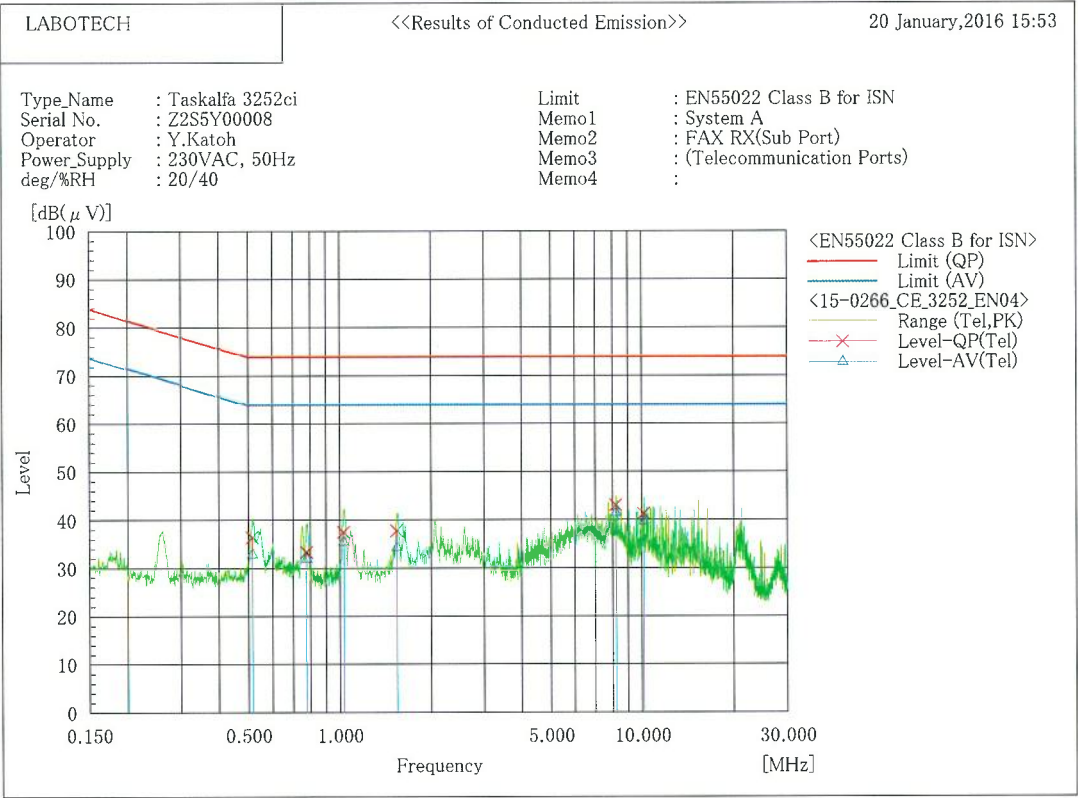
System A, FAX TX (Main Port) (Telecommunication Ports)



Final Result

--- Tel Phase ---										
No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.77825	26.1	24.7	9.6	35.7	34.3	74.0	64.0	38.3	29.7
2	1.031	30.7	27.0	9.6	40.3	36.6	74.0	64.0	33.7	27.4
3	1.53948	30.3	27.1	9.7	40.0	36.8	74.0	64.0	34.0	27.2
4	8.1917	35.6	34.5	10.0	45.6	44.5	74.0	64.0	28.4	19.5
5	14.7923	32.3	19.3	10.4	42.7	29.7	74.0	64.0	31.3	34.3
6	15.3154	35.0	19.1	10.4	45.4	29.5	74.0	64.0	28.6	34.5

Conducted disturbance
System A, FAX RX (Sub Port) (Telecommunication Ports)



Final Result

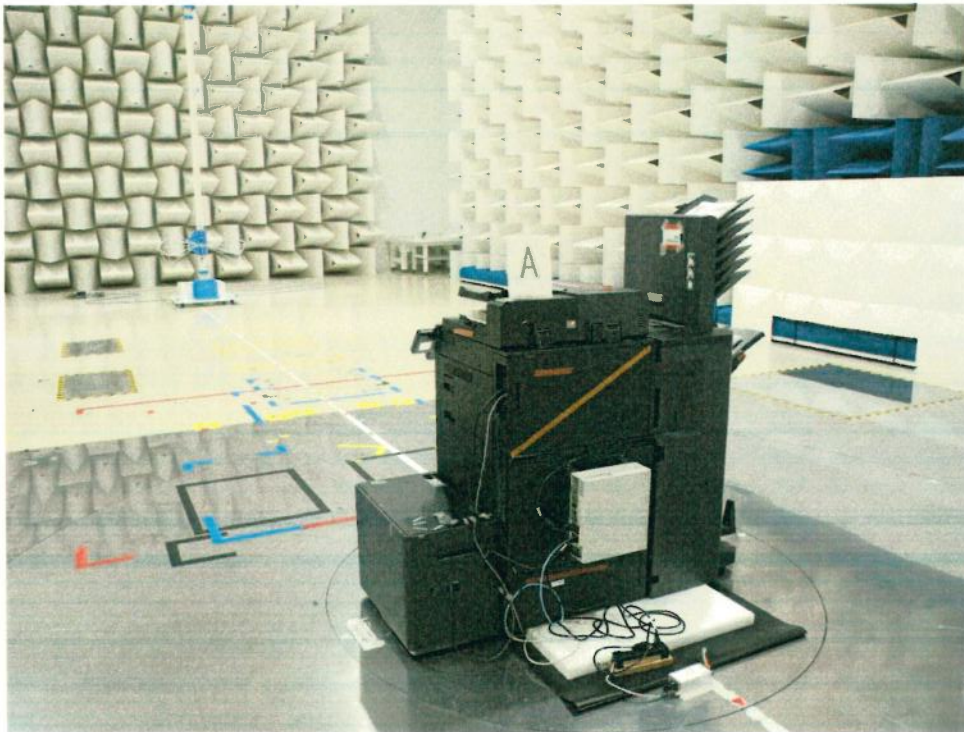
--- Tel Phase ---

No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.51558	26.9	23.3	9.6	36.5	32.9	74.0	64.0	37.5	31.1
2	0.77688	23.9	22.4	9.6	33.5	32.0	74.0	64.0	40.5	32.0
3	1.02824	28.0	25.9	9.6	37.6	35.5	74.0	64.0	36.4	28.5
4	1.53952	28.2	24.6	9.7	37.9	34.3	74.0	64.0	36.1	29.7
5	8.19235	33.2	31.5	10.0	43.2	41.5	74.0	64.0	30.8	22.5
6	10.154	31.4	29.7	10.1	41.5	39.8	74.0	64.0	32.5	24.2

Photographs of Test Setup/Arrangement

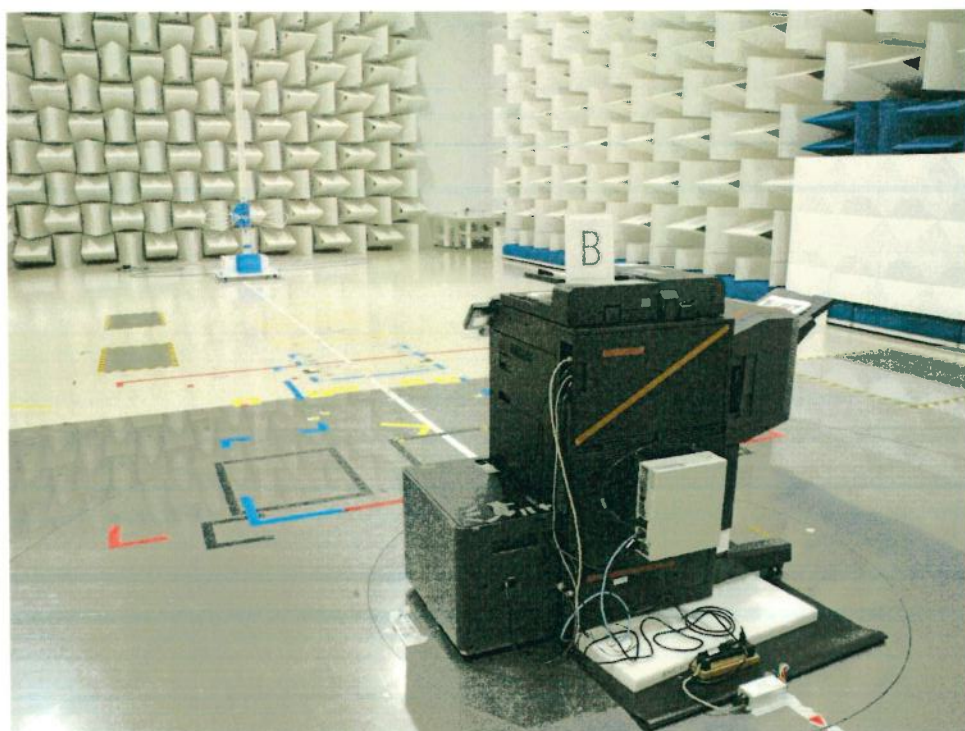
Radiated disturbance

System A



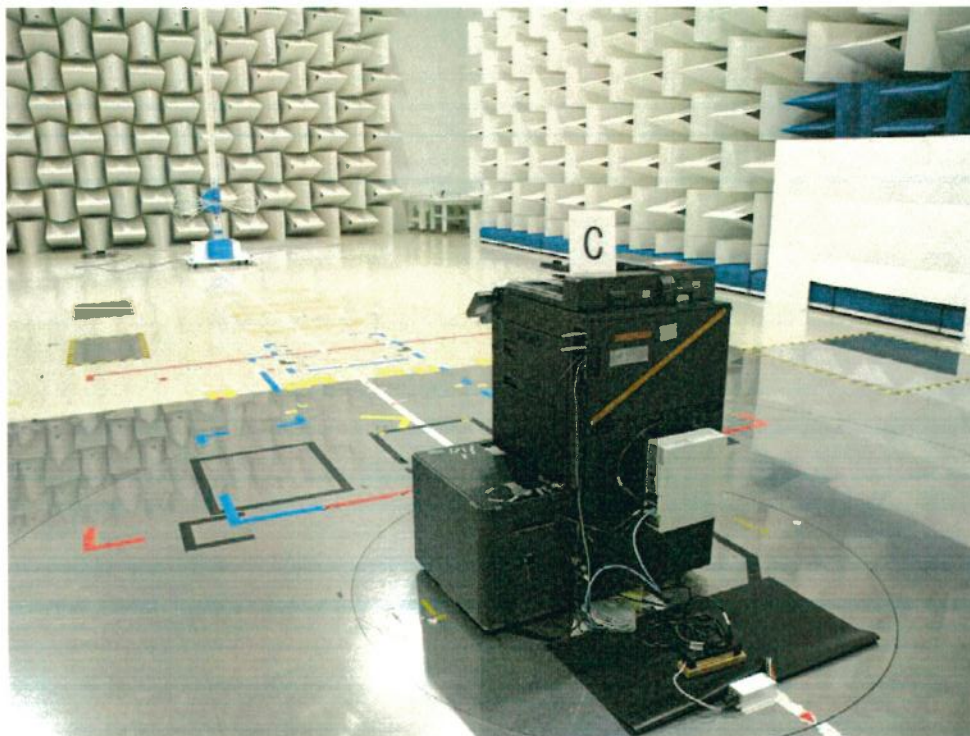
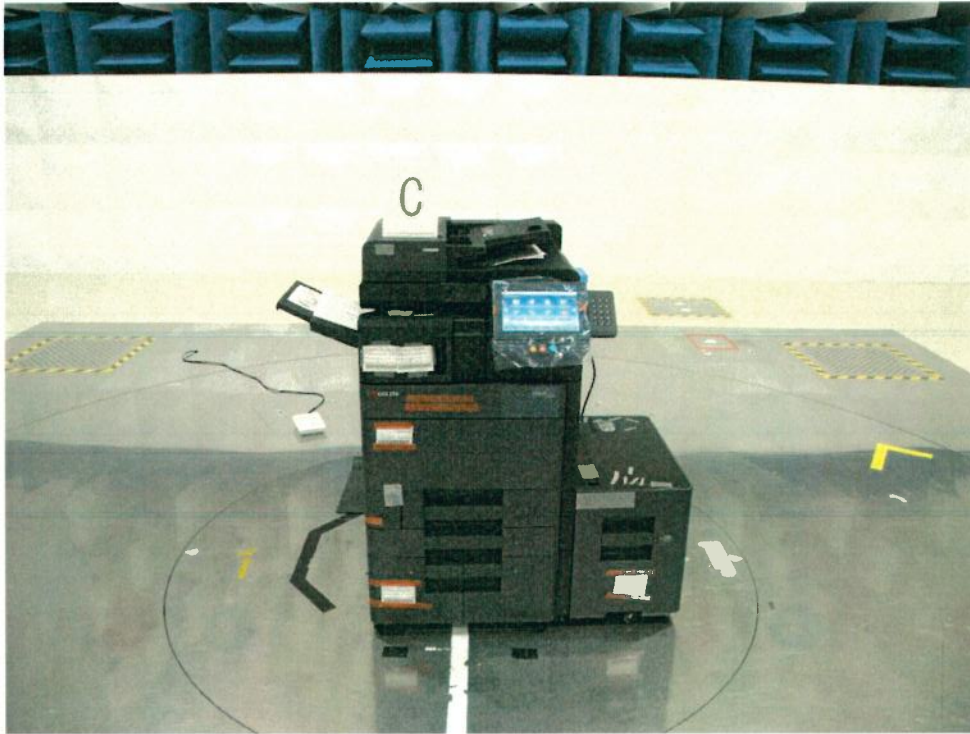
Radiated disturbance

System B



Radiated disturbance

System C



Conducted disturbance

System A



Conducted disturbance

System B



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 2552ci / 3252ci	Z2S5Y00008
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
	DP-7120	Z9H5Y00054
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
Fiery Controller	Printing System 15	P00011440
Fiery Controller Relay PWB	Printing System Interface Kit 15	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date : 1 February, 2016

Temperature : 21°C

Humidity : 52%

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		
<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 3252ci (Average)

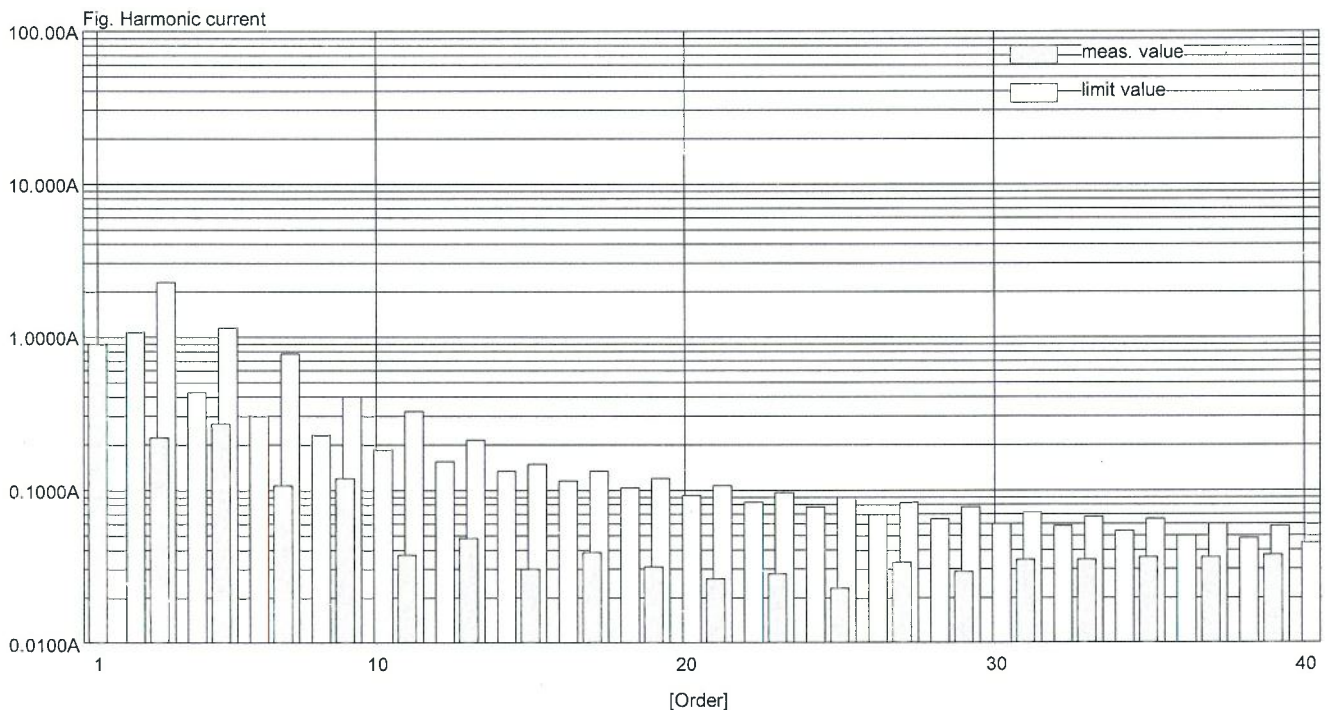
Print Date : Mon Feb 01 13:52:57 2016
 MeasureDate : Mon Feb 01 13:46:29 2016
 Comment : Standby
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, Printing System (15)
 , FAX System (12), IB-50, IB-35, HD-12

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) : 0.9994 A
 Voltage(rms) : 229.69 V
 Frequency : 50.000 Hz
 Power Factor : 0.7396
 POHC Limit : 0.2514 A
 POHC Max : 0.1713 A
 THC : 0.4180 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 292.5461 W
 Sigma PF : 0.7396
 Distortion factor(V) : 0.07 %
 V THDS : 0.07 %
 V THDG : 0.07 %
 Distortion factor(A) : 71.43 %
 A THDS : 71.56 %
 A THDG : 71.69 %
 P THD : 0.02 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.8818			2	0.0077	1.0800	99.3
3	0.2215	2.3000	90.4	4	0.0060	0.4300	98.6
5	0.2737	1.1400	76.0	6	0.0045	0.3000	98.5
7	0.1067	0.7700	86.1	8	0.0022	0.2300	99.0
9	0.1188	0.4000	70.3	10	0.0014	0.1840	99.2
11	0.0377	0.3300	88.6	12	0.0014	0.1533	99.1
13	0.0486	0.2100	76.8	14	0.0017	0.1314	98.7
15	0.0308	0.1500	79.5	16	0.0016	0.1150	98.6
17	0.0388	0.1324	70.7	18	0.0012	0.1022	98.8
19	0.0321	0.1184	72.9	20	0.0014	0.0920	98.5
21	0.0269	0.1071	74.9	22	0.0013	0.0836	98.5
23	0.0288	0.0978	70.5	24	0.0014	0.0767	98.2
25	0.0228	0.0900	74.7	26	0.0016	0.0708	97.7
27	0.0334	0.0833	59.9	28	0.0018	0.0657	97.3
29	0.0299	0.0776	61.5	30	0.0019	0.0613	96.9
31	0.0348	0.0726	52.0	32	0.0022	0.0575	96.2
33	0.0347	0.0682	49.1	34	0.0023	0.0541	95.8
35	0.0369	0.0643	42.6	36	0.0024	0.0511	95.3
37	0.0366	0.0608	39.8	38	0.0026	0.0484	94.6
39	0.0381	0.0577	34.0	40	0.0026	0.0460	94.3



TASKalfa 3252ci (Maximum)

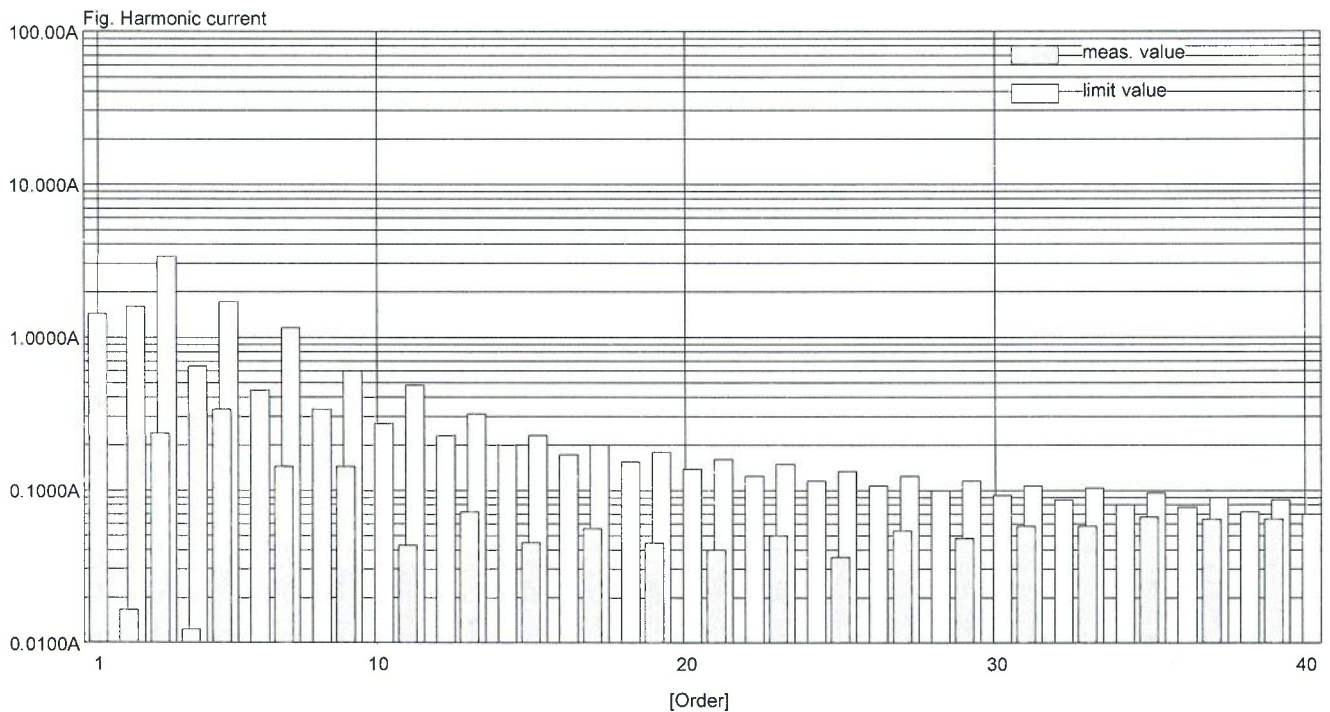
Print Date : Mon Feb 01 13:52:57 2016
 MeasureDate : Mon Feb 01 13:46:29 2016
 Comment : Standby
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, Printing System (15)
 , FAX System (12), IB-50, IB-35, HD-12

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) : 1.4890 A
 Voltage(rms) : 229.73 V
 Frequency : 50.010 Hz
 Power Factor : 0.8555
 Beyond Limit Time : 14.9999 s
 Beyond Total Time : 0.0000 s
 THC : 0.4733 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 292.5461 W
 Sigma PF : 0.8555
 Distortion factor(V) : 0.07 %
 V THDS : 0.07 %
 V THDG : 0.07 %
 Distortion factor(A) : 118.75 %
 A THDS : 118.75 %
 A THDG : 118.75 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.4120			2	0.0163	1.6200	99.0
3	0.2361	3.4500	93.2	4	0.0125	0.6450	98.1
5	0.3368	1.7100	80.3	6	0.0096	0.4500	97.9
7	0.1415	1.1550	87.8	8	0.0056	0.3450	98.4
9	0.1444	0.6000	75.9	10	0.0037	0.2760	98.7
11	0.0439	0.4950	91.1	12	0.0032	0.2300	98.6
13	0.0727	0.3150	76.9	14	0.0039	0.1971	98.0
15	0.0457	0.2250	79.7	16	0.0038	0.1725	97.8
17	0.0564	0.1985	71.6	18	0.0034	0.1533	97.8
19	0.0449	0.1776	74.7	20	0.0034	0.1380	97.5
21	0.0414	0.1607	74.2	22	0.0027	0.1255	97.8
23	0.0499	0.1467	66.0	24	0.0032	0.1150	97.2
25	0.0368	0.1350	72.7	26	0.0036	0.1062	96.6
27	0.0545	0.1250	56.4	28	0.0040	0.0986	96.0
29	0.0489	0.1164	58.0	30	0.0044	0.0920	95.2
31	0.0584	0.1089	46.3	32	0.0046	0.0862	94.7
33	0.0588	0.1023	42.5	34	0.0050	0.0812	93.9
35	0.0664	0.0964	31.2	36	0.0054	0.0767	92.9
37	0.0653	0.0912	28.4	38	0.0056	0.0726	92.3
39	0.0658	0.0865	23.9	40	0.0056	0.0690	91.8



TASKalfa 3252ci (Average)

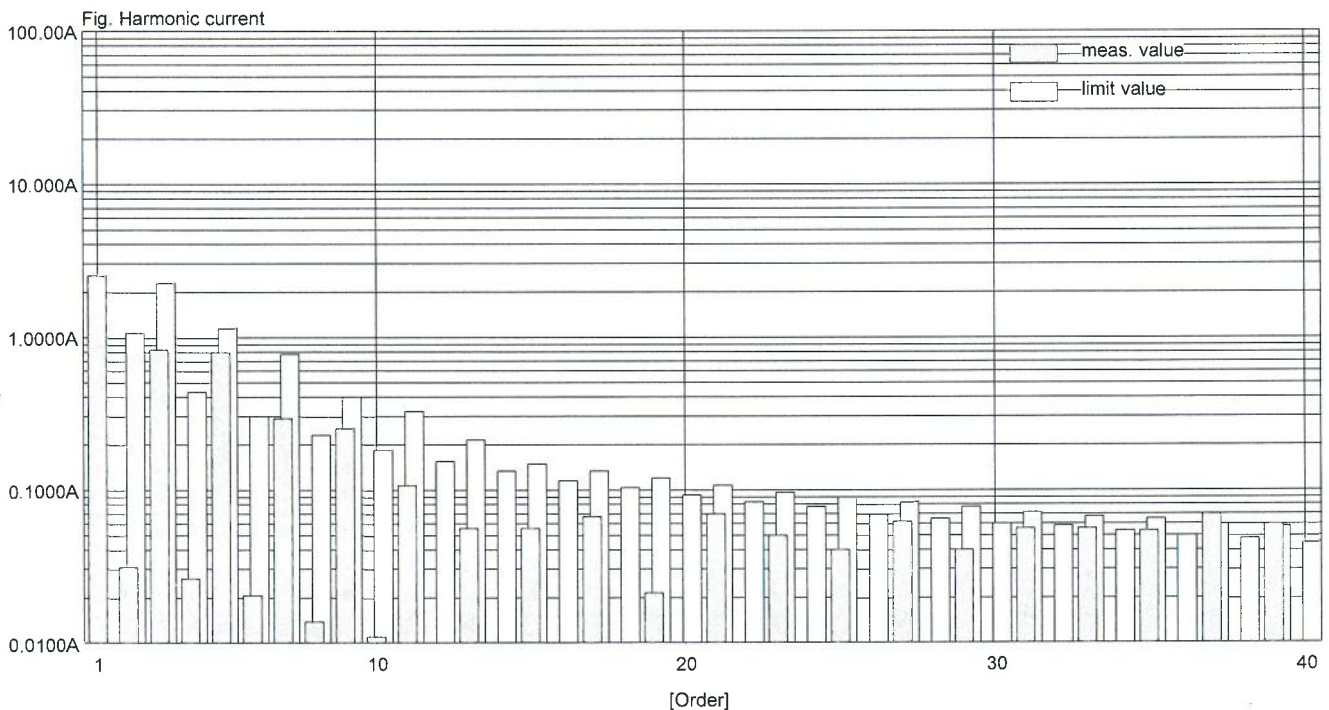
Print Date : Mon Feb 01 15:28:37 2016
 MeasureDate : Mon Feb 01 15:27:45 2016
 Comment : Duplex Print (A4 L)
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, Printing System (15)
 , FAX System (12), IB-50, IB-35, HD-12

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) : 2.8549 A
 Voltage(rms) : 229.56 V
 Frequency : 50.000 Hz
 Power Factor : 0.8805
 POHC Limit : 0.2514 A
 POHC Max : 0.1816 A
 THC : 1.2514 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 593.1669 W
 Sigma PF : 0.8805
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.08 %
 Distortion factor(A) : 48.76 %
 A THDS : 48.77 %
 A THDG : 48.78 %
 P THD : 0.03 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.5658			2	0.0315	1.0800	97.1
3	0.8382	2.3000	63.6	4	0.0263	0.4300	93.9
5	0.8067	1.1400	29.2	6	0.0202	0.3000	93.3
7	0.2974	0.7700	61.4	8	0.0136	0.2300	94.1
9	0.2582	0.4000	35.4	10	0.0111	0.1840	94.0
11	0.1057	0.3300	68.0	12	0.0093	0.1533	93.9
13	0.0555	0.2100	73.6	14	0.0081	0.1314	93.8
15	0.0563	0.1500	62.5	16	0.0062	0.1150	94.6
17	0.0668	0.1324	49.5	18	0.0053	0.1022	94.8
19	0.0215	0.1184	81.9	20	0.0034	0.0920	96.3
21	0.0705	0.1071	34.2	22	0.0030	0.0836	96.4
23	0.0506	0.0978	48.2	24	0.0024	0.0767	96.9
25	0.0409	0.0900	54.5	26	0.0023	0.0708	96.7
27	0.0626	0.0833	24.8	28	0.0013	0.0657	98.1
29	0.0403	0.0776	48.0	30	0.0018	0.0613	97.1
31	0.0554	0.0726	23.6	32	0.0016	0.0575	97.2
33	0.0570	0.0682	16.5	34	0.0026	0.0541	95.3
35	0.0539	0.0643	16.1	36	0.0022	0.0511	95.7
37	0.0704	0.0608	- 15.8	38	0.0028	0.0484	94.2
39	0.0601	0.0577	- 4.1	40	0.0027	0.0460	94.1



TASKalfa 3252ci (Maximum)

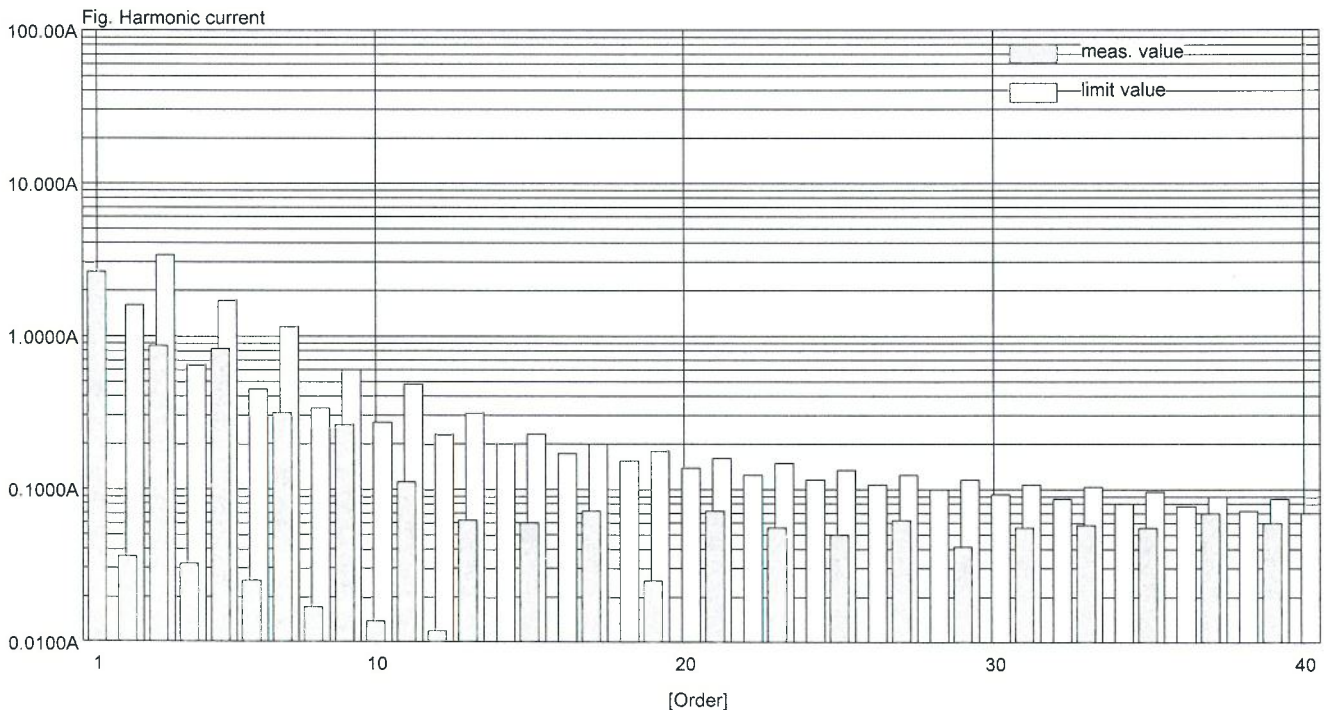
Print Date : Mon Feb 01 15:28:37 2016
 MeasureDate : Mon Feb 01 15:27:45 2016
 Comment : Duplex Print (A4 L)
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, Printing System (15)
 , FAX System (12), IB-50, IB-35, HD-12

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) : 2.9228 A
 Voltage(rms) : 229.57 V
 Frequency : 50.005 Hz
 Power Factor : 0.8855
 Beyond Limit Time : -----
 Beyond Total Time : -----
 THC : 1.2823 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 593.1669 W
 Sigma PF : 0.8855
 Distortion factor(V) : 0.09 %
 V THDS : 0.09 %
 V THDG : 0.09 %
 Distortion factor(A) : 53.23 %
 A THDS : 53.39 %
 A THDG : 53.47 %
 P THD : 0.03 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.6356			2	0.0369	1.6200	97.7
3	0.8586	3.4500	75.1	4	0.0324	0.6450	95.0
5	0.8234	1.7100	51.8	6	0.0251	0.4500	94.4
7	0.3107	1.1550	73.1	8	0.0174	0.3450	94.9
9	0.2683	0.6000	55.3	10	0.0141	0.2760	94.9
11	0.1120	0.4950	77.4	12	0.0118	0.2300	94.9
13	0.0637	0.3150	79.8	14	0.0102	0.1971	94.8
15	0.0609	0.2250	72.9	16	0.0077	0.1725	95.5
17	0.0723	0.1985	63.6	18	0.0063	0.1533	95.9
19	0.0252	0.1776	85.8	20	0.0042	0.1380	97.0
21	0.0735	0.1607	54.2	22	0.0037	0.1255	97.1
23	0.0553	0.1467	62.3	24	0.0027	0.1150	97.6
25	0.0509	0.1350	62.3	26	0.0026	0.1062	97.6
27	0.0637	0.1250	49.0	28	0.0015	0.0986	98.5
29	0.0421	0.1164	63.8	30	0.0020	0.0920	97.8
31	0.0569	0.1089	47.7	32	0.0020	0.0862	97.7
33	0.0580	0.1023	43.3	34	0.0029	0.0812	96.4
35	0.0564	0.0964	41.5	36	0.0025	0.0767	96.7
37	0.0710	0.0912	22.1	38	0.0031	0.0726	95.8
39	0.0606	0.0865	30.0	40	0.0032	0.0690	95.4



TASKalfa 3252ci (Average)

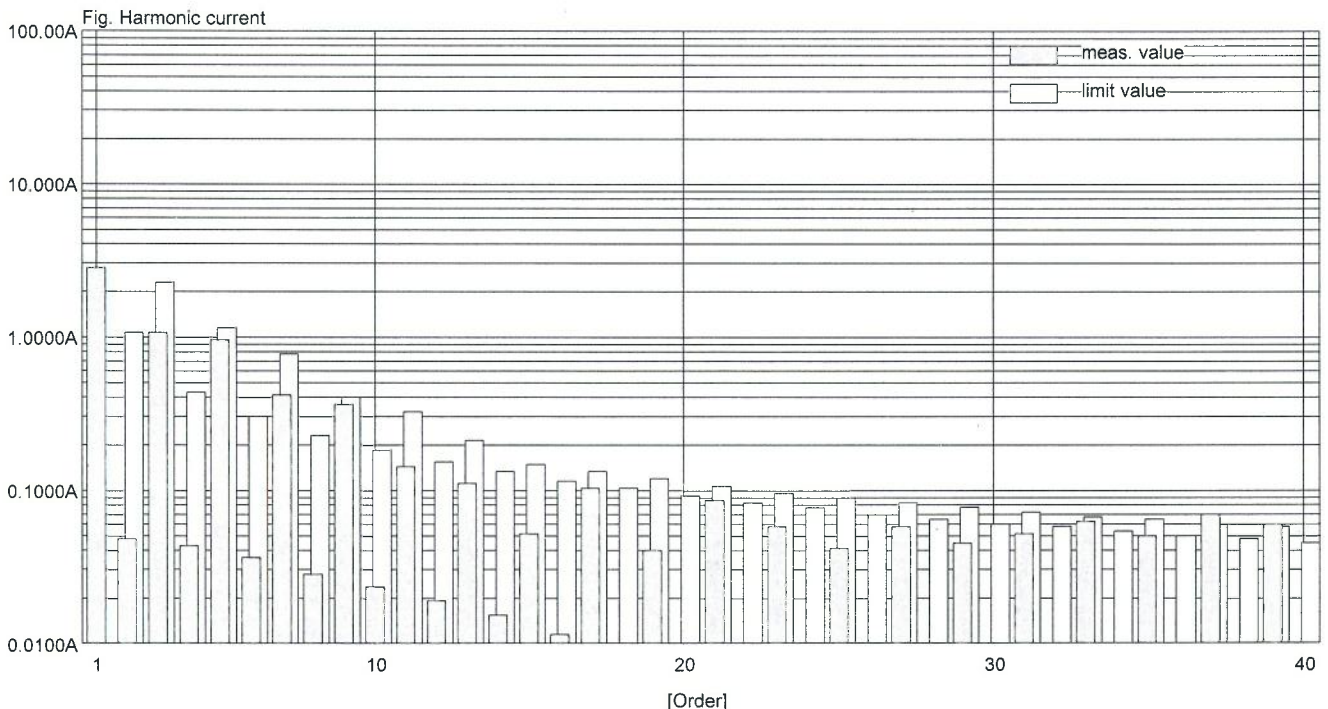
Print Date : Mon Feb 01 15:00:37 2016
 MeasureDate : Mon Feb 01 14:59:37 2016
 Comment : Duplex Copy (A4 L)
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, Printing System (15)
 , FAX System (12), IB-50, IB-35, HD-12

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) : 3.2812 A
 Voltage(rms) : 229.53 V
 Frequency : 50.000 Hz
 Power Factor : 0.8650
 POHC Limit : 0.2514 A
 POHC Max : 0.1893 A
 THC : 1.5707 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 665.2477 W
 Sigma PF : 0.8650
 Distortion factor(V) : 0.09 %
 V THDS : 0.09 %
 V THDG : 0.09 %
 Distortion factor(A) : 54.49 %
 A THDS : 54.51 %
 A THDG : 54.53 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.8805			2	0.0494	1.0800	95.4
3	1.0564	2.3000	54.1	4	0.0443	0.4300	89.7
5	0.9740	1.1400	14.6	6	0.0372	0.3000	87.6
7	0.4268	0.7700	44.6	8	0.0287	0.2300	87.5
9	0.3595	0.4000	10.1	10	0.0236	0.1840	87.2
11	0.1414	0.3300	57.2	12	0.0191	0.1533	87.6
13	0.1122	0.2100	46.6	14	0.0156	0.1314	88.1
15	0.0530	0.1500	64.7	16	0.0116	0.1150	89.9
17	0.1029	0.1324	22.3	18	0.0094	0.1022	90.8
19	0.0400	0.1184	66.2	20	0.0062	0.0920	93.2
21	0.0866	0.1071	19.1	22	0.0060	0.0836	92.8
23	0.0575	0.0978	41.2	24	0.0037	0.0767	95.1
25	0.0415	0.0900	53.9	26	0.0035	0.0708	95.0
27	0.0580	0.0833	30.5	28	0.0017	0.0657	97.4
29	0.0447	0.0776	42.4	30	0.0026	0.0613	95.8
31	0.0516	0.0726	28.9	32	0.0024	0.0575	95.8
33	0.0620	0.0682	9.0	34	0.0027	0.0541	95.0
35	0.0500	0.0643	22.3	36	0.0028	0.0511	94.4
37	0.0694	0.0608	- 14.1	38	0.0027	0.0484	94.4
39	0.0611	0.0577	- 5.8	40	0.0028	0.0460	93.9



TASKalfa 3252ci (Maximum)

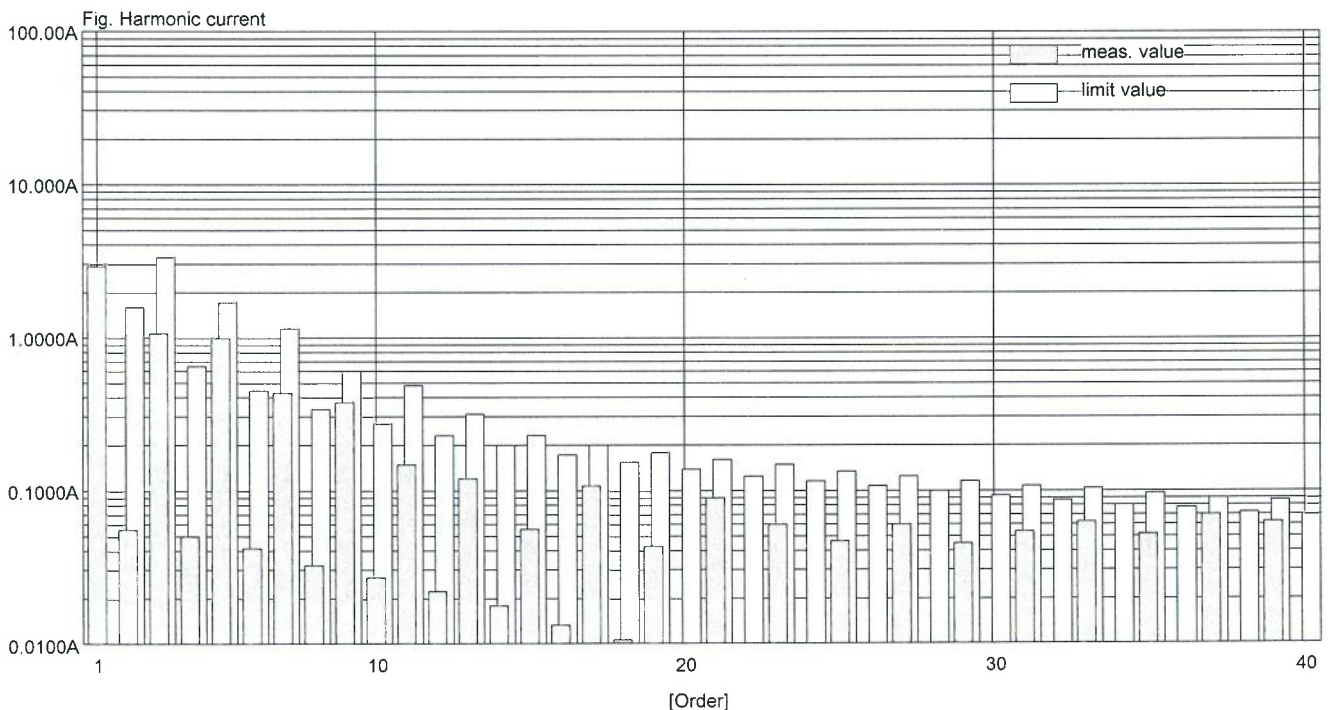
Print Date : Mon Feb 01 15:00:37 2016
 MeasureDate : Mon Feb 01 14:59:37 2016
 Comment : Duplex Copy (A4 L)
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, Printing System (15)
 , FAX System (12), IB-50, IB-35, HD-12

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) : 3.3420 A
 Voltage(rms) : 229.53 V
 Frequency : 50.008 Hz
 Power Factor : 0.8709
 Beyond Limit Time : -----
 Beyond Total Time : -----
 THC : 1.6082 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 665.2477 W
 Sigma PF : 0.8709
 Distortion factor(V) : 0.10 %
 V THDS : 0.10 %
 V THDG : 0.10 %
 Distortion factor(A) : 59.49 %
 A THDS : 59.49 %
 A THDG : 59.49 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.9403			2	0.0555	1.6200	96.6
3	1.0813	3.4500	68.7	4	0.0503	0.6450	92.2
5	0.9935	1.7100	41.9	6	0.0424	0.4500	90.6
7	0.4426	1.1550	61.7	8	0.0330	0.3450	90.4
9	0.3719	0.6000	38.0	10	0.0270	0.2760	90.2
11	0.1470	0.4950	70.3	12	0.0219	0.2300	90.5
13	0.1204	0.3150	61.8	14	0.0179	0.1971	90.9
15	0.0571	0.2250	74.6	16	0.0133	0.1725	92.3
17	0.1083	0.1985	45.4	18	0.0108	0.1533	92.9
19	0.0429	0.1776	75.8	20	0.0074	0.1380	94.6
21	0.0895	0.1607	44.3	22	0.0068	0.1255	94.6
23	0.0614	0.1467	58.1	24	0.0043	0.1150	96.2
25	0.0470	0.1350	65.2	26	0.0039	0.1062	96.3
27	0.0597	0.1250	52.2	28	0.0020	0.0986	98.0
29	0.0457	0.1164	60.7	30	0.0028	0.0920	96.9
31	0.0536	0.1089	50.8	32	0.0028	0.0862	96.8
33	0.0633	0.1023	38.1	34	0.0030	0.0812	96.3
35	0.0528	0.0964	45.2	36	0.0031	0.0767	95.9
37	0.0701	0.0912	23.1	38	0.0031	0.0726	95.8
39	0.0618	0.0865	28.6	40	0.0032	0.0690	95.4



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 2552ci / 3252ci	Z2S5Y00008
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
	DP-7120	Z9H5Y00054
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
Fiery Controller	Printing System 15	P00011440
Fiery Controller Relay PWB	Printing System Interface Kit 15	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date : 11February, 2016

Temperature : 21°C

Humidity : 52%

Atom. Pressure : 1016hPa

Testing Place : Kyocera Document Solutions CE Test Room

Power Input : AC230V, 50Hz

Tested by : Takayuki Matsunura

T. Matsunura

This test was applied as follows.

<i>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 3252ci

Print Date : Tue Feb 02 11:42:26 2016
MeasureDate : Tue Feb 02 11:41:30 2016
Comment : Standby
(Option) DP-7110, DF-7110, PF-7110, AK-7100, MT-730, BF-730, Printing System (15), FAX System (12), IB-50, IB-35, IB-50, HD-12

Regulation : IEC61000-3-3 Ed3.0
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 : 229.11V
Frequency U1 : 50.000Hz
Element : 1
dmin : 0.20%

PASS(Under dmin)

Element1 : Pass(Under dmin)
dc (3.30%) : Pass
dmax (4.00%) : Pass
Tmax (500ms) : Pass
Pst (1.00) : Pass
Plt (0.65) : Pass

No.	dc[%]	dmax[%]	Tmax[ms]	Pst
1	0.00	0.00	0.00	0.09
2	0.00	0.00	0.00	0.14
3	0.00	0.00	0.00	0.14
4	0.11	0.94	0.00	0.09
5	0.00	0.00	0.00	0.14
6	0.00	0.00	0.00	0.13
7	0.00	0.00	0.00	0.14
8	0.00	0.00	0.00	0.13
9	0.00	0.00	0.00	0.13
10	0.00	0.00	0.00	0.13
11	0.00	0.00	0.00	0.13
12	0.00	0.00	0.00	0.13

Plt
0.13

TASKalfa 3252ci

Print Date : Mon Feb 01 16:03:39 2016
MeasureDate : Mon Feb 01 16:03:05 2016
Comment : Print (A4 L)
(Option) DP-7110, DF-7110, PF-7110, AK-7100, MT-730, BF-730, Printing System (15), FAX System (12), IB-50, IB-35, IB-50, HD-12

Regulation : IEC61000-3-3 Ed3.0
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 : 228.88V
Frequency U1 : 50.000Hz
Element : 1
dmin : 0.20%

PASS

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

No.	dc[%]	dmax[%]	Tmax[ms]	Pst
1	0.15	0.18	0.00	0.09
				Plt
				0.04

TASKalfa 3252ci

Print Date : Mon Feb 01 15:48:33 2016
MeasureDate : Mon Feb 01 15:44:17 2016
Comment : Duplex Copy (A4 L)
(Option) DP-7110, DF-7110, PF-7110, AK-7100, MT-730, BF-730, Printing System (15), FAX System (12), IB-50, IB-35, IB-50, HD-12

Regulation : IEC61000-3-3 Ed3.0
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 : 229.64V
Frequency U1 : 50.000Hz
Element : 1
dmin : 0.20%

PASS

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

No.	dc[%]	dmax[%]	Tmax[ms]	Pst
1	0.26	0.36	0.00	0.09
				Plt
				0.04