

## *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 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

This test was applied as follows.

(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 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

This test was applied as follows.

### (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 10-15-119

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 6002i



Serial number: Z315Y00006

Power rating: 230 VAC / 50 Hz

Date of receipt of samples: 1 December 2015

Test period: From 6 January 2016 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 6002i (EN55032 Class B)

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Equipment	Model	S/N	System			Manufacturer
			A	B	C	
MFP	TASKalfa 6002i	Z315Y00006	●	●	●	Kyocera Document
Document Processor	DP-7110	Z9D5Y00087	●	●		Kyocera Document
	DP-7100	Z995Y00076			●	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	●			
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
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

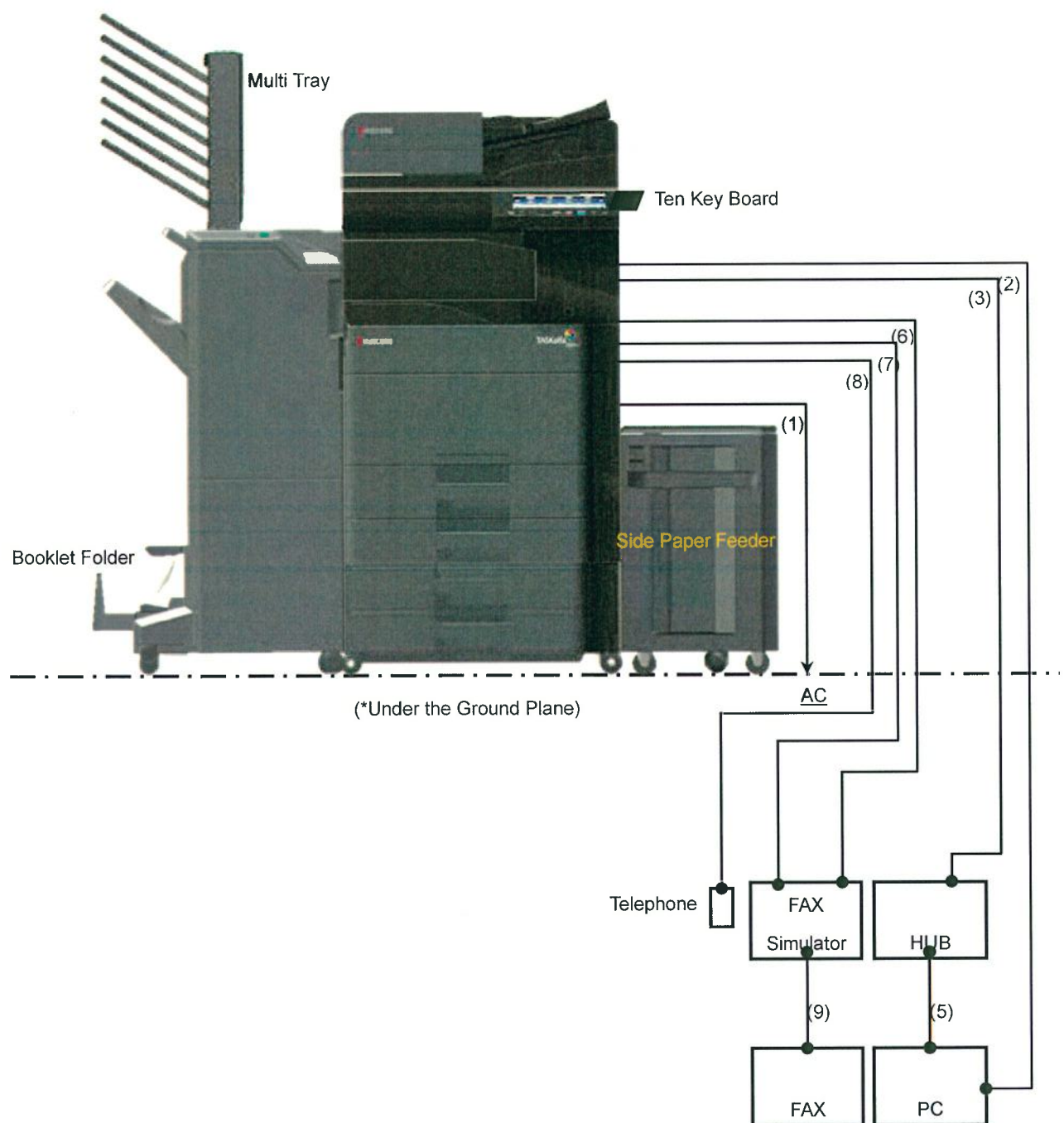
No.	Operation Mode	System	Rad.EMI		Con.EMI
			MHz	GHz	
①	Standby	A	○	○	○
②	Copy	A	○	○	○
③	USB Print + FAX TX	B	○	---	---
④	LAN Print (On Board)+ FAX RX	B	○	---	---
⑤	LAN Print (Option NIC) (Wireless)	C	---	○	---
⑥	LAN Print (On Board) (Telecommunication Ports)	B	---	---	○
⑦	FAX TX (Main Port) (Telecommunication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

### ©Connected Cable / Cord

No.	Cable / Cord	Length	Core	Shielded	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

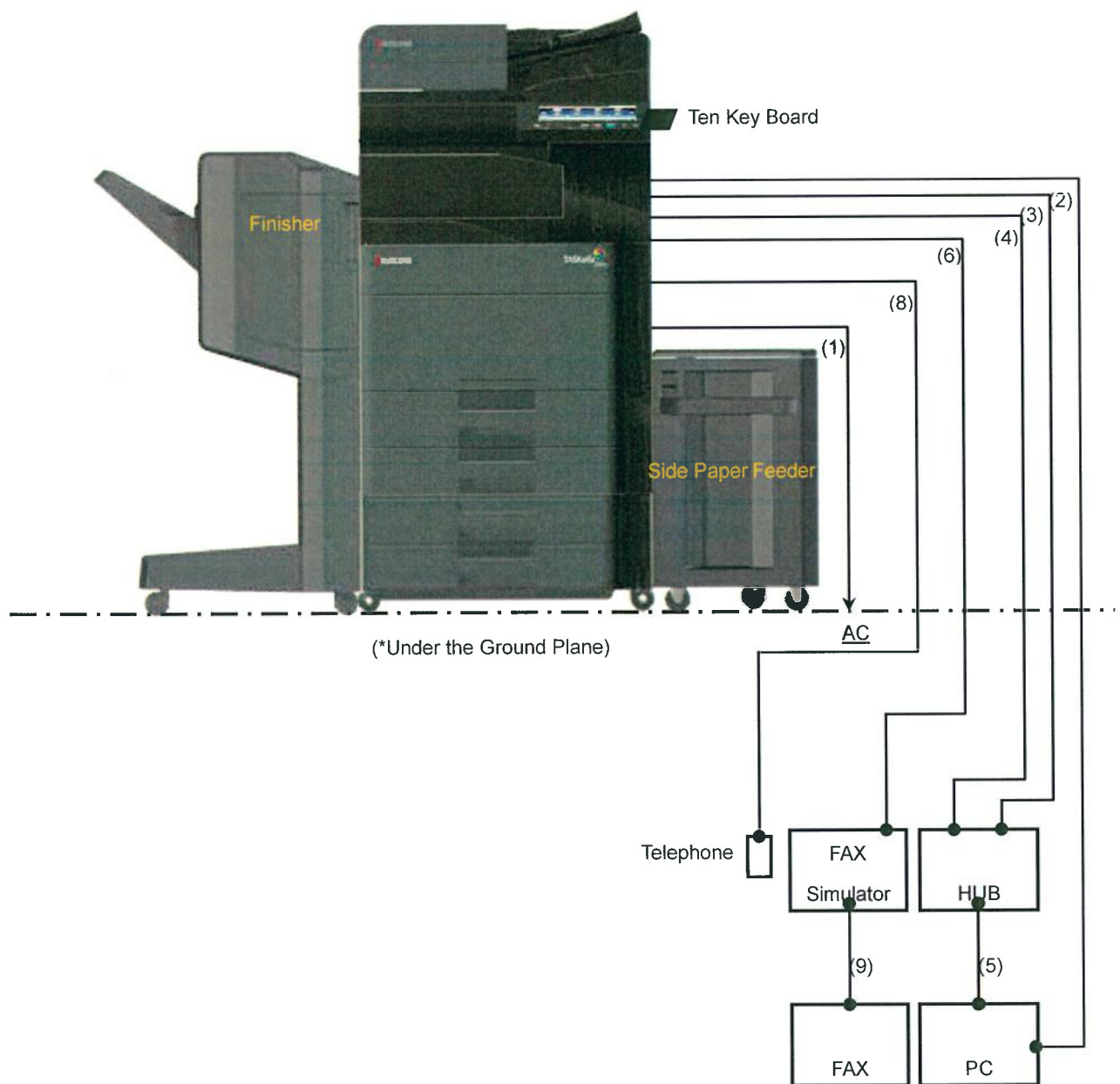
### **System A**





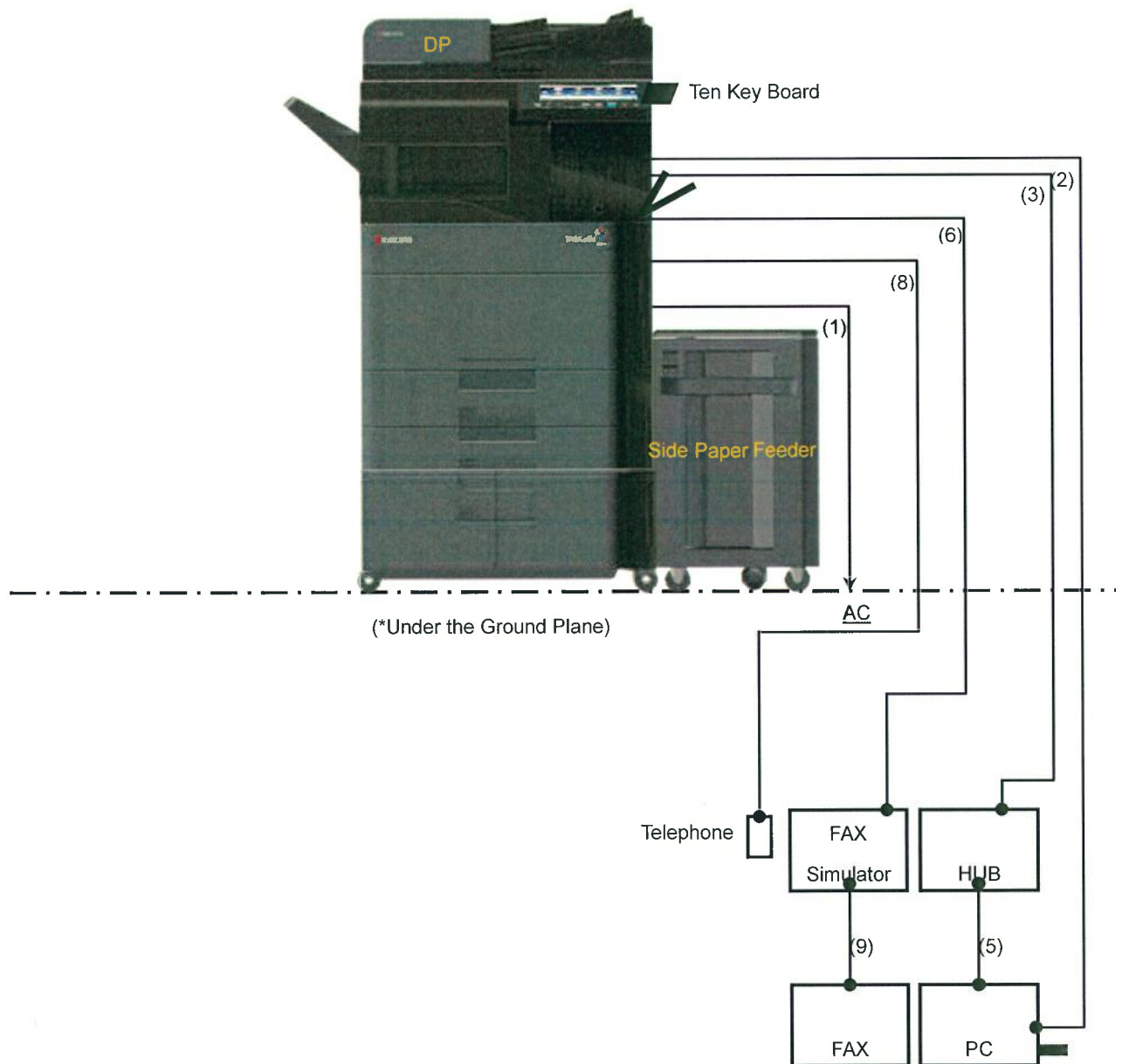
©Equipment Connection Figure

## System B



## ©Equipment Connection Figure

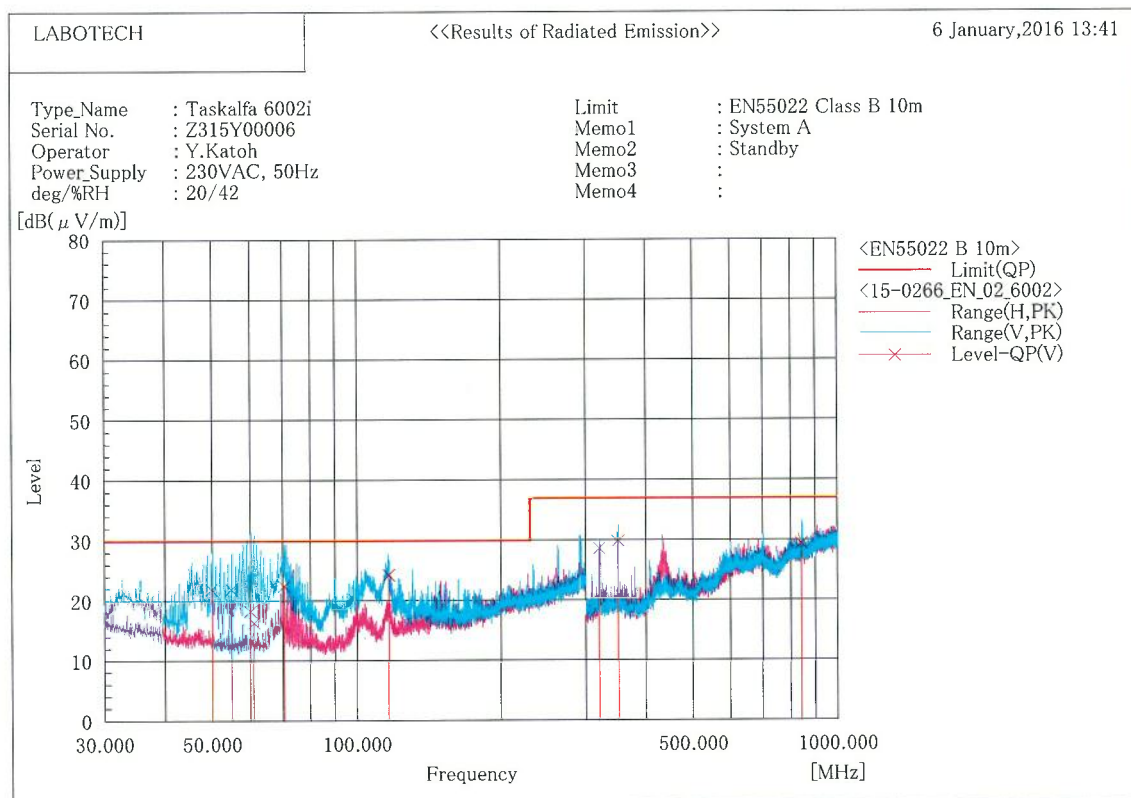
### System C



## Test Results

Radiated disturbance (30 – 1000 MHz)

System A, Standby

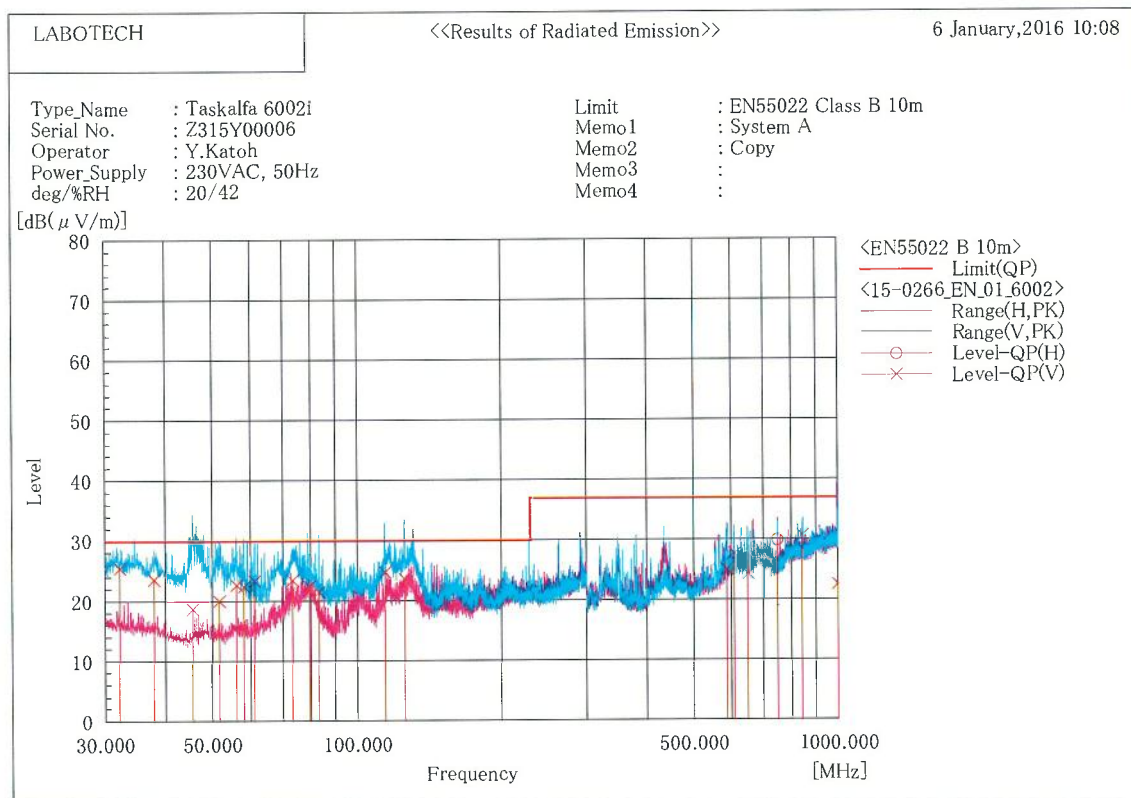


### Final Result

No.	Frequency [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	49.974	V	36.76	-14.81	21.95	30.0	8.1	203.0	342.0
2	54.994	V	37.09	-15.09	22.00	30.0	8.0	248.0	359.0
3	60.050	V	33.53	-15.22	18.31	30.0	11.7	100.0	126.0
4	61.021	V	31.60	-15.24	16.36	30.0	13.6	100.0	135.0
5	70.539	V	37.74	-15.25	22.49	30.0	7.5	104.0	267.0
6	116.697	V	37.44	-13.12	24.32	30.0	5.7	108.0	53.0
7	319.495	V	39.26	-10.72	28.54	37.0	8.5	100.0	352.0
8	350.109	V	39.40	-9.52	29.88	37.0	7.1	100.0	68.0
9	842.248	V	27.76	1.71	29.47	37.0	7.5	171.0	313.0

# Radiated disturbance (30 – 1000 MHz)

System A, Copy

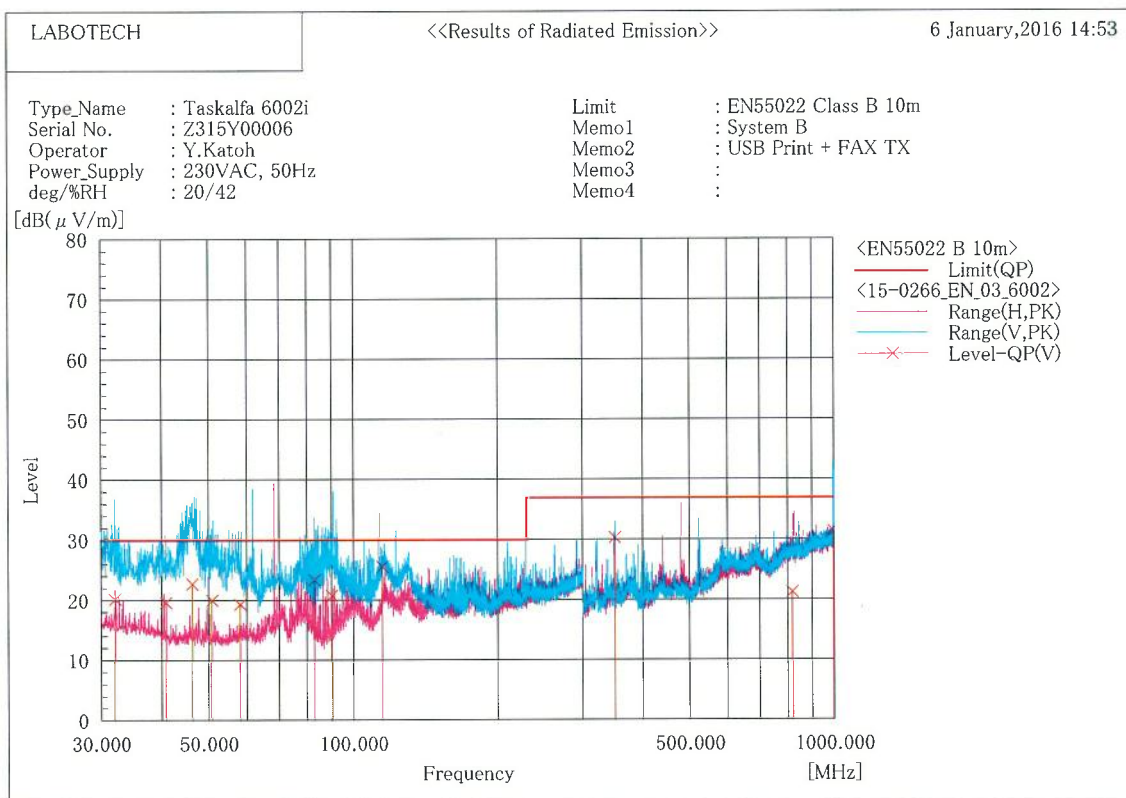


## Final Result

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	32.184	V	37.69	-12.16	25.53	30.0	4.5	100.0	172.0
2	37.869	V	37.03	-13.36	23.67	30.0	6.3	242.0	0.0
3	45.544	V	33.17	-14.37	18.80	30.0	11.2	100.0	359.0
4	51.639	V	34.98	-14.91	20.07	30.0	9.9	161.0	268.0
5	55.998	V	37.83	-15.13	22.70	30.0	7.3	150.0	275.0
6	58.047	V	37.63	-15.18	22.45	30.0	7.6	107.0	312.0
7	61.065	V	38.66	-15.24	23.42	30.0	6.6	137.0	242.0
8	73.161	V	38.73	-15.23	23.50	30.0	6.5	120.0	105.0
9	79.443	V	37.70	-15.21	22.49	30.0	7.5	100.0	272.0
10	83.113	V	36.70	-15.18	21.52	30.0	8.5	100.0	204.0
11	114.203	V	38.10	-13.30	24.80	30.0	5.2	100.0	72.0
12	125.578	V	36.30	-12.59	23.71	30.0	6.3	100.0	72.0
13	586.691	V	28.16	-3.04	25.12	37.0	11.9	232.0	172.0
14	607.385	V	29.75	-1.91	27.84	37.0	9.2	181.0	352.0
15	648.508	V	25.96	-1.52	24.44	37.0	12.6	168.0	149.0
16	748.502	H	31.11	-1.18	29.93	37.0	7.1	131.0	149.0
17	842.214	V	29.13	1.71	30.84	37.0	6.2	152.0	70.0
18	999.688	V	18.68	3.88	22.56	37.0	14.4	250.0	69.0

## Radiated disturbance (30 – 1000 MHz)

System B, USB Print + FAX TX



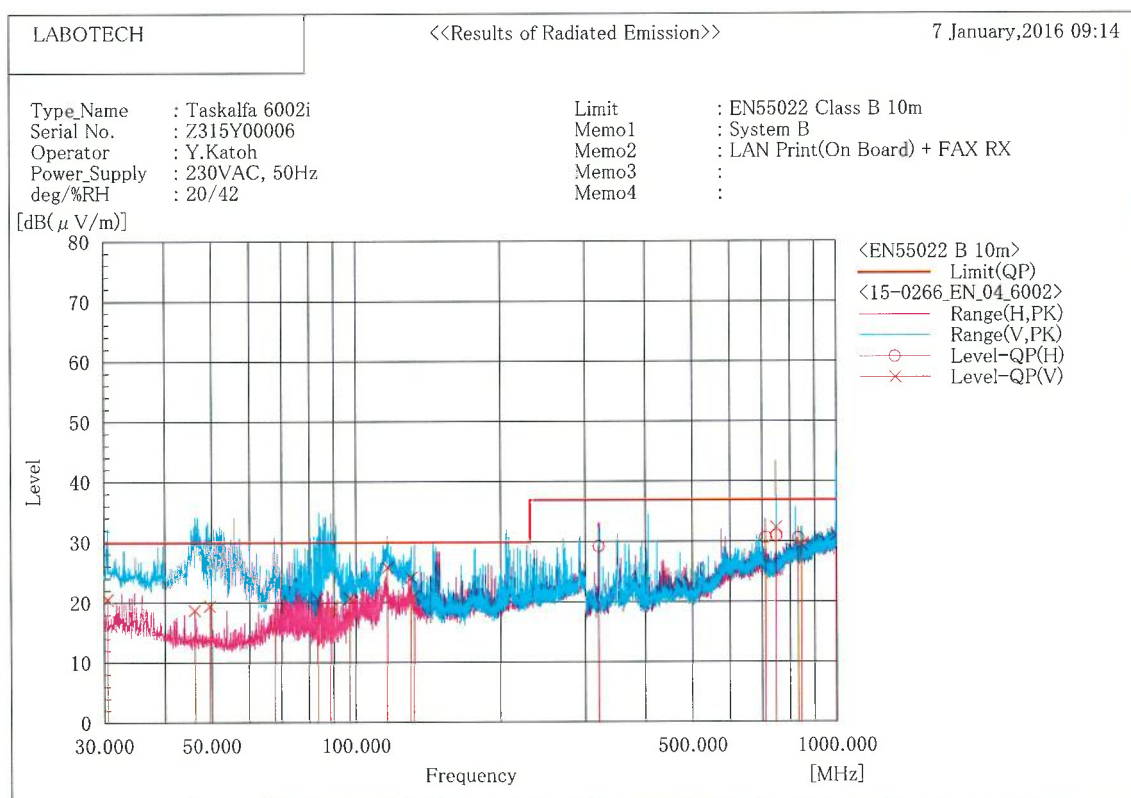
### Final Result

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	32.083	V 32.40	-12.14	20.26	30.0	9.7	100.0	202.0
2	40.839	V 33.45	-13.80	19.65	30.0	10.4	121.0	156.0
3	46.239	V 37.25	-14.45	22.80	30.0	7.2	103.0	142.0
4	50.790	V 34.87	-14.86	20.01	30.0	10.0	221.0	1.0
5	58.111	V 34.56	-15.18	19.38	30.0	10.6	201.0	359.0
6	82.804	V 38.57	-15.18	23.39	30.0	6.6	160.0	351.0
7	90.056	V 35.77	-14.94	20.83	30.0	9.2	103.0	297.0
8	114.957	V 38.82	-13.24	25.58	30.0	4.4	100.0	97.0
9	350.118	V 39.90	-9.52	30.38	37.0	6.6	101.0	282.0
10	819.322	V 19.68	1.69	21.37	37.0	15.6	244.0	148.0
11	998.665	V 27.60	3.88	31.48	37.0	5.5	116.0	175.0



# Radiated disturbance (30 – 1000 MHz)

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

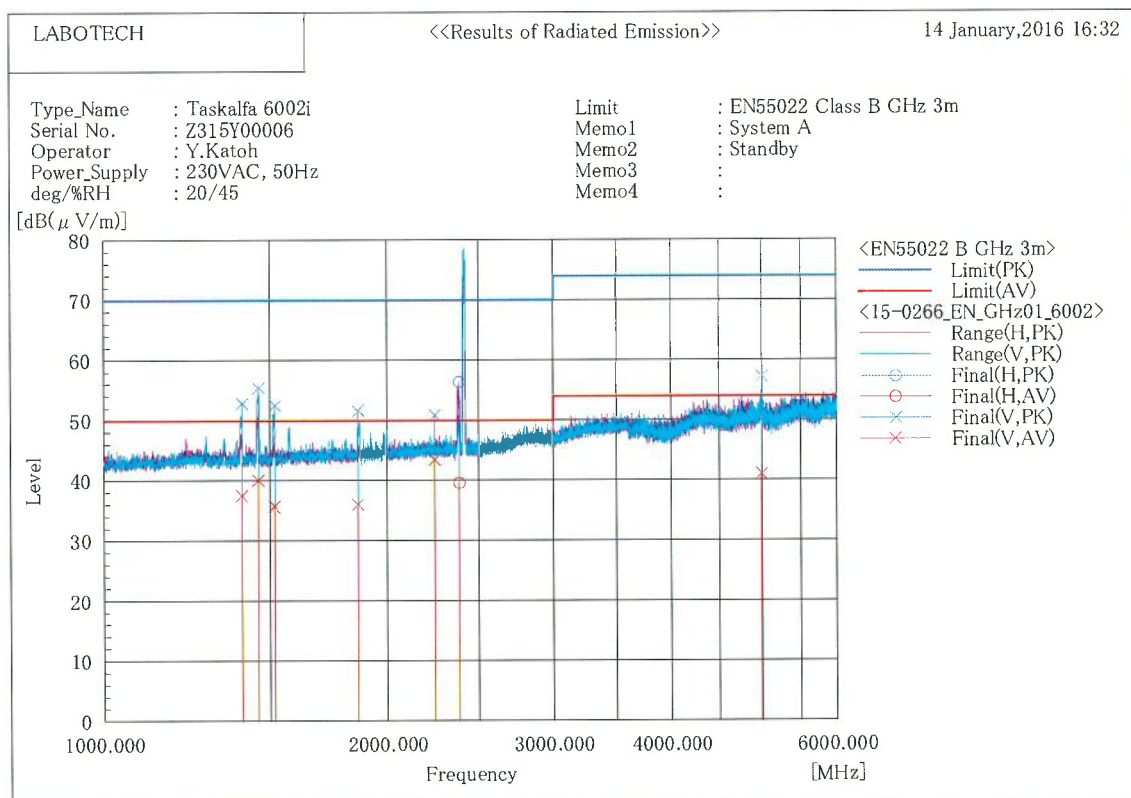


### Final Result

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	30.540	V	32.38	-11.78	20.60	30.0	9.4	100.0	202.0
2	46.161	V	33.20	-14.44	18.76	30.0	11.2	240.0	141.0
3	49.655	V	34.28	-14.78	19.50	30.0	10.5	168.0	172.0
4	68.058	V	38.53	-15.23	23.30	30.0	6.7	121.0	246.0
5	83.253	V	35.81	-15.18	20.63	30.0	9.4	149.0	291.0
6	88.744	V	33.97	-14.98	18.99	30.0	11.0	141.0	304.0
7	97.153	V	35.29	-14.53	20.76	30.0	9.2	138.0	260.0
8	116.400	V	39.00	-13.14	25.86	30.0	4.1	121.0	99.0
9	130.393	V	36.52	-12.32	24.20	30.0	5.8	105.0	75.0
10	132.176	V	33.43	-12.23	21.20	30.0	8.8	128.0	113.0
11	319.497	H	40.03	-10.72	29.31	37.0	7.7	212.0	320.0
12	711.075	H	31.77	-0.99	30.78	37.0	6.2	120.0	201.0
13	748.501	H	32.21	-1.18	31.03	37.0	6.0	100.0	135.0
14	748.501	V	33.64	-1.18	32.46	37.0	4.5	232.0	209.0
15	833.017	H	28.99	1.68	30.67	37.0	6.3	131.0	143.0
16	846.156	V	27.85	1.74	29.59	37.0	7.4	172.0	320.0
17	998.972	V	27.20	3.88	31.08	37.0	5.9	118.0	210.0

## Radiated disturbance (1000 – 6000 MHz)

### System A, Standby

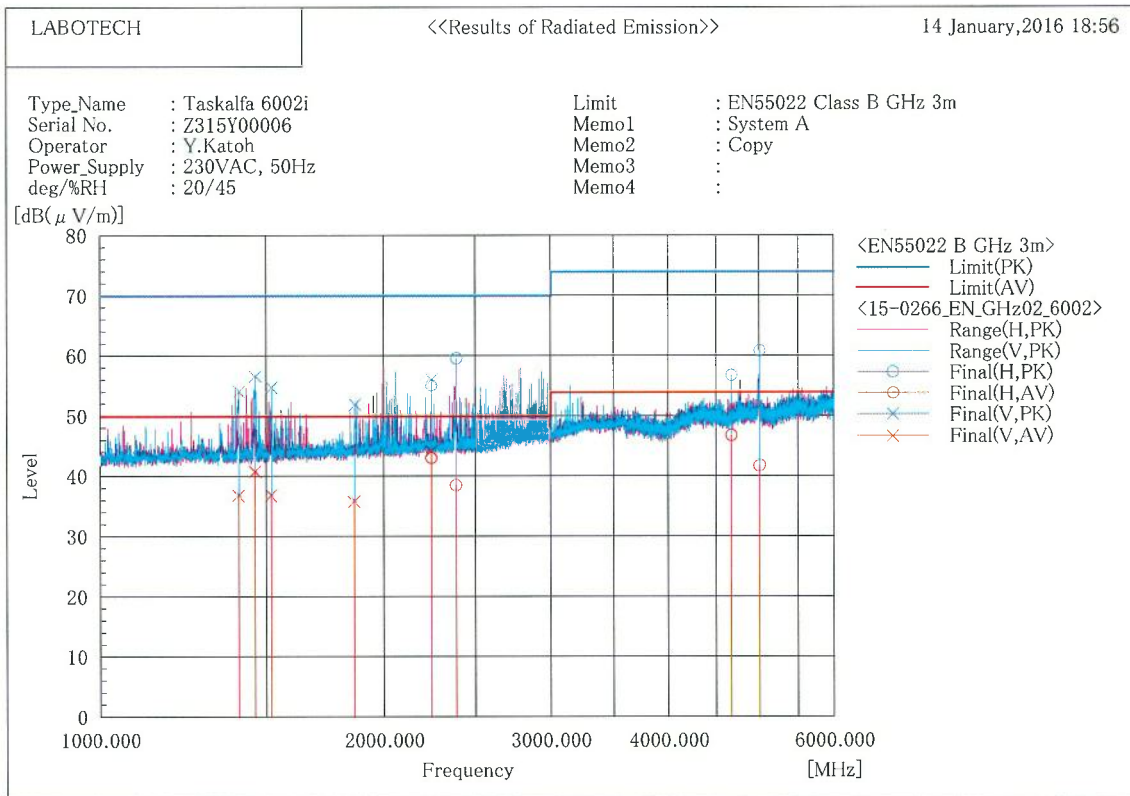


#### Final Result

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	1399.814	V	53.32	38.07	-0.42	52.90	37.65	70.0	50.0	17.1	12.3	100.0	80.0
2	1457.835	V	55.78	40.42	-0.22	55.56	40.20	70.0	50.0	14.4	9.8	100.0	64.0
3	1517.428	V	52.56	35.85	0.04	52.60	35.89	70.0	50.0	17.4	14.1	100.0	101.0
4	1860.342	V	50.64	35.16	1.09	51.73	36.25	70.0	50.0	18.3	13.8	100.0	71.0
5	2245.571	V	48.91	41.56	1.96	50.87	43.52	70.0	50.0	19.1	6.5	100.0	166.0
6	2384.023	H	54.56	37.85	1.81	56.37	39.66	70.0	50.0	13.6	10.3	100.0	202.0
7	4992.943	V	44.38	28.16	12.93	57.31	41.09	74.0	54.0	16.7	12.9	100.0	120.0

## Radiated disturbance (1000 – 6000 MHz)

### System A, Copy

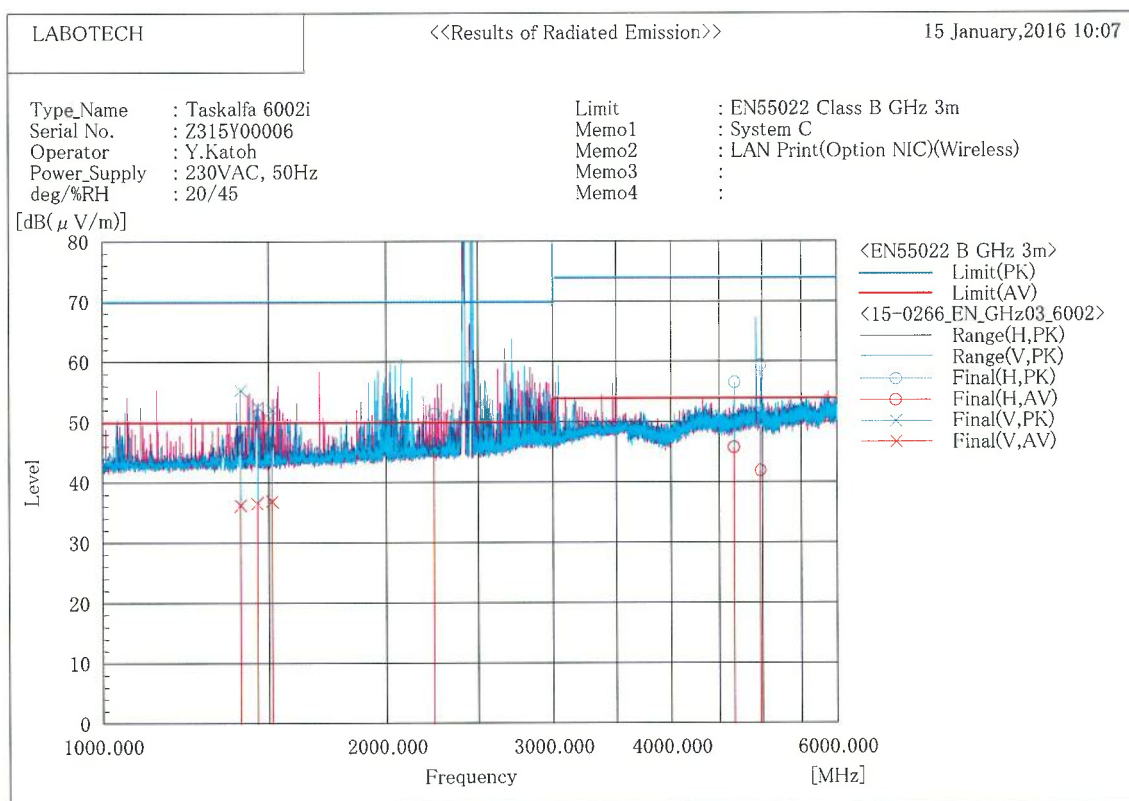


#### Final Result

No.	Frequency (P)	Reading PK	Reading AV	c.f	Result PK	Result AV	Limit PK	Limit AV	Margin PK	Margin AV	Height	Angle
	[MHz]	[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[°]
1	1400.657	V	54.55	37.42	-0.42	54.13	37.00	70.0	15.9	13.0	100.0	83.0
2	1458.034	V	56.89	41.12	-0.22	56.67	40.90	70.0	13.3	9.1	100.0	64.0
3	1516.694	V	54.76	36.92	0.04	54.80	36.96	70.0	15.2	13.0	100.0	96.0
4	1860.425	V	50.90	34.93	1.09	51.99	36.02	70.0	18.0	14.0	100.0	75.0
5	2245.505	H	53.33	41.19	1.96	55.29	43.15	70.0	14.7	6.8	100.0	183.0
6	2245.505	V	54.28	42.35	1.96	56.24	44.31	70.0	13.8	5.7	100.0	141.0
7	2384.971	H	57.83	36.87	1.81	59.64	38.68	70.0	10.4	11.3	100.0	203.0
8	4667.014	H	45.06	34.99	11.87	56.93	46.86	74.0	17.1	7.1	100.0	83.0
9	4999.421	H	47.91	28.93	12.95	60.86	41.88	74.0	13.1	12.1	100.0	101.0

# Radiated disturbance (1000 – 6000 MHz)

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

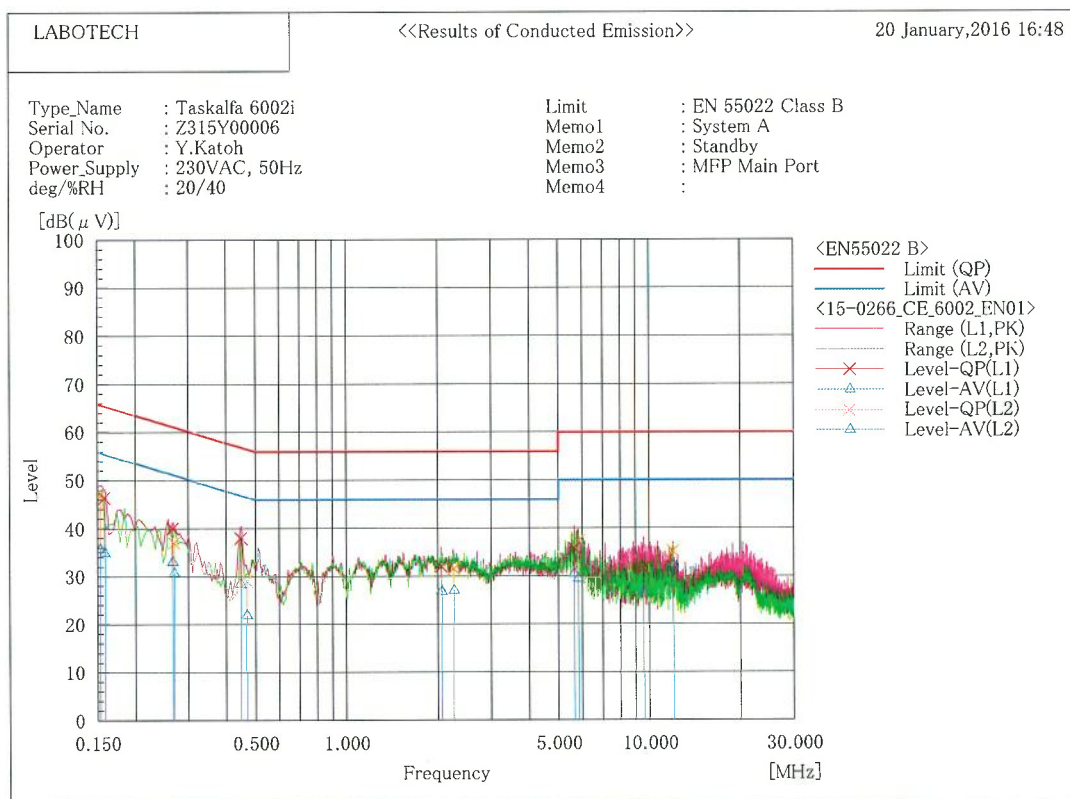


### Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB( $\mu$ V)]	Reading AV [dB( $\mu$ V)]	c.f [dB(1/m)]	Result PK [dB( $\mu$ V/m)]	Result AV [dB( $\mu$ V/m)]	Limit PK [dB( $\mu$ V/m)]	Limit AV [dB( $\mu$ V/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	1398.941	V	55.77	36.75	-0.42	55.35	36.33	70.0	50.0	14.7	13.7	100.0	326.0
2	1458.442	V	52.82	36.98	-0.22	52.60	36.76	70.0	50.0	17.4	13.2	100.0	125.0
3	1512.591	V	52.12	37.02	0.01	52.13	37.03	70.0	50.0	17.9	13.0	100.0	78.0
4	2245.500	H	49.45	43.34	1.96	51.41	45.30	70.0	50.0	18.6	4.7	100.0	226.0
5	4666.585	H	44.68	34.00	11.87	56.55	45.87	74.0	54.0	17.4	8.1	100.0	95.0
6	4979.082	H	46.62	29.15	12.88	59.50	42.03	74.0	54.0	14.5	12.0	100.0	97.0

## Conducted disturbance

### System A, Standby, 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	0.15864	36.4	24.9	10.1	46.5	35.0	65.5	55.5	19.0	20.5
2	0.26616	30.0	23.0	10.1	40.1	33.1	61.2	51.2	21.1	18.1
3	0.44769	27.9	18.4	10.1	38.0	28.5	56.9	46.9	18.9	18.4
4	2.05639	21.8	16.7	10.3	32.1	27.0	56.0	46.0	23.9	19.0
5	5.6371	25.2	19.8	10.7	35.9	30.5	60.0	50.0	24.1	19.5
6	9.5824	20.7	16.1	10.9	31.6	27.0	60.0	50.0	28.4	23.0

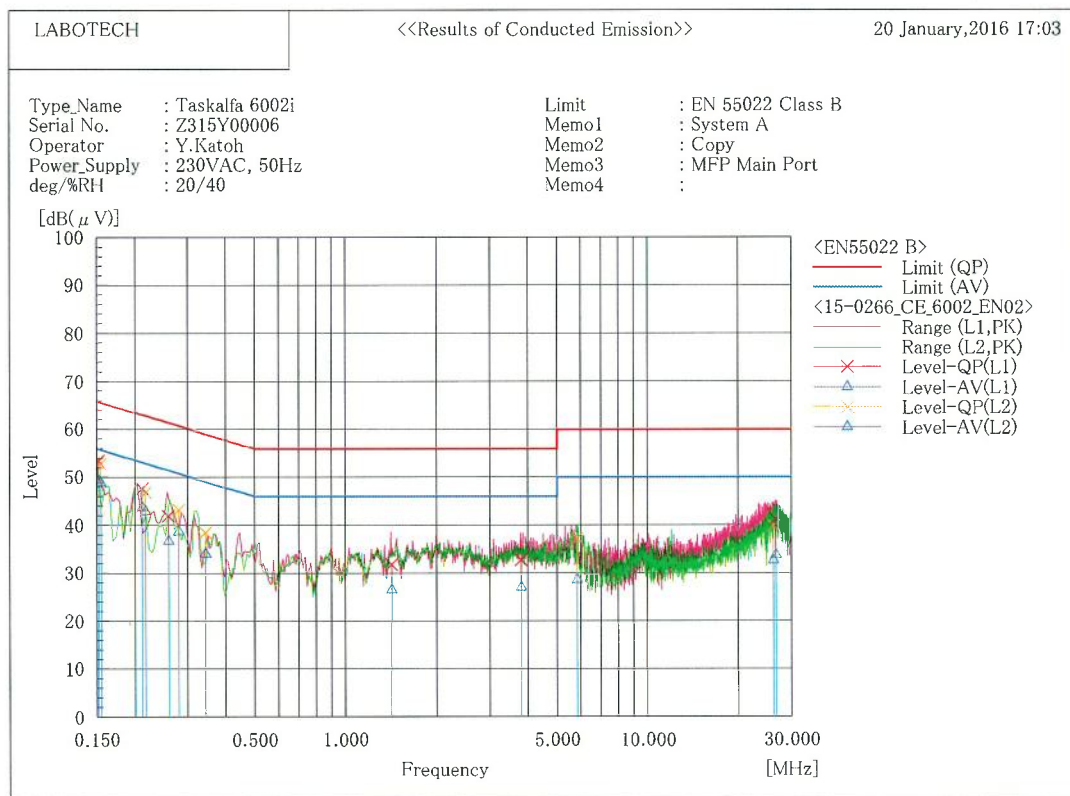
##### --- L2 Phase ---

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	0.15303	36.9	25.6	10.1	47.0	35.7	65.8	55.8	18.8	20.1
2	0.26878	27.0	20.7	10.1	37.1	30.8	61.2	51.2	24.1	20.4
3	0.46835	19.1	12.0	10.1	29.2	22.1	56.5	46.5	27.3	24.4
4	2.25524	21.2	16.8	10.4	31.6	27.2	56.0	46.0	24.4	18.8
5	5.8225	26.7	18.8	10.7	37.4	29.5	60.0	50.0	22.6	20.5
6	11.9826	24.1	20.9	11.2	35.3	32.1	60.0	50.0	24.7	17.9



## Conducted disturbances

### System A, Copy, MFP Main Port



#### Final Result

##### --- L1 Phase ---

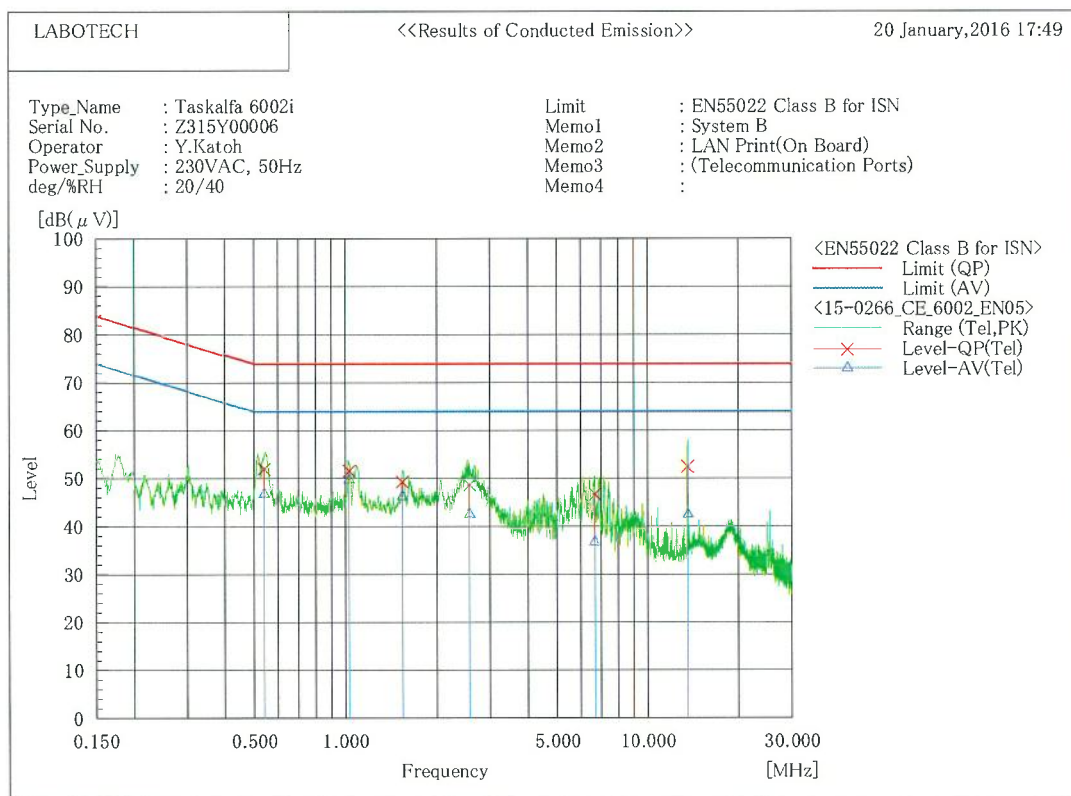
No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.15175	43.4	39.4	10.1	53.5	49.5	65.9	55.9	12.4	6.4
2	0.21208	37.7	33.7	10.1	47.8	43.8	63.1	53.1	15.3	9.3
3	0.25893	31.9	26.7	10.1	42.0	36.8	61.5	51.5	19.5	14.7
4	1.42075	21.5	16.3	10.3	31.8	26.6	56.0	46.0	24.2	19.4
5	3.79526	22.3	16.7	10.5	32.8	27.2	56.0	46.0	23.2	18.8
6	26.6778	29.4	21.7	12.0	41.4	33.7	60.0	50.0	18.6	16.3

##### --- 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	0.15446	42.8	38.8	10.1	52.9	48.9	65.8	55.8	12.9	6.9
2	0.21741	36.8	32.8	10.1	46.9	42.9	62.9	52.9	16.0	10.0
3	0.27974	33.2	28.6	10.1	43.3	38.7	60.8	50.8	17.5	12.1
4	0.34298	28.4	23.9	10.1	38.5	34.0	59.1	49.1	20.6	15.1
5	5.8335	26.6	17.9	10.7	37.3	28.6	60.0	50.0	22.7	21.4
6	26.19015	27.8	20.7	11.9	39.7	32.6	60.0	50.0	20.3	17.4

## Conducted disturbance

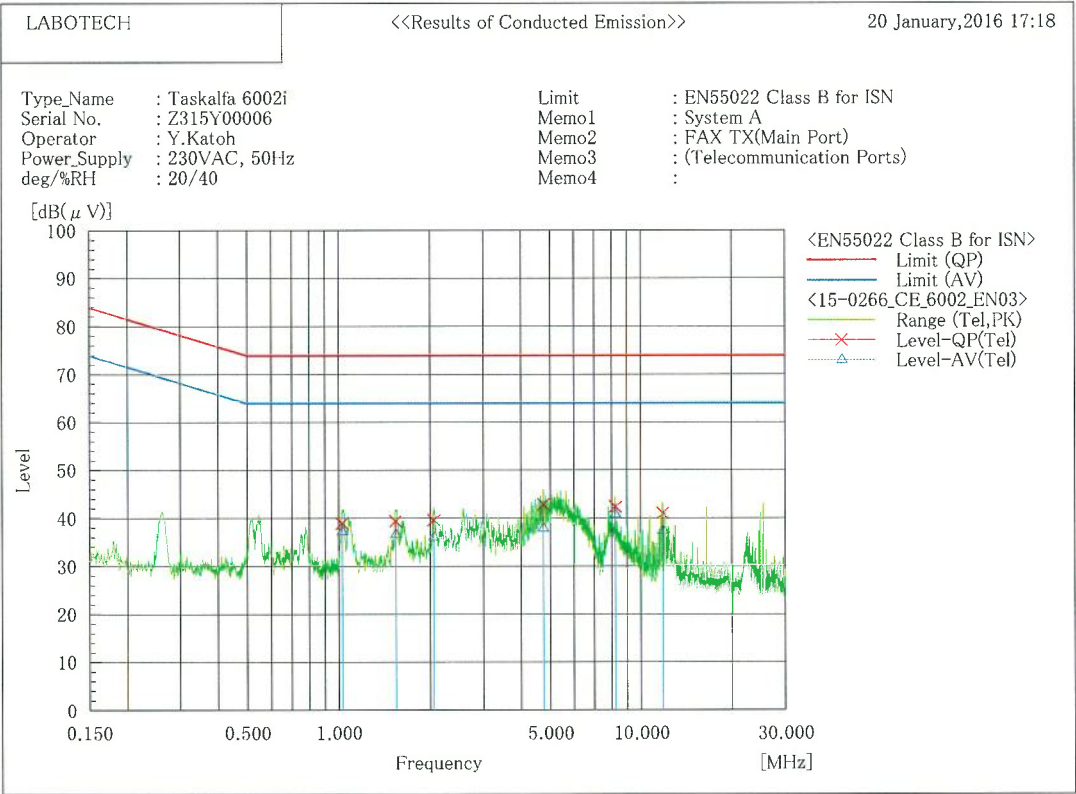
### System B, LAN Print (On Board) (Telecommunication Ports)



#### Final Result

--- Tel Phase ---										
No.	Frequency	Reading	Reading	c. f	Result	Result	Limit	Limit	Margin	Margin
	[MHz]	QP	CAV		QP	CAV	QP	AV	QP	CAV
		[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.53941	42.3	37.1	9.8	52.1	46.9	74.0	64.0	21.9	17.1
2	1.02792	41.8	39.9	9.9	51.7	49.8	74.0	64.0	22.3	14.2
3	1.54004	39.4	36.3	9.9	49.3	46.2	74.0	64.0	24.7	17.8
4	2.56348	38.7	32.6	10.0	48.7	42.6	74.0	64.0	25.3	21.4
5	6.6716	36.6	26.6	10.2	46.8	36.8	74.0	64.0	27.2	27.2
6	13.5609	42.0	32.1	10.5	52.5	42.6	74.0	64.0	21.5	21.4

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



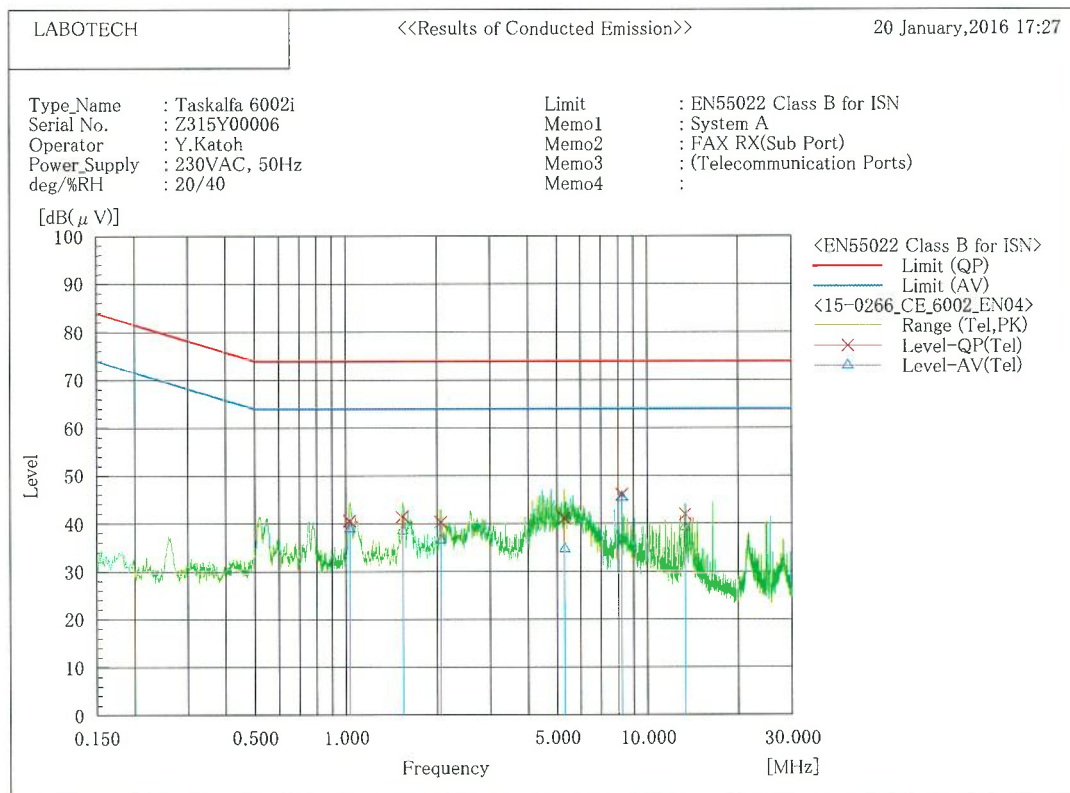
Final Result

--- Tel Phase ---

No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB( $\mu$ V)]	[dB( $\mu$ V)]	[dB]	[dB( $\mu$ V)]	[dB( $\mu$ V)]	[dB( $\mu$ V)]	[dB( $\mu$ V)]	[dB]	[dB]
1	1.0262	29.5	27.7	9.6	39.1	37.3	74.0	64.0	34.9	26.7
2	1.54076	29.8	27.0	9.7	39.5	36.7	74.0	64.0	34.5	27.3
3	2.05224	30.0	26.4	9.7	39.7	36.1	74.0	64.0	34.3	27.9
4	4.73912	33.1	28.1	9.9	43.0	38.0	74.0	64.0	31.0	26.0
5	8.19075	32.5	30.8	10.0	42.5	40.8	74.0	64.0	31.5	23.2
6	11.7873	31.0	27.2	10.2	41.2	37.4	74.0	64.0	32.8	26.6

## Conducted disturbance

### System A, FAX RX (Sub Port) (Telecommunication Ports)



#### Final Result

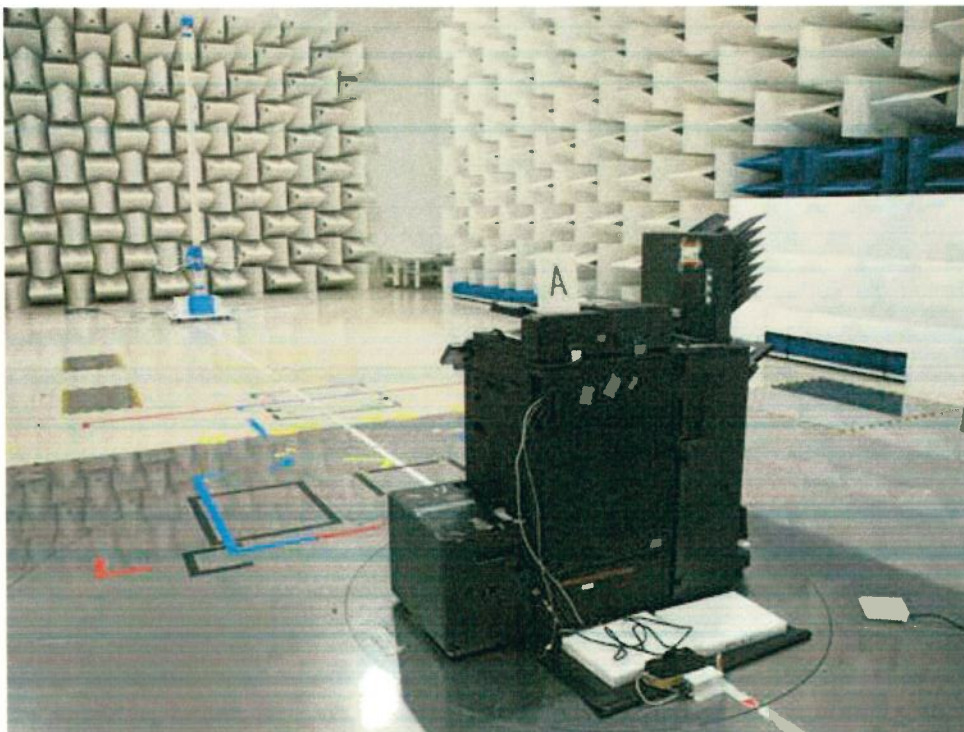
--- Tel Phase ---										
No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.02724	31.1	29.4	9.6	40.7	39.0	74.0	64.0	33.3	25.0
2	1.53972	32.0	28.8	9.7	41.7	38.5	74.0	64.0	32.3	25.5
3	2.05552	30.7	27.0	9.7	40.4	36.7	74.0	64.0	33.6	27.3
4	5.27875	31.3	24.9	9.9	41.2	34.8	74.0	64.0	32.8	29.2
5	8.1914	36.2	35.5	10.0	46.2	45.5	74.0	64.0	27.8	18.5
6	13.2768	31.8	29.0	10.3	42.1	39.3	74.0	64.0	31.9	24.7



**Photographs of Test Setup/Arrangement**

Radiated disturbance

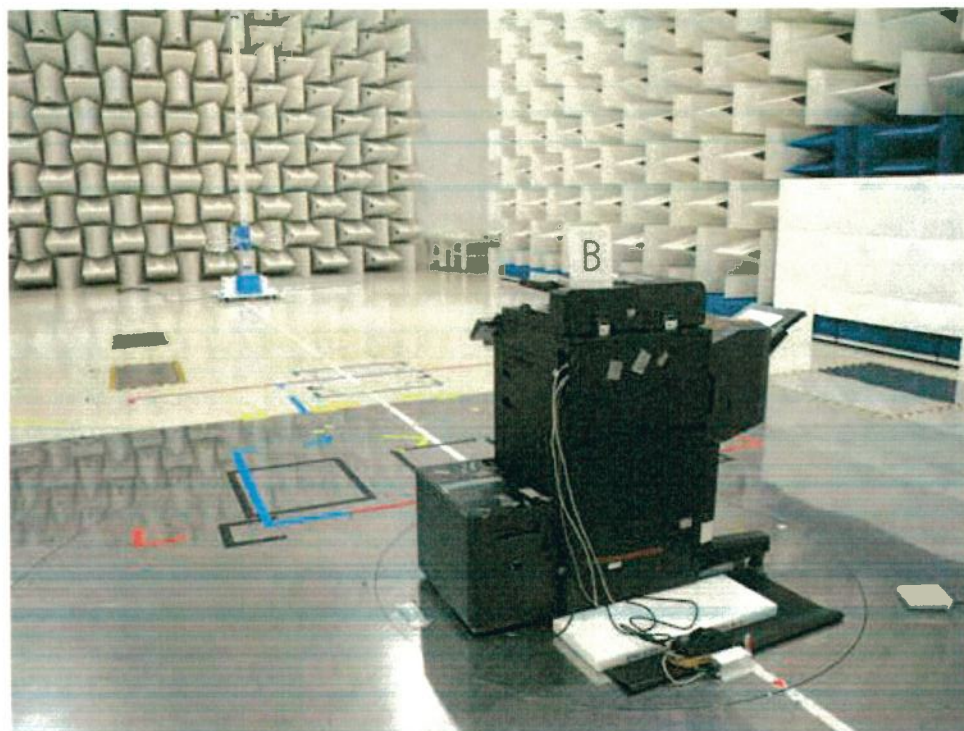
System A





Radiated disturbance

System B



Radiated disturbance

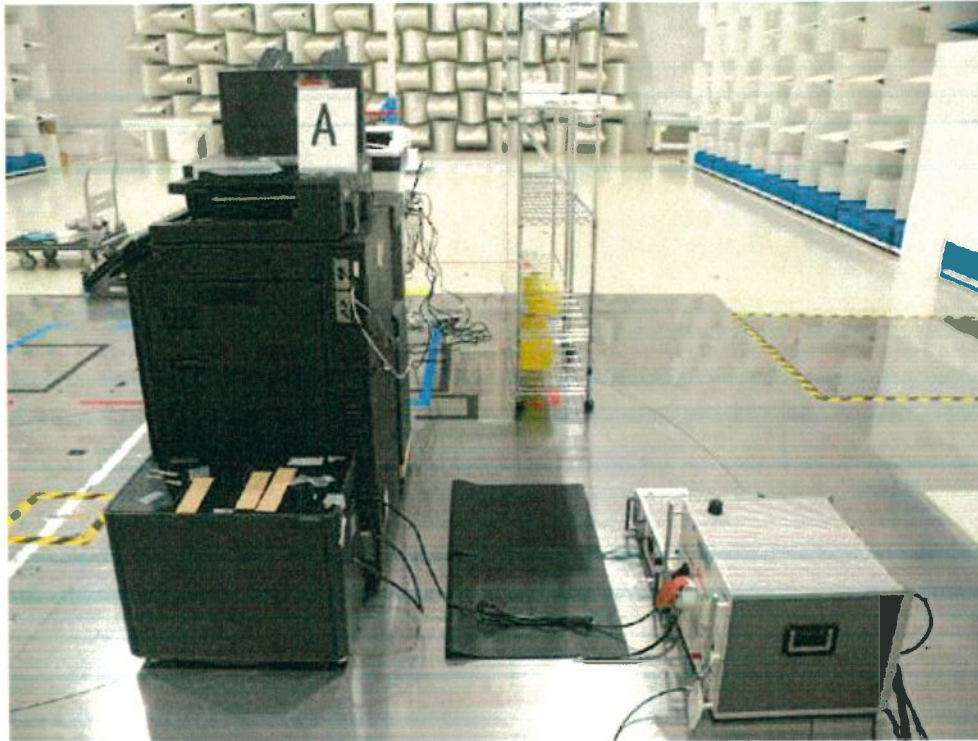
System C





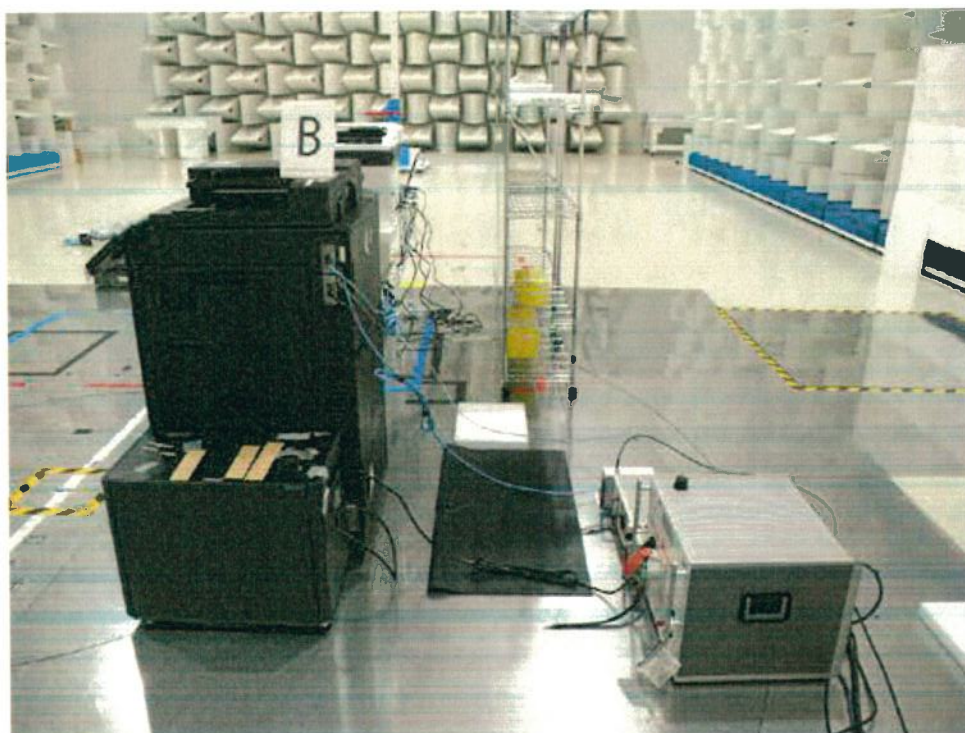
Conducted disturbance

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 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 1 February, 2016

Temperature ..... : 22°C

Humidity ..... : 52%

Atom. Pressure ..... : 1012hPa

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	<b>Pass</b>			<b>Pass</b>
5	1.14 A				
7	0.77 A		2	1.08 A	
9	0.40 A		4	0.43 A	
11	0.33 A		6	0.30 A	
13	0.21 A		8 ≤ n ≤ 40	0.23 x 8 / n A	
15 ≤ n < 40	0.15 x 8 / n A				

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



# TASKalfa 6002i (Average)

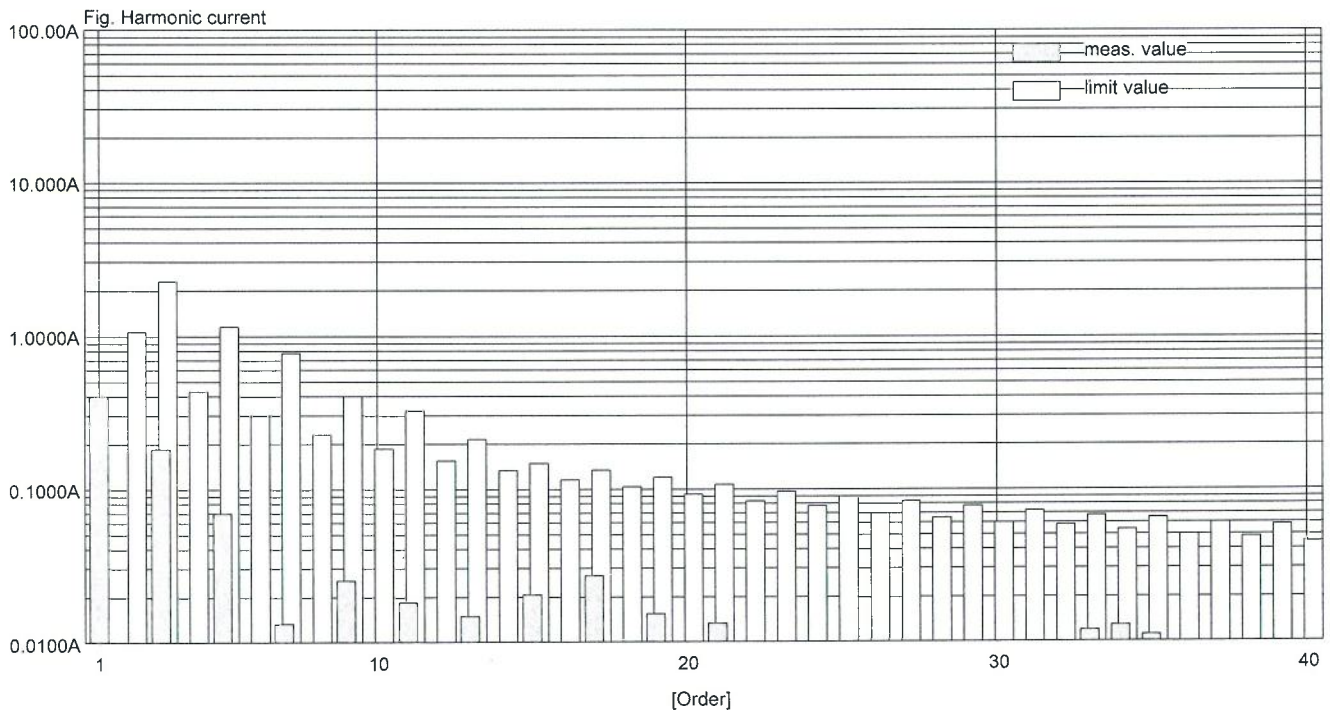
Print Date : Mon Feb 01 16:58:09 2016  
 MeasureDate : Mon Feb 01 16:55:04 2016  
 Comment : Standby  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 0.4525 A  
 Voltage(rms) : 229.70 V  
 Frequency : 50.000 Hz  
 Power Factor : 0.6533  
 POHC Limit : 0.2514 A  
 POHC Max : 0.0267 A  
 THC : 0.2081 A

## PASS

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 68.0792 W  
 Sigma PF : 0.6533  
 Distortion factor(V) : 0.15 %  
 V THDS : 0.15 %  
 V THDG : 0.15 %  
 Distortion factor(A) : 51.30 %  
 A THDS : 51.31 %  
 A THDG : 51.79 %  
 P THD : 0.04 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.4018			2	0.0018	1.0800	99.8
3	0.1867	2.3000	91.9	4	0.0012	0.4300	99.7
5	0.0686	1.1400	94.0	6	0.0010	0.3000	99.7
7	0.0132	0.7700	98.3	8	0.0010	0.2300	99.6
9	0.0251	0.4000	93.7	10	0.0009	0.1840	99.5
11	0.0187	0.3300	94.3	12	0.0011	0.1533	99.3
13	0.0147	0.2100	93.0	14	0.0012	0.1314	99.1
15	0.0206	0.1500	86.3	16	0.0021	0.1150	98.2
17	0.0279	0.1324	78.9	18	0.0030	0.1022	97.1
19	0.0154	0.1184	87.0	20	0.0013	0.0920	98.6
21	0.0134	0.1071	87.5	22	0.0009	0.0836	98.9
23	0.0083	0.0978	91.5	24	0.0010	0.0767	98.8
25	0.0057	0.0900	93.6	26	0.0010	0.0708	98.6
27	0.0021	0.0833	97.5	28	0.0009	0.0657	98.7
29	0.0047	0.0776	94.0	30	0.0009	0.0613	98.5
31	0.0039	0.0726	94.7	32	0.0011	0.0575	98.1
33	0.0120	0.0682	82.5	34	0.0131	0.0541	75.8
35	0.0112	0.0643	82.6	36	0.0013	0.0511	97.5
37	0.0081	0.0608	86.6	38	0.0014	0.0484	97.2
39	0.0068	0.0577	88.3	40	0.0016	0.0460	96.5



# TASKalfa 6002i (Maximum)

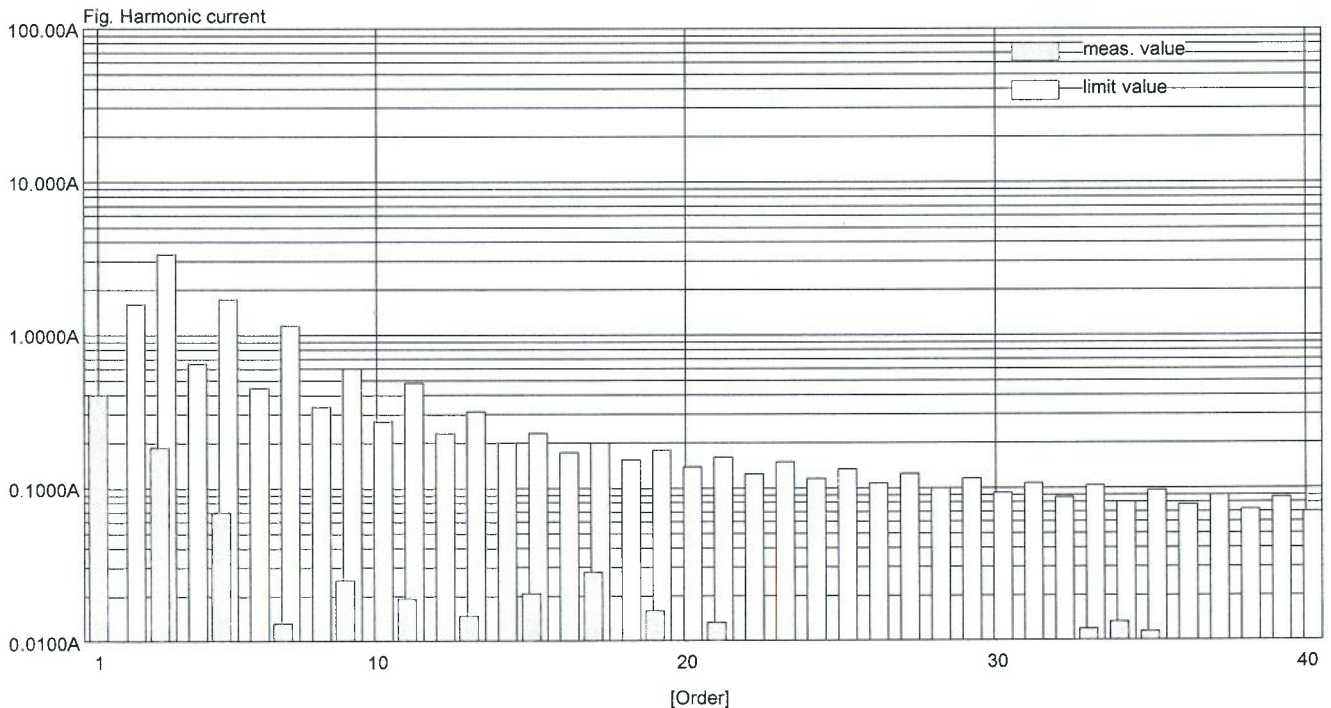
Print Date : Mon Feb 01 16:58:09 2016  
 MeasureDate : Mon Feb 01 16:55:04 2016  
 Comment : Standby  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 0.4532 A  
 Voltage(rms) : 229.70 V  
 Frequency : 50.010 Hz  
 Power Factor : 0.6540  
 Beyond Limit Time : 14.9999 s  
 Beyond Total Time : 0.0000 s  
 THC : 0.2084 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 68.0792 W  
 Sigma PF : 0.6540  
 Distortion factor(V) : 0.15 %  
 V THDS : 0.15 %  
 V THDG : 0.15 %  
 Distortion factor(A) : 51.44 %  
 A THDS : 51.46 %  
 A THDG : 51.93 %  
 P THD : 0.05 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.4024			2	0.0022	1.6200	99.9
3	0.1872	3.4500	94.6	4	0.0013	0.6450	99.8
5	0.0687	1.7100	96.0	6	0.0011	0.4500	99.7
7	0.0133	1.1550	98.8	8	0.0011	0.3450	99.7
9	0.0252	0.6000	95.8	10	0.0011	0.2760	99.6
11	0.0189	0.4950	96.2	12	0.0013	0.2300	99.4
13	0.0148	0.3150	95.3	14	0.0014	0.1971	99.3
15	0.0207	0.2250	90.8	16	0.0023	0.1725	98.7
17	0.0281	0.1985	85.9	18	0.0031	0.1533	97.9
19	0.0157	0.1776	91.1	20	0.0015	0.1380	98.9
21	0.0135	0.1607	91.6	22	0.0010	0.1255	99.2
23	0.0085	0.1467	94.2	24	0.0011	0.1150	99.0
25	0.0059	0.1350	95.6	26	0.0011	0.1062	99.0
27	0.0023	0.1250	98.2	28	0.0010	0.0986	99.0
29	0.0048	0.1164	95.9	30	0.0010	0.0920	98.9
31	0.0041	0.1089	96.2	32	0.0012	0.0862	98.6
33	0.0121	0.1023	88.2	34	0.0133	0.0812	83.6
35	0.0114	0.0964	88.2	36	0.0015	0.0767	98.1
37	0.0083	0.0912	90.9	38	0.0015	0.0726	97.9
39	0.0070	0.0865	91.9	40	0.0018	0.0690	97.4



# TASKalfa 6002i (Average)

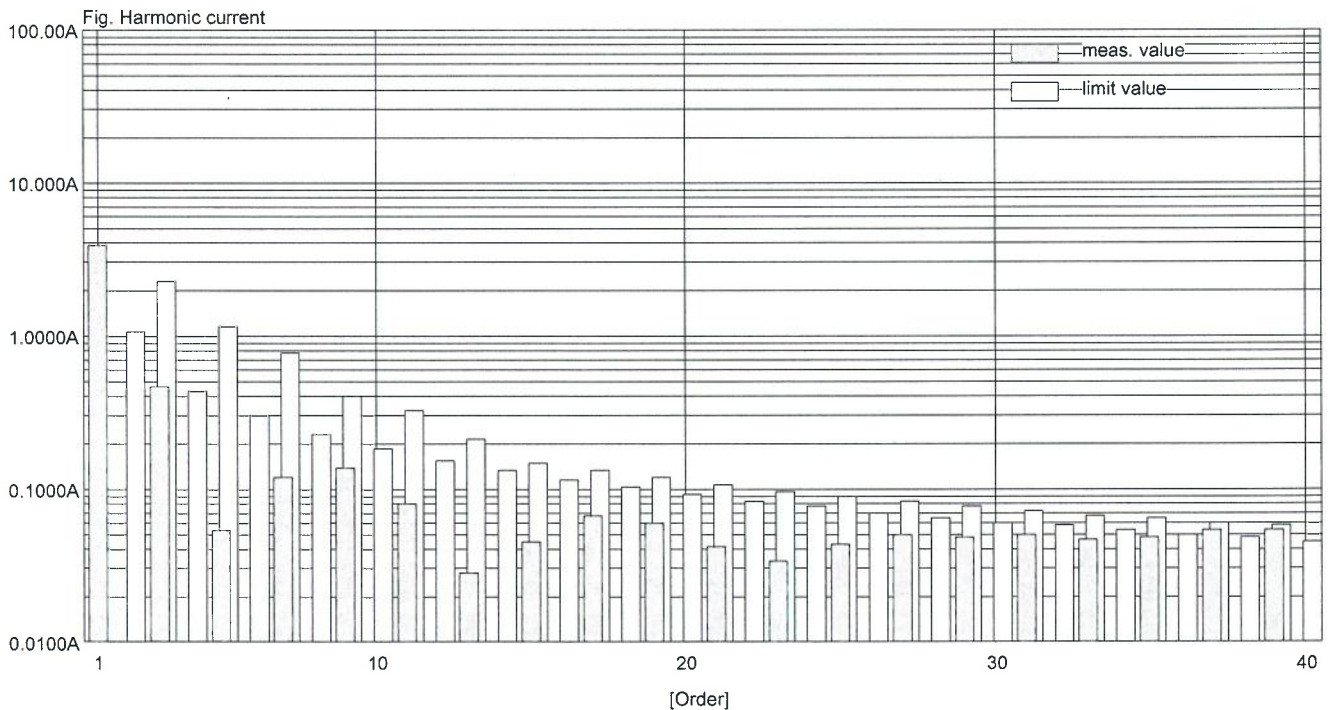
Print Date : Mon Feb 01 17:03:34 2016  
 MeasureDate : Mon Feb 01 17:02:52 2016  
 Comment : Duplex Copy (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 3.9321 A  
 Voltage(rms) : 229.43 V  
 Frequency : 50.000 Hz  
 Power Factor : 0.9655  
 POHC Limit : 0.2514 A  
 POHC Max : 0.1531 A  
 THC : 0.5510 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 908.7783 W  
 Sigma PF : 0.9655  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 14.16 %  
 A THDS : 14.16 %  
 A THDG : 14.16 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.8933			2	0.0049	1.0800	99.5
3	0.4766	2.3000	79.3	4	0.0019	0.4300	99.6
5	0.0552	1.1400	95.2	6	0.0015	0.3000	99.5
7	0.1184	0.7700	84.6	8	0.0016	0.2300	99.3
9	0.1389	0.4000	65.3	10	0.0014	0.1840	99.2
11	0.0805	0.3300	75.6	12	0.0013	0.1533	99.1
13	0.0280	0.2100	86.7	14	0.0012	0.1314	99.1
15	0.0446	0.1500	70.3	16	0.0014	0.1150	98.8
17	0.0673	0.1324	49.2	18	0.0015	0.1022	98.5
19	0.0598	0.1184	49.5	20	0.0015	0.0920	98.4
21	0.0417	0.1071	61.1	22	0.0013	0.0836	98.5
23	0.0345	0.0978	64.8	24	0.0015	0.0767	98.0
25	0.0440	0.0900	51.1	26	0.0018	0.0708	97.5
27	0.0499	0.0833	40.1	28	0.0021	0.0657	96.8
29	0.0485	0.0776	37.5	30	0.0029	0.0613	95.3
31	0.0508	0.0726	30.0	32	0.0025	0.0575	95.7
33	0.0461	0.0682	32.3	34	0.0025	0.0541	95.3
35	0.0492	0.0643	23.5	36	0.0022	0.0511	95.7
37	0.0539	0.0608	11.4	38	0.0025	0.0484	94.9
39	0.0542	0.0577	6.1	40	0.0025	0.0460	94.5





# TASKalfa 6002i (Maximum)

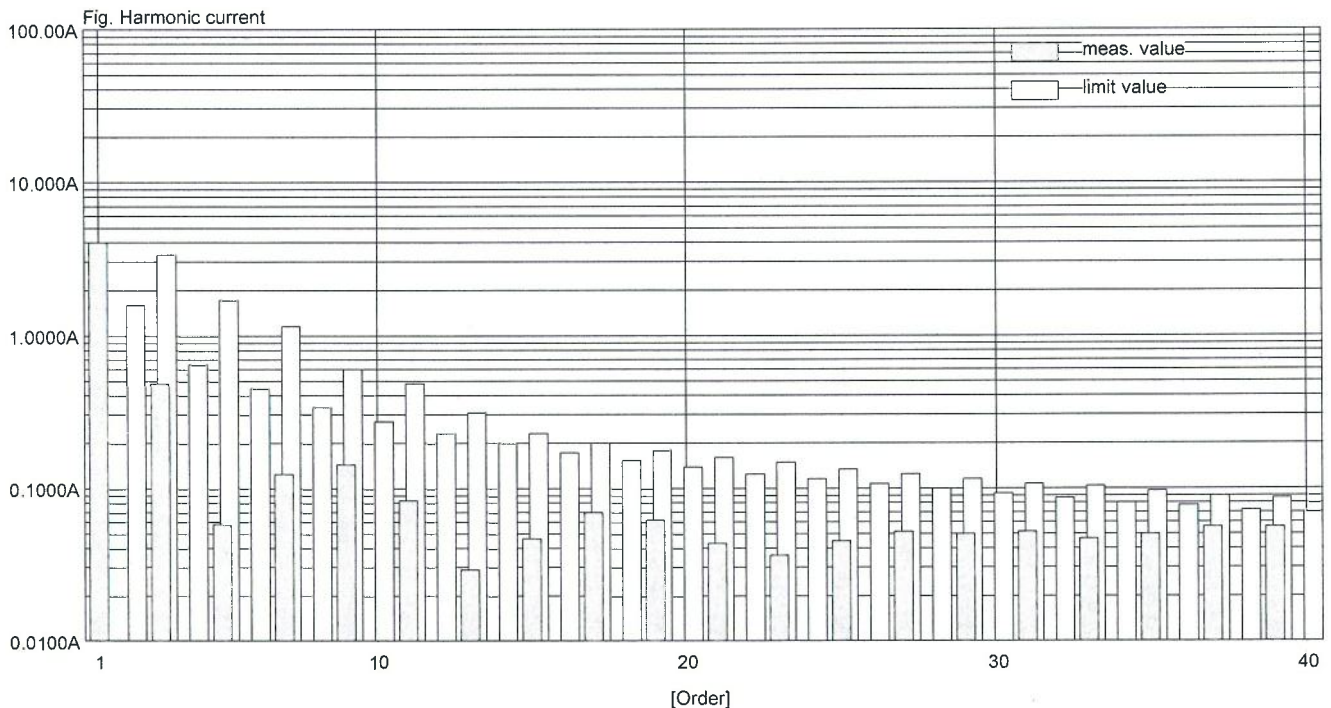
Print Date : Mon Feb 01 17:03:34 2016  
 MeasureDate : Mon Feb 01 17:02:52 2016  
 Comment : Duplex Copy (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 4.0928 A  
 Voltage(rms) : 229.45 V  
 Frequency : 50.009 Hz  
 Power Factor : 0.9679  
 Beyond Limit Time : 14.9999 s  
 Beyond Total Time : 0.0000 s  
 THC : 0.5571 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 908.7783 W  
 Sigma PF : 0.9679  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.08 %  
 Distortion factor(A) : 15.23 %  
 A THDS : 15.23 %  
 A THDG : 15.23 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	4.0546			2	0.0082	1.6200	99.5
3	0.4837	3.4500	86.0	4	0.0035	0.6450	99.5
5	0.0583	1.7100	96.6	6	0.0024	0.4500	99.5
7	0.1236	1.1550	89.3	8	0.0021	0.3450	99.4
9	0.1412	0.6000	76.5	10	0.0021	0.2760	99.3
11	0.0838	0.4950	83.1	12	0.0018	0.2300	99.2
13	0.0290	0.3150	90.8	14	0.0017	0.1971	99.1
15	0.0475	0.2250	78.9	16	0.0018	0.1725	99.0
17	0.0692	0.1985	65.1	18	0.0019	0.1533	98.8
19	0.0627	0.1776	64.7	20	0.0018	0.1380	98.7
21	0.0433	0.1607	73.0	22	0.0016	0.1255	98.7
23	0.0363	0.1467	75.3	24	0.0018	0.1150	98.4
25	0.0455	0.1350	66.3	26	0.0022	0.1062	98.0
27	0.0522	0.1250	58.3	28	0.0027	0.0986	97.3
29	0.0509	0.1164	56.2	30	0.0035	0.0920	96.2
31	0.0525	0.1089	51.8	32	0.0031	0.0862	96.5
33	0.0476	0.1023	53.5	34	0.0030	0.0812	96.3
35	0.0505	0.0964	47.7	36	0.0025	0.0767	96.7
37	0.0555	0.0912	39.1	38	0.0029	0.0726	96.0
39	0.0565	0.0865	34.7	40	0.0029	0.0690	95.8



# TASKalfa 6002i (Average)

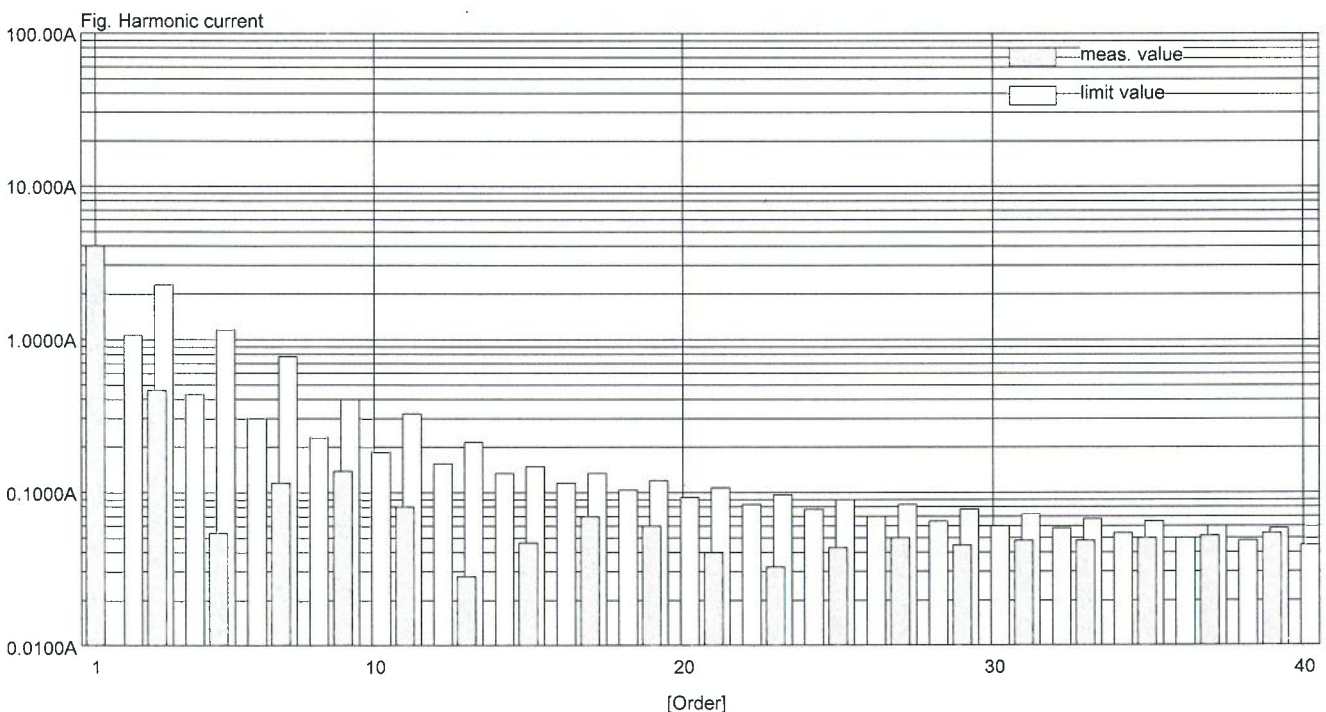
Print Date : Mon Feb 01 17:08:36 2016  
 MeasureDate : Mon Feb 01 17:08:19 2016  
 Comment : Duplex Copy (A4 S)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 4.1054 A  
 Voltage(rms) : 229.41 V  
 Frequency : 50.000 Hz  
 Power Factor : 0.9683  
 POHC Limit : 0.2514 A  
 POHC Max : 0.1629 A  
 THC : 0.5485 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 943.7935 W  
 Sigma PF : 0.9683  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 13.45 %  
 A THDS : 13.45 %  
 A THDG : 13.46 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	4.0685			2	0.0055	1.0800	99.5
3	0.4754	2.3000	79.3	4	0.0040	0.4300	99.1
5	0.0537	1.1400	95.3	6	0.0019	0.3000	99.4
7	0.1155	0.7700	85.0	8	0.0022	0.2300	99.1
9	0.1364	0.4000	65.9	10	0.0021	0.1840	98.9
11	0.0796	0.3300	75.9	12	0.0014	0.1533	99.1
13	0.0284	0.2100	86.5	14	0.0016	0.1314	98.8
15	0.0472	0.1500	68.5	16	0.0017	0.1150	98.5
17	0.0702	0.1324	46.9	18	0.0016	0.1022	98.5
19	0.0606	0.1184	48.8	20	0.0017	0.0920	98.1
21	0.0403	0.1071	62.4	22	0.0014	0.0836	98.3
23	0.0330	0.0978	66.3	24	0.0016	0.0767	97.9
25	0.0435	0.0900	51.7	26	0.0019	0.0708	97.3
27	0.0497	0.0833	40.4	28	0.0026	0.0657	96.0
29	0.0456	0.0776	41.3	30	0.0028	0.0613	95.5
31	0.0481	0.0726	33.7	32	0.0027	0.0575	95.3
33	0.0479	0.0682	29.7	34	0.0025	0.0541	95.4
35	0.0501	0.0643	22.0	36	0.0022	0.0511	95.7
37	0.0529	0.0608	13.0	38	0.0024	0.0484	95.0
39	0.0535	0.0577	7.2	40	0.0025	0.0460	94.7





# TASKalfa 6002i (Maximum)

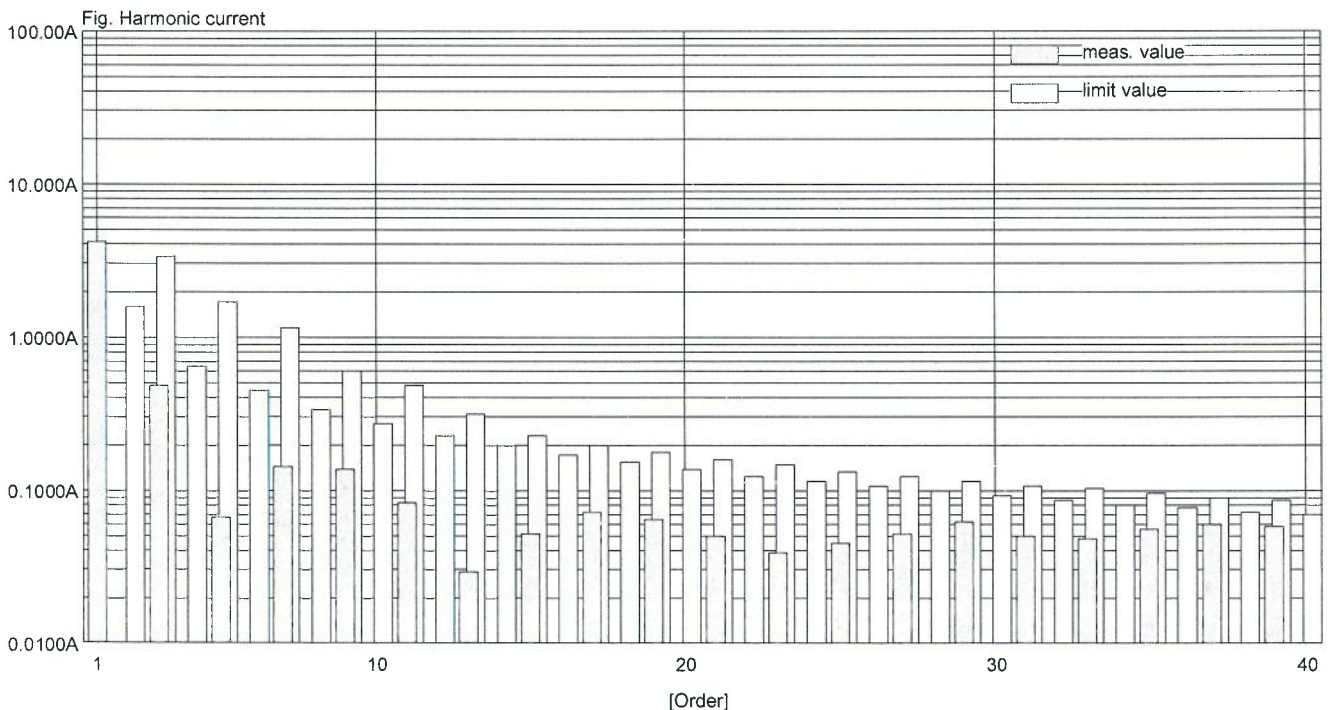
Print Date : Mon Feb 01 17:08:36 2016  
 MeasureDate : Mon Feb 01 17:08:19 2016  
 Comment : Duplex Copy (A4 S)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 4.2407 A  
 Voltage(rms) : 229.50 V  
 Frequency : 50.008 Hz  
 Power Factor : 0.9702  
 Beyond Limit Time : 14.9999 s  
 Beyond Total Time : 0.0000 s  
 THC : 0.5585 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 943.7935 W  
 Sigma PF : 0.9702  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 16.08 %  
 A THDS : 16.10 %  
 A THDG : 16.16 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	4.2050			2	0.0088	1.6200	99.5
3	0.4860	3.4500	85.9	4	0.0075	0.6450	98.8
5	0.0675	1.7100	96.1	6	0.0032	0.4500	99.3
7	0.1413	1.1550	87.8	8	0.0036	0.3450	99.0
9	0.1397	0.6000	76.7	10	0.0034	0.2760	98.8
11	0.0840	0.4950	83.0	12	0.0020	0.2300	99.1
13	0.0289	0.3150	90.8	14	0.0026	0.1971	98.7
15	0.0517	0.2250	77.0	16	0.0024	0.1725	98.6
17	0.0723	0.1985	63.6	18	0.0020	0.1533	98.7
19	0.0638	0.1776	64.1	20	0.0025	0.1380	98.2
21	0.0509	0.1607	68.3	22	0.0018	0.1255	98.6
23	0.0392	0.1467	73.3	24	0.0020	0.1150	98.3
25	0.0458	0.1350	66.1	26	0.0028	0.1062	97.4
27	0.0522	0.1250	58.2	28	0.0035	0.0986	96.5
29	0.0632	0.1164	45.7	30	0.0036	0.0920	96.1
31	0.0503	0.1089	53.8	32	0.0033	0.0862	96.2
33	0.0489	0.1023	52.2	34	0.0030	0.0812	96.3
35	0.0555	0.0964	42.5	36	0.0029	0.0767	96.2
37	0.0594	0.0912	34.9	38	0.0033	0.0726	95.5
39	0.0593	0.0865	31.4	40	0.0032	0.0690	95.3



# TASKalfa 6002i (Average)

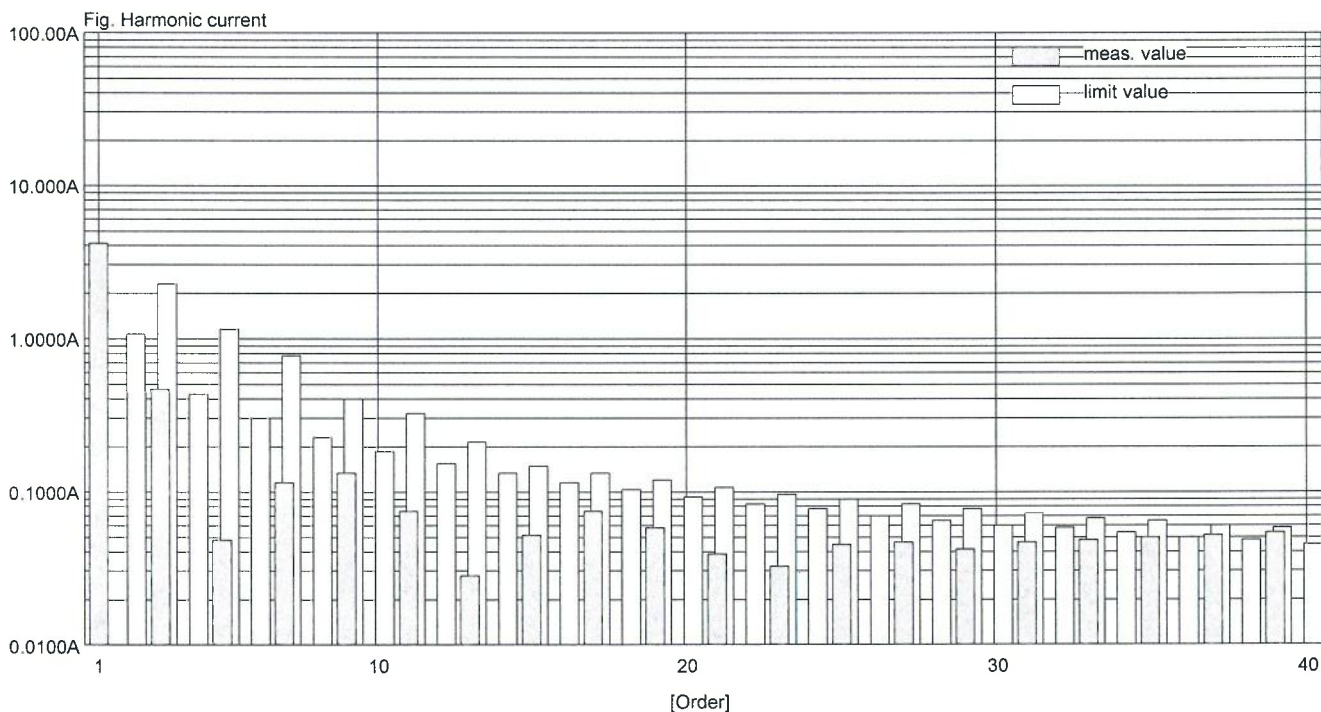
Print Date : Mon Feb 01 17:14:44 2016  
 MeasureDate : Mon Feb 01 17:13:38 2016  
 Comment : 1 Side Copy (A4 S)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 4.2333 A  
 Voltage(rms) : 229.41 V  
 Frequency : 50.000 Hz  
 Power Factor : 0.9703  
 POHC Limit : 0.2514 A  
 POHC Max : 0.1490 A  
 THC : 0.5400 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 965.0491 W  
 Sigma PF : 0.9703  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 12.86 %  
 A THDS : 12.86 %  
 A THDG : 12.86 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	4.1987			2	0.0048	1.0800	99.6
3	0.4677	2.3000	79.7	4	0.0021	0.4300	99.5
5	0.0490	1.1400	95.7	6	0.0022	0.3000	99.3
7	0.1148	0.7700	85.1	8	0.0015	0.2300	99.3
9	0.1320	0.4000	67.0	10	0.0017	0.1840	99.1
11	0.0755	0.3300	77.1	12	0.0013	0.1533	99.2
13	0.0287	0.2100	86.3	14	0.0015	0.1314	98.9
15	0.0516	0.1500	65.6	16	0.0014	0.1150	98.7
17	0.0738	0.1324	44.2	18	0.0017	0.1022	98.3
19	0.0593	0.1184	50.0	20	0.0015	0.0920	98.4
21	0.0398	0.1071	62.9	22	0.0012	0.0836	98.5
23	0.0331	0.0978	66.1	24	0.0016	0.0767	97.9
25	0.0455	0.0900	49.5	26	0.0019	0.0708	97.3
27	0.0467	0.0833	44.0	28	0.0021	0.0657	96.9
29	0.0424	0.0776	45.4	30	0.0027	0.0613	95.6
31	0.0462	0.0726	36.3	32	0.0025	0.0575	95.6
33	0.0496	0.0682	27.3	34	0.0023	0.0541	95.8
35	0.0502	0.0643	21.8	36	0.0022	0.0511	95.8
37	0.0521	0.0608	14.4	38	0.0024	0.0484	95.1
39	0.0552	0.0577	4.3	40	0.0023	0.0460	95.0



# TASKalfa 6002i (Maximum)

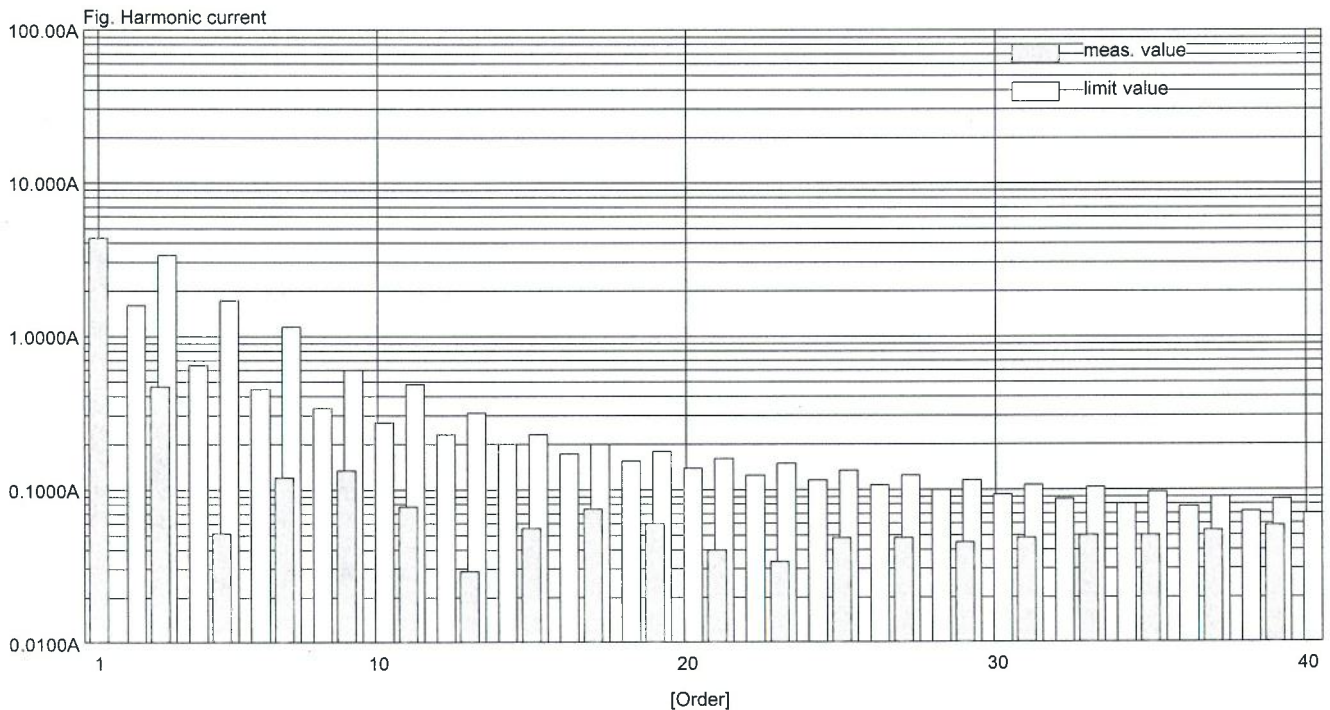
Print Date : Mon Feb 01 17:14:44 2016  
 MeasureDate : Mon Feb 01 17:13:38 2016  
 Comment : 1 Side Copy (A4 S)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 4.3303 A  
 Voltage(rms) : 229.42 V  
 Frequency : 50.010 Hz  
 Power Factor : 0.9715  
 Beyond Limit Time : 14.9999 s  
 Beyond Total Time : 0.0000 s  
 THC : 0.5450 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 965.0491 W  
 Sigma PF : 0.9715  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.08 %  
 Distortion factor(A) : 14.29 %  
 A THDS : 14.29 %  
 A THDG : 14.29 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	4.2962			2	0.0068	1.6200	99.6
3	0.4731	3.4500	86.3	4	0.0031	0.6450	99.5
5	0.0519	1.7100	97.0	6	0.0033	0.4500	99.3
7	0.1202	1.1550	89.6	8	0.0021	0.3450	99.4
9	0.1348	0.6000	77.5	10	0.0026	0.2760	99.1
11	0.0780	0.4950	84.2	12	0.0017	0.2300	99.3
13	0.0291	0.3150	90.8	14	0.0021	0.1971	98.9
15	0.0561	0.2250	75.1	16	0.0018	0.1725	98.9
17	0.0749	0.1985	62.3	18	0.0021	0.1533	98.6
19	0.0609	0.1776	65.7	20	0.0018	0.1380	98.7
21	0.0403	0.1607	74.9	22	0.0016	0.1255	98.7
23	0.0336	0.1467	77.1	24	0.0020	0.1150	98.2
25	0.0479	0.1350	64.5	26	0.0025	0.1062	97.7
27	0.0487	0.1250	61.1	28	0.0028	0.0986	97.2
29	0.0461	0.1164	60.4	30	0.0033	0.0920	96.4
31	0.0480	0.1089	56.0	32	0.0031	0.0862	96.4
33	0.0502	0.1023	50.9	34	0.0027	0.0812	96.7
35	0.0508	0.0964	47.4	36	0.0026	0.0767	96.7
37	0.0538	0.0912	41.0	38	0.0026	0.0726	96.4
39	0.0576	0.0865	33.5	40	0.0026	0.0690	96.2





# TASKalfa 6002i (Average)

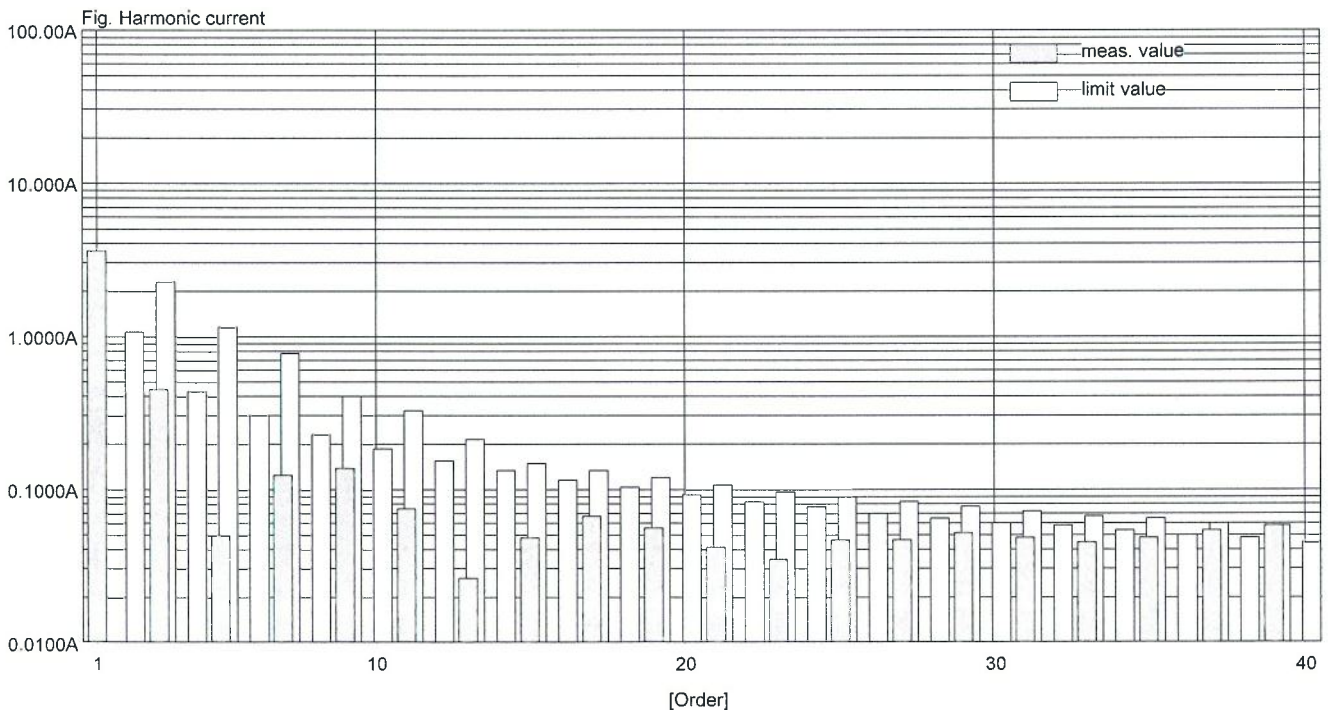
Print Date : Mon Feb 01 17:21:48 2016  
 MeasureDate : Mon Feb 01 17:21:11 2016  
 Comment : 1 Side Copy (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 3.7377 A  
 Voltage(rms) : 229.45 V  
 Frequency : 50.000 Hz  
 Power Factor : 0.9627  
 POHC Limit : 0.2514 A  
 POHC Max : 0.1550 A  
 THC : 0.5375 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 844.1107 W  
 Sigma PF : 0.9627  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 14.53 %  
 A THDS : 14.54 %  
 A THDG : 14.54 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.6989			2	0.0044	1.0800	99.6
3	0.4605	2.3000	80.0	4	0.0018	0.4300	99.6
5	0.0508	1.1400	95.5	6	0.0020	0.3000	99.3
7	0.1263	0.7700	83.6	8	0.0014	0.2300	99.4
9	0.1365	0.4000	65.9	10	0.0015	0.1840	99.2
11	0.0746	0.3300	77.4	12	0.0012	0.1533	99.2
13	0.0265	0.2100	87.4	14	0.0014	0.1314	98.9
15	0.0485	0.1500	67.7	16	0.0013	0.1150	98.9
17	0.0675	0.1324	49.0	18	0.0015	0.1022	98.5
19	0.0556	0.1184	53.1	20	0.0014	0.0920	98.5
21	0.0419	0.1071	60.9	22	0.0013	0.0836	98.5
23	0.0355	0.0978	63.7	24	0.0016	0.0767	97.9
25	0.0472	0.0900	47.5	26	0.0019	0.0708	97.3
27	0.0465	0.0833	44.2	28	0.0019	0.0657	97.1
29	0.0521	0.0776	32.9	30	0.0025	0.0613	95.9
31	0.0490	0.0726	32.5	32	0.0024	0.0575	95.8
33	0.0453	0.0682	33.6	34	0.0024	0.0541	95.6
35	0.0494	0.0643	23.2	36	0.0023	0.0511	95.5
37	0.0539	0.0608	11.4	38	0.0026	0.0484	94.6
39	0.0584	0.0577	- 1.2	40	0.0024	0.0460	94.7



# TASKalfa 6002i (Maximum)

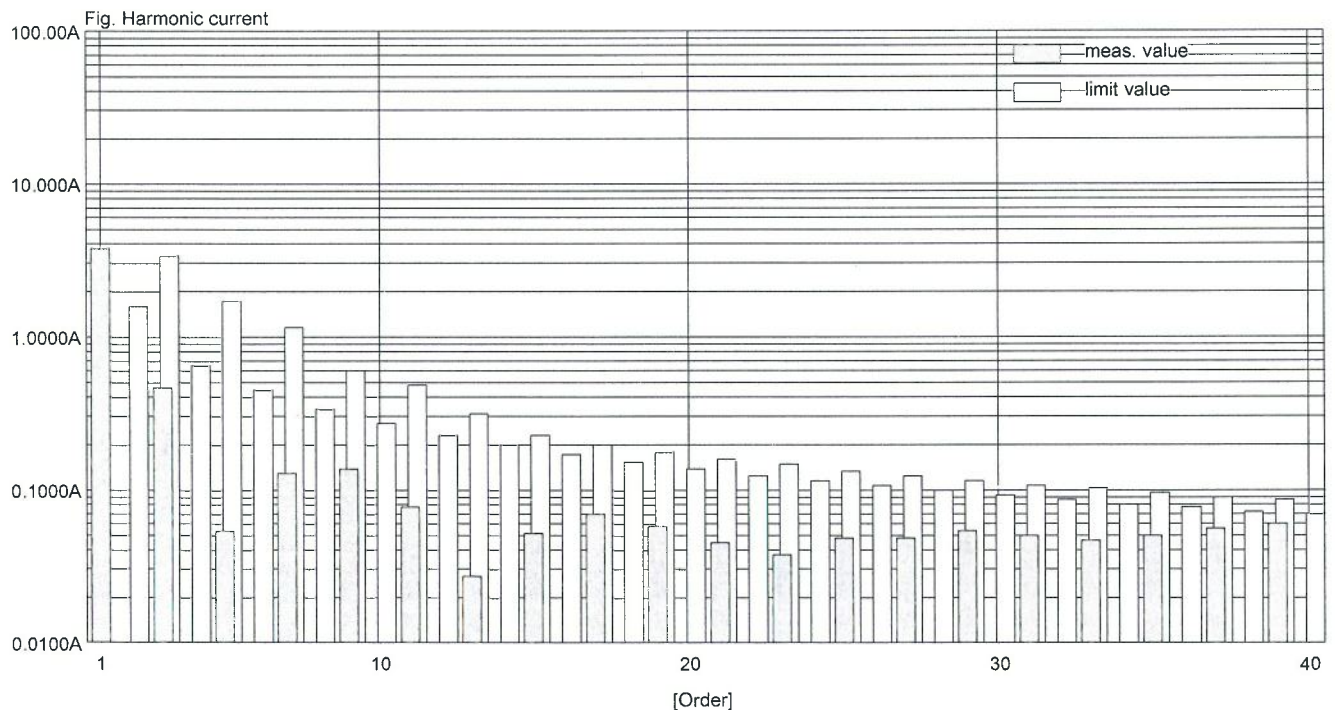
Print Date : Mon Feb 01 17:21:48 2016  
 MeasureDate : Mon Feb 01 17:21:11 2016  
 Comment : 1 Side Copy (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 3.8165 A  
 Voltage(rms) : 229.47 V  
 Frequency : 50.010 Hz  
 Power Factor : 0.9639  
 Beyond Limit Time : -----  
 Beyond Total Time : -----  
 THC : 0.5453 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 844.1107 W  
 Sigma PF : 0.9639  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 15.45 %  
 A THDS : 15.45 %  
 A THDG : 15.46 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.7775			2	0.0066	1.6200	99.6
3	0.4688	3.4500	86.4	4	0.0030	0.6450	99.5
5	0.0548	1.7100	96.8	6	0.0030	0.4500	99.3
7	0.1307	1.1550	88.7	8	0.0020	0.3450	99.4
9	0.1393	0.6000	76.8	10	0.0022	0.2760	99.2
11	0.0780	0.4950	84.2	12	0.0017	0.2300	99.3
13	0.0275	0.3150	91.3	14	0.0020	0.1971	99.0
15	0.0521	0.2250	76.9	16	0.0018	0.1725	98.9
17	0.0688	0.1985	65.4	18	0.0020	0.1533	98.7
19	0.0573	0.1776	67.7	20	0.0017	0.1380	98.7
21	0.0445	0.1607	72.3	22	0.0016	0.1255	98.7
23	0.0376	0.1467	74.4	24	0.0021	0.1150	98.2
25	0.0482	0.1350	64.3	26	0.0026	0.1062	97.6
27	0.0488	0.1250	60.9	28	0.0028	0.0986	97.2
29	0.0545	0.1164	53.2	30	0.0032	0.0920	96.5
31	0.0506	0.1089	53.5	32	0.0029	0.0862	96.6
33	0.0462	0.1023	54.8	34	0.0027	0.0812	96.6
35	0.0503	0.0964	47.8	36	0.0026	0.0767	96.6
37	0.0556	0.0912	39.1	38	0.0030	0.0726	95.8
39	0.0605	0.0865	30.1	40	0.0028	0.0690	96.0





# TASKalfa 6002i (Average)

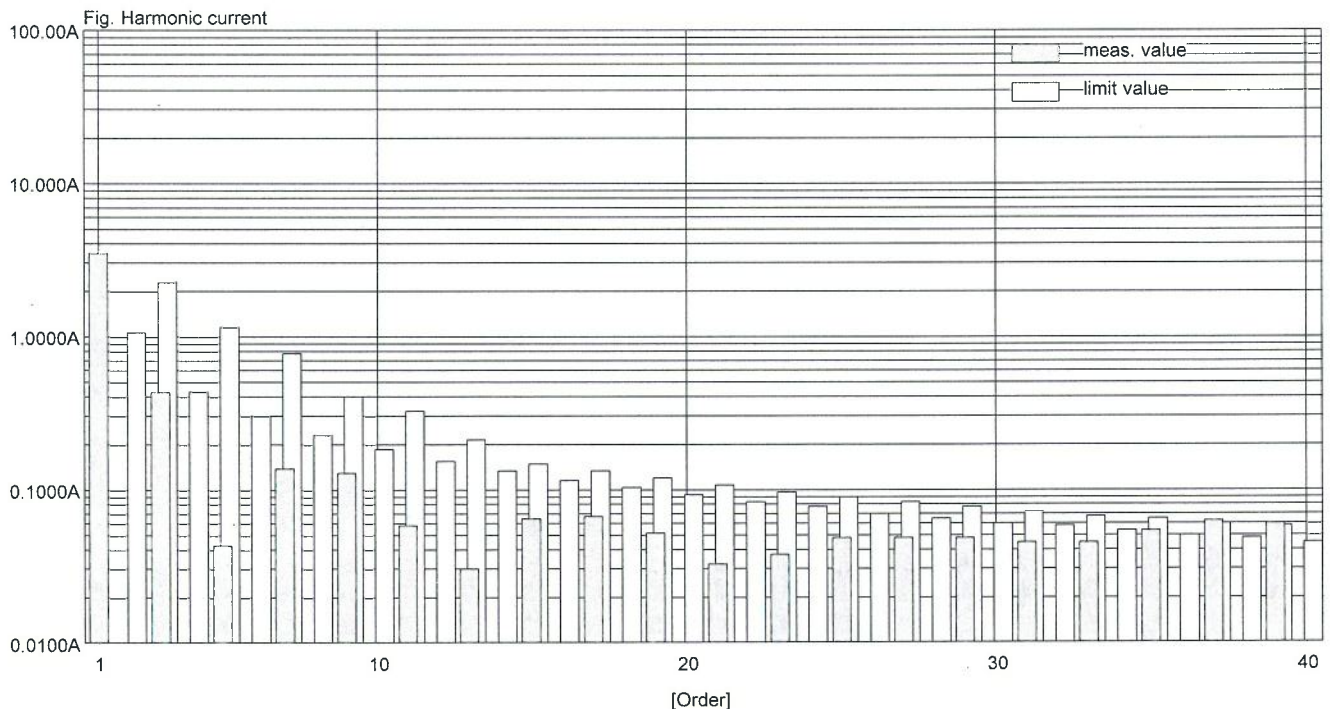
Print Date : Mon Feb 01 17:27:44 2016  
 MeasureDate : Mon Feb 01 17:26:57 2016  
 Comment : 1 Side Print (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 3.5787 A  
 Voltage(rms) : 229.47 V  
 Frequency : 50.000 Hz  
 Power Factor : 0.9604  
 POHC Limit : 0.2514 A  
 POHC Max : 0.1572 A  
 THC : 0.5143 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 803.0553 W  
 Sigma PF : 0.9604  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 14.52 %  
 A THDS : 14.52 %  
 A THDG : 14.53 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.5416			2	0.0039	1.0800	99.6
3	0.4322	2.3000	81.2	4	0.0017	0.4300	99.6
5	0.0431	1.1400	96.2	6	0.0014	0.3000	99.5
7	0.1405	0.7700	81.7	8	0.0013	0.2300	99.4
9	0.1271	0.4000	68.2	10	0.0012	0.1840	99.3
11	0.0590	0.3300	82.1	12	0.0013	0.1533	99.2
13	0.0304	0.2100	85.5	14	0.0013	0.1314	99.0
15	0.0645	0.1500	57.0	16	0.0012	0.1150	98.9
17	0.0668	0.1324	49.5	18	0.0013	0.1022	98.7
19	0.0516	0.1184	56.4	20	0.0012	0.0920	98.7
21	0.0327	0.1071	69.4	22	0.0014	0.0836	98.3
23	0.0385	0.0978	60.6	24	0.0016	0.0767	97.9
25	0.0485	0.0900	46.1	26	0.0015	0.0708	97.9
27	0.0492	0.0833	41.0	28	0.0020	0.0657	96.9
29	0.0482	0.0776	37.9	30	0.0023	0.0613	96.3
31	0.0448	0.0726	38.3	32	0.0022	0.0575	96.3
33	0.0453	0.0682	33.5	34	0.0024	0.0541	95.5
35	0.0537	0.0643	16.5	36	0.0024	0.0511	95.3
37	0.0625	0.0608	- 2.7	38	0.0025	0.0484	94.9
39	0.0607	0.0577	- 5.1	40	0.0025	0.0460	94.6



# TASKalfa 6002i (Maximum)

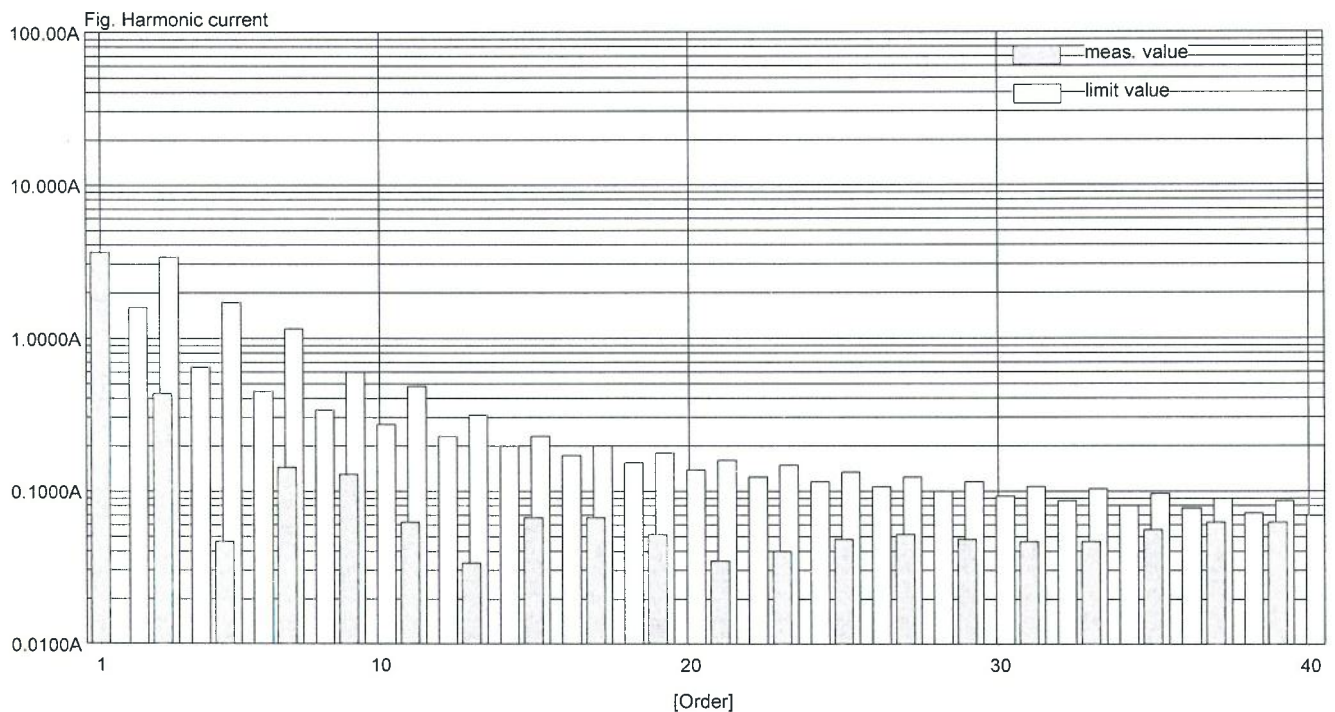
Print Date : Mon Feb 01 17:27:44 2016  
 MeasureDate : Mon Feb 01 17:26:57 2016  
 Comment : 1 Side Print (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

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) : 3.6393 A  
 Voltage(rms) : 229.48 V  
 Frequency : 50.008 Hz  
 Power Factor : 0.9617  
 Beyond Limit Time : -----  
 Beyond Total Time : -----  
 THC : 0.5167 A

## PASS

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 803.0553 W  
 Sigma PF : 0.9617  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 16.09 %  
 A THDS : 16.09 %  
 A THDG : 16.10 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.6028			2	0.0079	1.6200	99.5
3	0.4353	3.4500	87.4	4	0.0030	0.6450	99.5
5	0.0475	1.7100	97.2	6	0.0026	0.4500	99.4
7	0.1440	1.1550	87.5	8	0.0027	0.3450	99.2
9	0.1291	0.6000	78.5	10	0.0021	0.2760	99.2
11	0.0615	0.4950	87.6	12	0.0023	0.2300	99.0
13	0.0336	0.3150	89.3	14	0.0025	0.1971	98.7
15	0.0675	0.2250	70.0	16	0.0025	0.1725	98.5
17	0.0676	0.1985	65.9	18	0.0020	0.1533	98.7
19	0.0529	0.1776	70.2	20	0.0020	0.1380	98.6
21	0.0351	0.1607	78.2	22	0.0018	0.1255	98.5
23	0.0403	0.1467	72.6	24	0.0022	0.1150	98.0
25	0.0490	0.1350	63.7	26	0.0027	0.1062	97.5
27	0.0515	0.1250	58.8	28	0.0034	0.0986	96.5
29	0.0493	0.1164	57.6	30	0.0030	0.0920	96.7
31	0.0461	0.1089	57.6	32	0.0031	0.0862	96.5
33	0.0470	0.1023	54.1	34	0.0027	0.0812	96.7
35	0.0557	0.0964	42.3	36	0.0026	0.0767	96.6
37	0.0634	0.0912	30.5	38	0.0030	0.0726	95.9
39	0.0627	0.0865	27.6	40	0.0028	0.0690	95.9



# TASKalfa 6002i (Average)

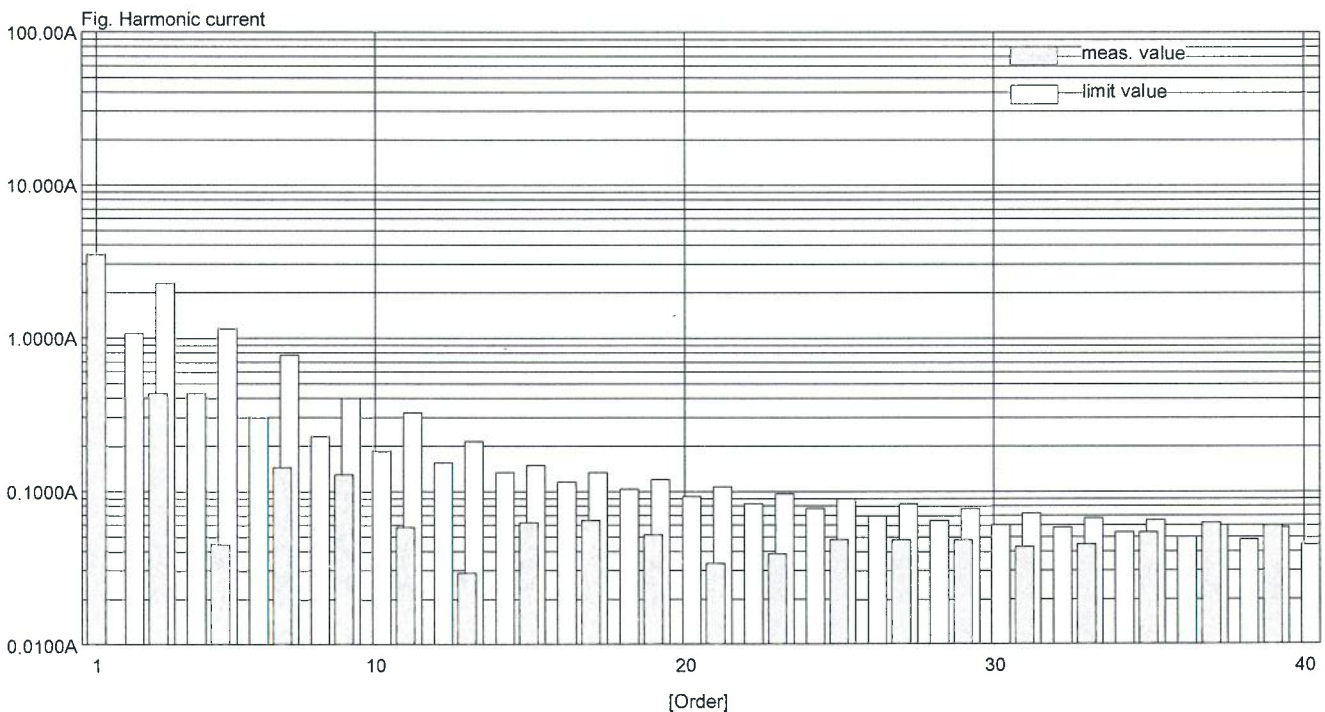
Print Date : Mon Feb 01 17:45:33 2016  
 MeasureDate : Mon Feb 01 17:45:13 2016  
 Comment : Duplex Print (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

Regulation : IEC61000-3-2 Ed3.0 am2  
 IEC61000-4-7 Ed2.0 A1  
 Class : CLASS A  
 MeasureTime : 149.80sec  
 Model : YOKOGAWA WT3000  
 Rating Voltage : 230.00 V  
 Wiring : single-phase 2-wire  
 Element : 1  
 Range : 300V/30A  
 Current(rms) : 3.5197 A  
 Voltage(rms) : 229.47 V  
 Frequency : 50.000 Hz  
 Power Factor : 0.9594  
 POHC Limit : 0.2514 A  
 POHC Max : 0.1578 A  
 THC : 0.5147 A

**PASS**

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 812.4550 W  
 Sigma PF : 0.9594  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 14.79 %  
 A THDS : 14.80 %  
 A THDG : 14.80 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.4818			2	0.0046	1.0800	99.6
3	0.4320	2.3000	81.2	4	0.0029	0.4300	99.3
5	0.0454	1.1400	96.0	6	0.0020	0.3000	99.3
7	0.1417	0.7700	81.6	8	0.0018	0.2300	99.2
9	0.1282	0.4000	68.0	10	0.0014	0.1840	99.2
11	0.0590	0.3300	82.1	12	0.0016	0.1533	99.0
13	0.0299	0.2100	85.8	14	0.0016	0.1314	98.8
15	0.0628	0.1500	58.1	16	0.0013	0.1150	98.8
17	0.0658	0.1324	50.3	18	0.0015	0.1022	98.5
19	0.0516	0.1184	56.4	20	0.0013	0.0920	98.6
21	0.0336	0.1071	68.7	22	0.0015	0.0836	98.2
23	0.0390	0.0978	60.1	24	0.0017	0.0767	97.7
25	0.0490	0.0900	45.5	26	0.0018	0.0708	97.4
27	0.0496	0.0833	40.5	28	0.0021	0.0657	96.8
29	0.0487	0.0776	37.2	30	0.0024	0.0613	96.0
31	0.0440	0.0726	39.4	32	0.0023	0.0575	96.0
33	0.0453	0.0682	33.6	34	0.0025	0.0541	95.4
35	0.0535	0.0643	16.8	36	0.0025	0.0511	95.2
37	0.0622	0.0608	- 2.3	38	0.0026	0.0484	94.7
39	0.0612	0.0577	- 6.0	40	0.0026	0.0460	94.5





# TASKalfa 6002i (Maximum)

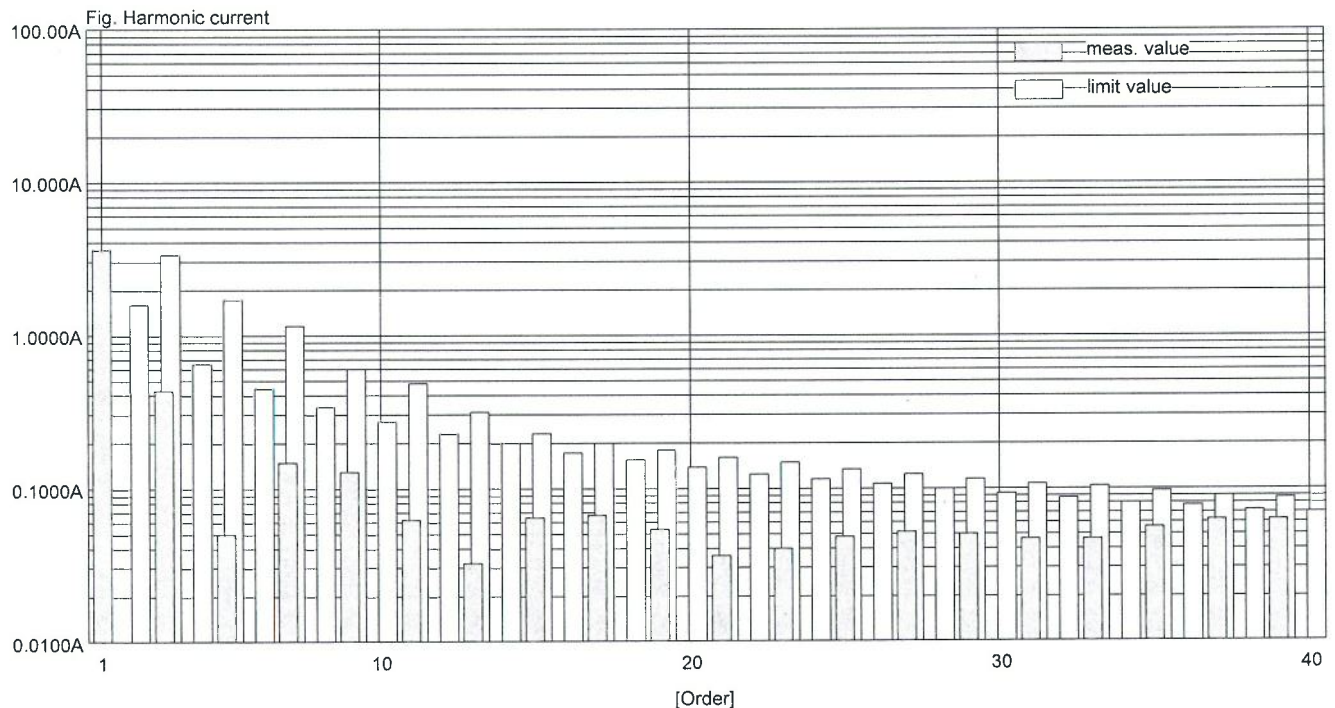
Print Date : Mon Feb 01 17:45:34 2016  
 MeasureDate : Mon Feb 01 17:45:13 2016  
 Comment : Duplex Print (A4 L)  
 (Option) DP-7110, DF-7110, PF-7110, PF-7120, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35

Regulation : IEC61000-3-2 Ed3.0 am2  
 IEC61000-4-7 Ed2.0 A1  
 Class : CLASS A  
 MeasureTime : 149.80sec  
 Model : YOKOGAWA WT3000  
 Rating Voltage : 230.00 V  
 Wiring : single-phase 2-wire  
 Element : 1  
 Range : 300V/30A  
 Current(rms) : 3.6781 A  
 Voltage(rms) : 229.49 V  
 Frequency : 50.009 Hz  
 Power Factor : 0.9627  
 Beyond Limit Time : -----  
 Beyond Total Time : -----  
 THC : 0.5180 A

## PASS

Set Fundamental I : -----  
 Set Power Factor : -----  
 Set P : -----  
 Sigma W Max : 812.4550 W  
 Sigma PF : 0.9627  
 Distortion factor(V) : 0.07 %  
 V THDS : 0.07 %  
 V THDG : 0.07 %  
 Distortion factor(A) : 15.85 %  
 A THDS : 15.85 %  
 A THDG : 15.86 %  
 P THD : 0.01 %  
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	3.6421			2	0.0068	1.6200	99.6
3	0.4363	3.4500	87.4	4	0.0045	0.6450	99.3
5	0.0500	1.7100	97.1	6	0.0029	0.4500	99.4
7	0.1462	1.1550	87.3	8	0.0028	0.3450	99.2
9	0.1303	0.6000	78.3	10	0.0019	0.2760	99.3
11	0.0630	0.4950	87.3	12	0.0022	0.2300	99.0
13	0.0331	0.3150	89.5	14	0.0023	0.1971	98.9
15	0.0658	0.2250	70.8	16	0.0018	0.1725	99.0
17	0.0673	0.1985	66.1	18	0.0022	0.1533	98.6
19	0.0536	0.1776	69.8	20	0.0017	0.1380	98.8
21	0.0365	0.1607	77.3	22	0.0019	0.1255	98.5
23	0.0407	0.1467	72.3	24	0.0022	0.1150	98.1
25	0.0495	0.1350	63.3	26	0.0025	0.1062	97.6
27	0.0519	0.1250	58.5	28	0.0029	0.0986	97.1
29	0.0504	0.1164	56.7	30	0.0031	0.0920	96.7
31	0.0469	0.1089	56.9	32	0.0027	0.0862	96.9
33	0.0469	0.1023	54.1	34	0.0027	0.0812	96.7
35	0.0554	0.0964	42.6	36	0.0028	0.0767	96.4
37	0.0636	0.0912	30.2	38	0.0030	0.0726	95.9
39	0.0630	0.0865	27.2	40	0.0030	0.0690	95.6



*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 4002i / 5002i / 6002i	Z315Y00006
Paper Feeder	PF-7100	Z435X00162
	PF-7110	Z465Y00075
Side Paper Feeder	PF-7120	Z495Y00048
Document Processor	DP-7100	Z995Y00076
	DP-7110	Z9D5Y00087
Finisher	DF-7100	Z3M5Y00048
	DF-7110	Z3T5Y00064
	DF-7120	Z3Q5Y00039
Punch Unit	PH-7C / PH-7D	N373411213
	PH-7120 / PH-7130	Z415Y00019
Multi Tray	MT-730	NB22302326
Booklet Folder	BF-730	N392Y06667
Bridge	AK-7100	Z3W5Y00079
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Wireless Network Unit	IB-35	TEST-1
FAX Kit	FAX System 12	Z9P5Y00007
		Z9P5Y00009

Date ..... : 2 February, 2016

Temperature ..... : 23°C

Humidity ..... : 53%

Atom. Pressure ..... : 1013hPa

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	$d_c \leq 3.3\%$	<b>Pass</b>
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 6002i

Print Date : Tue Feb 02 15:29:35 2016  
MeasureDate : Tue Feb 02 15:18:22 2016  
Comment : Standby  
(Option) DP-7110, DF-7110, PF-7110, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35, IB-50

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 : 229.70V  
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	0.07
2	0.00	0.00	0.00	0.07
3	0.00	0.00	0.00	0.07
4	0.00	0.00	0.00	0.07
5	0.00	0.00	0.00	0.07
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	0.08	0.46	0.00	0.09
11	0.00	0.00	0.00	0.07
12	0.00	0.00	0.00	0.07

Plt  
0.07

TASKalfa 6002i

Print Date : Tue Feb 02 13:15:10 2016  
MeasureDate : Tue Feb 02 13:14:15 2016  
Comment : 1 Side Copy (A4 L)  
(Option) DP-7110, DF-7110, PF-7110, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35, IB-50

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 : 228.48V  
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	0.22	0.42	0.00	0.09
				Plt
				0.04

# TASKalfa 6002i

Print Date : Tue Feb 02 13:02:23 2016  
MeasureDate : Tue Feb 02 13:00:17 2016  
Comment : Duplex Copy (A4 L)  
(Option) DP-7110, DF-7110, PF-7110, AK-7100, MT-730, BF-730, FAX System (12), IB-50, IB-35  
, IB-50

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 : 228.34V  
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	0.15	0.00	0.10
				Plt
				0.04