

SECTION 2

Test Reports of Emission

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

EN55022/2010

Radiated Interference Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Printer	ECOCYS P6035cdn	Z5U4Z00059
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

This test was applied as follows.

(30MHz – 1GHz)

<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 Furuno Labotech International Co., Ltd.
See the attached documents for details.

EN55022/2010

Conducted Interference Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Printer	ECOCYS P6035cdn	Z5U4Z00059
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

This test was applied as follows.

(AC Line)

<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 Furuno Labotech International Co., Ltd.

See the attached documents for details.

Report number: FLI 10-14-159

Project number: FLI 04-14-0533

Test standard(s)/ Test specifications: EN 55022: 2010 Class B

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

Model: Printer

Type: ECOSYS P6035cdn



Serial number: Z5U4Z00059

Power rating: 230 VAC/50 Hz

Date of receipt of samples: 16 December 2014

Test period: From 16 December 2014 to 18 December 2014

Place of test: Furuno 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	WT1500-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
X	HT769	Artificial Mains Network (LISN) (for single phase)	KNW-242F	8-2107-1	Kyoritsu Corp.
--	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
--	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 – indicates instruments used for the tests, -- – not used.

★ECOSYS P6035cdn (EN55022 Class B)

◎EUT

<i>Equipment</i>	<i>Model</i>	<i>S/N</i>	<i>System</i>			<i>Manufacturer</i>
			<i>A</i>	<i>B</i>	<i>C</i>	
Printer	ECOSYS P6035cdn	Z5U4Z00059	●	●	●	Kyocera Document
Paper Feeder	PF-5100	ZC34900236	●	●	●	Kyocera Document
		ZC34900237	●	●	●	Kyocera Document
		ZC34900238	●	●	●	Kyocera Document
Printer NIC	IB-50	TEST-1	●			Kyocera Document
	IB-51	TEST-1			●	Kyocera Document
Hard Disk Drive	HD-7	TEST-1		●		Kyocera Document
PC	OPTIPLEX 380	09097	●	●	●	DELL
HUB	CentreCOM GS908XL	007613G101300195 E1	●	●	●	Allied Telesis
Wireless LAN Adapter	WLI-UC-G301N	420104			●	BUFFALO

◎Operation Modes

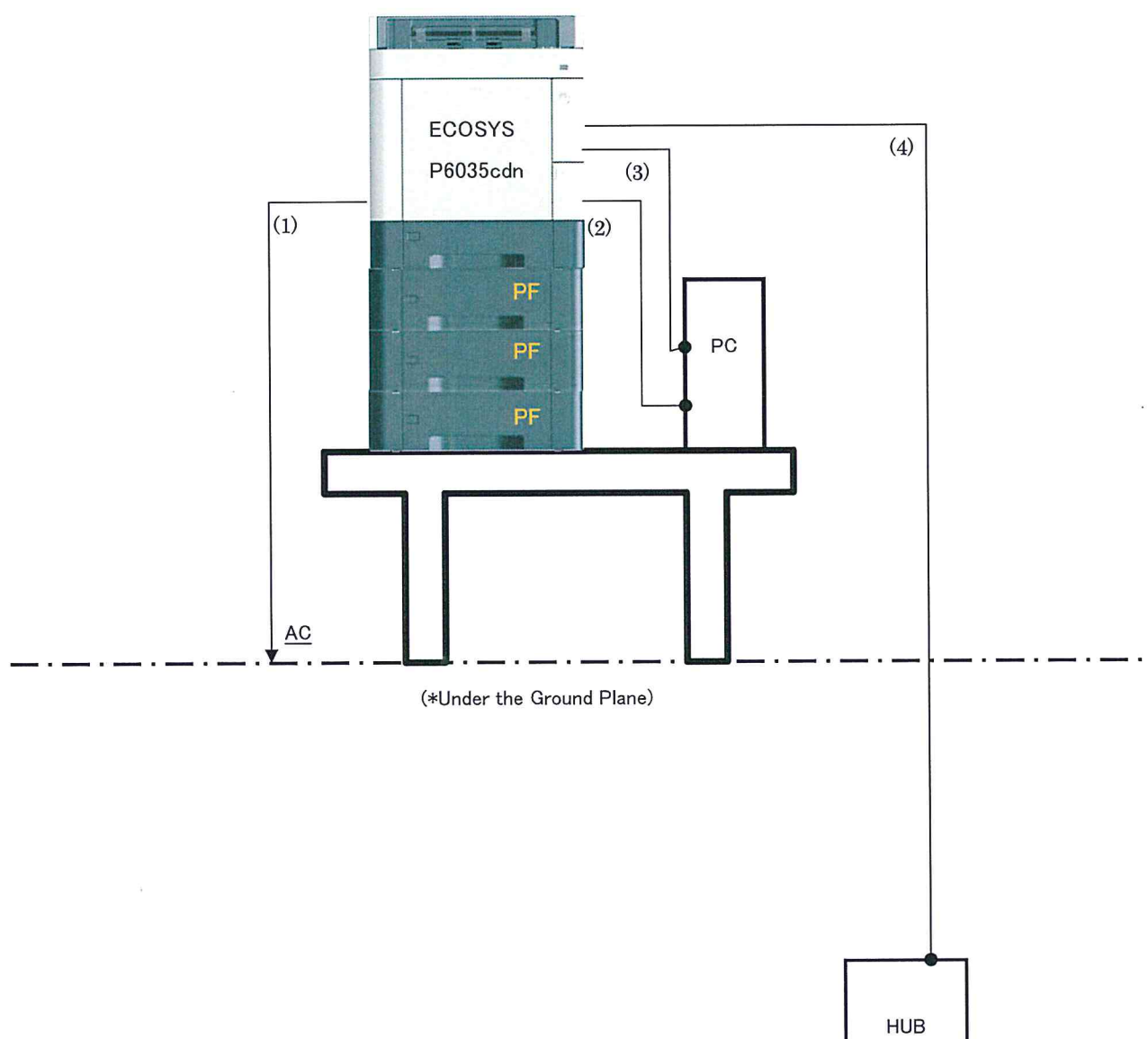
<i>No.</i>	<i>Operation Mode</i>	<i>System</i>	<i>Rad.EMI</i>		<i>Con.EMI</i>
			<i>MHz</i>	<i>GHz</i>	
①	Standby	A	○	○	○
②	USB print	A	○	---	---
③	LAN Print (On Board)	B	○	---	○
④	LAN Print (Option NIC) (Wireless)	C	---	○	---
⑤	LAN Print (On Board) (Telecommunication Ports)	B	---	---	○

◎Connected Cable / Cord

<i>No.</i>	<i>Cable / Cord</i>	<i>Length</i>	<i>Core</i>	<i>Shielded</i>	<i>Connector</i>
1	MFP Power Cord	2.5 m	---	---	Resinous
2	USB Cable	1 m	---	○	Metallic
3	LAN Cable(On Board) for Printer	1 m	---	○	Metallic
4	LAN Cable(Option) for Printer	10 m	---	○	Metallic

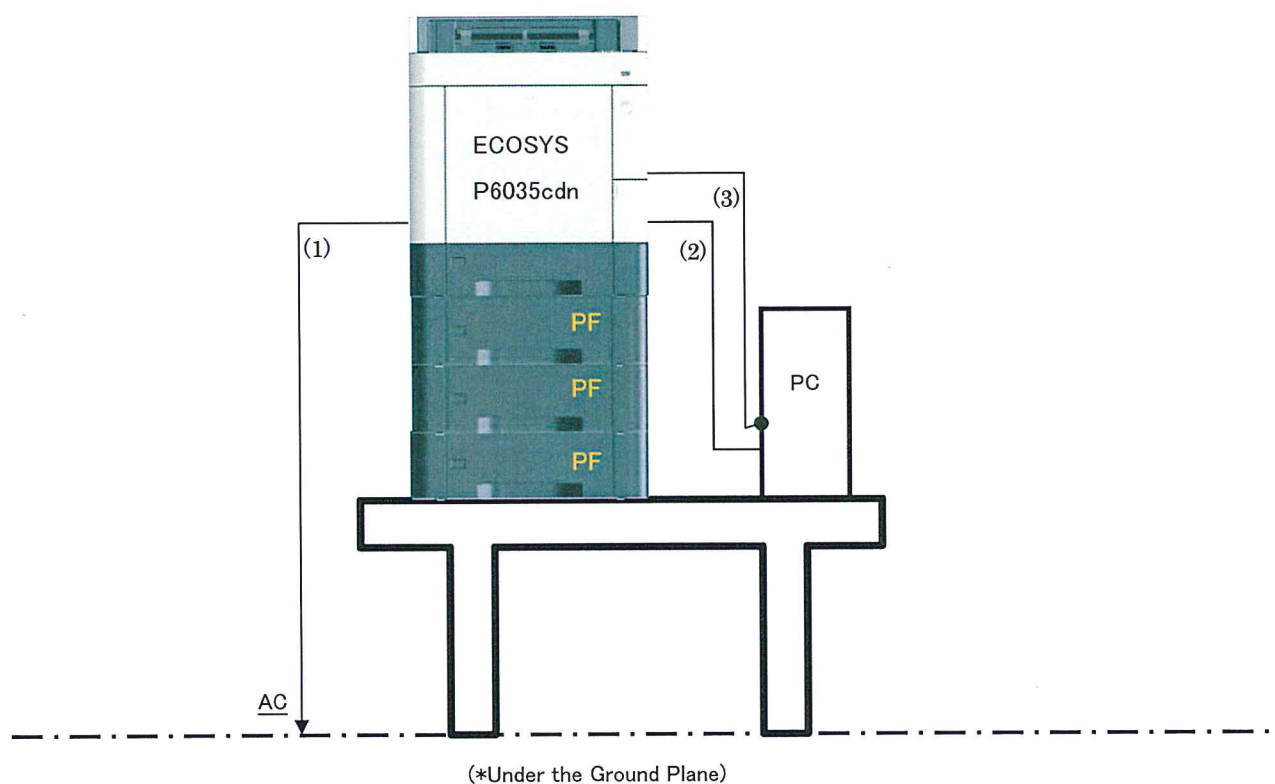
©Equipment Connection Figure

System A



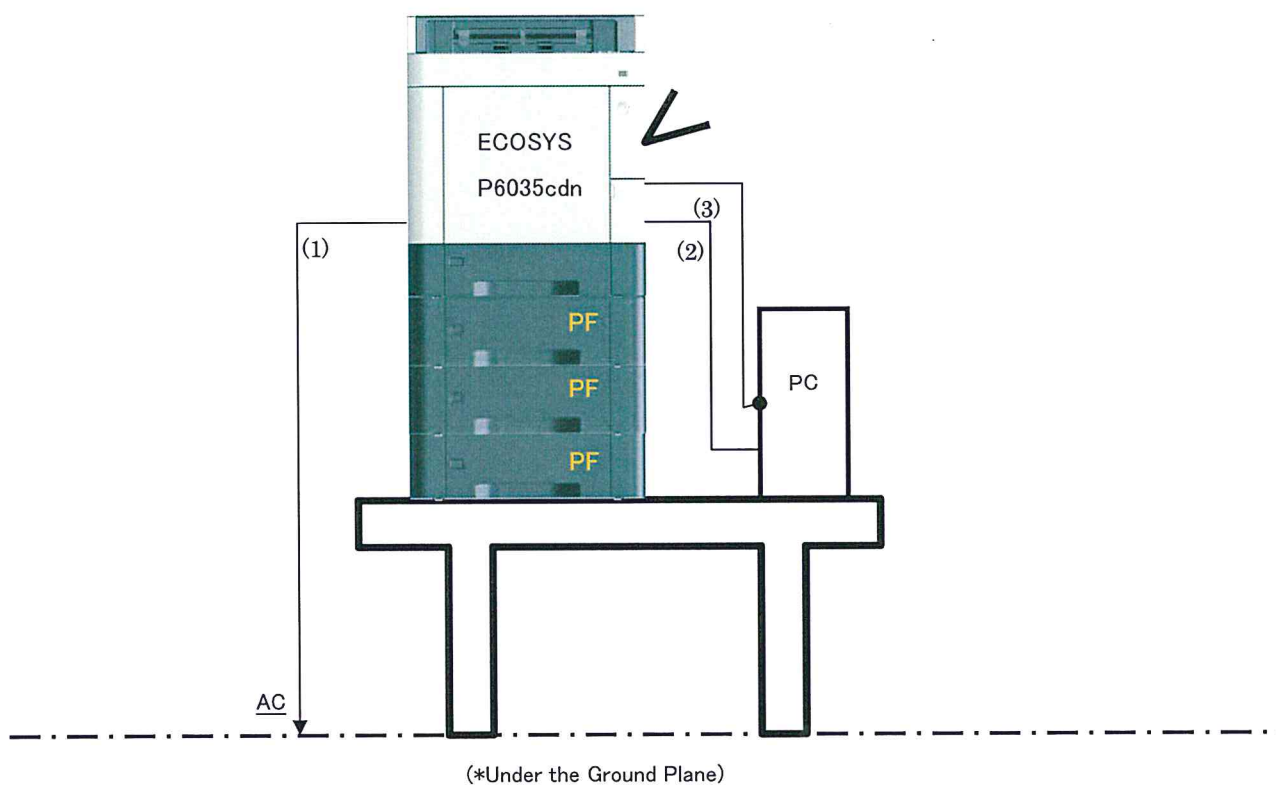
©Equipment Connection Figure

System B



©Equipment Connection Figure

System C

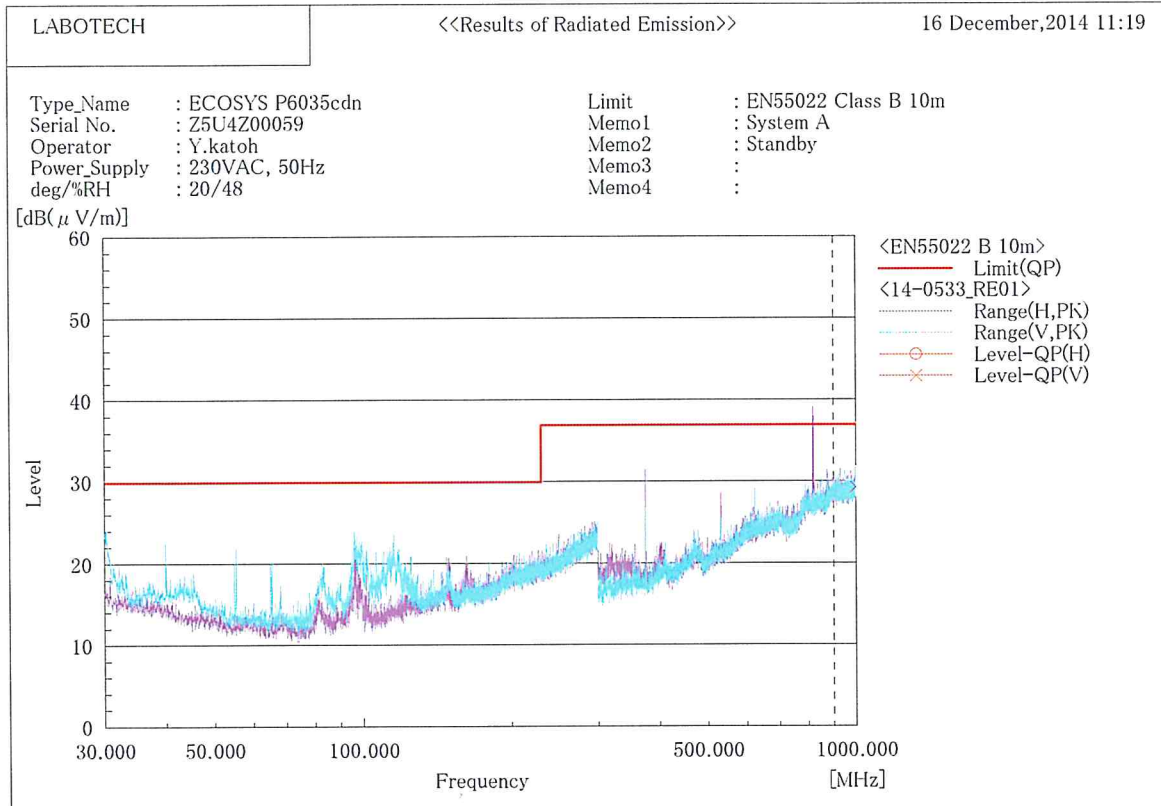


Test Results

Radiated disturbance (30 – 1000 MHz)

Operation Mode ① Standby

System A



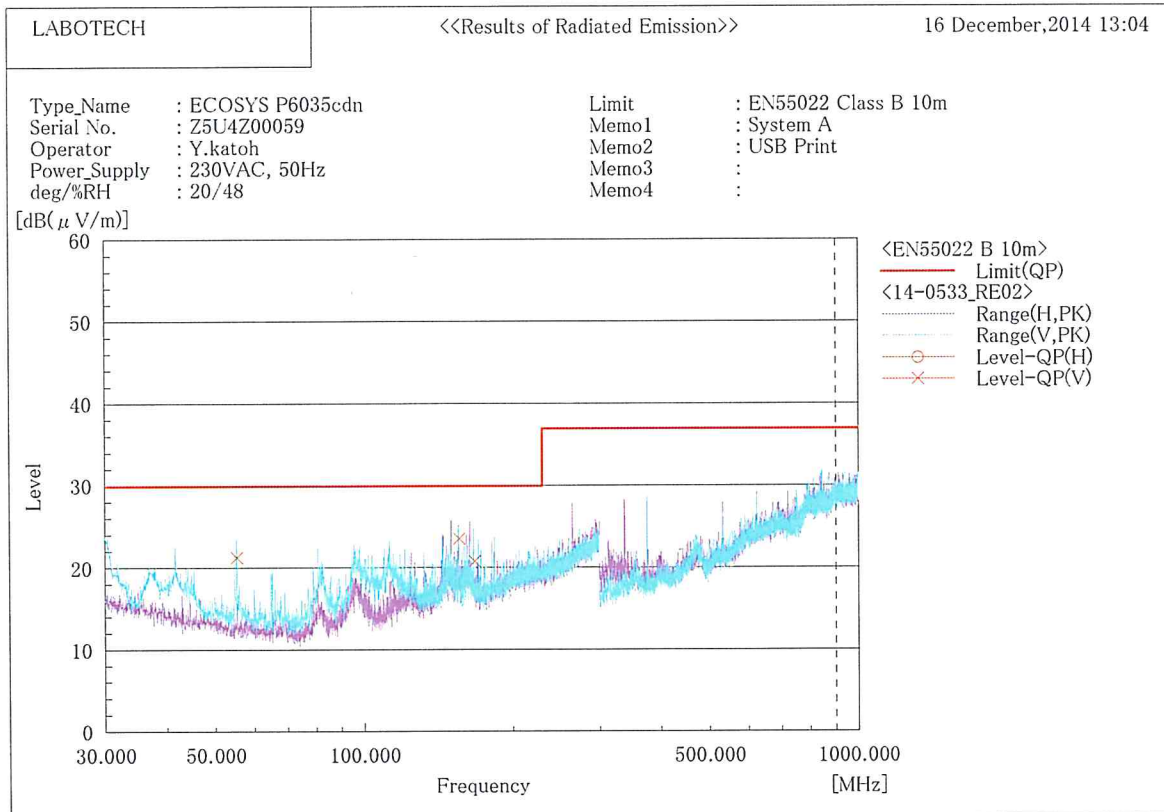
Final Result

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	30.112	V	30.15	-11.73	18.42	30.0	11.6	101.0	164.0
2	96.150	V	32.10	-14.58	17.52	30.0	12.5	109.0	61.0
3	115.021	V	30.75	-13.49	17.26	30.0	12.7	109.0	135.0
4	375.002	H	41.25	-9.50	31.75	37.0	5.3	135.0	84.0
5	820.400	H	19.47	1.06	20.53	37.0	16.5	182.0	98.0
6	1000.000	V	25.92	3.44	29.36	37.0	7.6	166.0	106.0

Radiated disturbance (30 – 1000 MHz)

Operation Mode ② USB print

System A



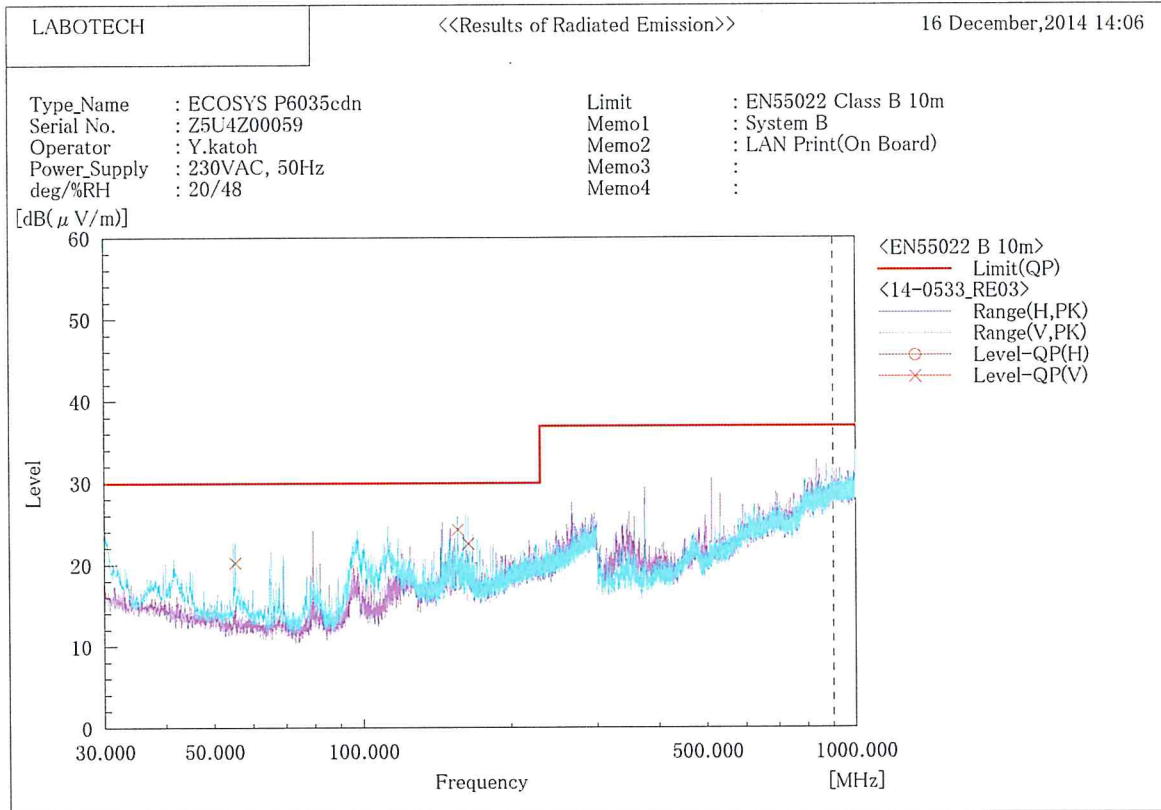
Final Result

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	30.077	V	31.20	-11.72	19.48	30.0	10.5	111.0	239.0
2	55.457	V	36.60	-15.27	21.33	30.0	8.7	107.0	97.0
3	150.331	H	33.38	-11.41	21.97	30.0	8.0	335.0	113.0
4	156.091	V	34.90	-11.29	23.61	30.0	6.4	100.0	128.0
5	164.127	H	33.56	-11.10	22.46	30.0	7.5	390.0	98.0
6	167.707	V	31.76	-10.92	20.84	30.0	9.2	100.0	120.0

Radiated disturbance (30 – 1000 MHz)

Operation Mode ③ LAN Print (On Board)

System B



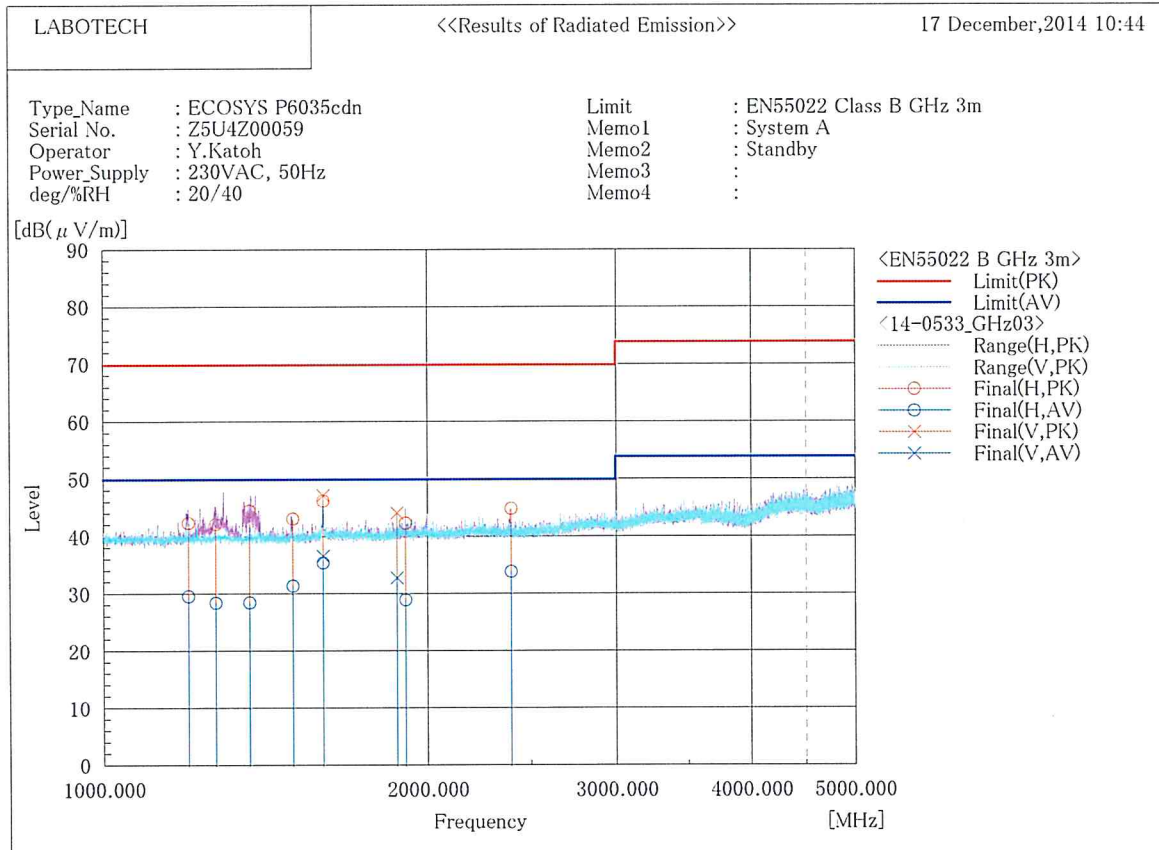
Final Result

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	30.270	V	30.38	-11.77	18.61	30.0	11.4	100.0	298.0
2	55.448	V	35.60	-15.27	20.33	30.0	9.7	101.0	118.0
3	145.220	H	35.79	-11.55	24.24	30.0	5.8	388.0	38.0
4	156.080	H	34.74	-11.29	23.45	30.0	6.5	310.0	128.0
5	156.082	V	35.64	-11.29	24.35	30.0	5.7	100.0	120.0
6	164.080	V	33.73	-11.10	22.63	30.0	7.4	100.0	128.0

Radiated disturbance (1000 – 5000 MHz)

Operation Mode ① Standby

System A



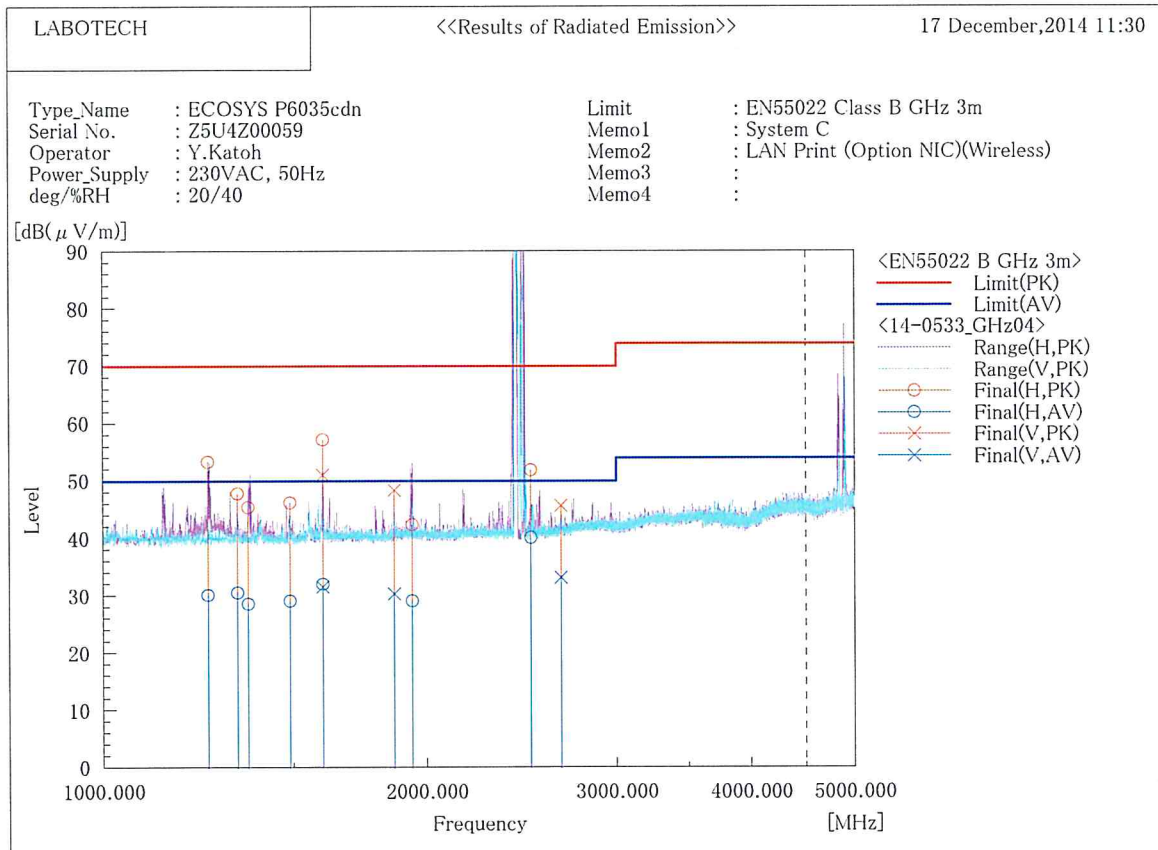
Final Result

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	1200.006	H	46.98	34.15	-1.51	42.47	29.64	70.0	50.0	27.5	20.4	195.0	154.0
2	1272.826	H	46.46	32.70	-1.21	42.25	28.49	70.0	50.0	27.7	21.5	176.0	181.0
3	1368.130	H	48.49	32.50	-3.95	44.54	28.55	70.0	50.0	25.5	21.4	140.0	210.0
4	1500.006	H	47.07	35.33	-3.89	43.18	31.44	70.0	50.0	26.8	18.6	142.0	249.0
5	1600.000	H	49.45	38.63	-3.12	46.33	35.51	70.0	50.0	23.7	14.5	157.0	203.0
6	1600.000	V	50.37	39.76	-3.12	47.25	36.64	70.0	50.0	22.8	13.4	136.0	157.0
7	1875.017	V	46.96	35.64	-2.79	44.17	32.85	70.0	50.0	25.8	17.2	110.0	166.0
8	1910.286	H	45.05	31.69	-2.68	42.37	29.01	70.0	50.0	27.6	21.0	127.0	176.0
9	2400.000	H	47.66	36.68	-2.74	44.92	33.94	70.0	50.0	25.1	16.1	121.0	171.0

Radiated disturbance (1000 – 5000 MHz)

Operation Mode ④ LAN Print (Option NIC) (Wireless)

System C



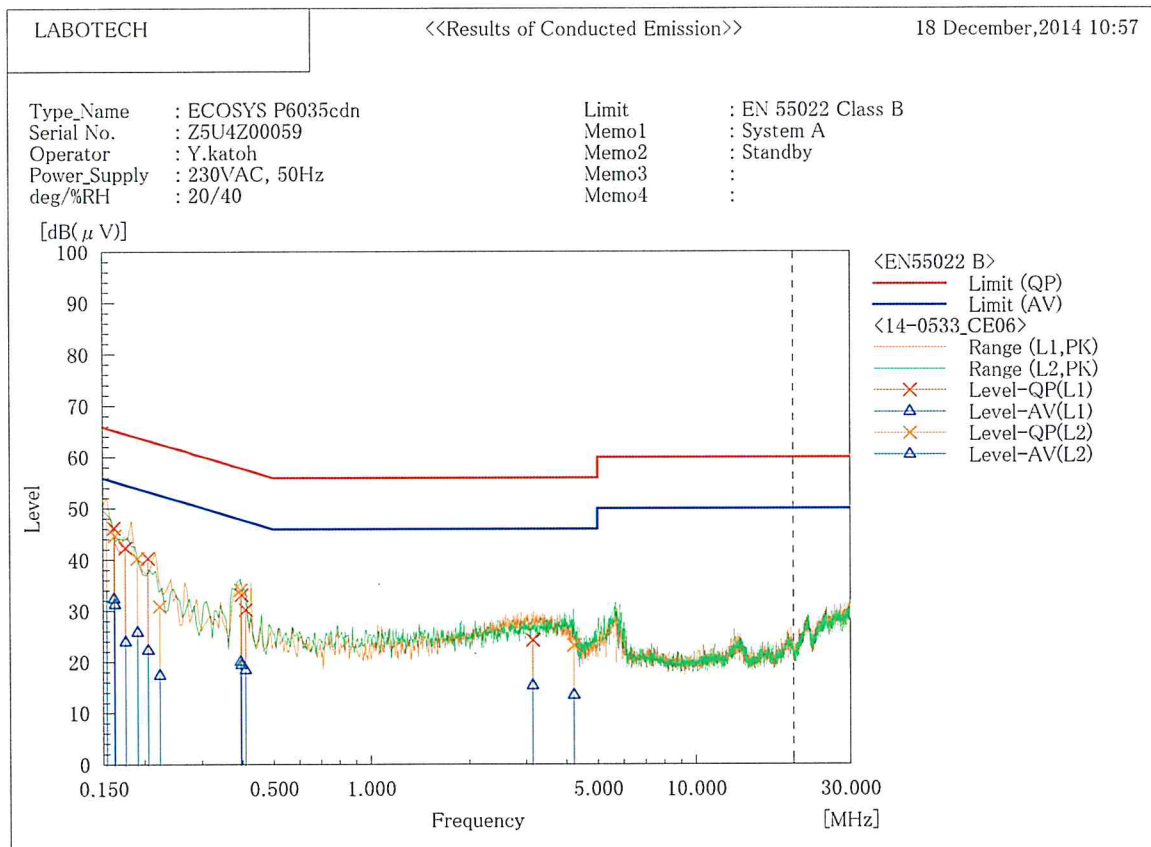
Final Result

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	1251.714	H	57.72	34.47	-4.30	53.42	30.17	70.0	50.0	16.6	19.8	100.0	50.0
2	1333.374	H	51.90	34.57	-4.01	47.89	30.56	70.0	50.0	22.1	19.4	201.0	71.0
3	1363.117	H	49.45	32.59	-3.96	45.49	28.63	70.0	50.0	24.5	21.4	131.0	73.0
4	1490.438	H	50.22	33.09	-3.92	46.30	29.17	70.0	50.0	23.7	20.8	135.0	104.0
5	1600.000	H	60.35	35.17	-3.12	57.23	32.05	70.0	50.0	12.8	17.9	111.0	87.0
6	1600.000	V	54.27	34.73	-3.12	51.15	31.61	70.0	50.0	18.8	18.4	130.0	84.0
7	1866.000	V	51.32	33.22	-2.85	48.47	30.37	70.0	50.0	21.5	19.6	103.0	86.0
8	1939.714	H	45.09	31.79	-2.66	42.43	29.13	70.0	50.0	27.6	20.9	114.0	95.0
9	2500.000	H	54.58	42.80	-2.62	51.96	40.18	70.0	50.0	18.0	9.8	136.0	136.0
10	2666.000	V	48.02	35.51	-2.26	45.76	33.25	70.0	50.0	24.2	16.8	100.0	109.0

Conducted disturbance (Mains Ports)

Operation Mode ① Standby

System A



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	0.16271	36.2	22.4	10.1	46.3	32.5	65.3	55.3	19.0	22.8
2	0.17636	32.3	13.9	10.1	42.4	24.0	64.7	54.7	22.3	30.7
3	0.20641	30.3	12.3	10.1	40.4	22.4	63.3	53.3	22.9	30.9
4	0.39842	23.0	9.3	10.2	33.2	19.5	57.9	47.9	24.7	28.4
5	0.41064	20.1	8.4	10.2	30.3	18.6	57.6	47.6	27.3	29.0
6	3.15351	13.9	4.9	10.5	24.4	15.4	56.0	46.0	31.6	30.6

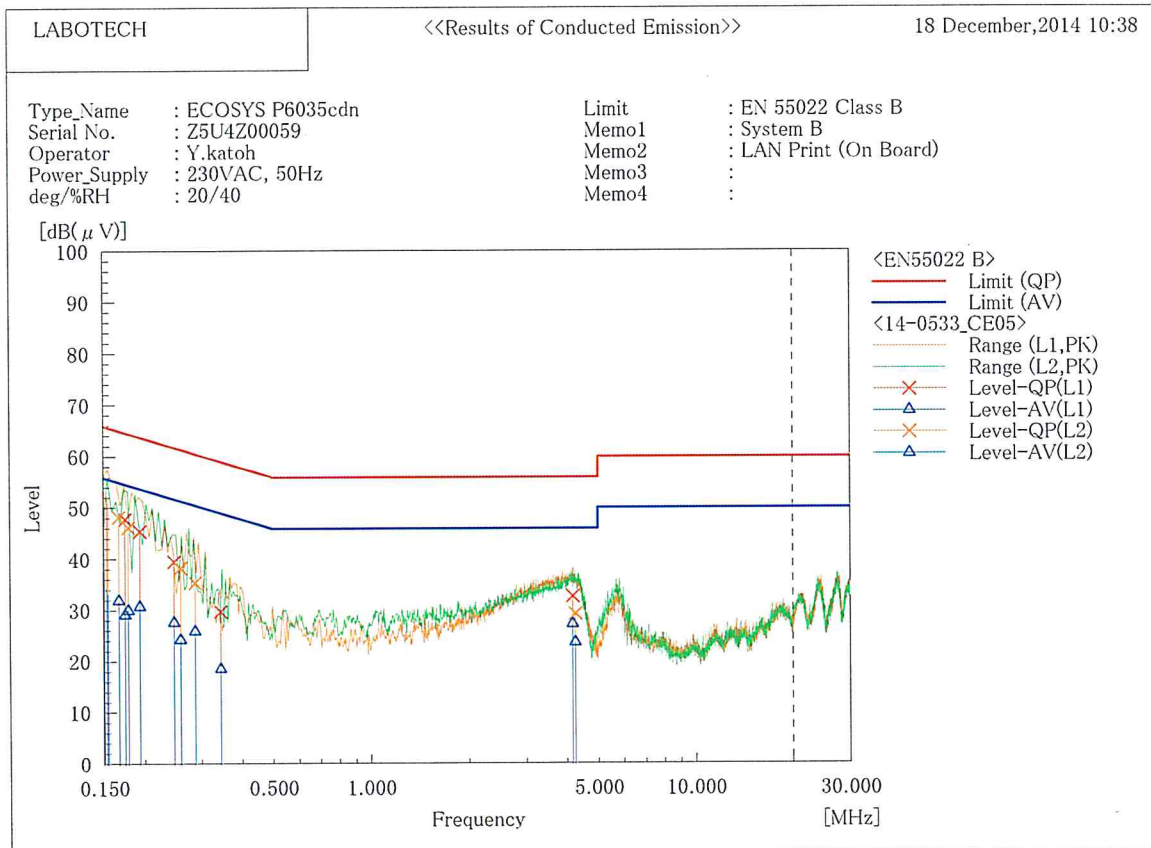
--- L2 Phase ---

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	38.4	24.1	10.1	48.5	34.2	65.8	55.8	17.3	21.6
2	0.16363	34.7	21.3	10.1	44.8	31.4	65.3	55.3	20.5	23.9
3	0.19166	30.3	15.8	10.1	40.4	25.9	64.0	54.0	23.6	28.1
4	0.22338	20.9	7.4	10.1	31.0	17.5	62.7	52.7	31.7	35.2
5	0.39633	24.1	10.0	10.1	34.2	20.1	57.9	47.9	23.7	27.8
6	4.22259	12.8	3.0	10.6	23.4	13.6	56.0	46.0	32.6	32.4

Conducted disturbance (Mains Ports)

Operation Mode ③ LAN Print (On Board)

System B



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	0.15053	43.3	28.0	10.1	53.4	38.1	66.0	56.0	12.6	17.9
2	0.15381	42.4	24.5	10.1	52.5	34.6	65.8	55.8	13.3	21.2
3	0.17527	37.8	19.2	10.1	47.9	29.3	64.7	54.7	16.8	25.4
4	0.19438	35.4	20.8	10.1	45.5	30.9	63.8	53.8	18.3	22.9
5	0.24753	29.6	17.7	10.1	39.7	27.8	61.8	51.8	22.1	24.0
6	0.34497	19.6	8.5	10.2	29.8	18.7	59.1	49.1	29.3	30.4
7	4.1739	22.2	16.8	10.6	32.8	27.4	56.0	46.0	23.2	18.6

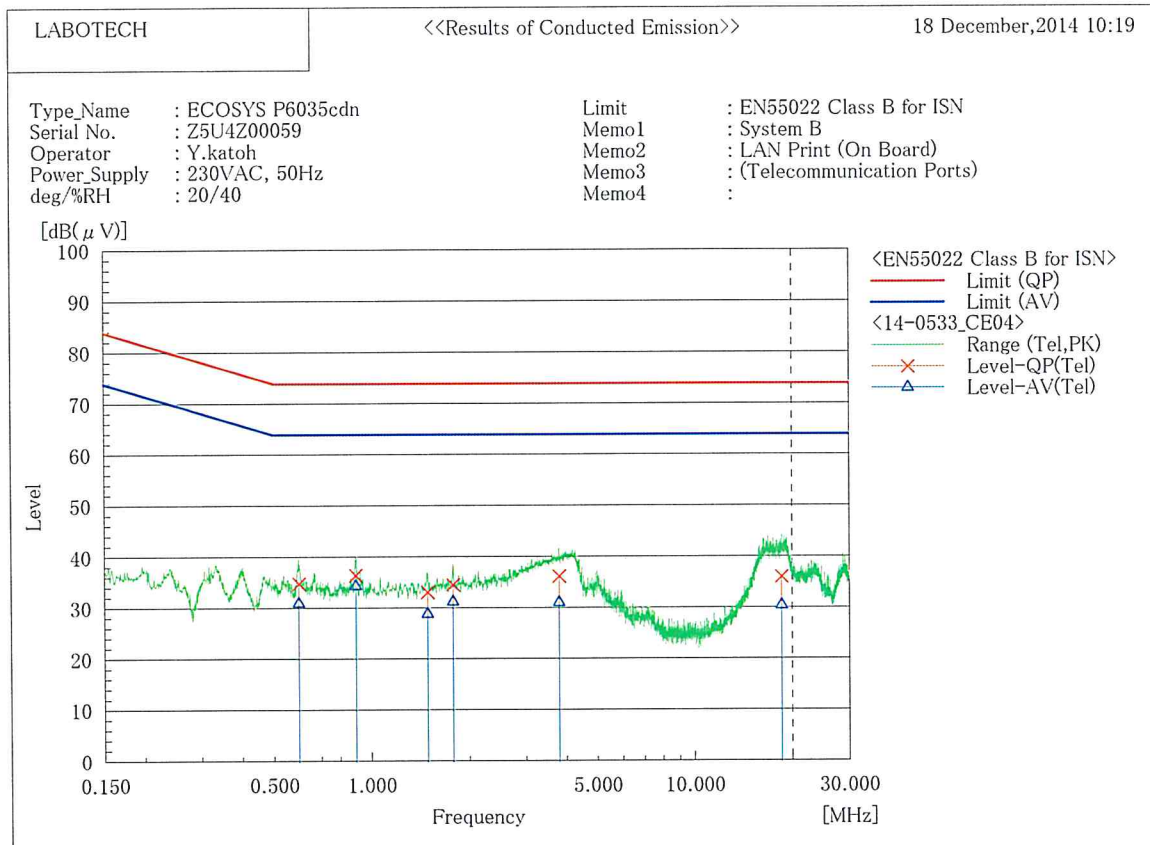
--- L2 Phase ---

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	0.15061	42.1	27.7	10.1	52.2	37.8	66.0	56.0	13.8	18.2
2	0.15509	41.0	23.2	10.1	51.1	33.3	65.7	55.7	14.6	22.4
3	0.16765	38.2	22.0	10.1	48.3	32.1	65.1	55.1	16.8	23.0
4	0.17925	36.2	20.0	10.1	46.3	30.1	64.5	54.5	18.2	24.4
5	0.25917	28.2	14.3	10.1	38.3	24.4	61.5	51.5	23.2	27.1
6	0.28789	25.4	16.0	10.1	35.5	26.1	60.6	50.6	25.1	24.5
7	4.24558	18.7	13.1	10.6	29.3	23.7	56.0	46.0	26.7	22.3

Conducted disturbance (Telecommunication Ports)

Operation Mode ⑤ LAN Print (On Board) (Telecommunication Ports)

System B



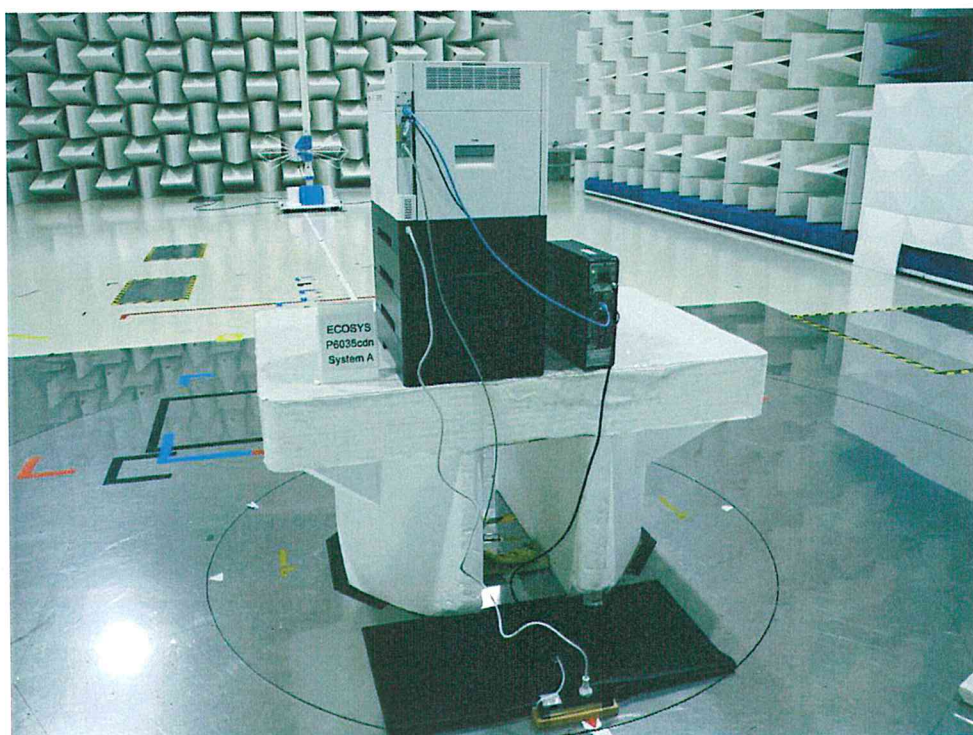
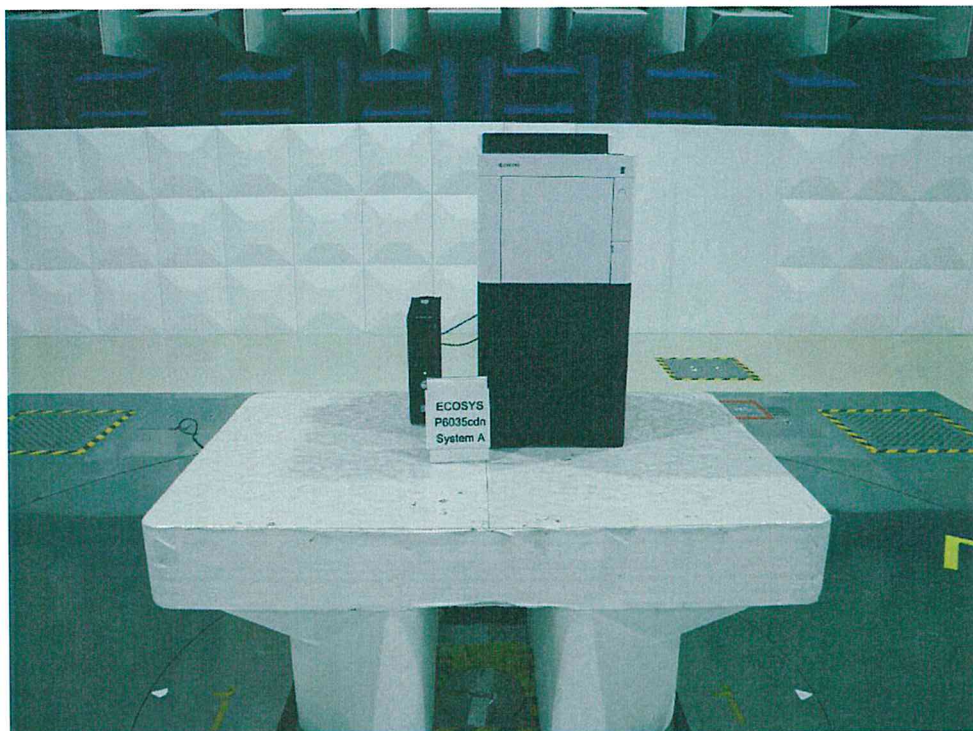
Final Result

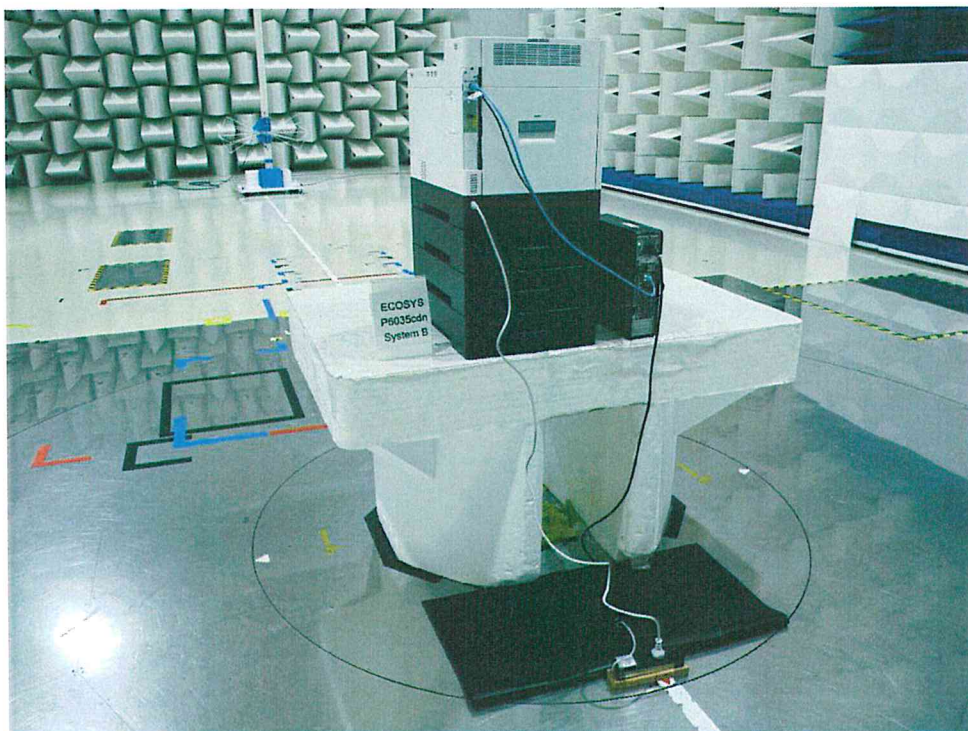
--- Tel Phase ---											
No.	Frequency	Reading	Reading	c. f	Result	Result	Limit	Limit	Margin	Margin	
	[MHz]	QP	CAV		QP	CAV	QP	AV	QP	CAV	
		[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]	
1	0.59979	25.1	21.3	9.8	34.9	31.1	74.0	64.0	39.1	32.9	
2	0.89901	26.7	24.6	9.9	36.6	34.5	74.0	64.0	37.4	29.5	
3	1.49728	23.3	19.1	9.9	33.2	29.0	74.0	64.0	40.8	35.0	
4	1.79688	24.7	21.3	10.0	34.7	31.3	74.0	64.0	39.3	32.7	
5	3.81632	26.2	21.1	10.1	36.3	31.2	74.0	64.0	37.7	32.8	
6	18.6106	25.4	19.8	10.7	36.1	30.5	74.0	64.0	37.9	33.5	

Photographs of Test Setup/Arrangement

Radiated disturbance

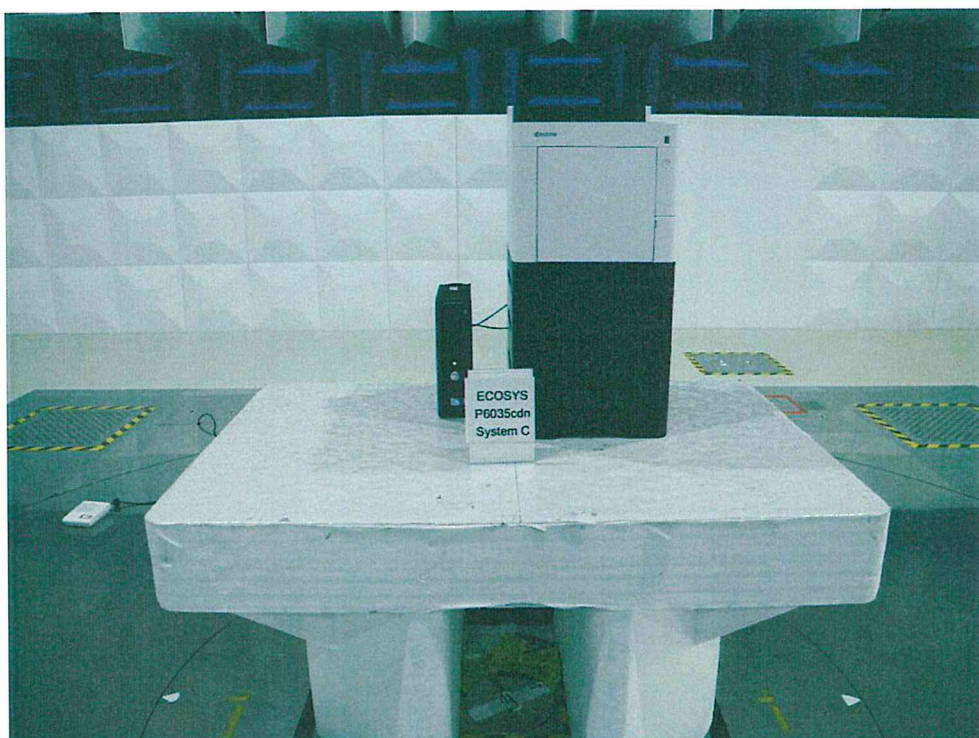
System A



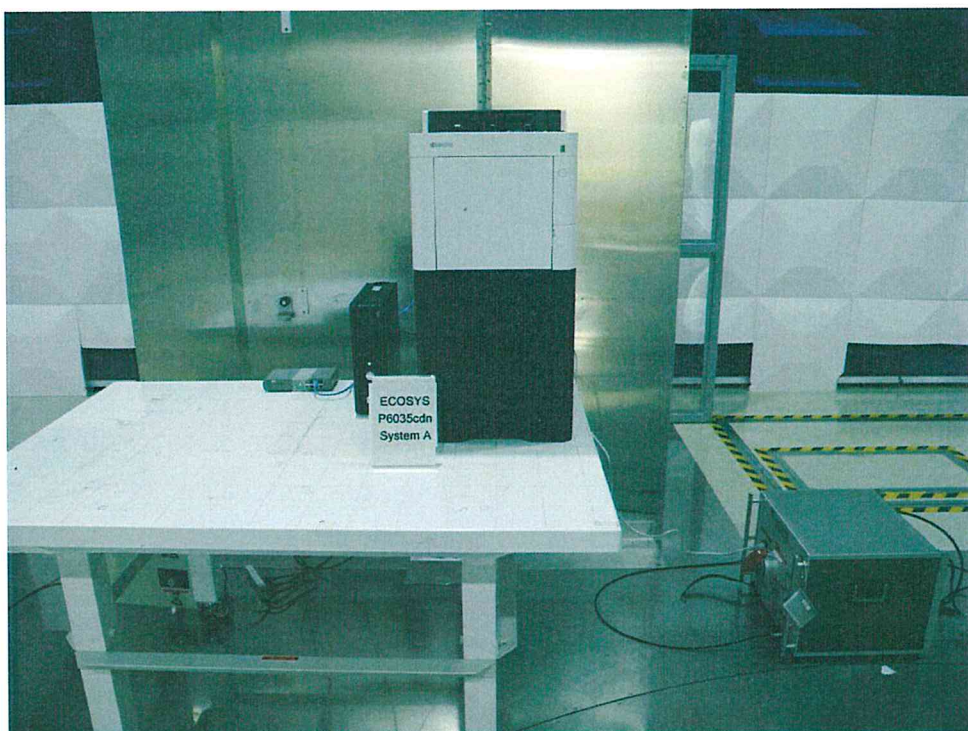
Radiated disturbance
System B

Radiated disturbance

System C



Conducted disturbance System A



Conducted disturbance
System B

EN61000-3-2/2006+A1/2009+A2/2009

Harmonic Current Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Printer	ECOCYS P6035cdn	Z5U4Z00059
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

Date : 21 January, 2015

Temperature : 23°C

Humidity : 53%

Atom. Pressure : 1013hPa

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

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

ECOSYS P6035cdn (Average)

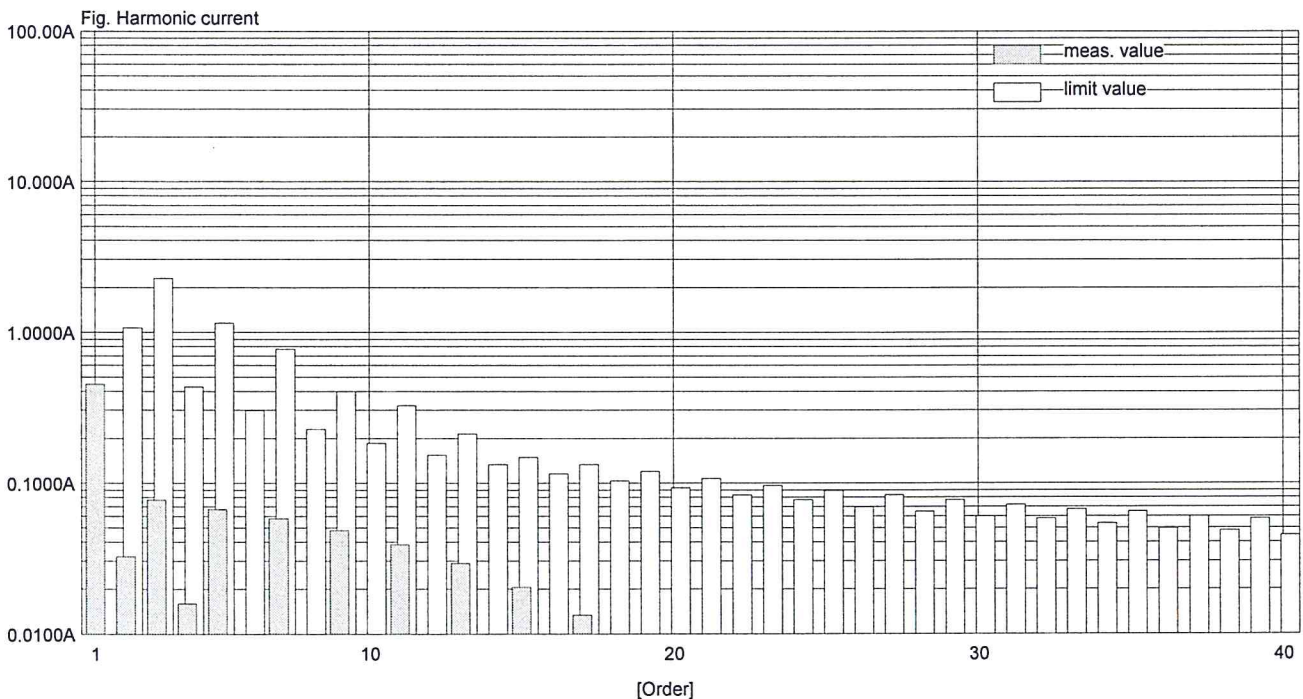
Print Date : Wed Jan 21 15:13:33 2015
MeasureDate : Wed Jan 21 15:12:49 2015
Comment : Standby
Option : PF-5100*3, IB-50

Regulation : IEC61000-3-2 Ed3.0 am2
IEC61000-4-7 Ed2.0 A1
Class : CLASS A
MeasureTime : 150.00sec
Model : YOKOGAWA WT3000
Rating Voltage : 230.00 V
Wiring : single-phase 2-wire
Element : 1
Range : 300V/30A
Current(rms) : 0.5180 A
Voltage(rms) : 229.69 V
Frequency : 50.000 Hz
Power Factor : 0.7904
POHC Limit : 0.2514 A
POHC Max : 0.0277 A
THC : 0.1494 A

PASS

Set Fundamental I : -----
Set Power Factor : -----
Set P : -----
Sigma W Max : 400.0919 W
Sigma PF : 0.7904
Distortion factor(V) : 0.06 %
V THDS : 0.06 %
V THDG : 0.07 %
Distortion factor(A) : 131.76 %
A THDS : 132.28 %
A THDG : 133.49 %
P THD : 0.03 %
Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.4510			2	0.0327	1.0800	97.0
3	0.0775	2.3000	96.6	4	0.0158	0.4300	96.3
5	0.0679	1.1400	94.0	6	0.0083	0.3000	97.2
7	0.0592	0.7700	92.3	8	0.0062	0.2300	97.3
9	0.0496	0.4000	87.6	10	0.0043	0.1840	97.7
11	0.0398	0.3300	87.9	12	0.0035	0.1533	97.7
13	0.0297	0.2100	85.8	14	0.0025	0.1314	98.1
15	0.0206	0.1500	86.3	16	0.0020	0.1150	98.2
17	0.0131	0.1324	90.1	18	0.0019	0.1022	98.1
19	0.0076	0.1184	93.6	20	0.0017	0.0920	98.1
21	0.0051	0.1071	95.3	22	0.0016	0.0836	98.0
23	0.0052	0.0978	94.7	24	0.0015	0.0767	98.1
25	0.0056	0.0900	93.7	26	0.0013	0.0708	98.2
27	0.0053	0.0833	93.6	28	0.0012	0.0657	98.2
29	0.0045	0.0776	94.3	30	0.0011	0.0613	98.2
31	0.0035	0.0726	95.2	32	0.0011	0.0575	98.1
33	0.0026	0.0682	96.3	34	0.0010	0.0541	98.1
35	0.0023	0.0643	96.4	36	0.0010	0.0511	98.0
37	0.0024	0.0608	96.0	38	0.0009	0.0484	98.0
39	0.0025	0.0577	95.6	40	0.0009	0.0460	98.1



ECOSYS P6035cdn (Maximum)

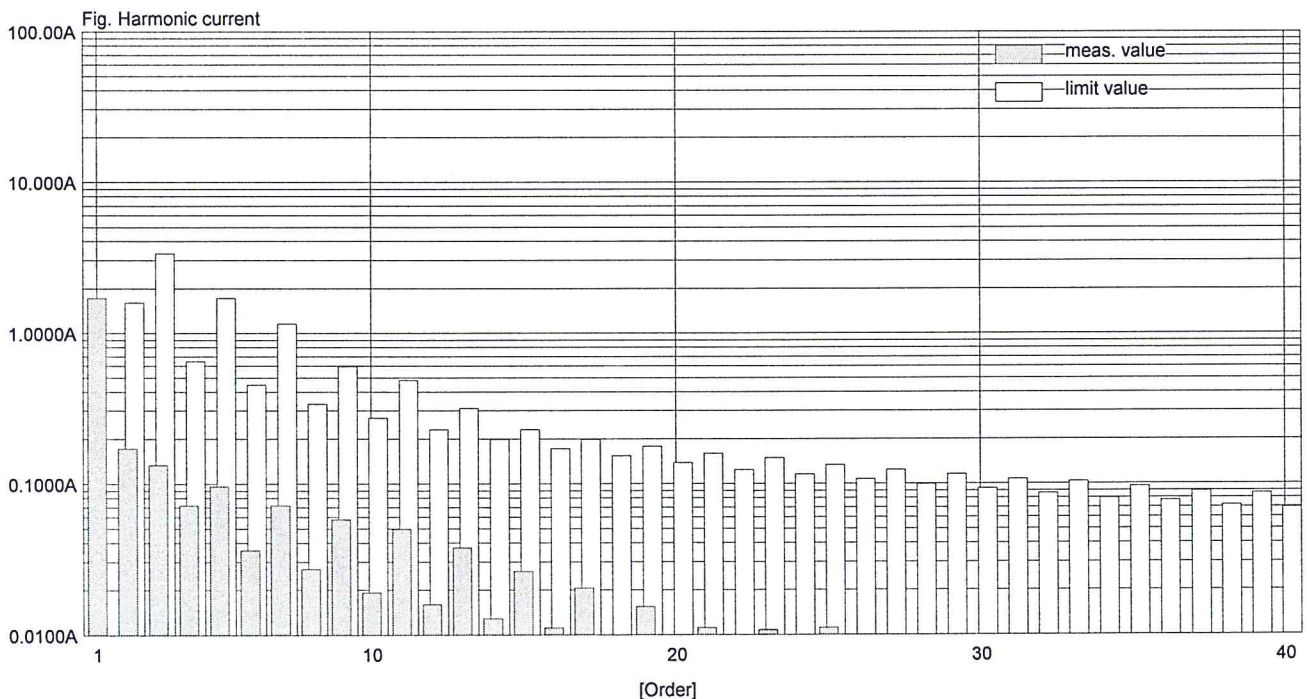
Print Date : Wed Jan 21 15:13:33 2015
MeasureDate : Wed Jan 21 15:12:49 2015
Comment : Standby
Option : PF-5100*3, IB-50

Regulation : IEC61000-3-2 Ed3.0 am2
IEC61000-4-7 Ed2.0 A1
Class : CLASS A
MeasureTime : 150.00sec
Model : YOKOGAWA WT3000
Rating Voltage : 230.00 V
Wiring : single-phase 2-wire
Element : 1
Range : 300V/30A
Current(rms) : 1.7765 A
Voltage(rms) : 229.72 V
Frequency : 50.008 Hz
Power Factor : 0.9826
Beyond Limit Time : 14.9999 s
Beyond Total Time : 0.0000 s
THC : 0.2781 A

PASS

Set Fundamental I : -----
Set Power Factor : -----
Set P : -----
Sigma W Max : 400.0919 W
Sigma PF : 0.9826
Distortion factor(V) : 0.08 %
V THDS : 0.08 %
V THDG : 0.08 %
Distortion factor(A) : 166.67 %
A THDS : 166.68 %
A THDG : 166.73 %
P THD : 0.04 %
Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.7446			2	0.1719	1.6200	89.4
3	0.1330	3.4500	96.1	4	0.0712	0.6450	89.0
5	0.0976	1.7100	94.3	6	0.0361	0.4500	92.0
7	0.0716	1.1550	93.8	8	0.0275	0.3450	92.0
9	0.0586	0.6000	90.2	10	0.0192	0.2760	93.0
11	0.0499	0.4950	89.9	12	0.0159	0.2300	93.1
13	0.0378	0.3150	88.0	14	0.0130	0.1971	93.4
15	0.0268	0.2250	88.1	16	0.0110	0.1725	93.6
17	0.0206	0.1985	89.6	18	0.0100	0.1533	93.5
19	0.0153	0.1776	91.4	20	0.0090	0.1380	93.5
21	0.0113	0.1607	93.0	22	0.0083	0.1255	93.4
23	0.0108	0.1467	92.6	24	0.0075	0.1150	93.5
25	0.0112	0.1350	91.7	26	0.0069	0.1062	93.5
27	0.0101	0.1250	91.9	28	0.0063	0.0986	93.6
29	0.0087	0.1164	92.6	30	0.0057	0.0920	93.8
31	0.0080	0.1089	92.7	32	0.0055	0.0862	93.6
33	0.0069	0.1023	93.3	34	0.0052	0.0812	93.5
35	0.0059	0.0964	93.8	36	0.0050	0.0767	93.5
37	0.0060	0.0912	93.4	38	0.0048	0.0726	93.4
39	0.0062	0.0865	92.9	40	0.0045	0.0690	93.5



ECOSYS P6035cdn (Average)

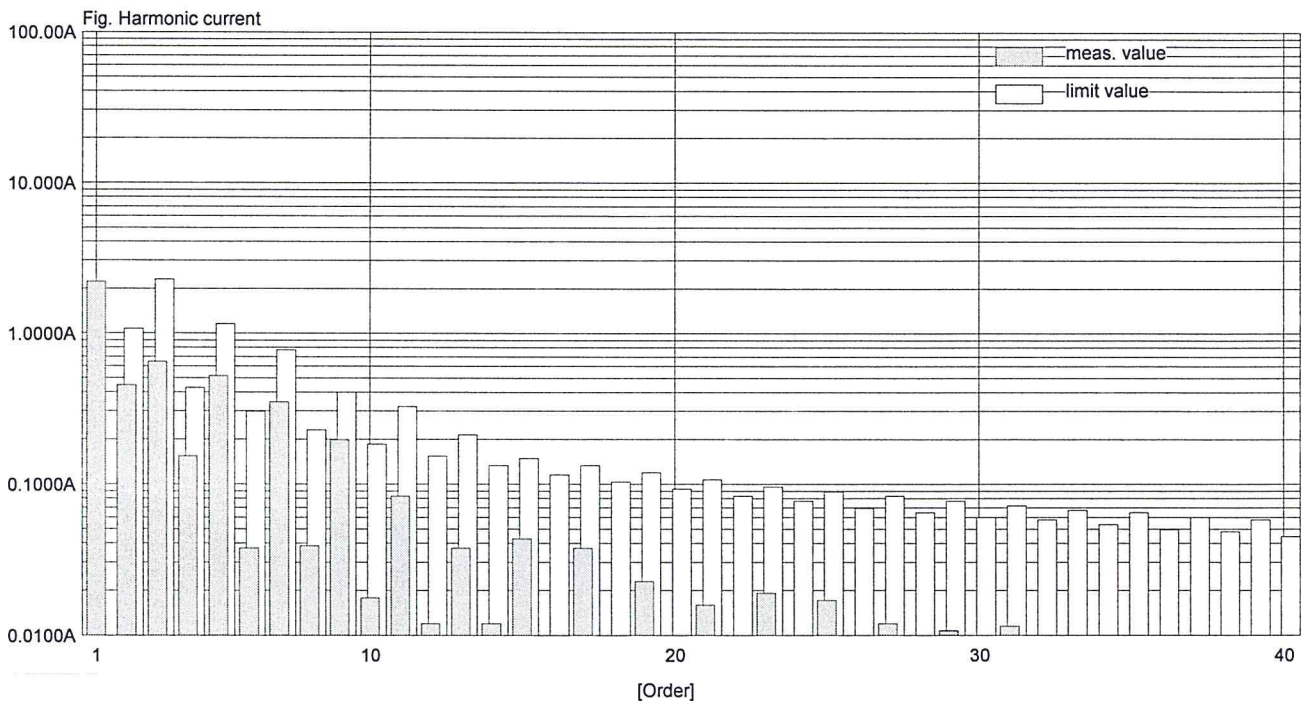
Print Date : Wed Jan 21 15:25:54 2015
 MeasureDate : Wed Jan 21 15:25:25 2015
 Comment : Print
 Option : PF-5100*3, IB-50

Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.4734 A
 Voltage(rms) : 229.51 V
 Frequency : 50.000 Hz
 Power Factor : 0.9026
 POHC Limit : 0.2514 A
 POHC Max : 0.0407 A
 THC : 1.0568 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 626.5721 W
 Sigma PF : 0.9026
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.08 %
 Distortion factor(A) : 45.76 %
 A THDS : 46.74 %
 A THDG : 47.58 %
 P THD : 0.02 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.2342			2	0.4603	1.0800	57.4
3	0.6529	2.3000	71.6	4	0.1564	0.4300	63.6
5	0.5172	1.1400	54.6	6	0.0385	0.3000	87.2
7	0.3552	0.7700	53.9	8	0.0387	0.2300	83.2
9	0.2009	0.4000	49.8	10	0.0180	0.1840	90.2
11	0.0840	0.3300	74.5	12	0.0121	0.1533	92.1
13	0.0382	0.2100	81.8	14	0.0119	0.1314	91.0
15	0.0444	0.1500	70.4	16	0.0071	0.1150	93.8
17	0.0378	0.1324	71.5	18	0.0057	0.1022	94.4
19	0.0225	0.1184	81.0	20	0.0060	0.0920	93.5
21	0.0162	0.1071	84.9	22	0.0043	0.0836	94.9
23	0.0189	0.0978	80.7	24	0.0033	0.0767	95.7
25	0.0173	0.0900	80.8	26	0.0036	0.0708	94.9
27	0.0119	0.0833	85.7	28	0.0025	0.0657	96.2
29	0.0106	0.0776	86.3	30	0.0026	0.0613	95.8
31	0.0114	0.0726	84.3	32	0.0023	0.0575	95.9
33	0.0094	0.0682	86.2	34	0.0017	0.0541	96.8
35	0.0073	0.0643	88.6	36	0.0018	0.0511	96.4
37	0.0067	0.0608	88.9	38	0.0019	0.0484	96.0
39	0.0066	0.0577	88.5	40	0.0012	0.0460	97.5



ECOSYS P6035cdn (Maximum)

Print Date : Wed Jan 21 15:25:55 2015
 MeasureDate : Wed Jan 21 15:25:25 2015
 Comment : Print
 Option : PF-5100*3, IB-50

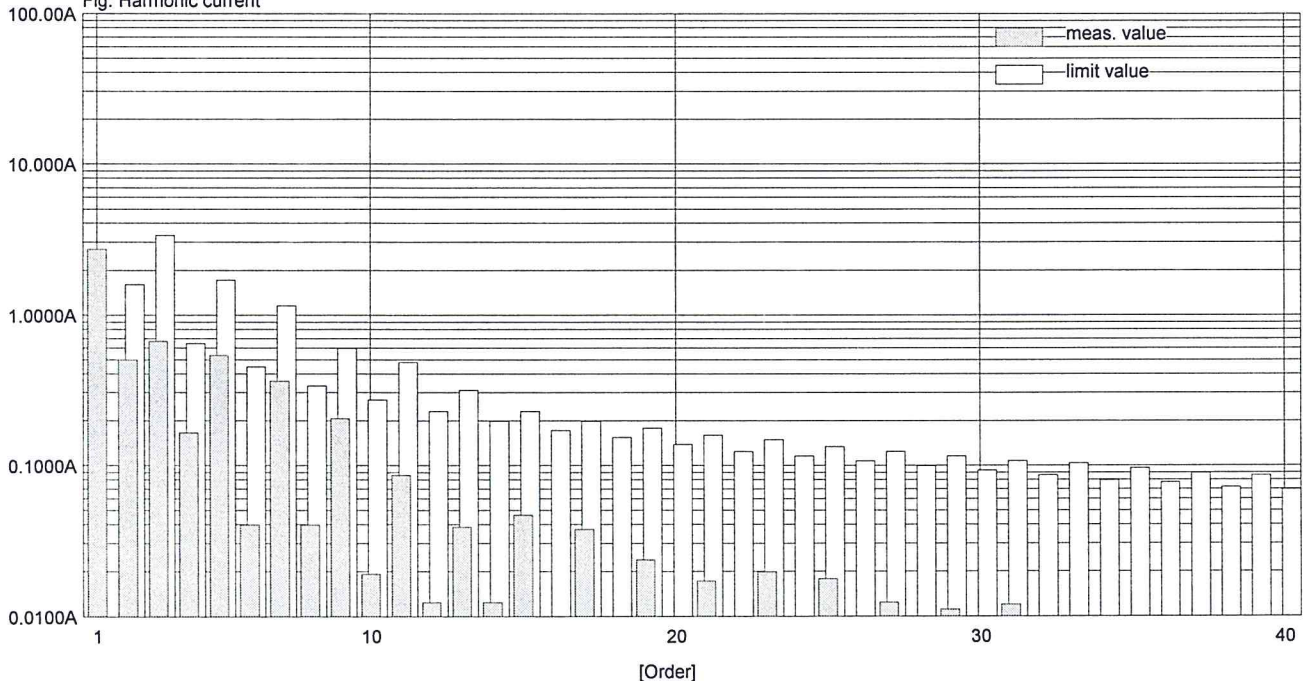
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.9106 A
 Voltage(rms) : 229.53 V
 Frequency : 50.010 Hz
 Power Factor : 0.9427
 Beyond Limit Time : 15.0000 s
 Beyond Total Time : 0.0000 s
 THC : 1.1000 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 626.5721 W
 Sigma PF : 0.9427
 Distortion factor(V) : 0.09 %
 V THDS : 0.09 %
 V THDG : 0.10 %
 Distortion factor(A) : 51.62 %
 A THDS : 52.35 %
 A THDG : 53.16 %
 P THD : 0.03 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.7312			2	0.5044	1.6200	68.9
3	0.6835	3.4500	80.2	4	0.1636	0.6450	74.6
5	0.5375	1.7100	68.6	6	0.0414	0.4500	90.8
7	0.3670	1.1550	68.2	8	0.0411	0.3450	88.1
9	0.2057	0.6000	65.7	10	0.0189	0.2760	93.2
11	0.0875	0.4950	82.3	12	0.0126	0.2300	94.5
13	0.0397	0.3150	87.4	14	0.0125	0.1971	93.7
15	0.0463	0.2250	79.4	16	0.0075	0.1725	95.6
17	0.0384	0.1985	80.7	18	0.0060	0.1533	96.1
19	0.0239	0.1776	86.6	20	0.0064	0.1380	95.3
21	0.0171	0.1607	89.4	22	0.0047	0.1255	96.3
23	0.0198	0.1467	86.5	24	0.0035	0.1150	96.9
25	0.0177	0.1350	86.9	26	0.0038	0.1062	96.4
27	0.0122	0.1250	90.2	28	0.0027	0.0986	97.2
29	0.0112	0.1164	90.4	30	0.0028	0.0920	96.9
31	0.0119	0.1089	89.0	32	0.0026	0.0862	97.0
33	0.0097	0.1023	90.5	34	0.0020	0.0812	97.6
35	0.0076	0.0964	92.1	36	0.0020	0.0767	97.4
37	0.0071	0.0912	92.2	38	0.0021	0.0726	97.1
39	0.0069	0.0865	92.1	40	0.0013	0.0690	98.1

Fig. Harmonic current



ECOSYS P6130cdn (Average)

Print Date : Wed Feb 04 14:51:31 2015
 MeasureDate : Wed Feb 04 14:50:59 2015
 Comment : Standby
 Option : PF-5100, IB-50

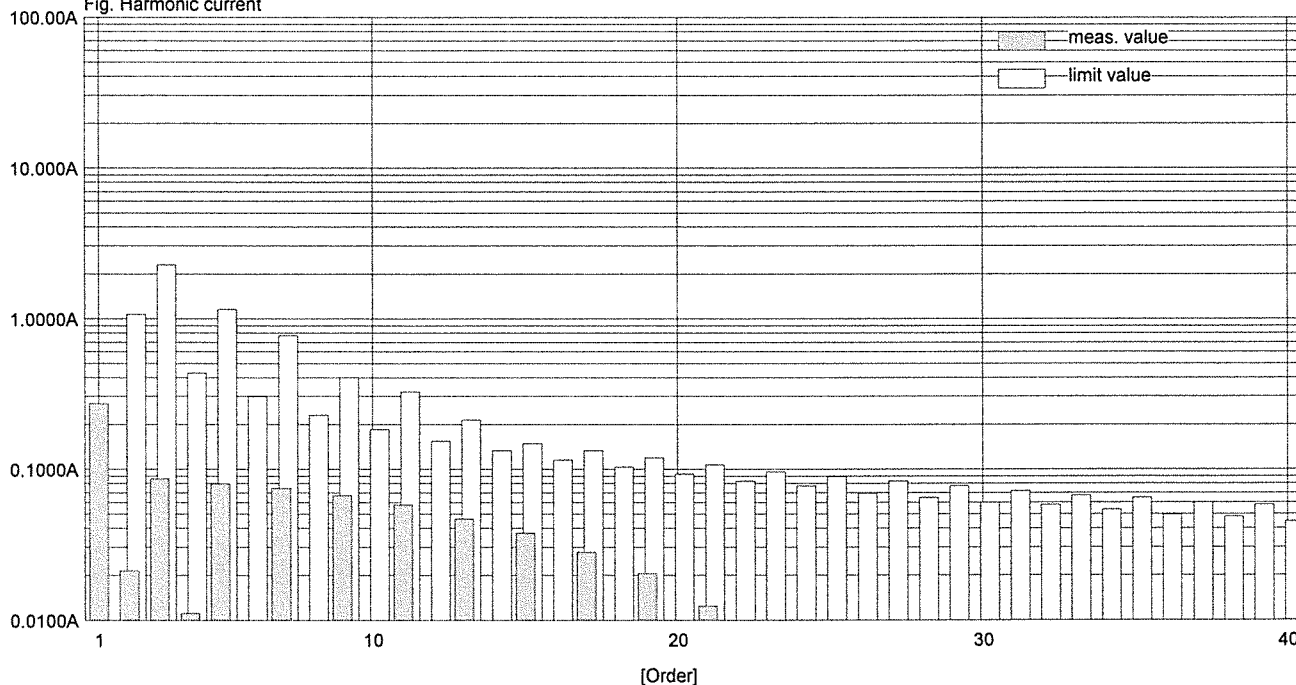
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 0.3776 A
 Voltage(rms) : 229.71 V
 Frequency : 50.000 Hz
 Power Factor : 0.5600
 POHC Limit : 0.2514 A
 POHC Max : 0.0286 A
 THC : 0.1865 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 419.0395 W
 Sigma PF : 0.5600
 Distortion factor(V) : 0.06 %
 V THDS : 0.06 %
 V THDG : 0.07 %
 Distortion factor(A) : 181.31 %
 A THDS : 181.44 %
 A THDG : 181.87 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.2717			2	0.0210	1.0800	98.1
3	0.0871	2.3000	96.2	4	0.0112	0.4300	97.4
5	0.0807	1.1400	92.9	6	0.0066	0.3000	97.8
7	0.0742	0.7700	90.4	8	0.0057	0.2300	97.5
9	0.0662	0.4000	83.5	10	0.0042	0.1840	97.7
11	0.0574	0.3300	82.6	12	0.0038	0.1533	97.5
13	0.0478	0.2100	77.2	14	0.0030	0.1314	97.7
15	0.0383	0.1500	74.5	16	0.0026	0.1150	97.8
17	0.0289	0.1324	78.2	18	0.0021	0.1022	98.0
19	0.0202	0.1184	82.9	20	0.0017	0.0920	98.2
21	0.0124	0.1071	88.4	22	0.0014	0.0836	98.3
23	0.0062	0.0978	93.7	24	0.0012	0.0767	98.4
25	0.0022	0.0900	97.5	26	0.0013	0.0708	98.2
27	0.0039	0.0833	95.3	28	0.0012	0.0657	98.2
29	0.0061	0.0776	92.2	30	0.0012	0.0613	98.1
31	0.0070	0.0726	90.3	32	0.0011	0.0575	98.1
33	0.0071	0.0682	89.6	34	0.0010	0.0541	98.1
35	0.0064	0.0643	90.1	36	0.0009	0.0511	98.1
37	0.0050	0.0608	91.7	38	0.0009	0.0484	98.2
39	0.0035	0.0577	93.9	40	0.0008	0.0460	98.2

Fig. Harmonic current



ECOSYS P6130cdn (Maximum)

Print Date : Wed Feb 04 14:51:32 2015
 MeasureDate : Wed Feb 04 14:50:59 2015
 Comment : Standby
 Option : PF-5100, IB-50

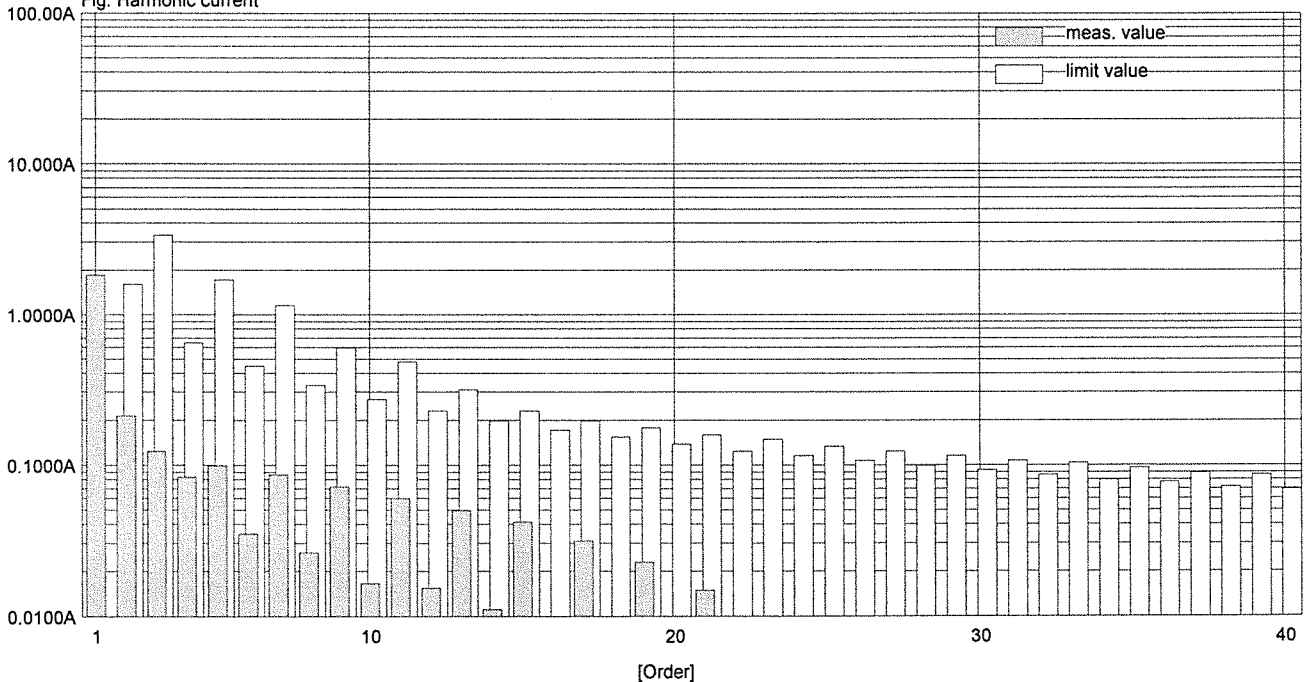
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 1.9159 A
 Voltage(rms) : 229.73 V
 Frequency : 50.004 Hz
 Power Factor : 0.9565
 Beyond Limit Time : 14.9999 s
 Beyond Total Time : 0.0000 s
 THC : 0.3192 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 419.0395 W
 Sigma PF : 0.9565
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.09 %
 Distortion factor(A) : 192.99 %
 A THDS : 193.00 %
 A THDG : 193.02 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.8305			2	0.2106	1.6200	87.0
3	0.1225	3.4500	96.4	4	0.0825	0.6450	87.2
5	0.0995	1.7100	94.2	6	0.0347	0.4500	92.3
7	0.0860	1.1550	92.6	8	0.0269	0.3450	92.2
9	0.0722	0.6000	88.0	10	0.0167	0.2760	93.9
11	0.0615	0.4950	87.6	12	0.0156	0.2300	93.2
13	0.0500	0.3150	84.1	14	0.0111	0.1971	94.4
15	0.0417	0.2250	81.4	16	0.0100	0.1725	94.2
17	0.0319	0.1985	83.9	18	0.0087	0.1533	94.3
19	0.0227	0.1776	87.2	20	0.0071	0.1380	94.8
21	0.0147	0.1607	90.8	22	0.0068	0.1255	94.6
23	0.0095	0.1467	93.5	24	0.0058	0.1150	95.0
25	0.0062	0.1350	95.4	26	0.0056	0.1062	94.7
27	0.0080	0.1250	93.6	28	0.0051	0.0986	94.9
29	0.0092	0.1164	92.1	30	0.0050	0.0920	94.5
31	0.0091	0.1089	91.6	32	0.0043	0.0862	95.0
33	0.0093	0.1023	90.9	34	0.0043	0.0812	94.7
35	0.0085	0.0964	91.1	36	0.0041	0.0767	94.7
37	0.0071	0.0912	92.2	38	0.0036	0.0726	95.1
39	0.0055	0.0865	93.6	40	0.0036	0.0690	94.8

Fig. Harmonic current



ECOSYS P6130cdn (Average)

Print Date : Wed Feb 04 13:51:50 2015
 MeasureDate : Wed Feb 04 13:51:19 2015
 Comment : 1Side Print
 Option : PF-5100, IB-50

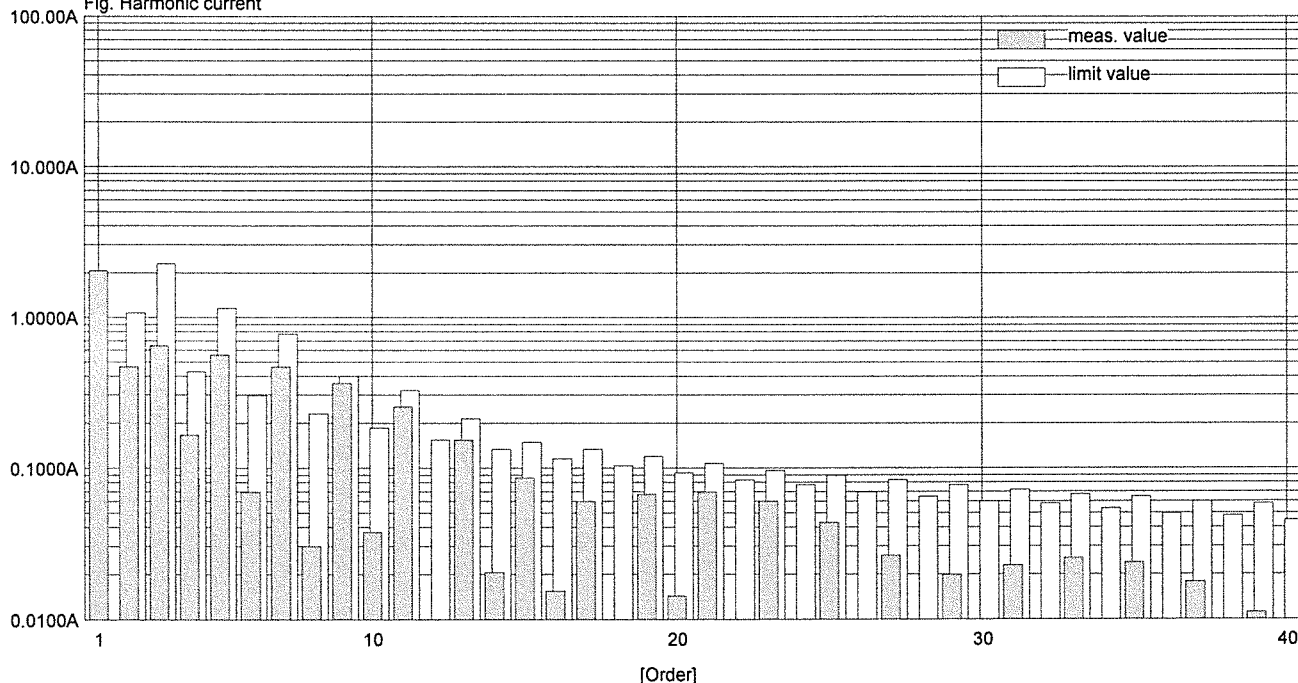
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.4090 A
 Voltage(rms) : 229.55 V
 Frequency : 49.999 Hz
 Power Factor : 0.8600
 POHC Limit : 0.2514 A
 POHC Max : 0.1208 A
 THC : 1.2174 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 533.3724 W
 Sigma PF : 0.8600
 Distortion factor(V) : 0.07 %
 V THDS : 0.07 %
 V THDG : 0.08 %
 Distortion factor(A) : 56.29 %
 A THDS : 56.35 %
 A THDG : 58.91 %
 P THD : 0.02 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.0768			2	0.4695	1.0800	56.5
3	0.6542	2.3000	71.6	4	0.1666	0.4300	61.3
5	0.5692	1.1400	50.1	6	0.0704	0.3000	76.5
7	0.4728	0.7700	38.6	8	0.0310	0.2300	86.5
9	0.3613	0.4000	9.7	10	0.0377	0.1840	79.5
11	0.2518	0.3300	23.7	12	0.0100	0.1533	93.4
13	0.1545	0.2100	26.4	14	0.0204	0.1314	84.5
15	0.0851	0.1500	43.3	16	0.0155	0.1150	86.5
17	0.0606	0.1324	54.2	18	0.0080	0.1022	92.1
19	0.0665	0.1184	43.9	20	0.0145	0.0920	84.2
21	0.0694	0.1071	35.3	22	0.0067	0.0836	92.0
23	0.0604	0.0978	38.2	24	0.0088	0.0767	88.5
25	0.0435	0.0900	51.6	26	0.0092	0.0708	87.0
27	0.0268	0.0833	67.8	28	0.0045	0.0657	93.2
29	0.0196	0.0776	74.8	30	0.0080	0.0613	87.0
31	0.0230	0.0726	68.3	32	0.0054	0.0575	90.6
33	0.0257	0.0682	62.3	34	0.0047	0.0541	91.4
35	0.0233	0.0643	63.7	36	0.0060	0.0511	88.2
37	0.0176	0.0608	71.1	38	0.0033	0.0484	93.2
39	0.0110	0.0577	81.0	40	0.0048	0.0460	89.6

Fig. Harmonic current



ECOSYS P6130cdn (Maximum)

Print Date : Wed Feb 04 13:51:50 2015
 MeasureDate : Wed Feb 04 13:51:19 2015
 Comment : 1Side Print
 Option : PF-5100, IB-50

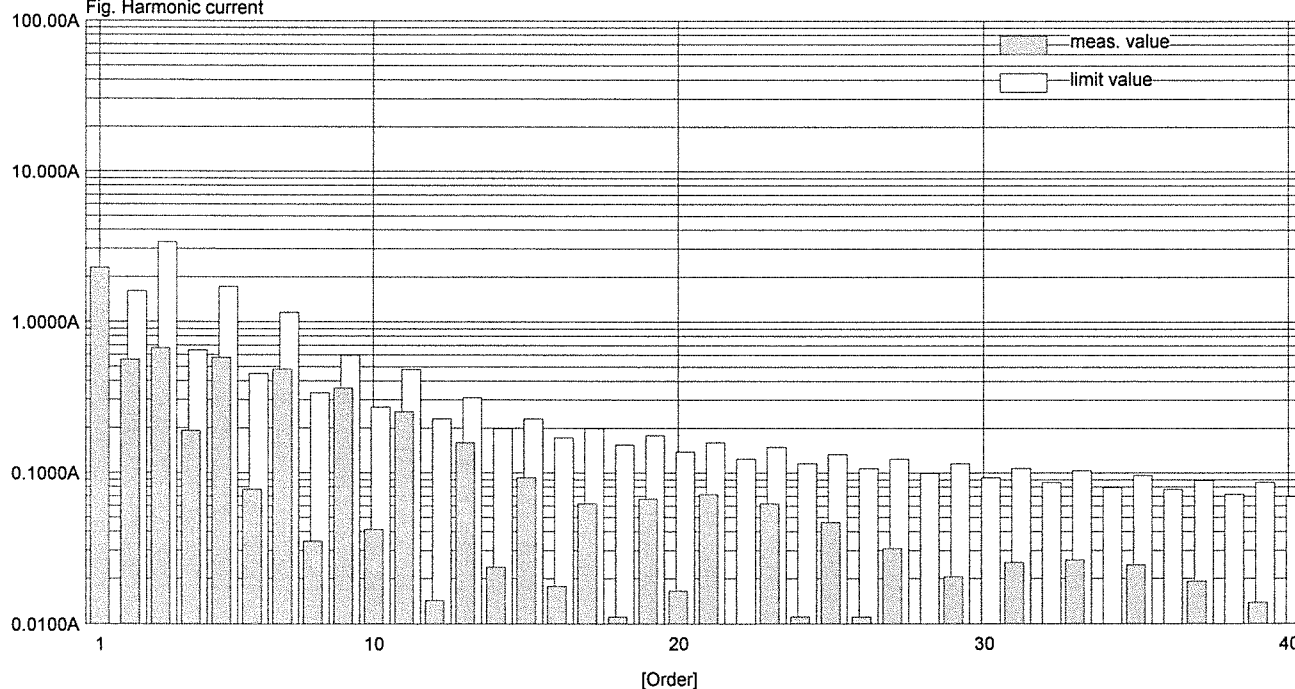
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.6088 A
 Voltage(rms) : 229.57 V
 Frequency : 50.008 Hz
 Power Factor : 0.8912
 Beyond Limit Time : 15.0004 s
 Beyond Total Time : 0.0000 s
 THC : 1.2730 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 533.3724 W
 Sigma PF : 0.8912
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.09 %
 Distortion factor(A) : 64.60 %
 A THDS : 64.60 %
 A THDG : 65.80 %
 P THD : 0.03 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.3276			2	0.5647	1.6200	65.1
3	0.6729	3.4500	80.5	4	0.1885	0.6450	70.8
5	0.5787	1.7100	66.2	6	0.0785	0.4500	82.6
7	0.4806	1.1550	58.4	8	0.0353	0.3450	89.8
9	0.3682	0.6000	38.6	10	0.0421	0.2760	84.7
11	0.2581	0.4950	47.9	12	0.0143	0.2300	93.8
13	0.1621	0.3150	48.5	14	0.0241	0.1971	87.8
15	0.0933	0.2250	58.5	16	0.0179	0.1725	89.6
17	0.0627	0.1985	68.4	18	0.0110	0.1533	92.8
19	0.0684	0.1776	61.5	20	0.0166	0.1380	87.9
21	0.0714	0.1607	55.6	22	0.0079	0.1255	93.7
23	0.0625	0.1467	57.4	24	0.0111	0.1150	90.3
25	0.0468	0.1350	65.4	26	0.0111	0.1062	89.6
27	0.0319	0.1250	74.5	28	0.0060	0.0986	94.0
29	0.0209	0.1164	82.1	30	0.0094	0.0920	89.8
31	0.0257	0.1089	76.4	32	0.0068	0.0862	92.1
33	0.0266	0.1023	74.0	34	0.0062	0.0812	92.3
35	0.0247	0.0964	74.4	36	0.0069	0.0767	91.0
37	0.0192	0.0912	78.9	38	0.0040	0.0726	94.5
39	0.0139	0.0865	84.0	40	0.0060	0.0690	91.3

Fig. Harmonic current



ECOSYS P6130cdn (Average)

Print Date : Wed Feb 04 13:43:19 2015
 MeasureDate : Wed Feb 04 13:41:39 2015
 Comment : Duplex Print
 Option : PF-5100, IB-50

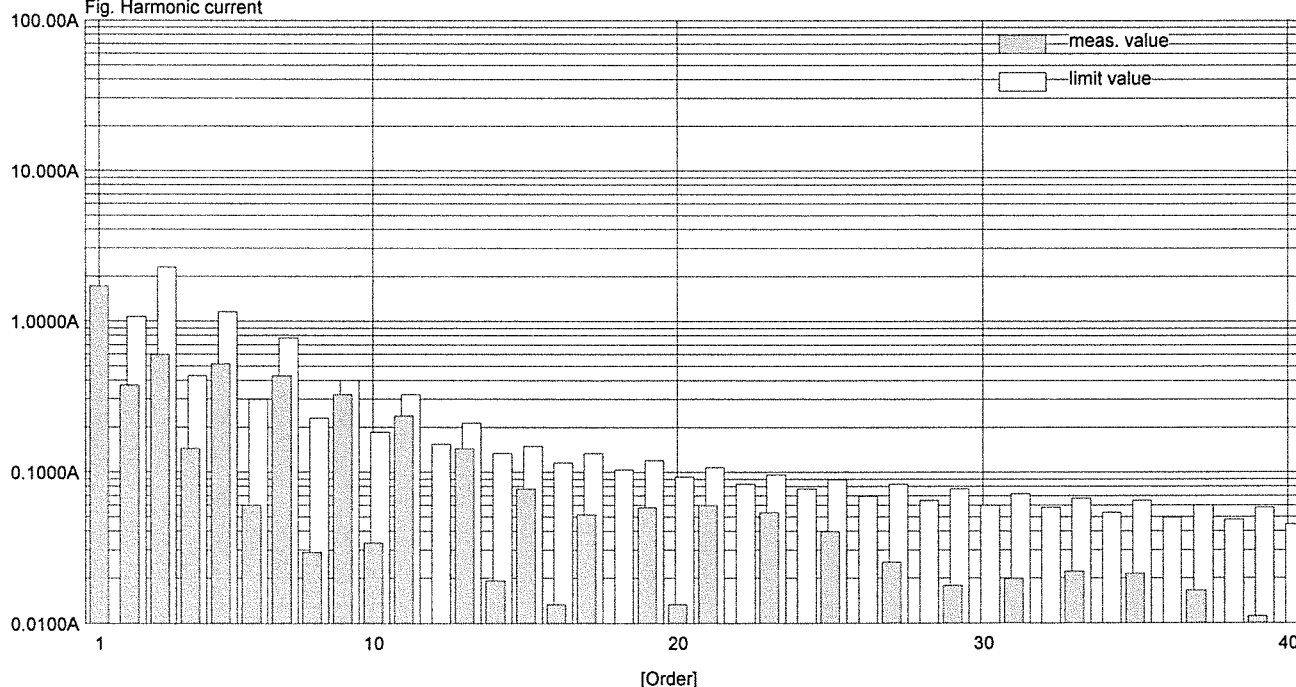
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.0401 A
 Voltage(rms) : 229.58 V
 Frequency : 50.000 Hz
 Power Factor : 0.8346
 POHC Limit : 0.2514 A
 POHC Max : 0.1129 A
 THC : 1.1065 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 491.8181 W
 Sigma PF : 0.8346
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.08 %
 Distortion factor(A) : 61.77 %
 A THDS : 62.21 %
 A THDG : 65.59 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.7099			2	0.3846	1.0800	64.4
3	0.6090	2.3000	73.5	4	0.1452	0.4300	66.2
5	0.5236	1.1400	54.1	6	0.0594	0.3000	80.2
7	0.4346	0.7700	43.6	8	0.0298	0.2300	87.0
9	0.3332	0.4000	16.7	10	0.0335	0.1840	81.8
11	0.2331	0.3300	29.4	12	0.0077	0.1533	94.9
13	0.1431	0.2100	31.9	14	0.0193	0.1314	85.3
15	0.0782	0.1500	47.9	16	0.0135	0.1150	88.2
17	0.0522	0.1324	60.6	18	0.0085	0.1022	91.7
19	0.0575	0.1184	51.5	20	0.0134	0.0920	85.5
21	0.0615	0.1071	42.6	22	0.0057	0.0836	93.1
23	0.0546	0.0978	44.2	24	0.0087	0.0767	88.6
25	0.0405	0.0900	55.0	26	0.0079	0.0708	88.8
27	0.0254	0.0833	69.5	28	0.0046	0.0657	93.1
29	0.0178	0.0776	77.0	30	0.0076	0.0613	87.6
31	0.0197	0.0726	72.8	32	0.0047	0.0575	91.9
33	0.0223	0.0682	67.3	34	0.0050	0.0541	90.7
35	0.0211	0.0643	67.2	36	0.0055	0.0511	89.2
37	0.0165	0.0608	72.9	38	0.0033	0.0484	93.2
39	0.0111	0.0577	80.7	40	0.0048	0.0460	89.6

Fig. Harmonic current



ECOSYS P6130cdn (Maximum)

Print Date : Wed Feb 04 13:43:19 2015
 MeasureDate : Wed Feb 04 13:41:39 2015
 Comment : Duplex Print
 Option : PF-5100, IB-50

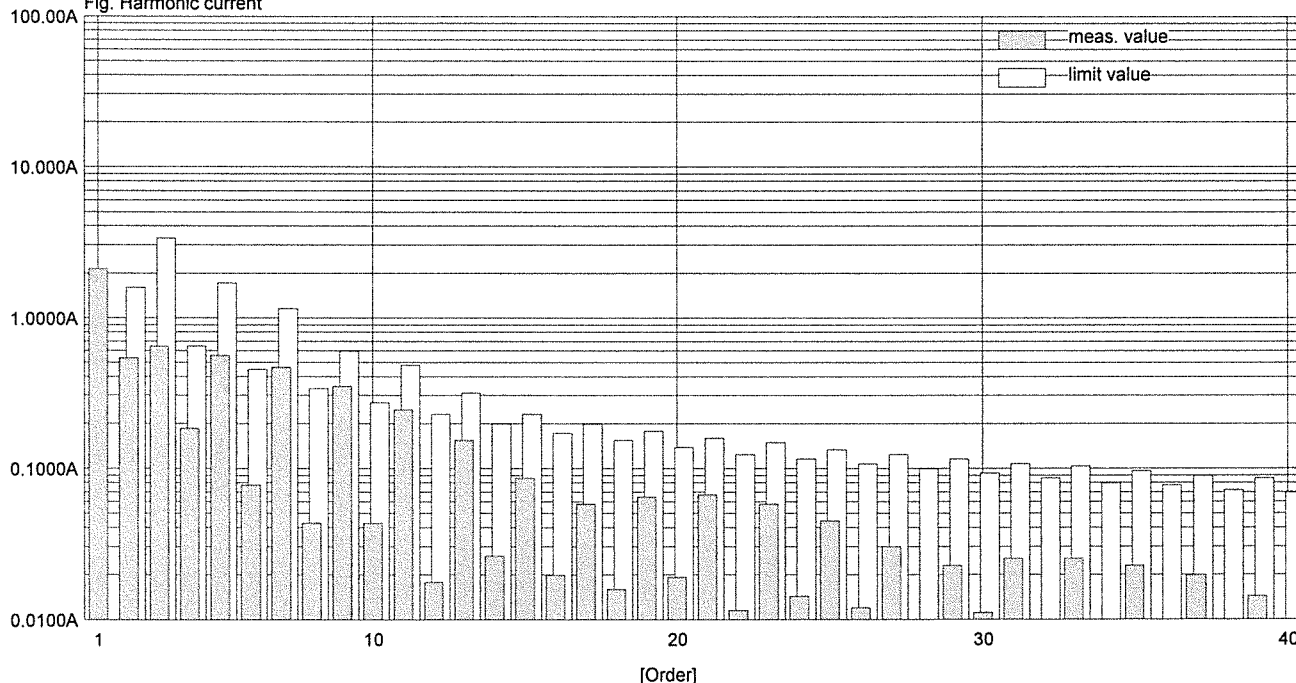
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.3957 A
 Voltage(rms) : 229.62 V
 Frequency : 50.008 Hz
 Power Factor : 0.8944
 Beyond Limit Time : 15.0001 s
 Beyond Total Time : 0.0000 s
 THC : 1.1913 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 491.8181 W
 Sigma PF : 0.8944
 Distortion factor(V) : 0.10 %
 V THDS : 0.10 %
 V THDG : 0.10 %
 Distortion factor(A) : 88.70 %
 A THDS : 88.70 %
 A THDG : 91.01 %
 P THD : 0.05 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.1456			2	0.5413	1.6200	66.6
3	0.6585	3.4500	80.9	4	0.1846	0.6450	71.4
5	0.5605	1.7100	67.2	6	0.0764	0.4500	83.0
7	0.4627	1.1550	59.9	8	0.0442	0.3450	87.2
9	0.3526	0.6000	41.2	10	0.0430	0.2760	84.4
11	0.2445	0.4950	50.6	12	0.0180	0.2300	92.2
13	0.1545	0.3150	51.0	14	0.0266	0.1971	86.5
15	0.0878	0.2250	61.0	16	0.0195	0.1725	88.7
17	0.0583	0.1985	70.6	18	0.0157	0.1533	89.8
19	0.0655	0.1776	63.1	20	0.0188	0.1380	86.4
21	0.0675	0.1607	58.0	22	0.0116	0.1255	90.8
23	0.0584	0.1467	60.2	24	0.0142	0.1150	87.7
25	0.0454	0.1350	66.4	26	0.0120	0.1062	88.7
27	0.0309	0.1250	75.3	28	0.0093	0.0986	90.6
29	0.0230	0.1164	80.3	30	0.0112	0.0920	87.8
31	0.0258	0.1089	76.3	32	0.0081	0.0862	90.6
33	0.0252	0.1023	75.3	34	0.0089	0.0812	89.0
35	0.0232	0.0964	75.9	36	0.0087	0.0767	88.7
37	0.0199	0.0912	78.2	38	0.0068	0.0726	90.6
39	0.0145	0.0865	83.3	40	0.0080	0.0690	88.4

Fig. Harmonic current



EN61000-3-3/2013

Voltage Fluctuations/Flicker Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Printer	ECOCYS P6035cdn	Z5U4Z00059
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

Date : 21 January, 2015

Temperature : 22°C

Humidity : 52%

Atom. Pressure : 1012hPa

Testing Place : Kyocera Document Solutions CE Test Room

Power Input : AC230V, 50Hz

Tested by : Takayuki Matsuura

J. Matsuura

This test was applied as follows.

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

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

ECOSYS P6035cdn

Print Date : Wed Jan 21 17:47:51 2015
MeasureDate : Wed Jan 21 17:43:59 2015
Comment : Standby
Option : PF-5100*3, IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed1.1
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Voltage U1 : 229.70V
Set Frequency : 50Hz
Frequency U1 : 50.000Hz
Element : 1
dmin : 0.10%

PASS

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

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.09	2.13	0.00	0.25
2	0.09	0.13	0.00	0.07
3	0.01	0.12	0.00	0.07
4	0.09	0.12	0.00	0.07
5	0.00	0.12	0.00	0.07
6	0.09	0.13	0.00	0.07
7	0.09	0.13	0.00	0.07
8	0.09	0.13	0.00	0.07
9	0.09	0.13	0.00	0.07
10	0.09	0.12	0.00	0.07
11	0.09	0.12	0.00	0.07
12	0.09	0.12	0.00	0.07

Plt
0.12

ECOSYS P6035cdn

Print Date : Wed Jan 21 15:40:20 2015
MeasureDate : Wed Jan 21 15:39:12 2015
Comment : Print
Option : PF-5100*3, IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed1.1
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Voltage U1 : 228.69V
Set Frequency : 50Hz
Frequency U1 : 50.000Hz
Element : 1
dmin : 0.10%

PASS

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

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.58	2.46	0.00	0.42
				Plt
				0.18

ECOSYS P6130cdn

Print Date : Fri Feb 06 15:50:25 2015
MeasureDate : Fri Feb 06 15:49:27 2015
Comment : Standby
Option : PF-5100*3, IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed1.1
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Voltage U1 : 228.92V
Set Frequency : 50Hz
Frequency U1 : 49.999Hz
Element : 1
dmin : 0.10%

PASS

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

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.10	1.97	0.00	0.70

Plt
0.31

ECOSYS P6130cdn

Print Date : Wed Feb 04 14:43:52 2015
MeasureDate : Wed Feb 04 14:42:32 2015
Comment : 1Side Print
Option : PF-5100*3, IB-50

Regulation : IEC61000-3-3 Ed2.0
IEC61000-4-15 Ed1.1
Interval : 10Min0Sec
Model : YOKOGAWA WT3000
Wiring : single-phase 2wire
Voltage Range : 300.00V
Voltage U1 : 228.88V
Set Frequency : 50Hz
Frequency U1 : 49.999Hz
Element : 1
dmin : 0.70%

PASS

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

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.04	2.01	0.00	0.71
				Plt
				0.31