

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>
Multi-Function Printer	ECOCYS M6535cidn	Z6D4Z00065
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Manual Stapler	MS-5100	V6Y4800015
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>
Multi-Function Printer	ECOCYS M6535cidn	Z6D4Z00065
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Manual Stapler	MS-5100	V6Y4800015
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 10-14-162

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: MFP

Type: ECOSYS M6535cidn

Serial number: Z6D4Z00065

Power rating: 230 VAC/50 Hz

Date of receipt of samples: 16 December 2014

Test period: From 24 December 2014 to 26 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	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
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
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 – indicates instruments used for the tests, -- – not used.

★ECOSYS M6535cidn (EN55022 Class B)

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<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>	
MFP	ECOSYS M6535cidn	Z6D4Z00065	●	●	●	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
Manual Stapler	MS-5100	V6Y4800015	●	●	●	Kyocera Document
PC	OPTIPLEX 380	09097	●	●	●	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

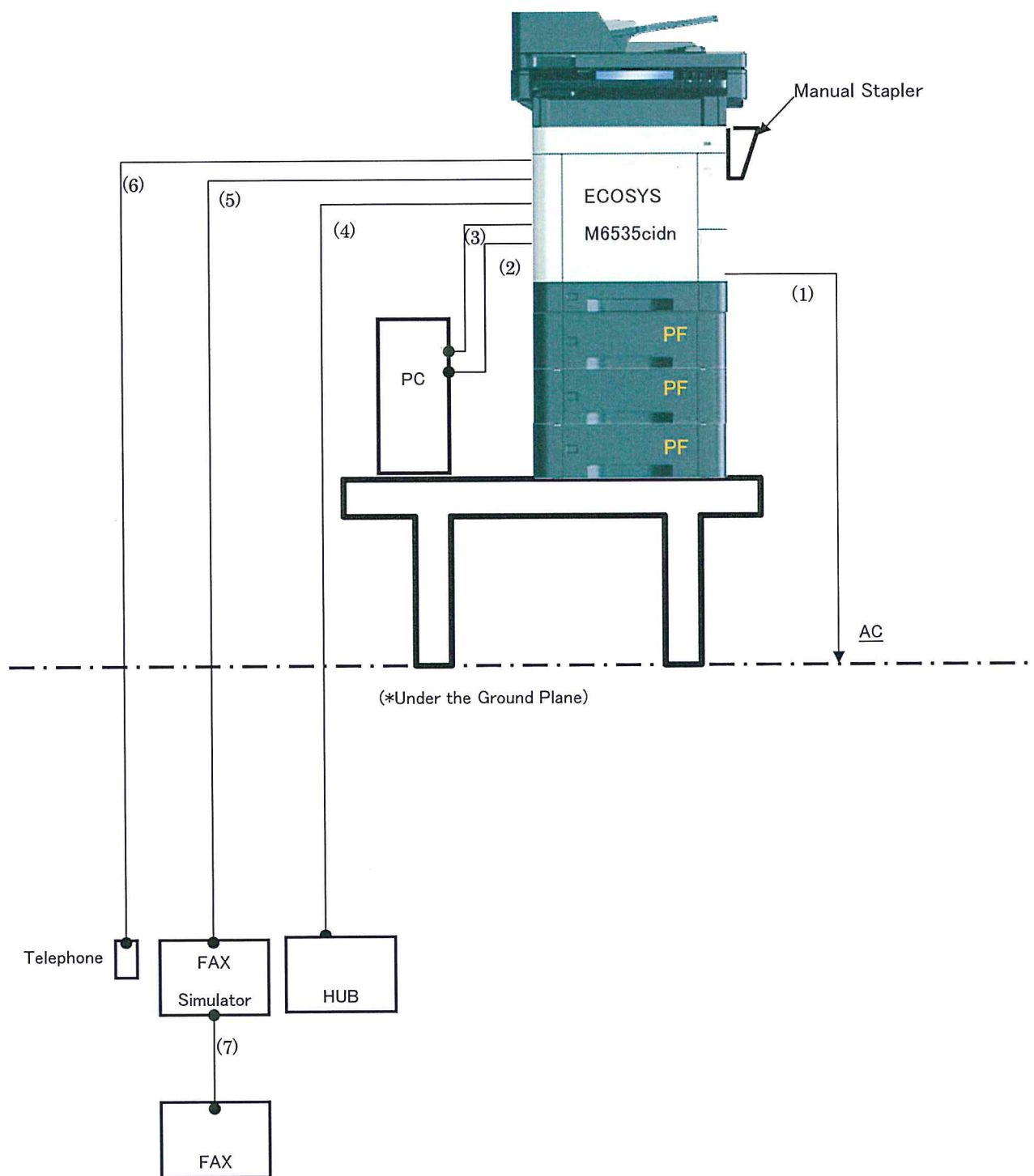
<i>No.</i>	<i>Operation Mode</i>	<i>System</i>	<i>Rad.EMI</i>		<i>Con.EMI</i>
			<i>MHz</i>	<i>GHz</i>	
①	Standby	A	○	○	○
②	Copy	A	○	○	○
③	LAN Print (On Board)+ FAX RX	B	○	---	○
④	LAN Print (Option NIC) (Wireless)	C	---	○	---
⑤	LAN Print (On Board) (Telecommunication Ports)	B	---	---	○
⑥	FAX RX (Telecommunication Ports)	A	---	---	○

©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	7 m	---	○	Metallic
5	Modular Cord for FAX Kit	7 m	---	---	Resinous
6	Modular Cord for Telephone	7 m	---	---	Resinous
7	Modular Cord for FAX	1 m	---	---	Resinous

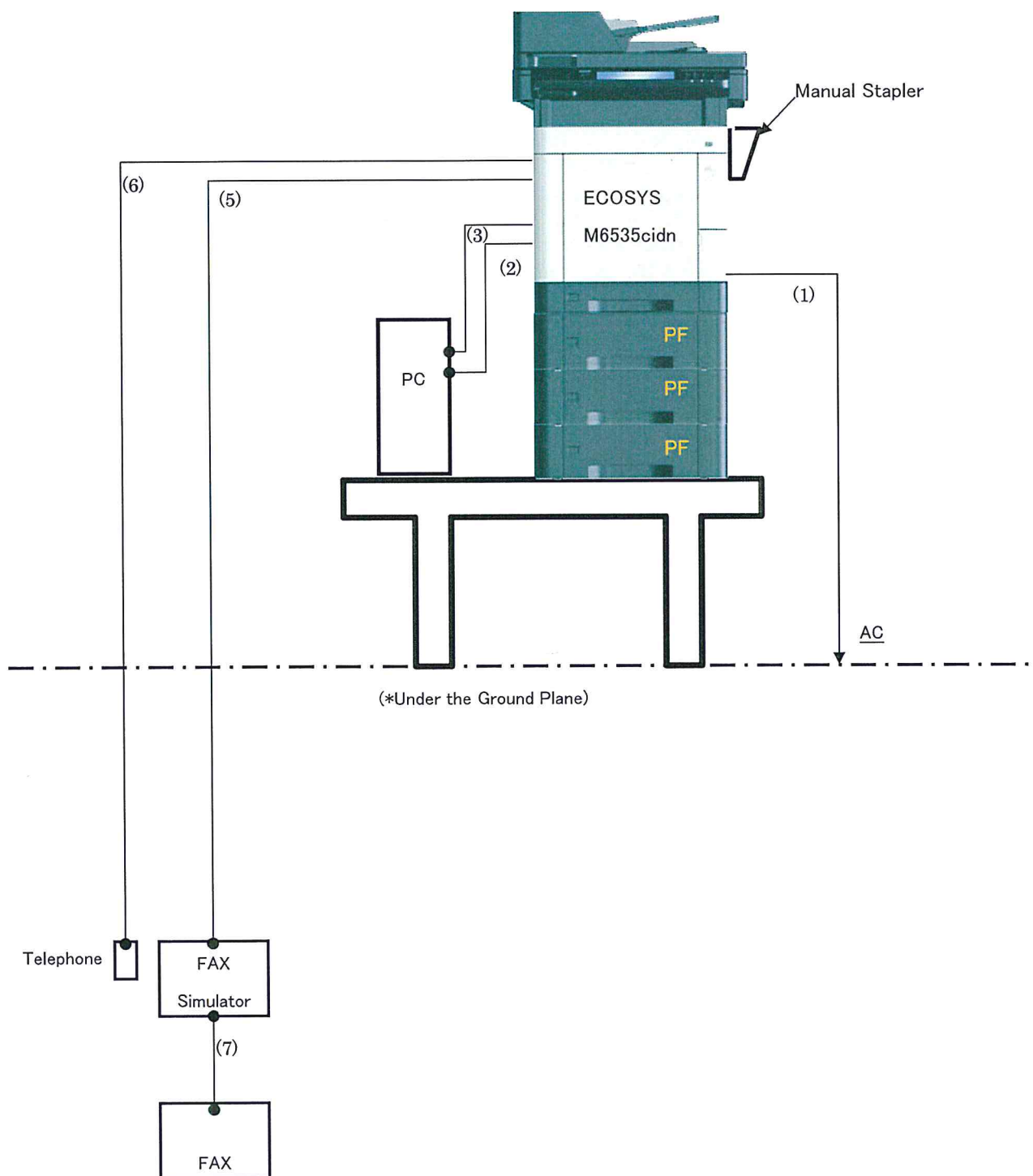
©Equipment Connection Figure

System A



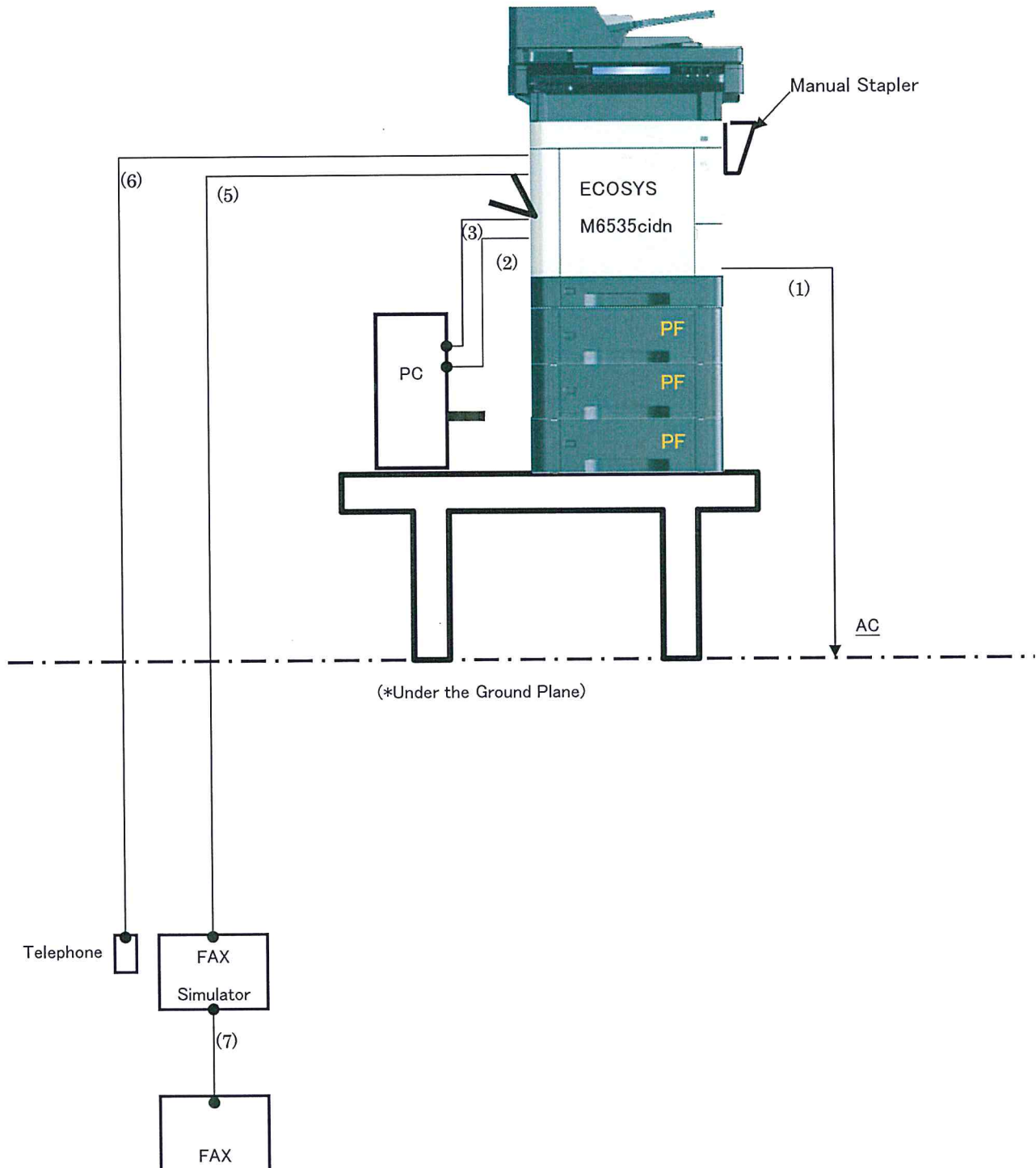
©Equipment Connection Figure

System B



©Equipment Connection Figure

System C

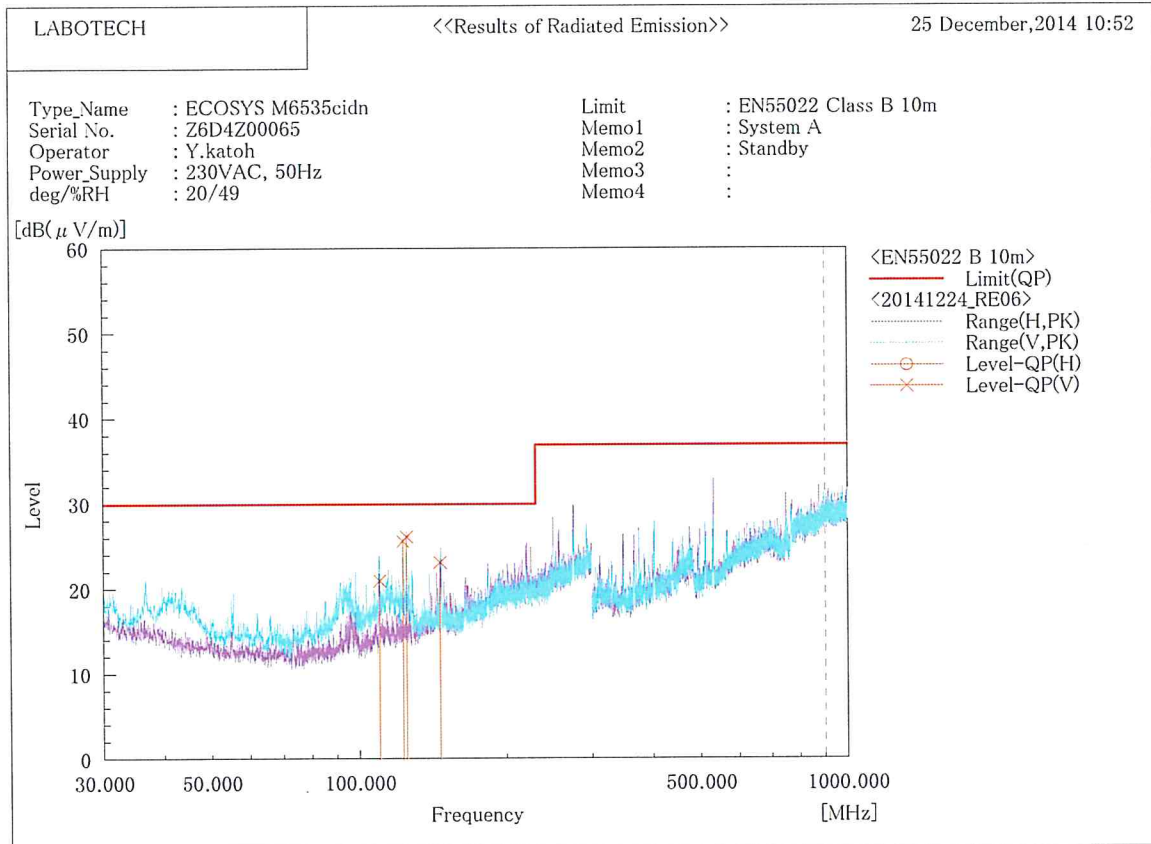


Test Results

Radiated disturbance (30 – 1000 MHz)

Operation Mode ① Standby

System A



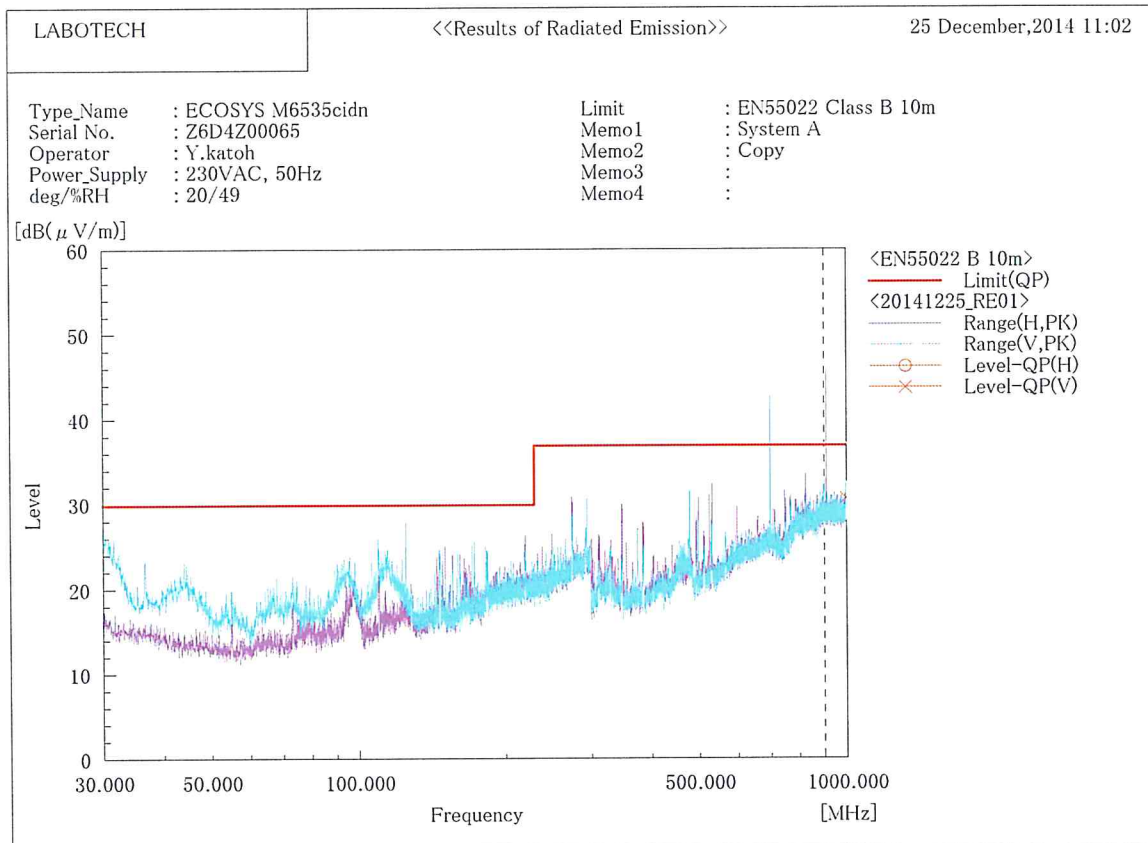
Final Result

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	110.243	V	34.93	-13.89	21.04	30.0	9.0	107.0	260.0
2	122.880	V	38.52	-12.87	25.65	30.0	4.3	103.0	282.0
3	125.001	V	38.90	-12.71	26.19	30.0	3.8	107.0	1.0
4	146.334	V	34.71	-11.52	23.19	30.0	6.8	99.0	1.0
5	533.330	H	38.00	-5.35	32.65	37.0	4.3	242.0	84.0
6	750.000	H	34.40	-1.37	33.03	37.0	4.0	192.0	56.0
7	875.000	H	30.83	1.79	32.62	37.0	4.4	303.0	134.0
8	1000.000	H	26.70	3.44	30.14	37.0	6.9	142.0	95.0

Radiated disturbance (30 – 1000 MHz)

Operation Mode ② Copy

System A



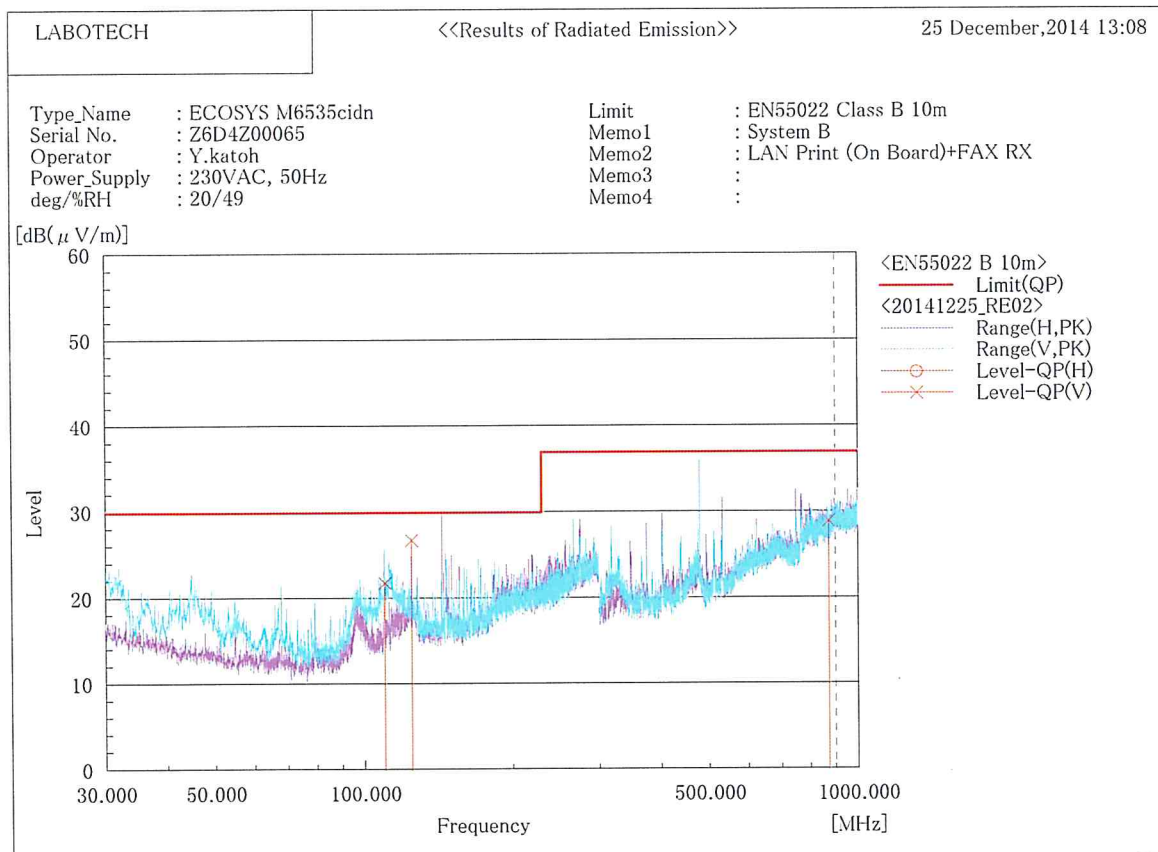
Final Result

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	110.261	V	37.29	-13.89	23.40	30.0	6.6	107.0	162.0
2	125.001	V	38.88	-12.71	26.17	30.0	3.8	100.0	3.0
3	146.335	V	35.33	-11.52	23.81	30.0	6.2	100.0	128.0
4	220.427	H	31.50	-7.58	23.92	30.0	6.1	200.0	359.0
5	349.156	H	38.93	-9.80	29.13	37.0	7.9	129.0	238.0
6	500.000	H	37.68	-6.60	31.08	37.0	5.9	107.0	231.0
7	533.330	H	36.50	-5.35	31.15	37.0	5.8	105.0	75.0
8	750.000	H	31.66	-1.37	30.29	37.0	6.7	213.0	69.0
9	875.000	H	26.66	1.79	28.45	37.0	8.5	360.0	47.0
10	1000.000	H	28.40	3.44	31.84	37.0	5.2	153.0	158.0
11	1000.000	V	27.36	3.44	30.80	37.0	6.2	160.0	225.0

Radiated disturbance (30 – 1000 MHz)

Operation Mode ③ LAN Print (On Board)+ FAX RX

System B



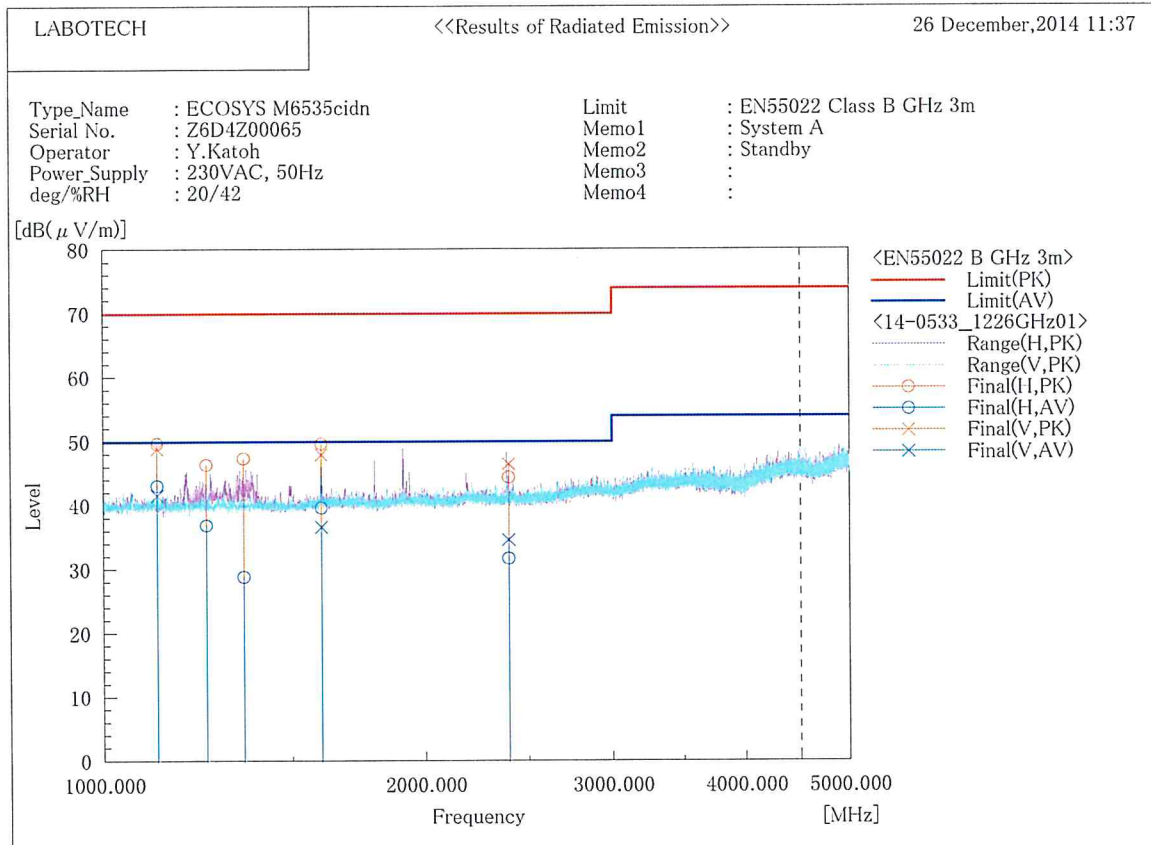
Final Result

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	110.248	V	35.69	-13.89	21.80	30.0	8.2	131.0	172.0
2	125.001	V	39.50	-12.71	26.79	30.0	3.2	100.0	10.0
3	144.002	H	32.30	-11.60	20.70	30.0	9.3	384.0	47.0
4	145.195	H	35.19	-11.55	23.64	30.0	6.4	399.0	54.0
5	533.330	H	36.88	-5.35	31.53	37.0	5.5	100.0	91.0
6	750.000	H	32.92	-1.37	31.55	37.0	5.5	208.0	61.0
7	770.500	H	27.72	-0.54	27.18	37.0	9.8	213.0	61.0
8	875.000	V	27.19	1.79	28.98	37.0	8.0	189.0	157.0
9	1000.000	H	25.09	3.44	28.53	37.0	8.5	198.0	61.0

Radiated disturbance (1000 – 5000 MHz)

Operation Mode ① Standby

System A



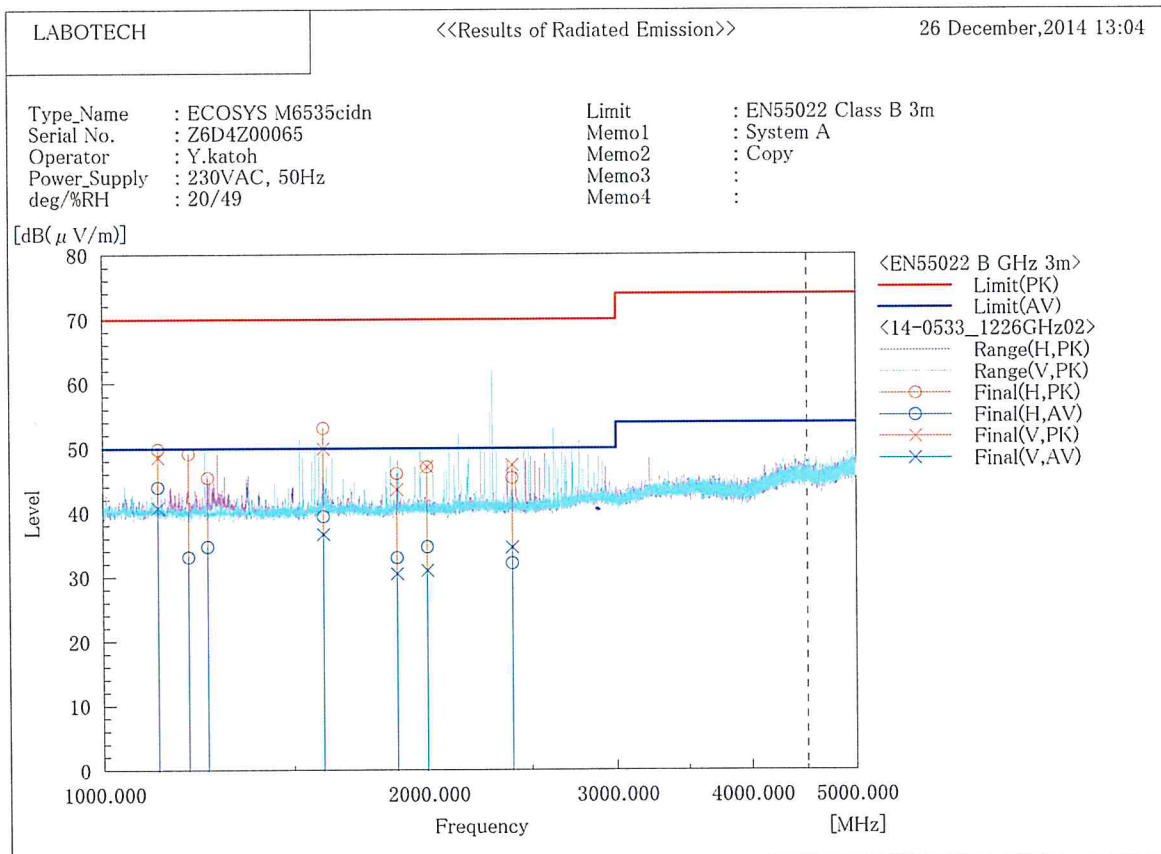
Final Result

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	1124.997	H	54.50	47.90	-4.74	49.76	43.16	70.0	50.0	20.2	6.8	139.0	144.0
2	1124.997	V	53.70	46.34	-4.74	48.96	41.60	70.0	50.0	21.0	8.4	143.0	139.0
3	1250.000	H	50.74	41.28	-4.31	46.43	36.97	70.0	50.0	23.6	13.0	159.0	93.0
4	1353.714	H	51.40	32.90	-3.97	47.43	28.93	70.0	50.0	22.6	21.1	100.0	27.0
5	1600.000	H	52.79	42.80	-3.12	49.67	39.68	70.0	50.0	20.3	10.3	143.0	195.0
6	1600.000	V	51.12	39.82	-3.12	48.00	36.70	70.0	50.0	22.0	13.3	135.0	150.0
7	2400.002	H	47.19	34.51	-2.74	44.45	31.77	70.0	50.0	25.5	18.2	158.0	209.0
8	2400.002	V	49.26	37.42	-2.74	46.52	34.68	70.0	50.0	23.5	15.3	149.0	23.0

Radiated disturbance (1000 – 5000 MHz)

Operation Mode ② Copy

System A



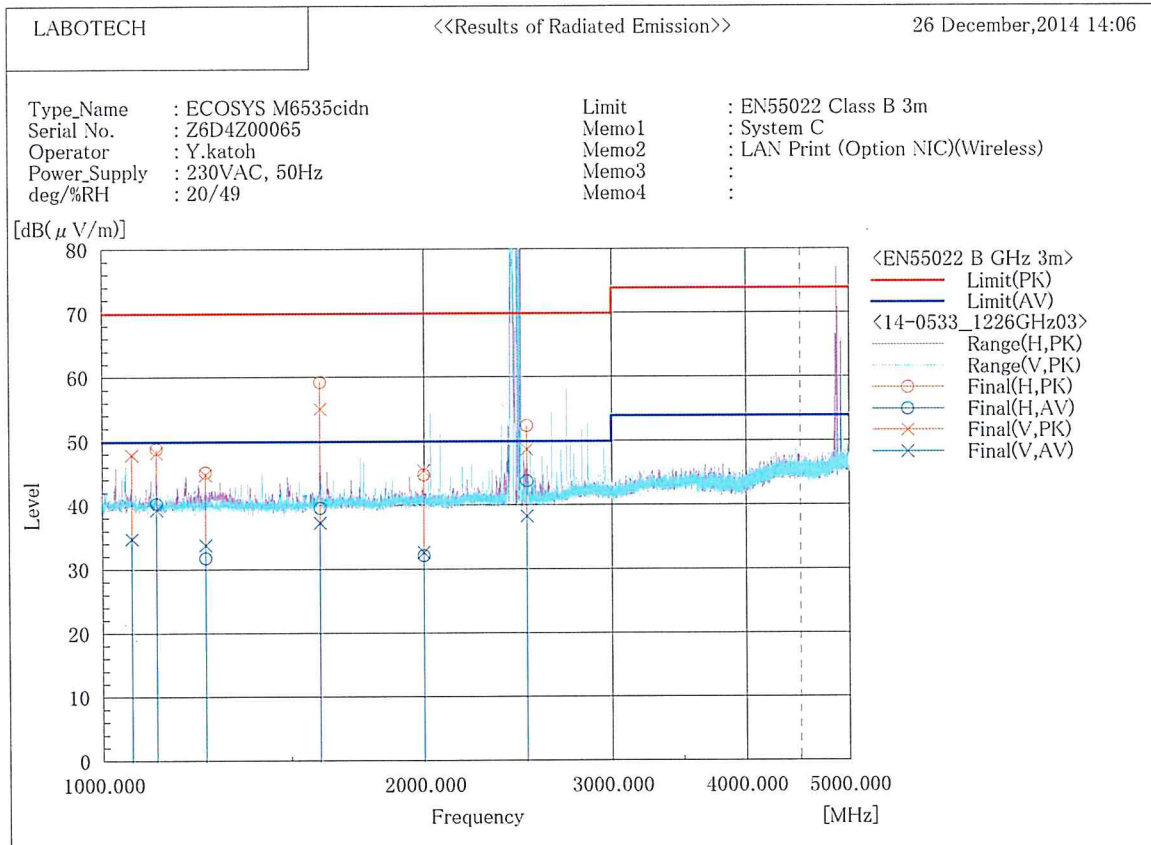
Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μ V)]	Reading AV [dB(μ V)]	c.f [dB(1/m)]	Result PK [dB(μ V/m)]	Result AV [dB(μ V/m)]	Limit PK [dB(μ V/m)]	Limit AV [dB(μ V/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	1124.948	V	53.38	45.58	-1.74	48.64	40.84	70.0	50.0	21.4	9.2	131.0	106.0
2	1124.948	H	54.67	48.75	-1.74	49.93	44.01	70.0	50.0	20.1	6.0	149.0	117.0
3	1200.000	H	53.74	37.71	-1.51	49.23	33.20	70.0	50.0	20.8	16.8	161.0	342.0
4	1250.008	H	49.79	39.09	-4.31	45.48	34.78	70.0	50.0	24.5	15.2	109.0	85.0
5	1600.000	H	56.31	42.62	-3.12	53.19	39.50	70.0	50.0	16.8	10.5	111.0	131.0
6	1600.000	V	53.14	39.86	-3.12	50.02	36.74	70.0	50.0	20.0	13.3	140.0	150.0
7	1875.000	V	46.42	33.39	-2.79	43.63	30.60	70.0	50.0	26.4	19.4	114.0	231.0
8	1875.000	H	48.95	35.85	-2.79	46.16	33.06	70.0	50.0	23.8	16.9	200.0	128.0
9	2000.000	V	49.85	33.75	-2.65	47.20	31.10	70.0	50.0	22.9	15.2	180.0	135.0
10	2000.000	H	49.78	37.41	-2.65	47.13	34.76	70.0	50.0	24.5	17.8	148.0	168.0
11	2400.000	H	48.20	34.94	-2.74	45.46	32.20	70.0	50.0	24.5	17.8	148.0	168.0
12	2400.000	V	50.20	37.42	-2.74	47.46	34.68	70.0	50.0	22.5	15.3	169.0	18.0

Radiated disturbance (1000 – 5000 MHz)

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

System C



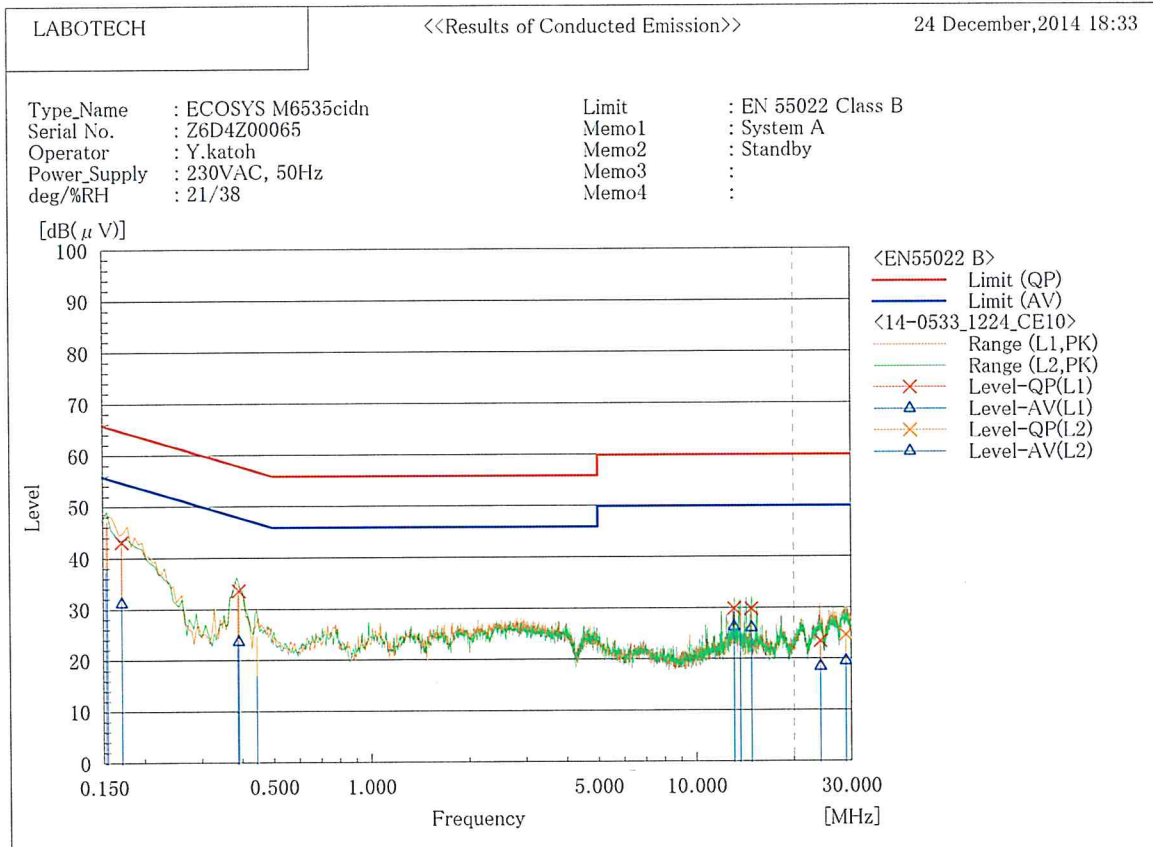
Final Result

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	1066.665	V	52.92	39.79	-4.92	48.00	34.87	70.0	50.0	22.0	15.1	100.0	87.0
2	1125.010	H	53.70	15.12	-4.71	48.96	40.38	70.0	50.0	21.0	9.6	142.0	140.0
3	1125.040	V	53.06	44.13	-4.74	48.32	39.39	70.0	50.0	21.7	10.6	148.0	137.0
4	1250.000	H	49.62	36.19	-4.31	45.31	31.88	70.0	50.0	24.7	18.1	181.0	333.0
5	1250.000	V	49.20	38.23	-4.31	44.89	33.92	70.0	50.0	25.1	16.1	180.0	180.0
6	1600.000	V	58.26	40.51	-3.12	55.14	37.39	70.0	50.0	14.9	12.6	179.0	136.0
7	1600.000	H	62.43	42.83	-3.12	59.31	39.71	70.0	50.0	10.7	10.3	139.0	190.0
8	2000.000	V	48.13	35.40	-2.65	45.48	32.75	70.0	50.0	24.5	17.2	170.0	80.0
9	2000.000	H	47.49	34.85	-2.65	44.84	32.20	70.0	50.0	25.2	17.8	200.0	5.0
10	2500.000	V	51.39	41.00	-2.62	48.77	38.38	70.0	50.0	21.2	11.6	150.0	148.0
11	2500.000	H	55.09	46.47	-2.62	52.47	43.85	70.0	50.0	17.5	6.1	131.0	129.0

Conducted disturbance (Mains Ports)

Operation Mode ① Standby

System A



Final Result

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15507	37.2	28.1	10.1	47.3	38.2	65.7	55.7	18.4	17.5
2	0.17202	33.2	21.2	10.1	43.3	31.3	64.9	54.9	21.6	23.6
3	0.39269	23.5	13.6	10.2	33.7	23.8	58.0	48.0	24.3	24.2
4	13.1255	18.7	15.1	11.3	30.0	26.4	60.0	50.0	30.0	23.6
5	14.8381	18.6	14.8	11.4	30.0	26.2	60.0	50.0	30.0	23.8
6	24.2262	11.6	6.6	12.0	23.6	18.6	60.0	50.0	36.4	31.4

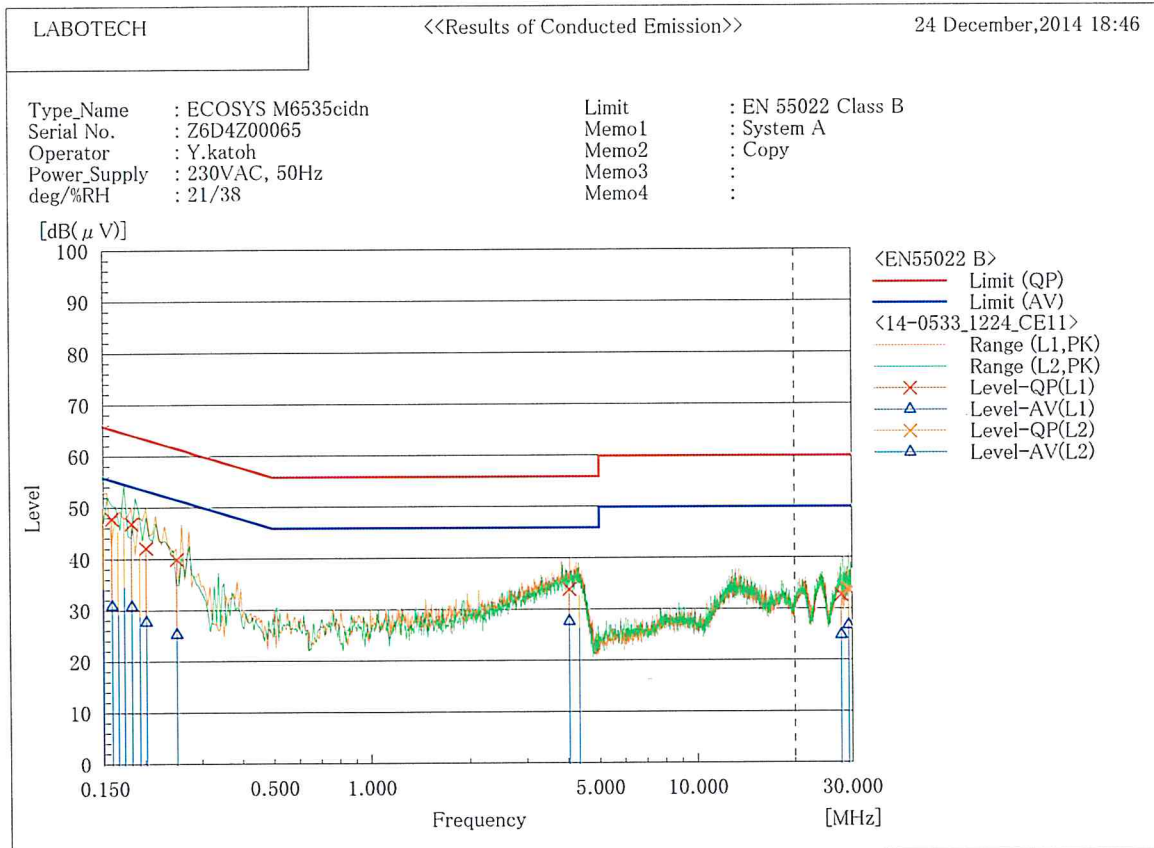
--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15367	36.4	27.3	10.1	46.5	37.4	65.8	55.8	19.3	18.4
2	0.38867	24.6	14.9	10.1	34.7	25.0	58.1	48.1	23.4	23.1
3	0.44638	14.7	7.0	10.1	24.8	17.1	56.9	46.9	32.1	29.8
4	13.6968	18.8	14.8	11.2	30.0	26.0	60.0	50.0	30.0	24.0
5	14.8419	18.2	13.6	11.3	29.5	24.9	60.0	50.0	30.5	25.1
6	28.9863	12.8	7.7	12.0	24.8	19.7	60.0	50.0	35.2	30.3

Conducted disturbance (Mains Ports)

Operation Mode ② Copy

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(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.16009	37.9	20.9	10.1	48.0	31.0	65.5	55.5	17.5	24.5
2	0.18395	37.0	20.8	10.1	47.1	30.9	64.3	54.3	17.2	23.4
3	0.20335	32.2	17.8	10.1	42.3	27.9	63.5	53.5	21.2	25.6
4	0.25229	30.1	15.4	10.1	40.2	25.5	61.7	51.7	21.5	26.2
5	4.05575	23.5	17.2	10.6	34.1	27.8	56.0	46.0	21.9	18.2
6	27.9786	20.7	12.8	12.2	32.9	25.0	60.0	50.0	27.1	25.0

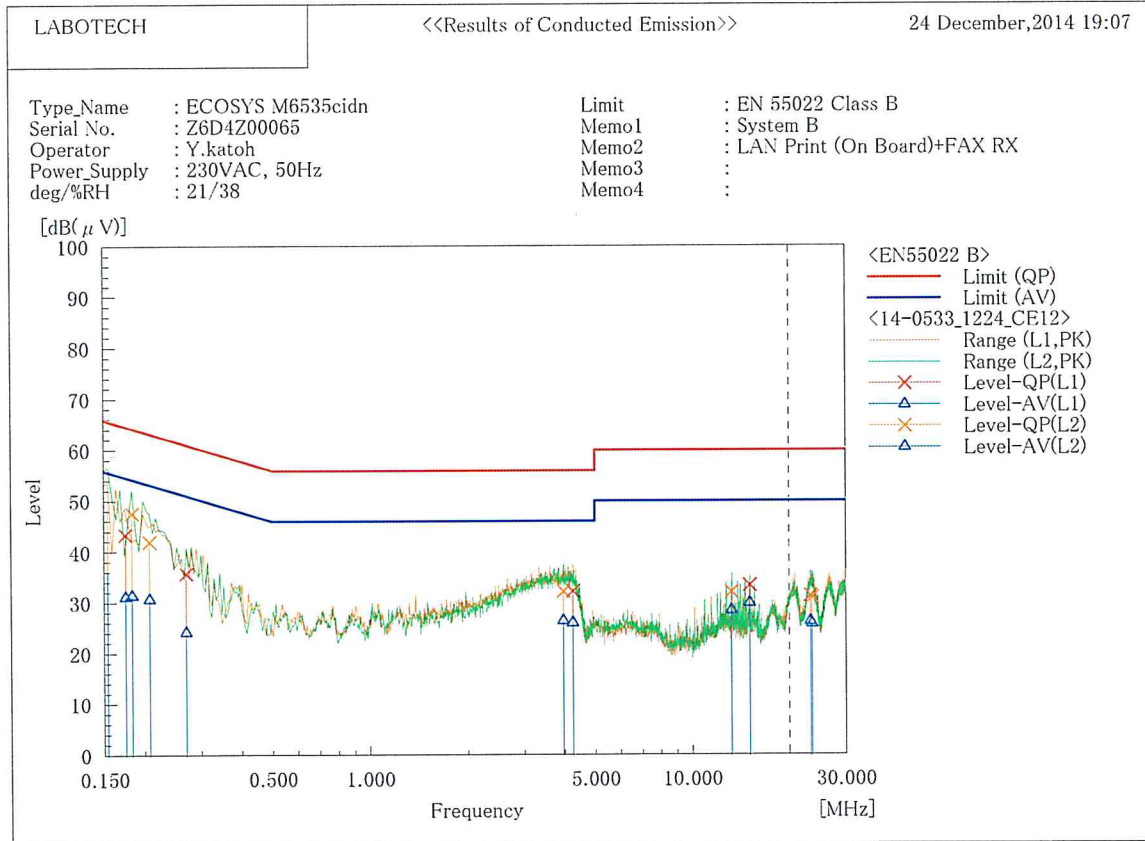
--- L2 Phase ---

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(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.15061	40.0	24.2	10.1	50.1	34.3	66.0	56.0	15.9	21.7
2	0.16702	35.5	19.3	10.1	45.6	29.4	65.1	55.1	19.5	25.7
3	0.17425	39.0	24.6	10.1	49.1	34.7	64.8	54.8	15.7	20.1
4	0.19477	31.0	18.8	10.1	41.1	28.9	63.8	53.8	22.7	24.9
5	4.34675	22.4	15.8	10.6	33.0	26.4	56.0	46.0	23.0	19.6
6	29.4246	22.0	14.9	12.0	34.0	26.9	60.0	50.0	26.0	23.1

Conducted disturbance (Mains Ports)

Operation Mode ③ LAN Print (On Board)+ FAX RX

System B



Final Result

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	40.5	29.9	10.1	50.6	40.0	66.0	56.0	15.4	16.0
2	0.17571	33.4	21.2	10.1	43.5	31.3	64.7	54.7	21.2	23.4
3	0.26999	25.8	14.2	10.1	35.9	24.3	61.1	51.1	25.2	26.8
4	4.26852	21.7	15.5	10.6	32.3	26.1	56.0	46.0	23.7	19.9
5	15.15885	22.1	18.5	11.4	33.5	29.9	60.0	50.0	26.5	20.1
6	23.400	19.5	14.4	11.9	31.4	26.3	60.0	50.0	28.6	23.7

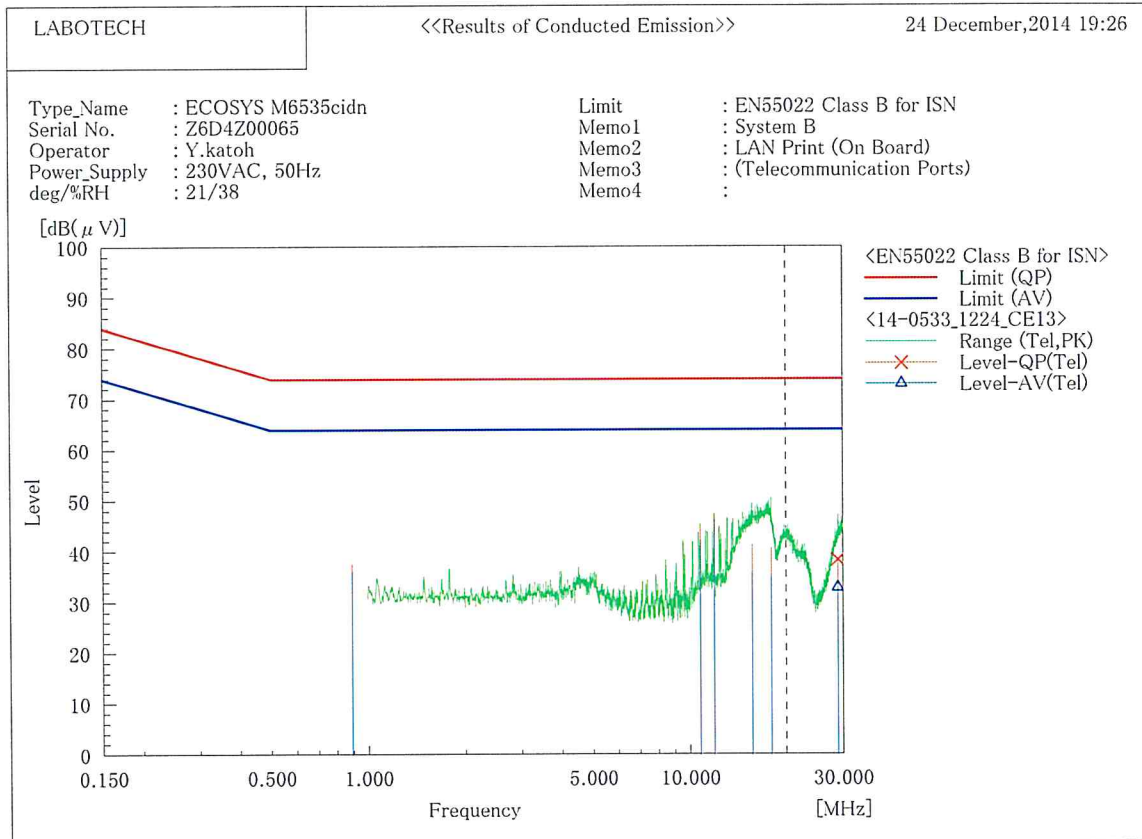
--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15454	38.3	26.1	10.1	48.4	36.2	65.8	55.8	17.4	19.6
2	0.18395	37.6	21.4	10.1	47.7	31.5	64.3	54.3	16.6	22.8
3	0.2082	32.0	20.7	10.1	42.1	30.8	63.3	53.3	21.2	22.5
4	3.98965	21.7	15.9	10.6	32.3	26.5	56.0	46.0	23.7	19.5
5	13.3144	20.9	17.3	11.2	32.1	28.5	60.0	50.0	27.9	21.5
6	23.6361	19.3	14.0	11.8	31.1	25.8	60.0	50.0	28.9	24.2

Conducted disturbance (Telecommunication Ports)

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

System B



Final Result

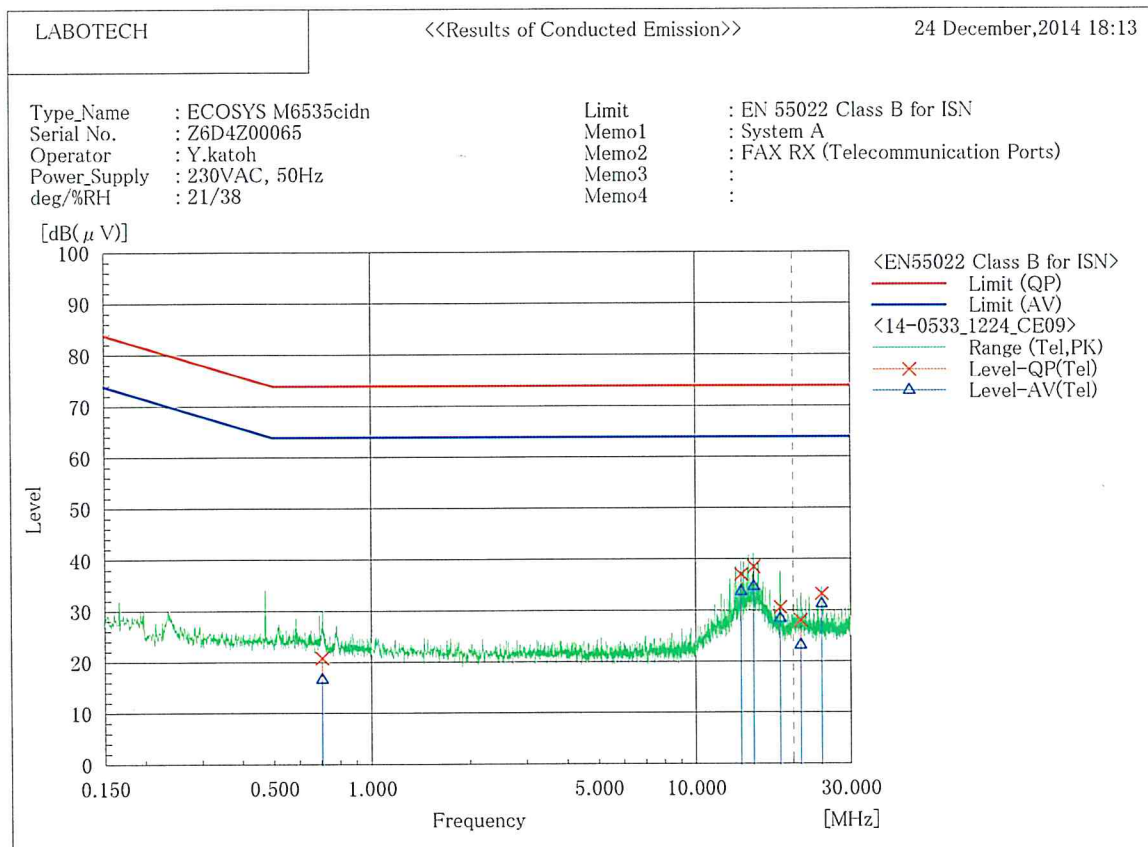
--- Tel Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.89631	27.8	26.3	9.9	37.7	36.2	74.0	64.0	36.3	27.8
2	10.847	33.8	30.9	10.5	44.3	41.4	74.0	64.0	29.7	22.6
3	11.9907	35.7	32.9	10.5	46.2	43.4	74.0	64.0	27.8	20.6
4	15.7105	30.7	25.1	10.7	41.4	35.8	74.0	64.0	32.6	28.2
5	18.0378	30.1	24.4	10.7	40.8	35.1	74.0	64.0	33.2	28.9
6	29.014	27.4	21.9	11.0	38.4	32.9	74.0	64.0	35.6	31.1

Conducted disturbance (Telecommunication Ports)

Operation Mode ⑥ FAX RX (Telecommunication Ports)

System A



Final Result

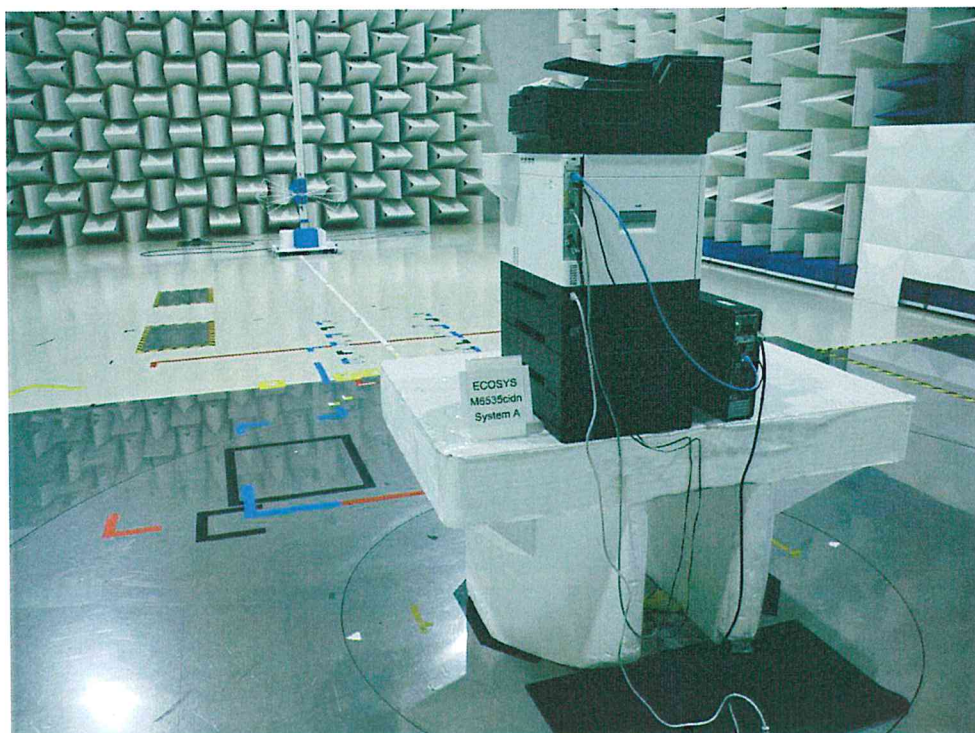
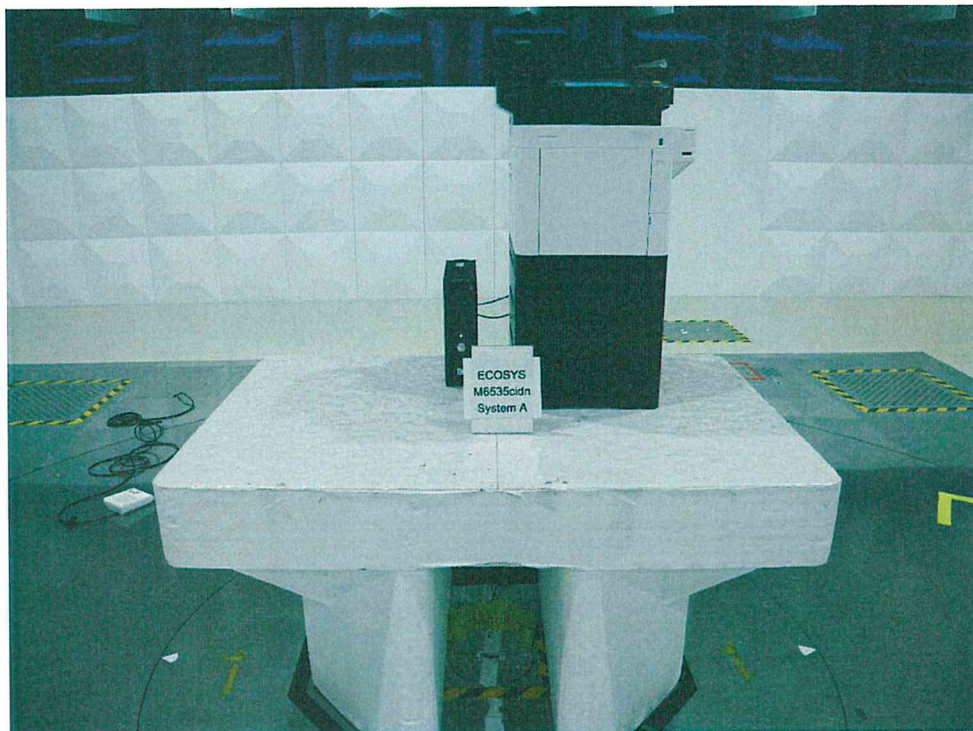
--- No Title Phase ---

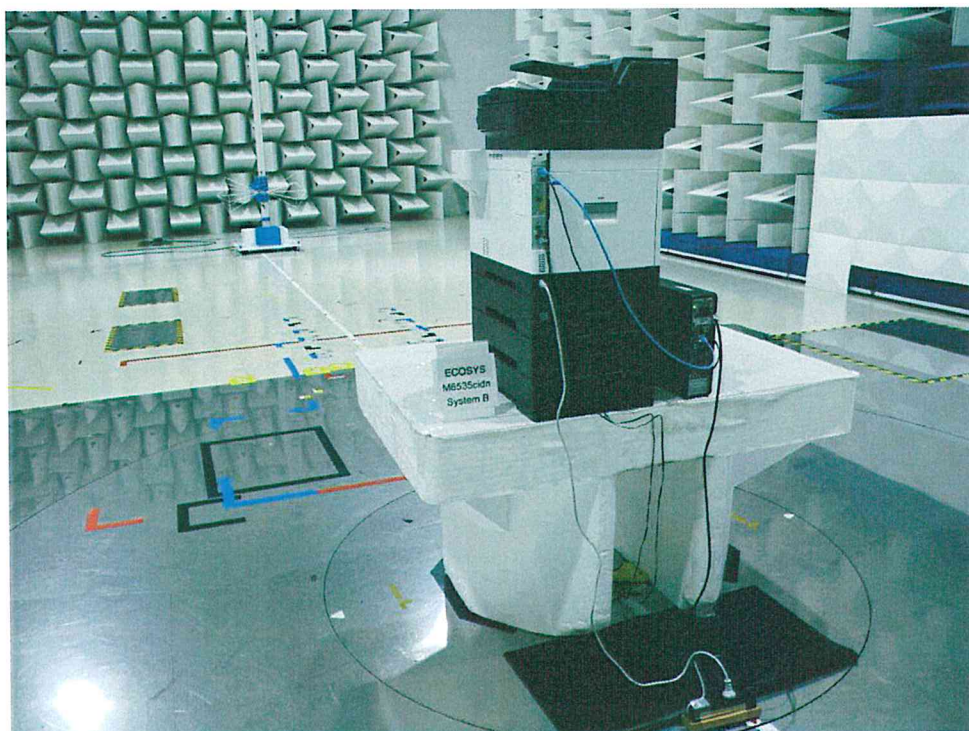
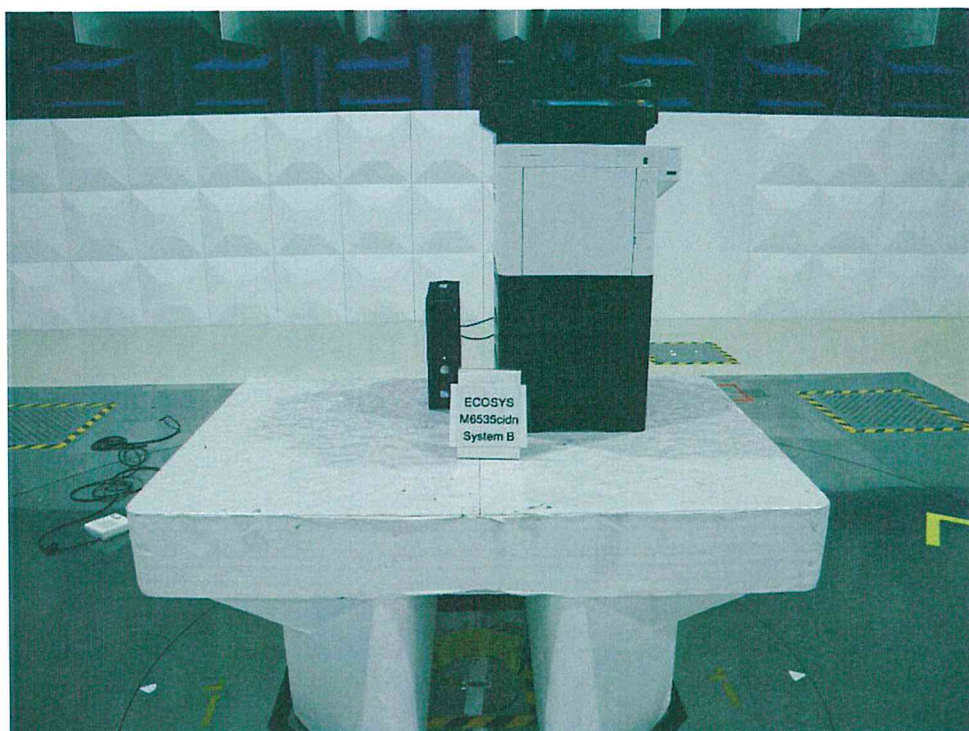
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.70692	11.3	7.0	9.7	21.0	16.7	74.0	64.0	53.0	47.3
2	13.865	26.7	23.3	10.5	37.2	33.8	74.0	64.0	36.8	30.2
3	15.1773	28.2	24.3	10.5	38.7	34.8	74.0	64.0	35.3	29.2
4	18.3438	20.0	17.9	10.7	30.7	28.6	74.0	64.0	43.3	35.4
5	21.1654	17.3	12.4	10.9	28.2	23.3	74.0	64.0	45.8	40.7
6	24.576	22.1	20.2	11.2	33.3	31.4	74.0	64.0	40.7	32.6

Photographs of Test Setup/Arrangement

Radiated disturbance

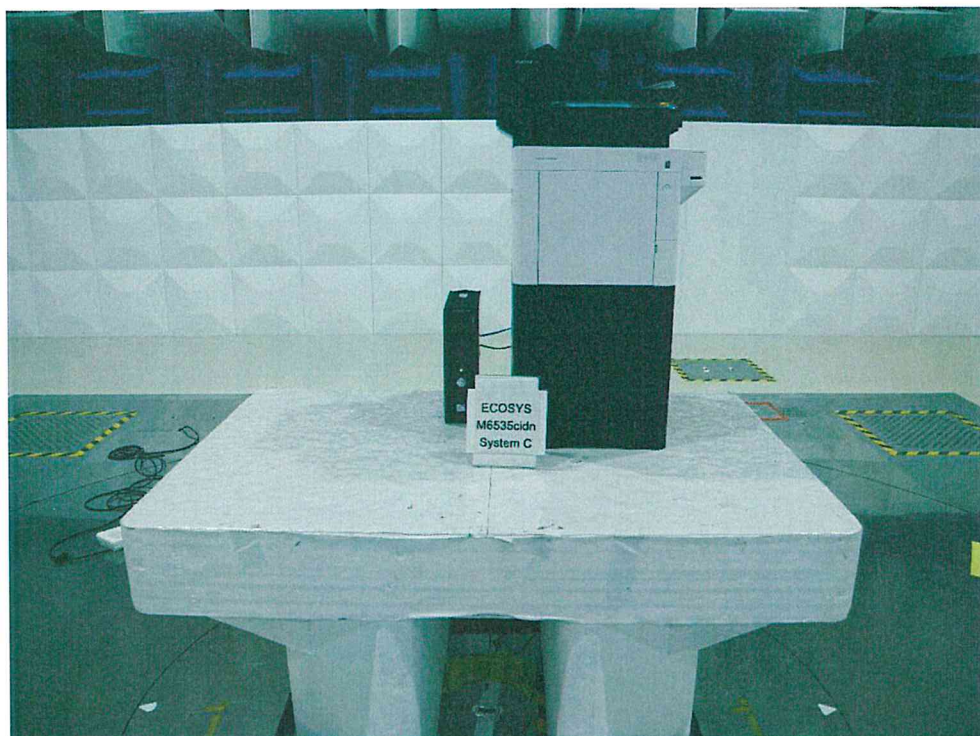
System A

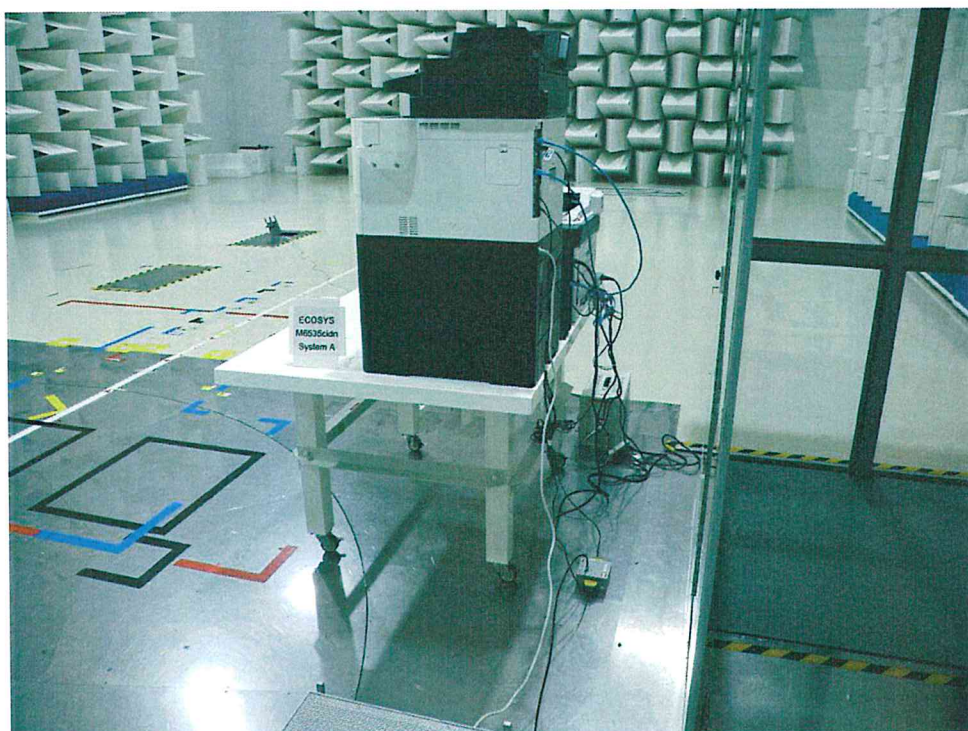


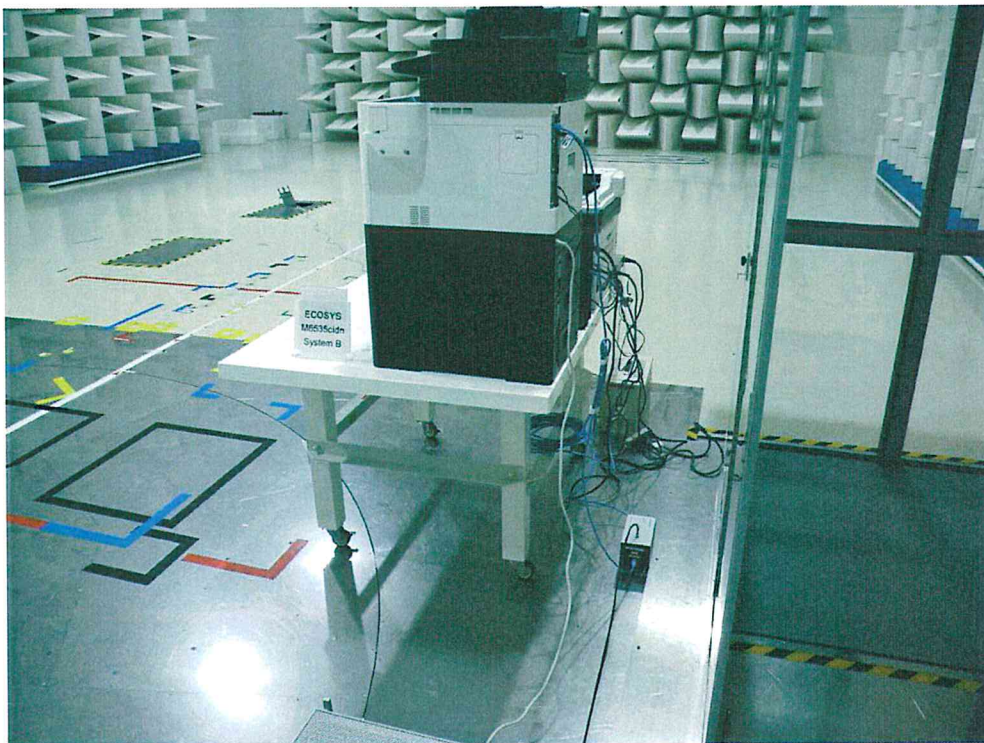
Radiated disturbance
System B

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>
Multi-Function Printer	ECOCYS M6535cidn	Z6D4Z00065
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Manual Stapler	MS-5100	V6Y4800015
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 : 54%

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 M6535cidn (Average)

Print Date : Wed Jan 21 14:53:34 2015
 MeasureDate : Wed Jan 21 14:52:15 2015
 Comment : Standby
 Option : PF-5100*3, IB-50, MS-5100

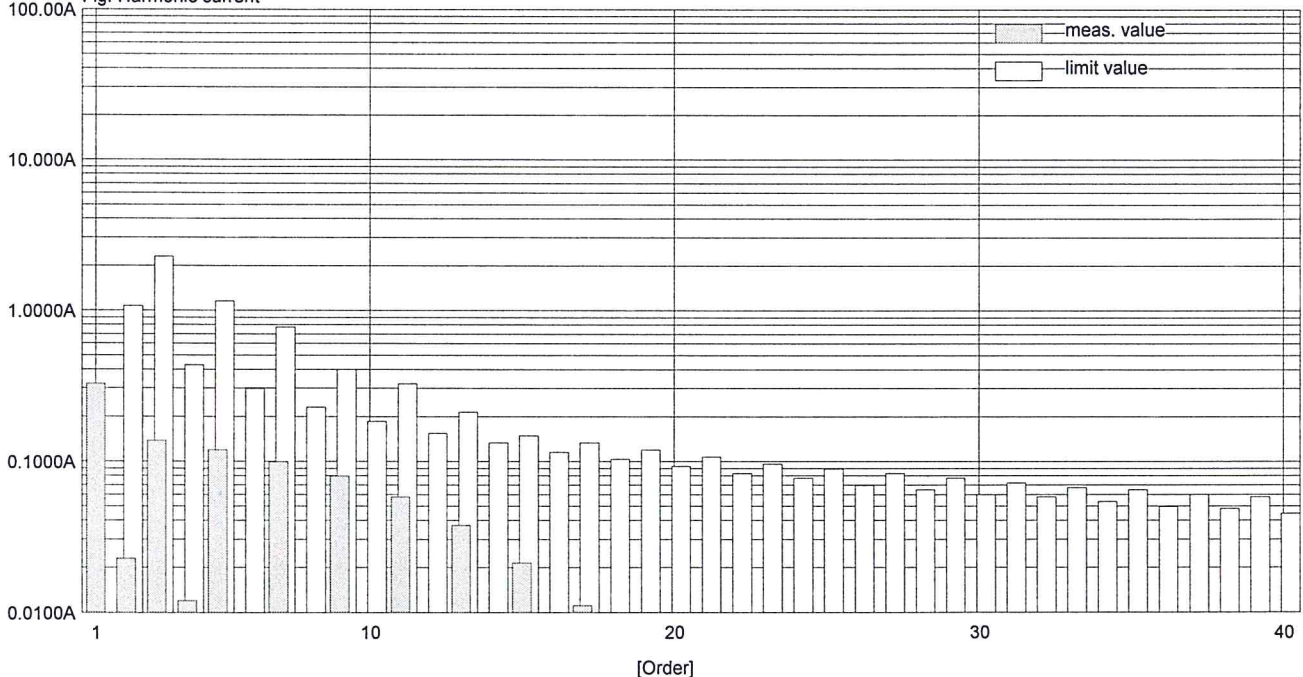
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 0.4521 A
 Voltage(rms) : 229.70 V
 Frequency : 50.000 Hz
 Power Factor : 0.6552
 POHC Limit : 0.2514 A
 POHC Max : 0.0291 A
 THC : 0.2396 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 322.8181 W
 Sigma PF : 0.6552
 Distortion factor(V) : 0.06 %
 V THDS : 0.06 %
 V THDG : 0.07 %
 Distortion factor(A) : 145.99 %
 A THDS : 146.20 %
 A THDG : 146.69 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.3304			2	0.0226	1.0800	97.9
3	0.1363	2.3000	94.1	4	0.0121	0.4300	97.2
5	0.1207	1.1400	89.4	6	0.0064	0.3000	97.9
7	0.1015	0.7700	86.8	8	0.0046	0.2300	98.0
9	0.0800	0.4000	80.0	10	0.0029	0.1840	98.4
11	0.0582	0.3300	82.4	12	0.0020	0.1533	98.7
13	0.0381	0.2100	81.9	14	0.0015	0.1314	98.9
15	0.0215	0.1500	85.6	16	0.0015	0.1150	98.7
17	0.0109	0.1324	91.7	18	0.0015	0.1022	98.5
19	0.0083	0.1184	93.0	20	0.0013	0.0920	98.6
21	0.0096	0.1071	91.0	22	0.0011	0.0836	98.7
23	0.0096	0.0978	90.2	24	0.0009	0.0767	98.8
25	0.0078	0.0900	91.3	26	0.0009	0.0708	98.8
27	0.0055	0.0833	93.4	28	0.0009	0.0657	98.6
29	0.0039	0.0776	95.0	30	0.0009	0.0613	98.5
31	0.0038	0.0726	94.8	32	0.0008	0.0575	98.6
33	0.0041	0.0682	93.9	34	0.0007	0.0541	98.7
35	0.0040	0.0643	93.8	36	0.0007	0.0511	98.7
37	0.0033	0.0608	94.6	38	0.0007	0.0484	98.6
39	0.0025	0.0577	95.6	40	0.0007	0.0460	98.6

Fig. Harmonic current



ECOSYS M6535cidn (Maximum)

Print Date : Wed Jan 21 14:53:35 2015
 MeasureDate : Wed Jan 21 14:52:15 2015
 Comment : Standby
 Option : PF-5100*3, IB-50, MS-5100

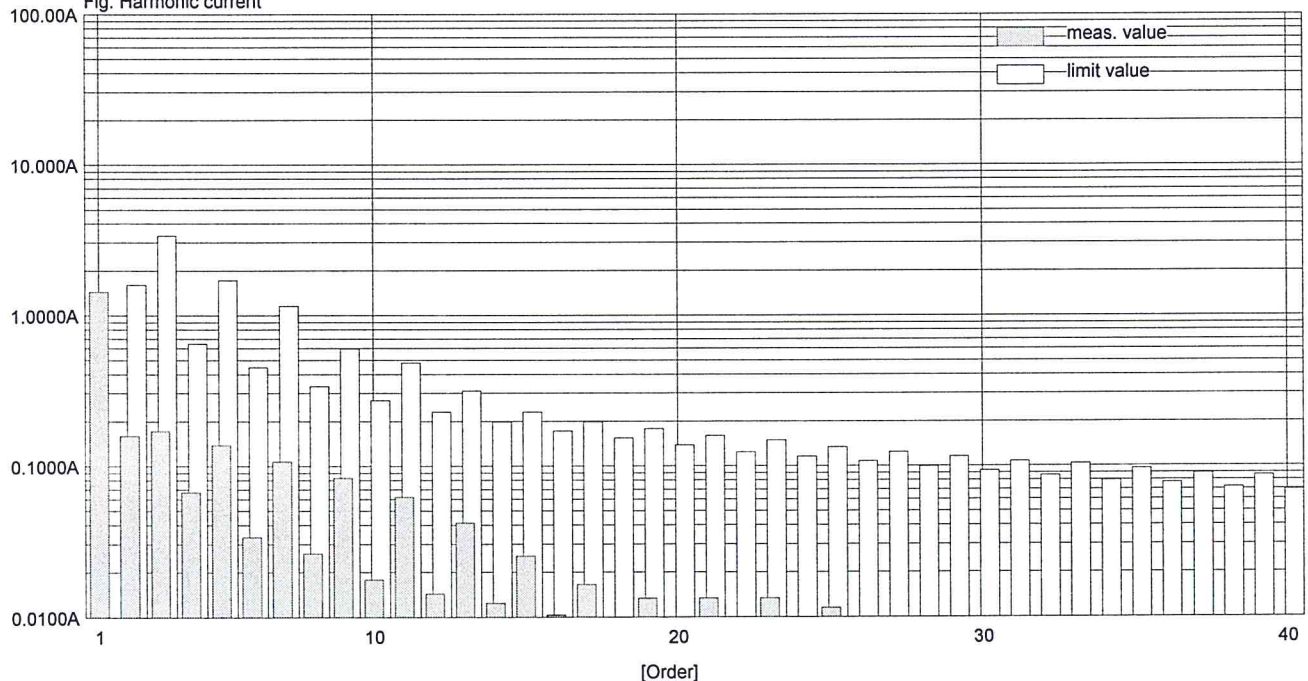
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 1.4990 A
 Voltage(rms) : 229.72 V
 Frequency : 50.009 Hz
 Power Factor : 0.9408
 Beyond Limit Time : 14.9999 s
 Beyond Total Time : 0.0000 s
 THC : 0.3255 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 322.8181 W
 Sigma PF : 0.9408
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.08 %
 Distortion factor(A) : 161.01 %
 A THDS : 161.01 %
 A THDG : 161.01 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.4088			2	0.1586	1.6200	90.2
3	0.1731	3.4500	95.0	4	0.0678	0.6450	89.5
5	0.1378	1.7100	91.9	6	0.0338	0.4500	92.5
7	0.1076	1.1550	90.7	8	0.0265	0.3450	92.3
9	0.0847	0.6000	85.9	10	0.0177	0.2760	93.6
11	0.0633	0.4950	87.2	12	0.0143	0.2300	93.8
13	0.0426	0.3150	86.5	14	0.0123	0.1971	93.8
15	0.0255	0.2250	88.7	16	0.0104	0.1725	94.0
17	0.0165	0.1985	91.7	18	0.0092	0.1533	94.0
19	0.0134	0.1776	92.4	20	0.0083	0.1380	94.0
21	0.0134	0.1607	91.7	22	0.0075	0.1255	94.0
23	0.0133	0.1467	91.0	24	0.0067	0.1150	94.2
25	0.0115	0.1350	91.5	26	0.0063	0.1062	94.1
27	0.0091	0.1250	92.7	28	0.0060	0.0986	93.9
29	0.0075	0.1164	93.5	30	0.0055	0.0920	94.0
31	0.0075	0.1089	93.1	32	0.0052	0.0862	94.0
33	0.0073	0.1023	92.9	34	0.0049	0.0812	94.0
35	0.0067	0.0964	93.1	36	0.0044	0.0767	94.2
37	0.0062	0.0912	93.2	38	0.0043	0.0726	94.1
39	0.0053	0.0865	93.8	40	0.0041	0.0690	94.1

Fig. Harmonic current



ECOSYS M6535cidn (Average)

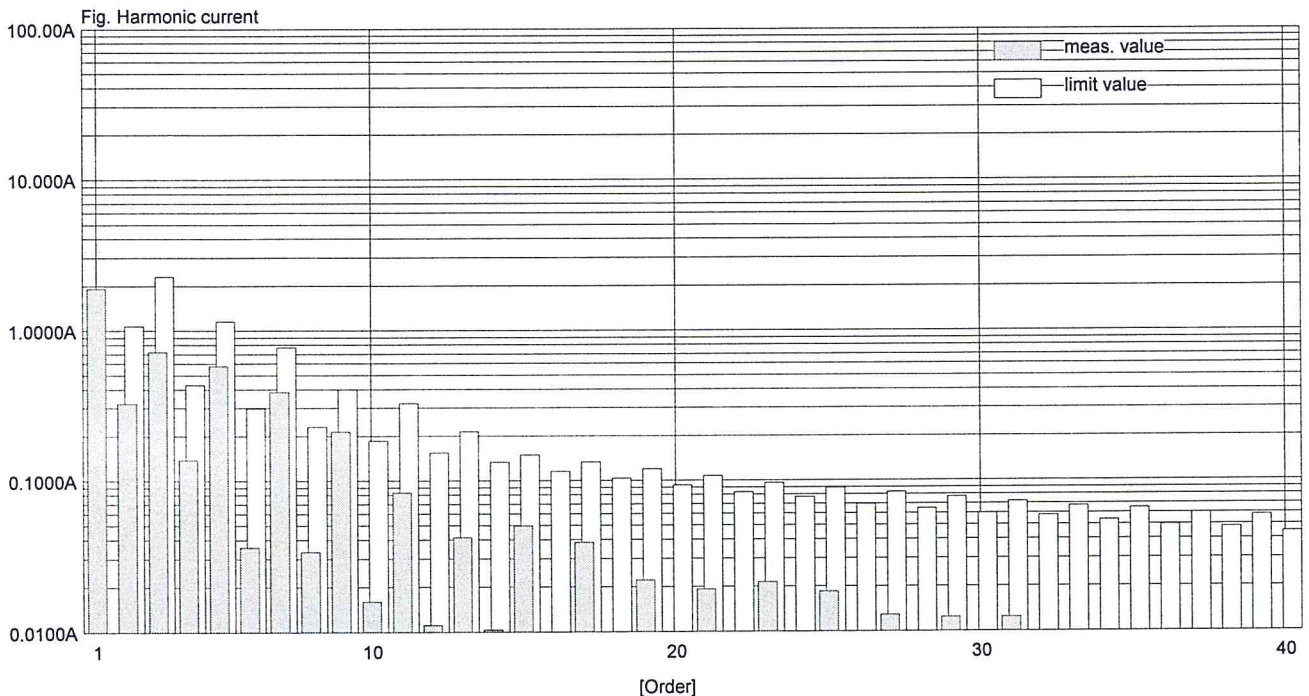
Print Date : Wed Jan 21 14:58:43 2015
 MeasureDate : Wed Jan 21 14:58:10 2015
 Comment : Duplex Copy
 Option : PF-5100*3, IB-50, MS-5100

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) : 2.1885 A
 Voltage(rms) : 229.55 V
 Frequency : 50.000 Hz
 Power Factor : 0.8625
 POHC Limit : 0.2514 A
 POHC Max : 0.0459 A
 THC : 1.0994 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 521.2772 W
 Sigma PF : 0.8625
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.08 %
 Distortion factor(A) : 56.60 %
 A THDS : 56.93 %
 A THDG : 58.69 %
 P THD : 0.03 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.8896			2	0.3282	1.0800	69.6
3	0.7339	2.3000	68.1	4	0.1376	0.4300	68.0
5	0.5740	1.1400	49.6	6	0.0362	0.3000	87.9
7	0.3864	0.7700	49.8	8	0.0341	0.2300	85.2
9	0.2116	0.4000	47.1	10	0.0160	0.1840	91.3
11	0.0840	0.3300	74.6	12	0.0113	0.1533	92.7
13	0.0429	0.2100	79.6	14	0.0106	0.1314	92.0
15	0.0499	0.1500	66.8	16	0.0065	0.1150	94.4
17	0.0390	0.1324	70.6	18	0.0055	0.1022	94.6
19	0.0220	0.1184	81.4	20	0.0054	0.0920	94.1
21	0.0191	0.1071	82.2	22	0.0039	0.0836	95.3
23	0.0217	0.0978	77.9	24	0.0031	0.0767	95.9
25	0.0182	0.0900	79.8	26	0.0032	0.0708	95.5
27	0.0127	0.0833	84.7	28	0.0024	0.0657	96.4
29	0.0124	0.0776	84.0	30	0.0024	0.0613	96.1
31	0.0126	0.0726	82.7	32	0.0020	0.0575	96.5
33	0.0096	0.0682	85.9	34	0.0018	0.0541	96.6
35	0.0076	0.0643	88.2	36	0.0017	0.0511	96.6
37	0.0076	0.0608	87.4	38	0.0017	0.0484	96.5
39	0.0072	0.0577	87.6	40	0.0013	0.0460	97.1



ECOSYS M6535cidn (Maximum)

Print Date : Wed Jan 21 14:58:43 2015
 MeasureDate : Wed Jan 21 14:58:10 2015
 Comment : Duplex Copy
 Option : PF-5100*3, IB-50, MS-5100

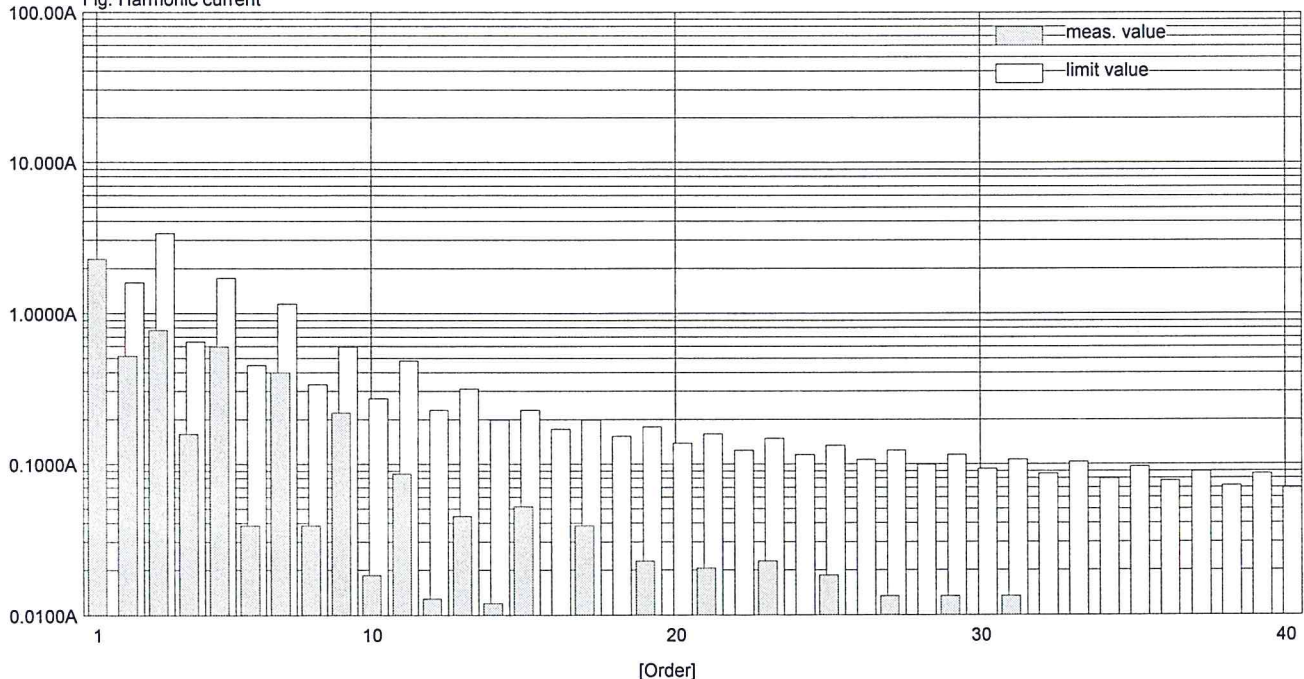
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.5557 A
 Voltage(rms) : 229.60 V
 Frequency : 50.008 Hz
 Power Factor : 0.8909
 Beyond Limit Time : 14.9999 s
 Beyond Total Time : 0.0000 s
 THC : 1.1675 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 521.2772 W
 Sigma PF : 0.8909
 Distortion factor(V) : 0.09 %
 V THDS : 0.09 %
 V THDG : 0.10 %
 Distortion factor(A) : 85.17 %
 A THDS : 85.21 %
 A THDG : 86.47 %
 P THD : 0.06 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.2719			2	0.5186	1.6200	68.0
3	0.7807	3.4500	77.4	4	0.1568	0.6450	75.7
5	0.6054	1.7100	64.6	6	0.0397	0.4500	91.2
7	0.4039	1.1550	65.0	8	0.0389	0.3450	88.7
9	0.2184	0.6000	63.6	10	0.0185	0.2760	93.3
11	0.0875	0.4950	82.3	12	0.0128	0.2300	94.4
13	0.0458	0.3150	85.5	14	0.0119	0.1971	93.9
15	0.0522	0.2250	76.8	16	0.0081	0.1725	95.3
17	0.0399	0.1985	79.9	18	0.0070	0.1533	95.4
19	0.0231	0.1776	87.0	20	0.0065	0.1380	95.3
21	0.0208	0.1607	87.1	22	0.0049	0.1255	96.1
23	0.0229	0.1467	84.4	24	0.0040	0.1150	96.5
25	0.0187	0.1350	86.1	26	0.0039	0.1062	96.3
27	0.0134	0.1250	89.3	28	0.0032	0.0986	96.7
29	0.0135	0.1164	88.4	30	0.0032	0.0920	96.5
31	0.0132	0.1089	87.9	32	0.0029	0.0862	96.6
33	0.0101	0.1023	90.1	34	0.0028	0.0812	96.6
35	0.0081	0.0964	91.6	36	0.0026	0.0767	96.6
37	0.0082	0.0912	91.0	38	0.0025	0.0726	96.5
39	0.0075	0.0865	91.3	40	0.0022	0.0690	96.8

Fig. Harmonic current



ECOSYS M6535cidn (Average)

Print Date : Wed Jan 21 15:03:54 2015
 MeasureDate : Wed Jan 21 15:03:32 2015
 Comment : Print
 Option : PF-5100*3, IB-50, MS-5100

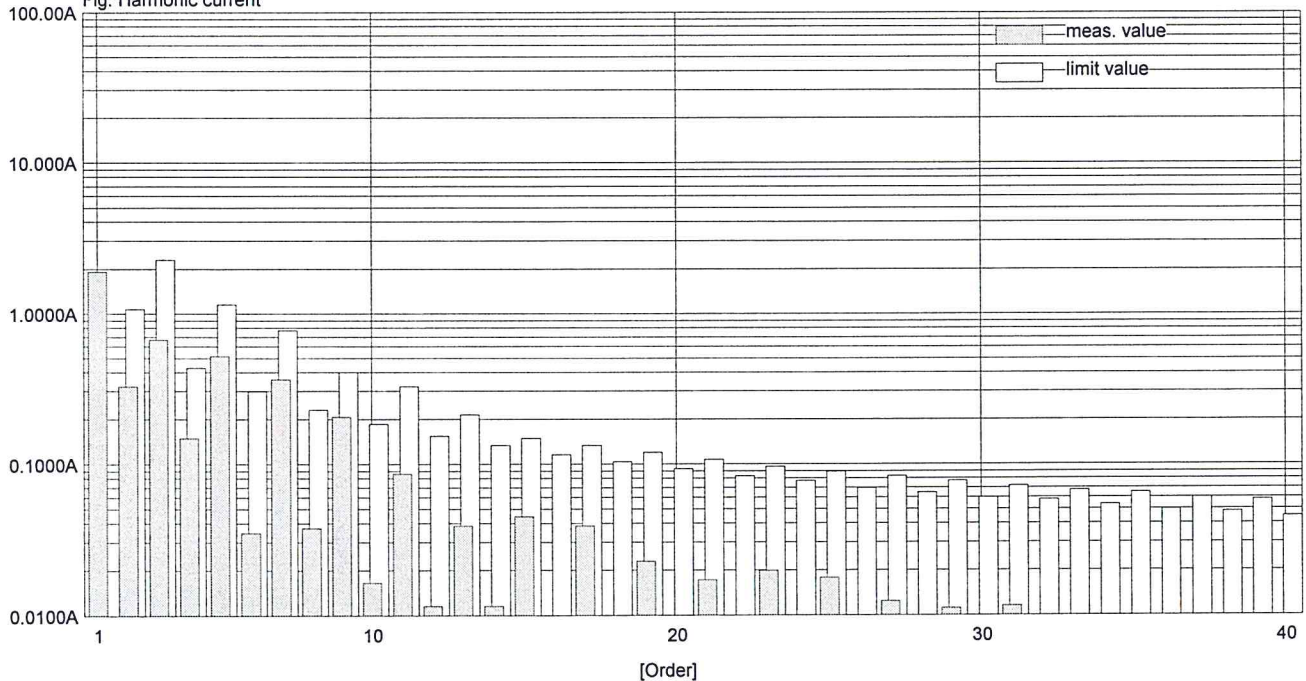
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.1525 A
 Voltage(rms) : 229.56 V
 Frequency : 50.001 Hz
 Power Factor : 0.8784
 POHC Limit : 0.2514 A
 POHC Max : 0.0433 A
 THC : 1.0214 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 530.6357 W
 Sigma PF : 0.8784
 Distortion factor(V) : 0.09 %
 V THDS : 0.09 %
 V THDG : 0.09 %
 Distortion factor(A) : 51.74 %
 A THDS : 52.69 %
 A THDG : 54.39 %
 P THD : 0.03 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.8925			2	0.3289	1.0800	69.5
3	0.6663	2.3000	71.0	4	0.1484	0.4300	65.5
5	0.5269	1.1400	53.8	6	0.0353	0.3000	88.2
7	0.3611	0.7700	53.1	8	0.0373	0.2300	83.8
9	0.2043	0.4000	48.9	10	0.0168	0.1840	90.9
11	0.0857	0.3300	74.0	12	0.0116	0.1533	92.4
13	0.0396	0.2100	81.1	14	0.0116	0.1314	91.2
15	0.0458	0.1500	69.5	16	0.0068	0.1150	94.1
17	0.0388	0.1324	70.7	18	0.0057	0.1022	94.4
19	0.0233	0.1184	80.4	20	0.0061	0.0920	93.4
21	0.0170	0.1071	84.1	22	0.0045	0.0836	94.6
23	0.0196	0.0978	80.0	24	0.0035	0.0767	95.5
25	0.0178	0.0900	80.2	26	0.0037	0.0708	94.8
27	0.0124	0.0833	85.1	28	0.0027	0.0657	95.9
29	0.0110	0.0776	85.8	30	0.0028	0.0613	95.5
31	0.0117	0.0726	83.9	32	0.0024	0.0575	95.8
33	0.0098	0.0682	85.7	34	0.0020	0.0541	96.4
35	0.0076	0.0643	88.2	36	0.0020	0.0511	96.1
37	0.0069	0.0608	88.6	38	0.0021	0.0484	95.7
39	0.0068	0.0577	88.2	40	0.0014	0.0460	97.1

Fig. Harmonic current



ECOSYS M6535cidn (Maximum)

Print Date : Wed Jan 21 15:03:54 2015
 MeasureDate : Wed Jan 21 15:03:32 2015
 Comment : Print
 Option : PF-5100*3, IB-50, MS-5100

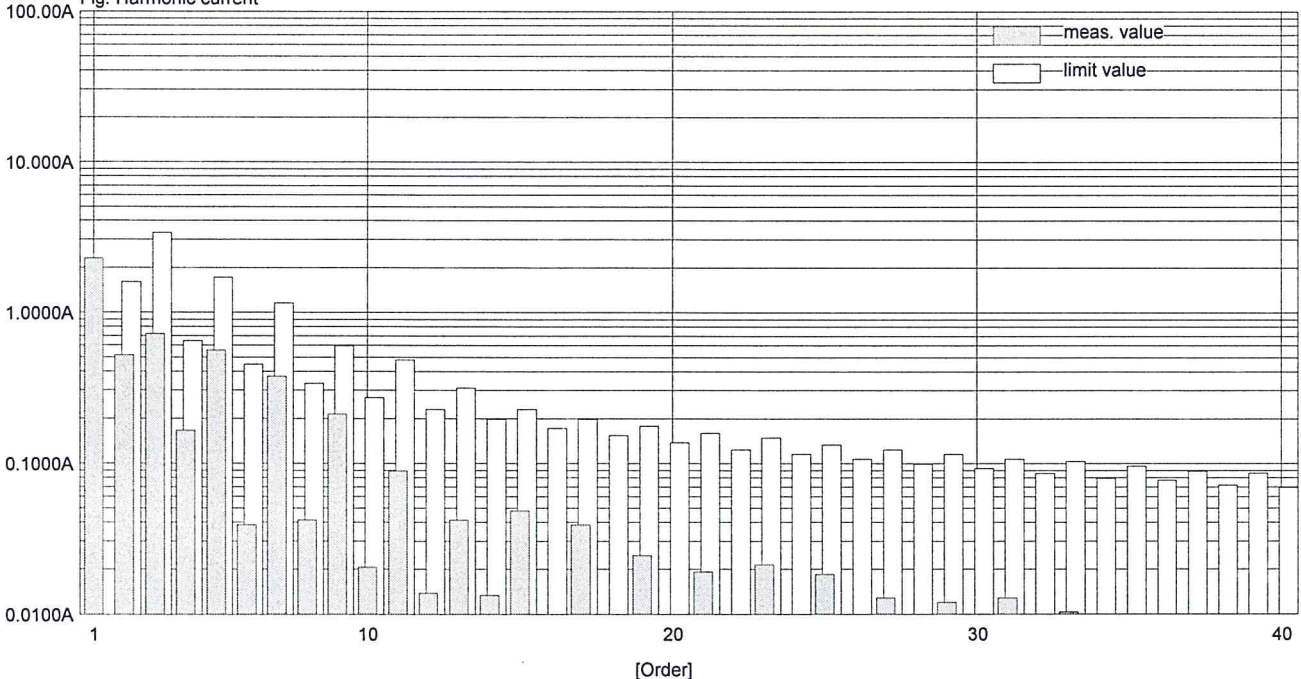
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.5701 A
 Voltage(rms) : 229.58 V
 Frequency : 50.009 Hz
 Power Factor : 0.9088
 Beyond Limit Time : 14.9998 s
 Beyond Total Time : 0.0000 s
 THC : 1.1267 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 530.6357 W
 Sigma PF : 0.9088
 Distortion factor(V) : 0.10 %
 V THDS : 0.10 %
 V THDG : 0.10 %
 Distortion factor(A) : 70.70 %
 A THDS : 70.87 %
 A THDG : 72.05 %
 P THD : 0.05 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.3128			2	0.5149	1.6200	68.2
3	0.7105	3.4500	79.4	4	0.1667	0.6450	74.1
5	0.5576	1.7100	67.4	6	0.0395	0.4500	91.2
7	0.3778	1.1550	67.3	8	0.0421	0.3450	87.8
9	0.2103	0.6000	64.9	10	0.0202	0.2760	92.7
11	0.0886	0.4950	82.1	12	0.0136	0.2300	94.1
13	0.0422	0.3150	86.6	14	0.0134	0.1971	93.2
15	0.0486	0.2250	78.4	16	0.0087	0.1725	94.9
17	0.0395	0.1985	80.1	18	0.0072	0.1533	95.3
19	0.0244	0.1776	86.3	20	0.0076	0.1380	94.5
21	0.0188	0.1607	88.3	22	0.0057	0.1255	95.4
23	0.0211	0.1467	85.6	24	0.0048	0.1150	95.8
25	0.0184	0.1350	86.3	26	0.0049	0.1062	95.4
27	0.0130	0.1250	89.6	28	0.0040	0.0986	96.0
29	0.0121	0.1164	89.6	30	0.0038	0.0920	95.8
31	0.0126	0.1089	88.4	32	0.0034	0.0862	96.1
33	0.0104	0.1023	89.9	34	0.0030	0.0812	96.4
35	0.0080	0.0964	91.7	36	0.0029	0.0767	96.2
37	0.0076	0.0912	91.6	38	0.0030	0.0726	95.9
39	0.0074	0.0865	91.4	40	0.0023	0.0690	96.6

Fig. Harmonic current



ECOSYS M6530cdn (Average)

Print Date : Tue Feb 03 14:22:37 2015
 MeasureDate : Tue Feb 03 14:19:52 2015
 Comment : Standby
 Option : PF-5100, IB-50, MS-5100

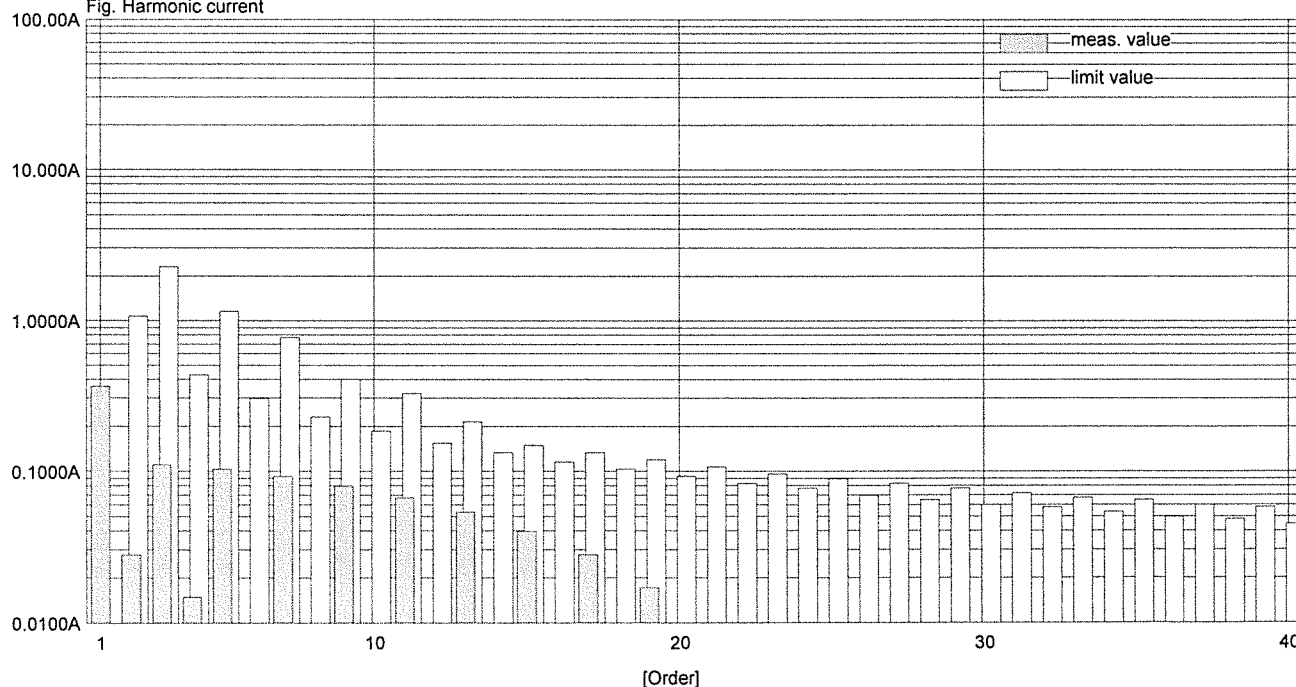
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 0.4959 A
 Voltage(rms) : 229.73 V
 Frequency : 50.000 Hz
 Power Factor : 0.6187
 POHC Limit : 0.2514 A
 POHC Max : 0.0373 A
 THC : 0.2268 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 408.7137 W
 Sigma PF : 0.6187
 Distortion factor(V) : 0.06 %
 V THDS : 0.06 %
 V THDG : 0.06 %
 Distortion factor(A) : 171.25 %
 A THDS : 171.50 %
 A THDG : 172.21 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	0.3714			2	0.0285	1.0800	97.4
3	0.1120	2.3000	95.1	4	0.0151	0.4300	96.5
5	0.1020	1.1400	91.1	6	0.0085	0.3000	97.2
7	0.0919	0.7700	88.1	8	0.0068	0.2300	97.0
9	0.0799	0.4000	80.0	10	0.0053	0.1840	97.1
11	0.0672	0.3300	79.6	12	0.0046	0.1533	97.0
13	0.0535	0.2100	74.5	14	0.0036	0.1314	97.3
15	0.0404	0.1500	73.1	16	0.0030	0.1150	97.4
17	0.0280	0.1324	78.9	18	0.0026	0.1022	97.5
19	0.0171	0.1184	85.5	20	0.0020	0.0920	97.8
21	0.0083	0.1071	92.3	22	0.0018	0.0836	97.8
23	0.0046	0.0978	95.3	24	0.0016	0.0767	97.9
25	0.0062	0.0900	93.1	26	0.0017	0.0708	97.7
27	0.0083	0.0833	90.1	28	0.0015	0.0657	97.7
29	0.0092	0.0776	88.1	30	0.0015	0.0613	97.6
31	0.0087	0.0726	88.0	32	0.0014	0.0575	97.6
33	0.0073	0.0682	89.3	34	0.0012	0.0541	97.7
35	0.0052	0.0643	91.9	36	0.0012	0.0511	97.7
37	0.0032	0.0608	94.8	38	0.0011	0.0484	97.8
39	0.0023	0.0577	96.0	40	0.0011	0.0460	97.7

Fig. Harmonic current



ECOSYS M6530cdn (Maximum)

Print Date : Tue Feb 03 14:22:37 2015
 MeasureDate : Tue Feb 03 14:19:52 2015
 Comment : Standby
 Option : PF-5100, IB-50, MS-5100

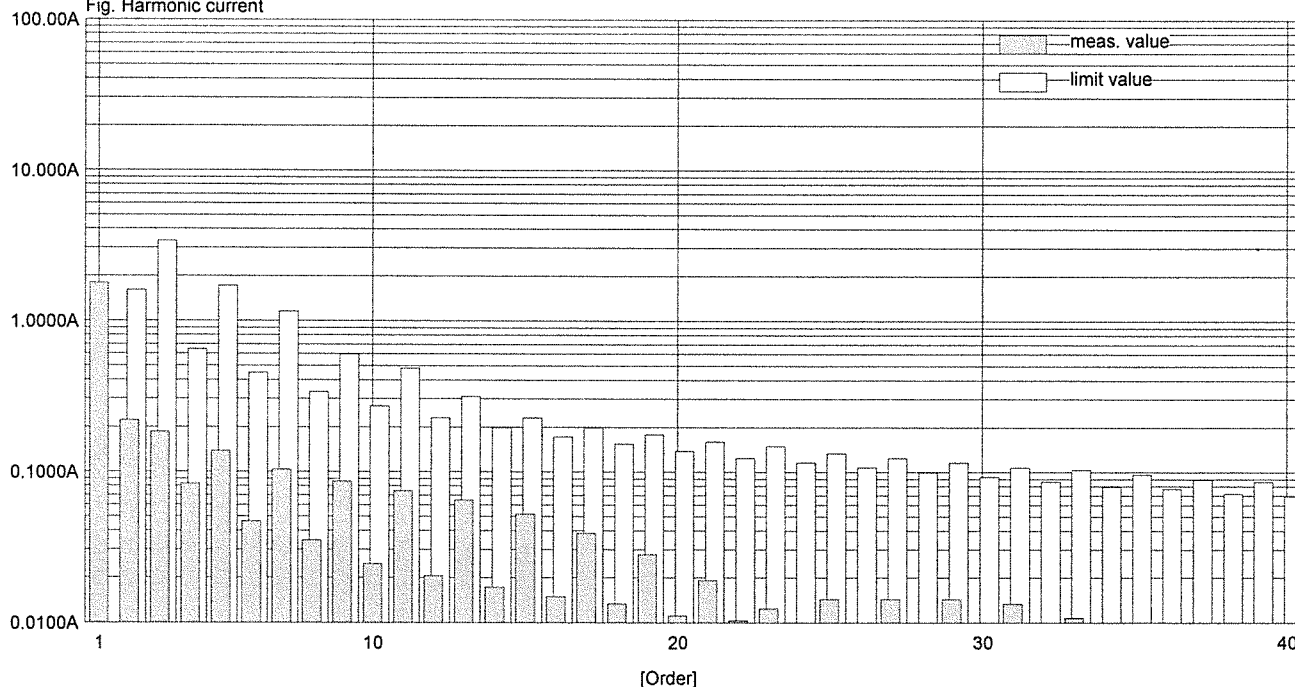
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 1.8820 A
 Voltage(rms) : 229.76 V
 Frequency : 50.005 Hz
 Power Factor : 0.9475
 Beyond Limit Time : 14.9999 s
 Beyond Total Time : 0.0000 s
 THC : 0.3806 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 408.7137 W
 Sigma PF : 0.9475
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.09 %
 Distortion factor(A) : 197.14 %
 A THDS : 197.15 %
 A THDG : 227.96 %
 P THD : 0.05 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.7846			2	0.2176	1.6200	86.6
3	0.1843	3.4500	94.7	4	0.0835	0.6450	87.1
5	0.1366	1.7100	92.0	6	0.0468	0.4500	89.6
7	0.1042	1.1550	91.0	8	0.0349	0.3450	89.9
9	0.0875	0.6000	85.4	10	0.0249	0.2760	91.0
11	0.0761	0.4950	84.6	12	0.0208	0.2300	91.0
13	0.0640	0.3150	79.7	14	0.0169	0.1971	91.4
15	0.0517	0.2250	77.0	16	0.0148	0.1725	91.4
17	0.0398	0.1985	80.0	18	0.0133	0.1533	91.3
19	0.0287	0.1776	83.9	20	0.0112	0.1380	91.9
21	0.0188	0.1607	88.3	22	0.0105	0.1255	91.6
23	0.0125	0.1467	91.5	24	0.0096	0.1150	91.6
25	0.0145	0.1350	89.3	26	0.0090	0.1062	91.5
27	0.0142	0.1250	88.6	28	0.0079	0.0986	92.0
29	0.0144	0.1164	87.7	30	0.0076	0.0920	91.8
31	0.0133	0.1089	87.8	32	0.0073	0.0862	91.5
33	0.0107	0.1023	89.5	34	0.0067	0.0812	91.7
35	0.0086	0.0964	91.0	36	0.0063	0.0767	91.8
37	0.0073	0.0912	92.0	38	0.0060	0.0726	91.8
39	0.0067	0.0865	92.2	40	0.0058	0.0690	91.6

Fig. Harmonic current



ECOSYS M6530cdn (Average)

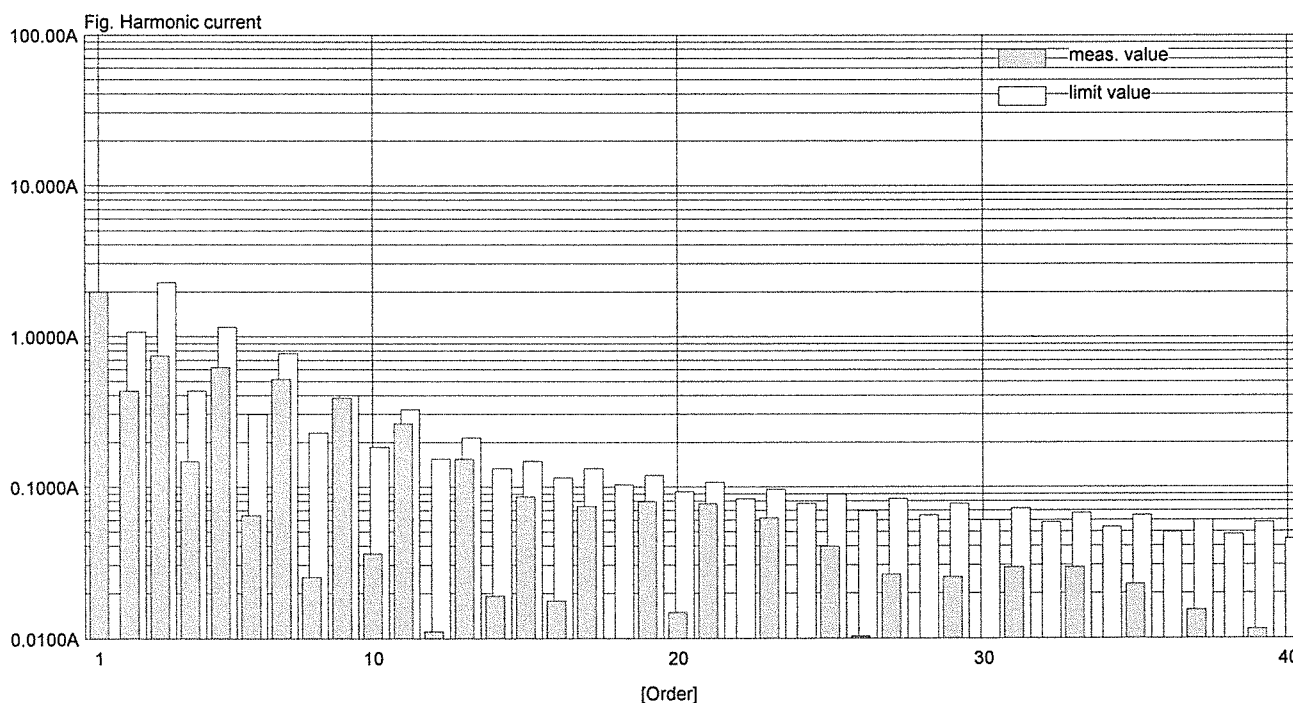
Print Date : Wed Feb 04 15:53:44 2015
 MeasureDate : Wed Feb 04 15:52:55 2015
 Comment : Copy
 Option : PF-5100, IB-50

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) : 2.3642 A
 Voltage(rms) : 229.56 V
 Frequency : 50.000 Hz
 Power Factor : 0.8273
 POHC Limit : 0.2514 A
 POHC Max : 0.1301 A
 THC : 1.3135 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 515.1854 W
 Sigma PF : 0.8273
 Distortion factor(V) : 0.09 %
 V THDS : 0.09 %
 V THDG : 0.09 %
 Distortion factor(A) : 64.88 %
 A THDS : 64.95 %
 A THDG : 67.28 %
 P THD : 0.05 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.9637			2	0.4304	1.0800	60.1
3	0.7429	2.3000	67.7	4	0.1465	0.4300	65.9
5	0.6372	1.1400	44.1	6	0.0654	0.3000	78.2
7	0.5192	0.7700	32.6	8	0.0251	0.2300	89.1
9	0.3873	0.4000	3.2	10	0.0371	0.1840	79.9
11	0.2604	0.3300	21.1	12	0.0112	0.1533	92.7
13	0.1528	0.2100	27.2	14	0.0188	0.1314	85.7
15	0.0864	0.1500	42.4	16	0.0179	0.1150	84.4
17	0.0740	0.1324	44.1	18	0.0073	0.1022	92.8
19	0.0811	0.1184	31.5	20	0.0148	0.0920	83.9
21	0.0780	0.1071	27.2	22	0.0089	0.0836	89.3
23	0.0619	0.0978	36.7	24	0.0078	0.0767	89.8
25	0.0407	0.0900	54.7	26	0.0102	0.0708	85.6
27	0.0262	0.0833	68.6	28	0.0053	0.0657	92.0
29	0.0257	0.0776	66.9	30	0.0077	0.0613	87.4
31	0.0299	0.0726	58.8	32	0.0070	0.0575	87.8
33	0.0293	0.0682	57.0	34	0.0044	0.0541	91.9
35	0.0230	0.0643	64.2	36	0.0065	0.0511	87.3
37	0.0156	0.0608	74.4	38	0.0045	0.0484	90.7
39	0.0114	0.0577	80.2	40	0.0042	0.0460	90.9



ECOSYS M6530cdn (Maximum)

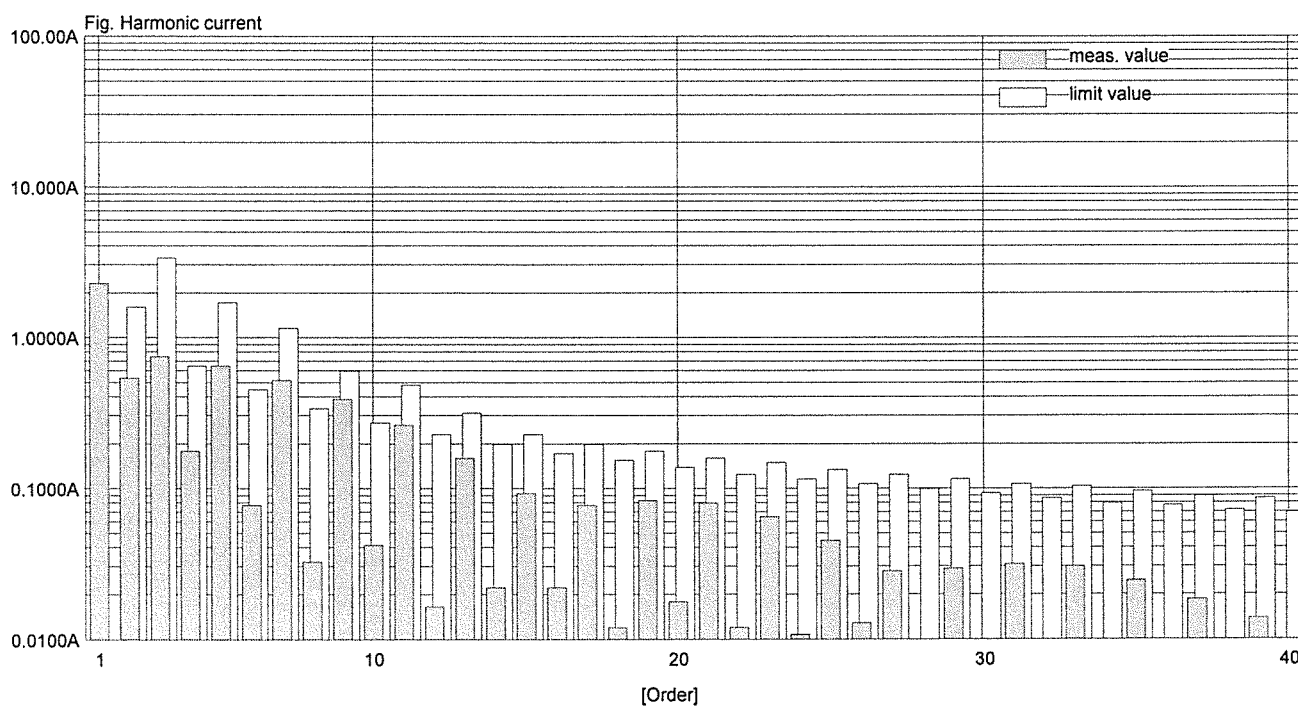
Print Date : Wed Feb 04 15:53:44 2015
 MeasureDate : Wed Feb 04 15:52:55 2015
 Comment : Copy
 Option : PF-5100, IB-50

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) : 2.5866 A
 Voltage(rms) : 229.58 V
 Frequency : 50.008 Hz
 Power Factor : 0.8686
 Beyond Limit Time : 15.0000 s
 Beyond Total Time : 0.0000 s
 THC : 1.3670 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 515.1854 W
 Sigma PF : 0.8686
 Distortion factor(V) : 0.10 %
 V THDS : 0.10 %
 V THDG : 0.10 %
 Distortion factor(A) : 81.71 %
 A THDS : 82.10 %
 A THDG : 84.24 %
 P THD : 0.06 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.2501			2	0.5412	1.6200	66.6
3	0.7562	3.4500	78.1	4	0.1810	0.6450	71.9
5	0.6505	1.7100	62.0	6	0.0779	0.4500	82.7
7	0.5286	1.1550	54.2	8	0.0329	0.3450	90.5
9	0.3957	0.6000	34.0	10	0.0420	0.2760	84.8
11	0.2675	0.4950	46.0	12	0.0168	0.2300	92.7
13	0.1617	0.3150	48.7	14	0.0224	0.1971	88.6
15	0.0919	0.2250	59.2	16	0.0222	0.1725	87.1
17	0.0766	0.1985	61.4	18	0.0119	0.1533	92.2
19	0.0840	0.1776	52.7	20	0.0176	0.1380	87.2
21	0.0806	0.1607	49.9	22	0.0120	0.1255	90.4
23	0.0652	0.1467	55.6	24	0.0106	0.1150	90.7
25	0.0456	0.1350	66.2	26	0.0127	0.1062	88.0
27	0.0287	0.1250	77.0	28	0.0078	0.0986	92.1
29	0.0293	0.1164	74.8	30	0.0096	0.0920	89.5
31	0.0311	0.1089	71.4	32	0.0089	0.0862	89.7
33	0.0310	0.1023	69.6	34	0.0064	0.0812	92.2
35	0.0250	0.0964	74.0	36	0.0084	0.0767	89.1
37	0.0183	0.0912	79.9	38	0.0063	0.0726	91.4
39	0.0137	0.0865	84.2	40	0.0059	0.0690	91.5



ECOSYS M6530cdn (Average)

Print Date : Tue Feb 03 14:28:33 2015
 MeasureDate : Tue Feb 03 14:27:58 2015
 Comment : Duplex Copy
 Option : PF-5100, IB-50, MS-5100

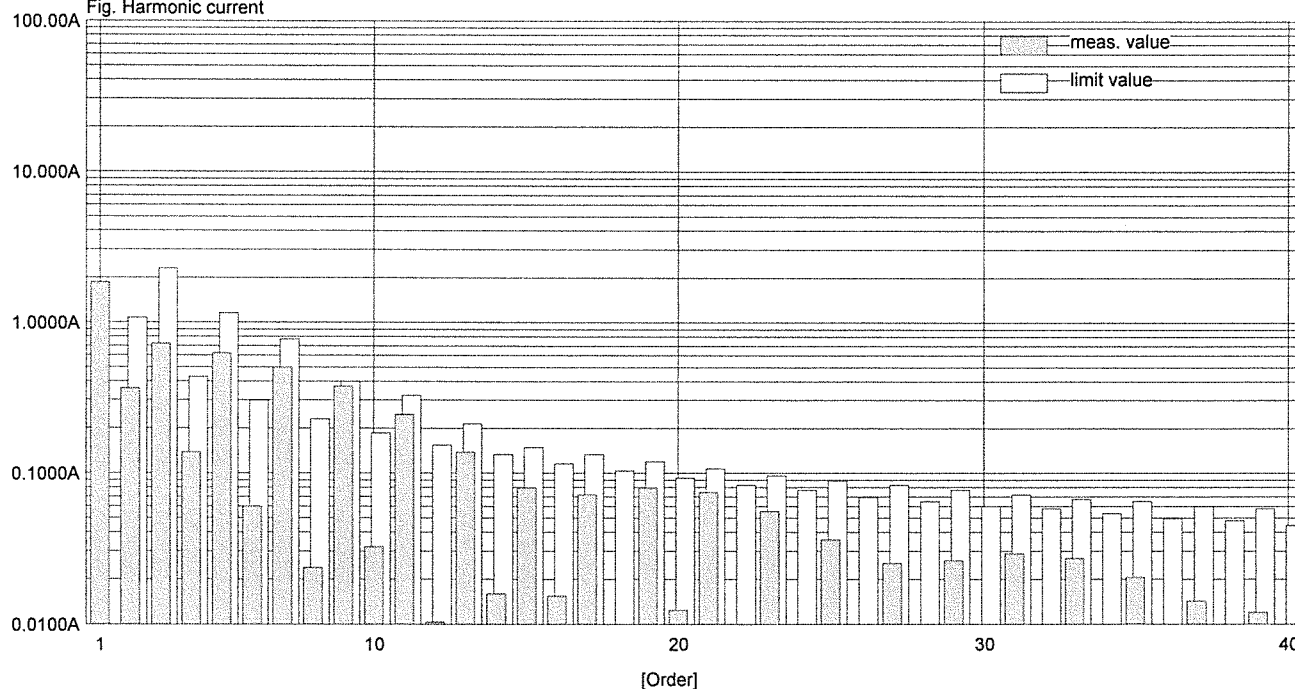
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.2512 A
 Voltage(rms) : 229.59 V
 Frequency : 50.000 Hz
 Power Factor : 0.8201
 POHC Limit : 0.2514 A
 POHC Max : 0.1251 A
 THC : 1.2677 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 595.6905 W
 Sigma PF : 0.8201
 Distortion factor(V) : 0.08 %
 V THDS : 0.08 %
 V THDG : 0.08 %
 Distortion factor(A) : 66.19 %
 A THDS : 66.55 %
 A THDG : 69.23 %
 P THD : 0.04 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	1.8562			2	0.3699	1.0800	65.8
3	0.7335	2.3000	68.1	4	0.1398	0.4300	67.5
5	0.6274	1.1400	45.0	6	0.0611	0.3000	79.6
7	0.5067	0.7700	34.2	8	0.0240	0.2300	89.6
9	0.3724	0.4000	6.9	10	0.0327	0.1840	82.3
11	0.2447	0.3300	25.9	12	0.0103	0.1533	93.3
13	0.1392	0.2100	33.7	14	0.0158	0.1314	88.0
15	0.0795	0.1500	47.0	16	0.0152	0.1150	86.7
17	0.0730	0.1324	44.8	18	0.0055	0.1022	94.6
19	0.0795	0.1184	32.9	20	0.0123	0.0920	86.7
21	0.0737	0.1071	31.2	22	0.0076	0.0836	90.9
23	0.0562	0.0978	42.5	24	0.0061	0.0767	92.1
25	0.0360	0.0900	59.9	26	0.0086	0.0708	87.9
27	0.0253	0.0833	69.6	28	0.0043	0.0657	93.5
29	0.0266	0.0776	65.7	30	0.0061	0.0613	90.1
31	0.0294	0.0726	59.5	32	0.0058	0.0575	89.8
33	0.0271	0.0682	60.2	34	0.0034	0.0541	93.8
35	0.0204	0.0643	68.3	36	0.0052	0.0511	89.8
37	0.0143	0.0608	76.5	38	0.0039	0.0484	92.0
39	0.0121	0.0577	78.9	40	0.0032	0.0460	93.0

Fig. Harmonic current



ECOSYS M6530cdn (Maximum)

Print Date : Tue Feb 03 14:28:34 2015
 MeasureDate : Tue Feb 03 14:27:58 2015
 Comment : Duplex Copy
 Option : PF-5100, IB-50, MS-5100

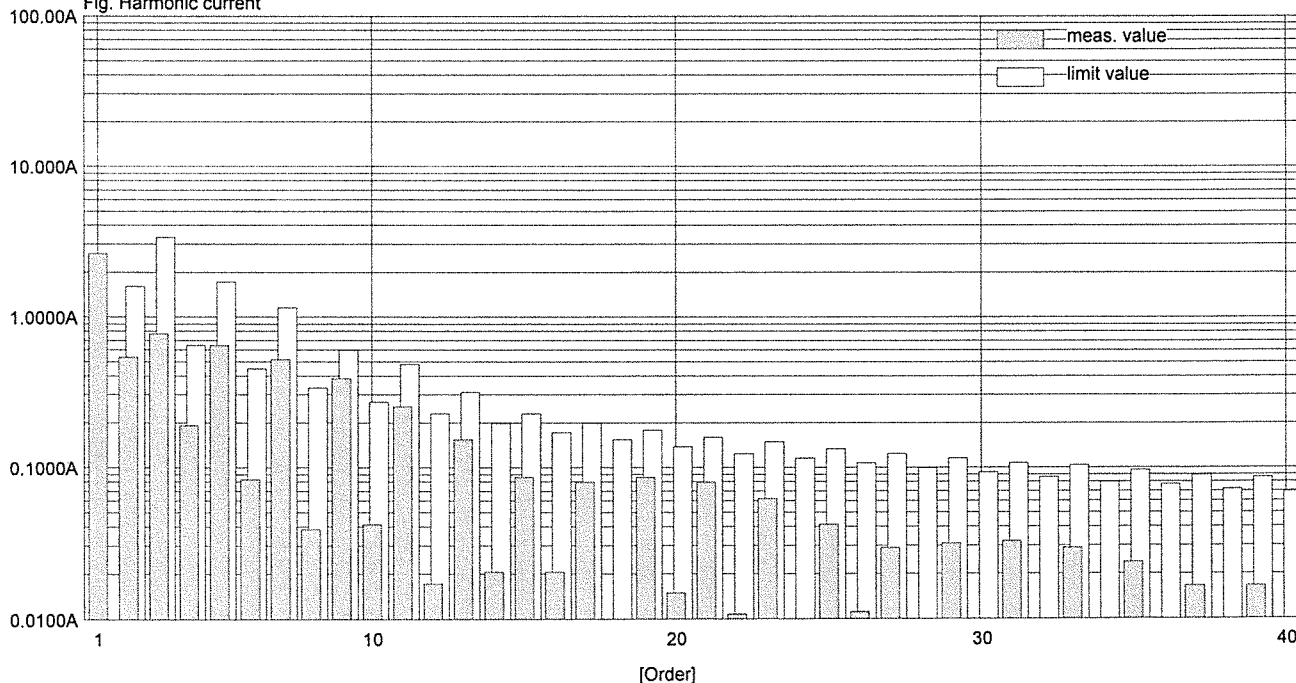
Regulation : IEC61000-3-2 Ed3.0 am2
 IEC61000-4-7 Ed2.0 A1
 Class : CLASS A
 MeasureTime : 150.00sec
 Model : YOKOGAWA WT3000
 Rating Voltage : 230.00 V
 Wiring : single-phase 2-wire
 Element : 1
 Range : 300V/30A
 Current(rms) : 2.8676 A
 Voltage(rms) : 229.61 V
 Frequency : 50.009 Hz
 Power Factor : 0.9055
 Beyond Limit Time : 14.9999 s
 Beyond Total Time : 0.0000 s
 THC : 1.3567 A

PASS

Set Fundamental I : -----
 Set Power Factor : -----
 Set P : -----
 Sigma W Max : 595.6905 W
 Sigma PF : 0.9055
 Distortion factor(V) : 0.09 %
 V THDS : 0.09 %
 V THDG : 0.09 %
 Distortion factor(A) : 78.36 %
 A THDS : 79.56 %
 A THDG : 81.09 %
 P THD : 0.05 %
 Power Limit : 75 W

Order	Measure[A]	Limit[A]	Margin[%]	Order	Measure[A]	Limit[A]	Margin[%]
1	2.5994			2	0.5498	1.6200	66.1
3	0.7691	3.4500	77.7	4	0.1937	0.6450	70.0
5	0.6585	1.7100	61.5	6	0.0829	0.4500	81.6
7	0.5321	1.1550	53.9	8	0.0386	0.3450	88.8
9	0.3914	0.6000	34.8	10	0.0422	0.2760	84.7
11	0.2579	0.4950	47.9	12	0.0173	0.2300	92.5
13	0.1536	0.3150	51.2	14	0.0205	0.1971	89.6
15	0.0861	0.2250	61.7	16	0.0204	0.1725	88.2
17	0.0797	0.1985	59.8	18	0.0079	0.1533	94.9
19	0.0862	0.1776	51.5	20	0.0150	0.1380	89.1
21	0.0794	0.1607	50.6	22	0.0109	0.1255	91.3
23	0.0618	0.1467	57.9	24	0.0079	0.1150	93.1
25	0.0425	0.1350	68.5	26	0.0111	0.1062	89.6
27	0.0299	0.1250	76.1	28	0.0064	0.0986	93.5
29	0.0311	0.1164	73.3	30	0.0073	0.0920	92.1
31	0.0324	0.1089	70.2	32	0.0080	0.0862	90.7
33	0.0296	0.1023	71.1	34	0.0045	0.0812	94.4
35	0.0238	0.0964	75.3	36	0.0064	0.0767	91.7
37	0.0168	0.0912	81.6	38	0.0060	0.0726	91.8
39	0.0164	0.0865	81.1	40	0.0040	0.0690	94.1

Fig. Harmonic current



EN61000-3-3/2013

Voltage Fluctuations/Flicker Measurement

<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	ECOCYS M6535cidn	Z6D4Z00065
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Manual Stapler	MS-5100	V6Y4800015
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 : 54%

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.

<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 M6535cidn

Print Date : Wed Jan 21 13:51:57 2015
MeasureDate : Wed Jan 21 12:49:20 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 : 229.69V
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	0.09	2.01	0.00	0.28
2	0.00	0.00	0.00	0.07
3	0.09	0.12	0.00	0.07
4	0.09	0.12	0.00	0.07
5	0.09	0.13	0.00	0.07
6	0.09	0.13	0.00	0.07
7	0.09	0.13	0.00	0.07
8	0.09	0.13	0.00	0.07
9	0.09	0.13	0.00	0.07
10	0.09	0.13	0.00	0.07
11	0.09	0.13	0.00	0.07
12	0.09	0.13	0.00	0.07

Plt
0.13

ECOSYS M6535cidn

Print Date : Wed Jan 21 14:33:06 2015
MeasureDate : Wed Jan 21 14:31:35 2015
Comment : Duplex Copy
Option : PF-5100*3, IB-50, MS-5100

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 : 228.76V
Set Frequency : 50Hz
Frequency U1 : 50.001Hz
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	0.17	2.71	0.00	0.59
				Plt
				0.26

ECOSYS M6535cidn

Print Date : Wed Jan 21 14:46:40 2015
MeasureDate : Wed Jan 21 14:45:56 2015
Comment : Print
Option : PF-5100*3, IB-50, MS-5100

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 : 228.79V
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	0.04	2.45	0.00	0.60
				Plt
				0.26

ECOSYS M6530cdn

Print Date : Wed Feb 04 12:55:46 2015
 MeasureDate : Wed Feb 04 12:29:17 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 : 229.69V
 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	0.10	2.93	0.00	0.36
2	0.09	0.13	0.00	0.07
3	0.09	0.12	0.00	0.07
4	0.09	0.13	0.00	0.07
5	0.09	0.13	0.00	0.07
6	0.09	0.13	0.00	0.07
7	0.09	0.13	0.00	0.07
8	0.09	0.13	0.00	0.07
9	0.09	0.13	0.00	0.07
10	0.09	0.13	0.00	0.07
11	0.09	0.13	0.00	0.07
12	0.09	0.13	0.00	0.07

Plt
 0.16

ECOSYS M6530cdn

Print Date : Fri Feb 06 15:30:04 2015
MeasureDate : Fri Feb 06 15:28:33 2015
Comment : ~~Standby~~ *Copy*
Option : PF-5100*3, IB-50, MS-5100

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 : 229.05V
Set Frequency : 50Hz
Frequency U1 : 50.001Hz
Element : 1
dmin : 0.10%

PASS

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

No.	dc[%]	dmax[%]	d(t)[ms]	Pst
1	0.09	1.91	0.00	0.70
				Pit
				0.30