

SECTION 6

Test Reports of Human Exposure to Electromagnetic Fields
(EN62311 /2008)

EN62311/2008

Assessment criteria to permit evaluation of compatibility of electrical and electronic apparatus with standards for human exposure to electromagnetic fields

<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

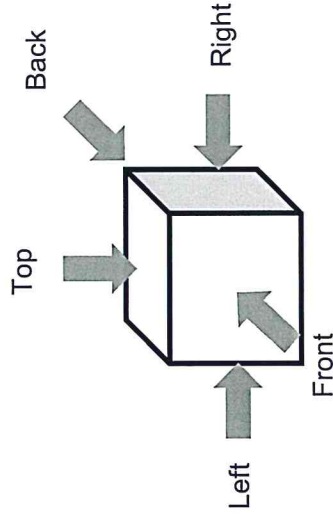
This test was applied as follows.

<i>Frequency Range</i>	<i>E-Field Strength (V/m)</i>	<i>H-Field Strength (A/m)</i>
Up to 1Hz	---	3.2×10^4
1Hz-8Hz	10,000	$3.2 \times 10^4 / f^2$
8Hz-25Hz	10.000	$4000 / f$
0.025kHz-0.8kHz	$250 / f$	$4 / f$
0.8kHz-3kHz	$250 / f$	5
3kHz-150kHz	87	5
0.15MHz-1MHz	87	$0.73 / f$
1MHz-10MHz	$87 / f^{1/2}$	$0.73 / f$
10MHz-400MHz	27.5	0.073
400MHz-2000MHz	$1.375 f^{1/2}$	$0.0037 f^{1/2}$
2GHz-300GHz	61	0.16

We entrusted this test to Furuno Labotech International Co., Ltd.

See the attached documents for details.

Date: 2014/12/18
 Location: Furuno Labotech EMC Center 10 m semi-anechoic chamber
 Manufacture: KYOCERA Document Solutions Inc.
 Product category: Printer
 Model name (S/N): ECOSYS P6035cdh (S/N: Z5U4Z000059)
 Standard: ICNIRP Guideline Gen.Pub.1998
 Power supply voltage: 230 VAC, 50 Hz
 Temperature, humidity: 19 °C, 42 %RH
 Operating mode: LAN print (On Board)
 Operator: T. Ekawa
 Final judgment: Passed (10 cm)
 Measurement uncertainty: 30%



The uncertainty values specified under each assessment method are the maximum allowed uncertainty.
 If the uncertainty value is not specified, then a default value of 30 % shall be used. (Refer to EN 62311: 2008, Clause 6)

		Measuring Equipment	Measurement mode	Result		Max. point	Judgment (Passed or Failed)
				Distance	Result		
H-Field	1 Hz to 400 kHz	narda ELT-400	Std Mode 100%	Ambient	0.183		
				0 cm	279.4	Left	Failed
				10 cm	15.64	Left	Passed
	300 kHz to 30 MHz	narda NBM-520 (HF3061)	MAX. Hold (Peak) 0.073 A/m	30 cm	1.705	Left	Passed
				Ambient	0.0054		
				0 cm	0.1087	Right	Failed
	27 MHz to 1 GHz	narda NBM-520 (HF0191)	MAX. Hold (Peak) 0.073 A/m	10 cm	0.0230	Right	Passed
				30 cm	0.0116	Right	Passed
				Ambient	0.0048		
	100 kHz to 3 GHz	narda NBM-520 (EF0391)	MAX. Hold (Peak) 27.5 V/m	0 cm	0.0361	Top	Passed
				10 cm	0.0182	Top	Passed
				30 cm	0.0095	Top	Passed
E-Field	300 kHz to 50 GHz	narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	Ambient	0.10		
				0 cm	127.8	Right	Failed
				10 cm	9.90	Right	Passed
				30 cm	1.44	Right	Passed
				Ambient	0.0440		
				0 cm	13.93	Right	Passed
				10 cm	0.3169	Right	Passed
				30 cm	0.0559	Right	Passed

Date: 2014/12/18

Location: Furuno Labotech EMC Center 10 m semi-anechoic chamber

Manufacturer: KYOCERA Document Solutions Inc.

Product category: Printer

Model name (S/N): ECOSYS P6035cdn (S/N: Z5U4Z00059)

Standard: ICNIRP Guideline Gen.Pub.1998

Power supply voltage: 230 VAC, 50 Hz

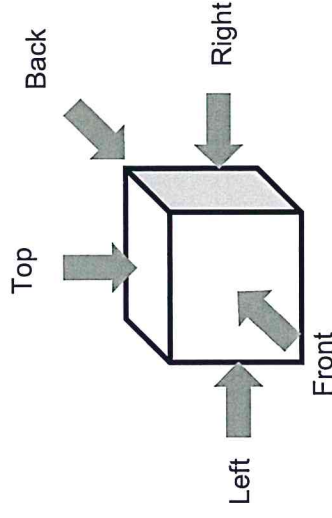
Temperature, humidity: 19 °C, 42 %RH

Operating mode: standby

Operator: T. Ekawa

Final judgment: Passed (0 cm)

Measurement uncertainty: 30%



The uncertainty values specified under each assessment method are the maximum allowed uncertainty.
If the uncertainty value is not specified, then a default value of 30 % shall be used. (Refer to EN 62311: 2008, Clause 6)

		Measuring Equipment	Measurement mode	Result		Max. point	Judgment (Passed or Failed)
				Distance	Result		
H-Field	1 Hz to 400 kHz	narda ELT-400	Std Mode 100%	Ambient	0.183		
				0 cm	10.80	Right	Passed
				10 cm	1.542	Right	Passed
				30 cm	0.257	Right	Passed
	300 kHz to 30 MHz	narda NBM-520 (HF3061)	MAX. Hold (Peak) 0.073 A/m	Ambient	0.0054		
				0 cm	0.0080	Front	Passed
				10 cm	0.0079	Front	Passed
				30 cm	0.0076	Front	Passed
	27 MHz to 1 GHz	narda NBM-520 (HF0191)	MAX. Hold (Peak) 0.073 A/m	Ambient	0.0048		
				0 cm	0.0307	Front	Passed
				10 cm	0.0095	Front	Passed
				30 cm	0.0079	Front	Passed
E-Field	100 kHz to 3 GHz	narda NBM-520 (EF0391)	MAX. Hold (Peak) 27.5 V/m	Ambient	0.10		
				0 cm	1.05	Back	Passed
				10 cm	0.15	Back	Passed
				30 cm	0.12	Back	Passed
	300 kHz to 50 GHz	narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	Ambient	0.0440		
				0 cm	0.1539	Front	Passed
				10 cm	0.0513	Front	Passed
				30 cm	0.1172	Front	Passed