

SECTION 7

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

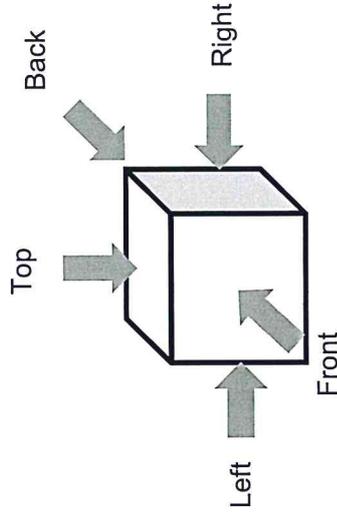
<i>Equipment</i>	<i>Model</i>	<i>Serial No.</i>
Multi-Function Printer	ECOCYS M6535cidn	Z6D4Z00065
Paper Feeder	PF-5100	ZC34900236
		ZC34900237
		ZC34900238
Manual Stapler	MS-5100	V6Y4800015
Printer NIC	IB-50	TEST-1
	IB-51	TEST-1
Hard Disk Drive	HD-6	TEST-1
	HD-7	TEST-1

This test was applied as follows.

<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.

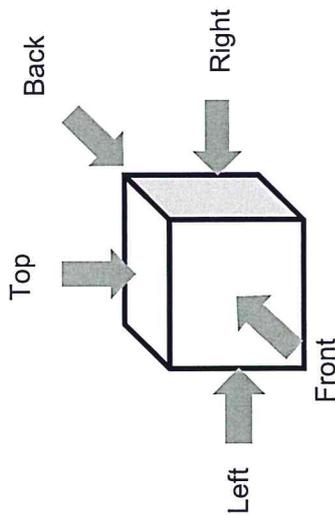
Date: 2014/12/26
 Location: Furuno Labotech EMC Center 10 m semi-anechoic chamber
 Manufacture: KYOCERA Document Solutions Inc.
 Product category: MFP
 Model name (S/N): ECOSYS M6535cidh (S/N: Z6E4Z00065)
 Standard: ICNIRP Guideline Gen.Pub.1998
 Power supply voltage: 230 VAC, 50 Hz
 Temperature, humidity: 20°C, 36%RH
 Operating mode: Standby
 Operator: Tadayuki.Ekawa, Yuya Katoh
 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		Judgment (Passed or Failed)
			Distance	Result	
H-Field	narda ELT-400	Std Mode 100%	Ambient	0.174	Passed
			0 cm	17.22	
			10 cm	2.346	
	narda NBM-520 (HF3061)	MAX. Hold (Peak) 0.073 A/m	30 cm	0.338	Passed
			Ambient	0.0067	Passed
			0 cm	0.0096	
	narda NBM-520 (HF0191)	MAX. Hold (Peak) 0.073 A/m	10 cm	0.0084	
			30 cm	0.0091	Passed
			Ambient	0.0065	Passed
narda NBM-520 (EF0391)	MAX. Hold (Peak) 27.5 V/m	0 cm	0.0122	Passed	
		10 cm	0.0102	Passed	
		30 cm	0.0079	Passed	
narda NBM-520 (EF0391)	MAX. Hold (Peak) 27.5 V/m	Ambient	0.07	Passed	
		0 cm	2.10		
		10 cm	0.24		
narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	30 cm	0.10	Passed	
		Ambient	0.4250	Passed	
		0 cm	0.6302		
narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	10 cm	0.6082		Passed
		30 cm	0.5569	Passed	
		Ambient	0.4250	Passed	
narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	0 cm	0.6302		Passed
		10 cm	0.6082		Passed
		30 cm	0.5569	Passed	

Date: 2014/12/26
 Location: Furuno Labotech EMC Center 10 m semi-anechoic chamber
 Manufacture: KYOCERA Document Solutions Inc.
 Product category: MFP
 Model name (S/N): ECOSYS M6535cidn (S/N: Z6E4Z00065)
 Standard: ICNIRP Guideline Gen.Pub.1998
 Power supply voltage: 230 VAC, 50 Hz
 Temperature, humidity: 20°C, 36%RH
 Operating mode: Copy
 Operator: Tadayuki.Ekawa, Yuya Katoh
 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	narda ELT-400	Std Mode 100%	Ambient	0.183		
			0 cm	272.4	Left	Failed
			10 cm	17.52	Left	Passed
	narda NBM-520 (HF3061)	MAX. Hold (Peak) 0.073 A/m	30 cm	2.041	Left	Passed
			Ambient	0.0054		
			0 cm	0.0903	Right	Failed
	narda NBM-520 (HF0191)	MAX. Hold (Peak) 0.073 A/m	10 cm	0.0227	Right	Passed
			30 cm	0.0192	Right	Passed
			Ambient	0.0048		
narda NBM-520 (EF0391)	MAX. Hold (Peak) 27.5 V/m	0 cm	0.0359	Top	Passed	
		10 cm	0.0316	Top	Passed	
		30 cm	0.0170	Top	Passed	
E-Field	narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	Ambient	0.10		
			0 cm	119.7	Right	Failed
			10 cm	6.40	Right	Passed
	narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	30 cm	0.80	Right	Passed
			Ambient	0.0440		
			0 cm	9.43	Right	Passed
	narda NBM-520 (ED5091)	MAX. Hold (Peak) 20%	10 cm	0.2237	Right	Passed
			30 cm	0.0466	Right	Passed
			Ambient	0.0466		