

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 P7040cdn | Z5Y4Z00055 |
| 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.

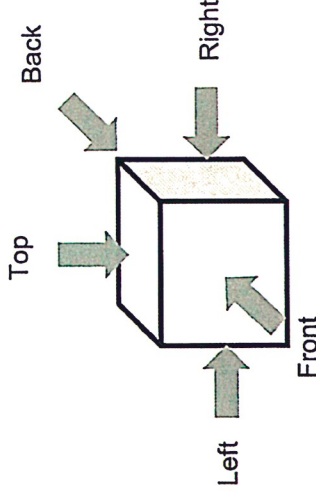
| <i>Frequency Range</i> | <i>E-Field Strength (V/m)</i> | <i>H-Field Strength (A/m)</i> |
|------------------------|-------------------------------|-------------------------------|
| Up to 1Hz | --- | 3.2×10^4 |
| 1Hz-8Hz | 10,000 | $3.2 \times 10^4/f^2$ |
| 8Hz-25Hz | 10,000 | $4000/f$ |
| 0.025kHz-0.8kHz | $250/f$ | $4/f$ |
| 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 | $1.375f^{1/2}$ | $0.0037f^{1/2}$ |
| 2GHz-300GHz | 61 | 0.16 |

We entrusted this test to 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 P7040cdn (S/N: Z5Y4Z00055) |
| 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 |
| | | | | 30 cm | 1.705 | Left | Passed |
| | 300 kHz to 30 MHz | narda NBM-520 (HF3061) | MAX. Hold (Peak) 0.073 A/m | Ambient | 0.0054 | | |
| | | | | 0 cm | 0.1087 | Right | Failed |
| | | | | 10 cm | 0.0230 | Right | Passed |
| | | | | 30 cm | 0.0116 | Right | Passed |
| | 27 MHz to 1 GHz | narda NBM-520 (HF0191) | MAX. Hold (Peak) 0.073 A/m | Ambient | 0.0048 | | |
| | | | | 0 cm | 0.0361 | Top | Passed |
| | | | | 10 cm | 0.0182 | Top | Passed |
| | | | | 30 cm | 0.0095 | Top | Passed |
| E-Field | 100 kHz to 3 GHz | narda NBM-520 (EF0391) | MAX. Hold (Peak) 27.5 V/m | Ambient | 0.10 | | |
| | | | | 0 cm | 127.8 | Right | Failed |
| | | | | 10 cm | 9.90 | Right | Passed |
| | | | | 30 cm | 1.44 | Right | Passed |
| | 300 kHz to 50 GHz | narda NBM-520 (ED5091) | MAX. Hold (Peak) 20% | Ambient | 0.0440 | | |
| | | | | 0 cm | 13.93 | Right | Passed |
| | | | | 10 cm | 0.3169 | Right | Passed |
| | | | | 30 cm | 0.0559 | Right | Passed |