

## *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>
Multi-Function Printer	TASKalfa 1801 / 2201	ZBH3900042
Paper Feeder	PF-480	LBN3900023
		LBN3900027
		LBN3900029
Document Processor	DP-480	ZBK3500252
Duplex Unit	DU-480	TEST-1
FAX Kit	FAX System (X)	TEST-1
Network Printer Kit	IB-33	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	---	$3.2 \times 10^4$
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 Tokin EMC Engineering Co., Ltd.

See the attached documents for details.

Date & Location : 15 October, 2013 , Osaka Big AC

Manufacture : Kyocera Document Solutions

Product Category : Multi Function Printer

Model Name (S/N) : TASKalfa2201 (ZBH3900042)

Standard : ICNIRP Guideline Gen.Pub. 1998

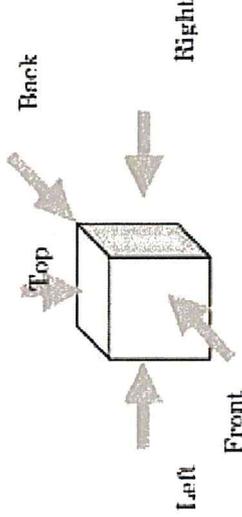
AC Power : 230V, 50Hz

Ambient : 23.8°C, 56.5%

Operating Mode : Copy Mode

Operator : M.Morooka.

Final Judgment : Pass (10cm)



	Measurement Equipment	Measurement Mode	Result		Max Point	Judgment (Pass or Fail)	
			Ambient	Unit			
H-Field	1Hz ~ 400kHz	NARDA ELT400	Std Mode	Ambient	0.186	Back	Pass
				0cm	24.160		
				10cm	2.228		
				30cm	1.183		
	300kHz ~ 30MHz	NARDA NBM520 (HF3061)	MAX Hold (Peak)	Ambient	0.0031	Back	Fail
				0cm	0.0919		
				10cm	0.0101		
				30cm	0.0070		
	27MHz ~ 1GHz	NARDA NBM520 (HF0191)	MAX Hold (Peak)	Ambient	0.0026	Right	Pass
				0cm	0.0657		
				10cm	0.0260		
				30cm	0.0148		
E-Field	100kHz ~ 3GHz	NARDA NBM520 (EF0391)	MAX Hold (Peak)	Ambient	0.12	Back	Fail
				0cm	128.00		
				10cm	7.68		
				30cm	5.54		
	300kHz ~ 50GHz	NARDA NBM520 (ED5091)	MAX Hold (Peak)	Ambient	0.0050	Back	Pass
				0cm	2.5230		
				10cm	0.1429		
				30cm	0.0922		

\*EN62311

*M. Morooka*