SMD Antenna

Type: WXA-N1SF

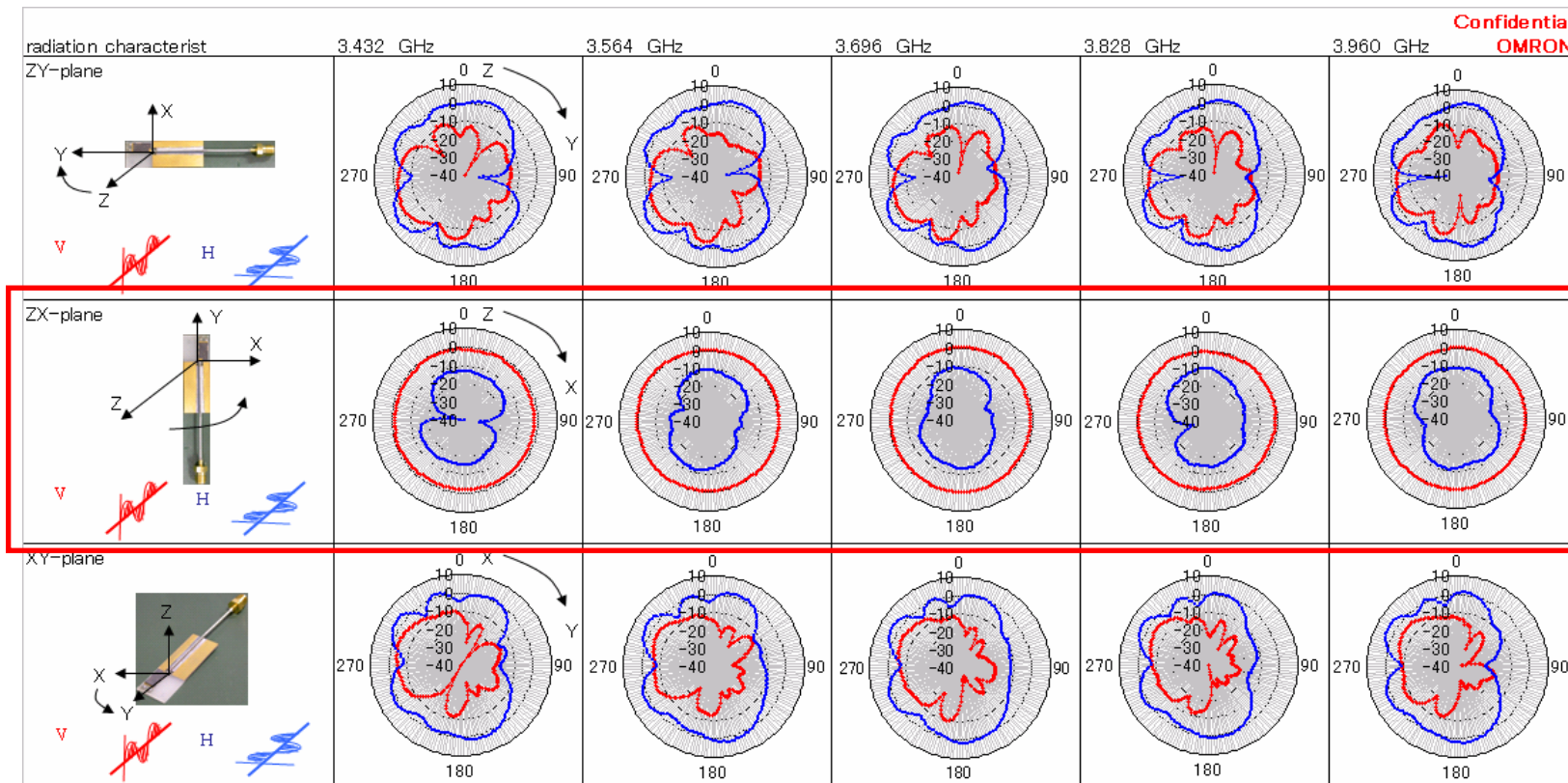# Measured Data

No.	Item	Page
1	Dimension	2
2	Radiation pattern	3-4
3	VSWR	5

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50mm
Semi-rigid cable + SMA connector

14

41

Material:FR-4
Thickness:1mm

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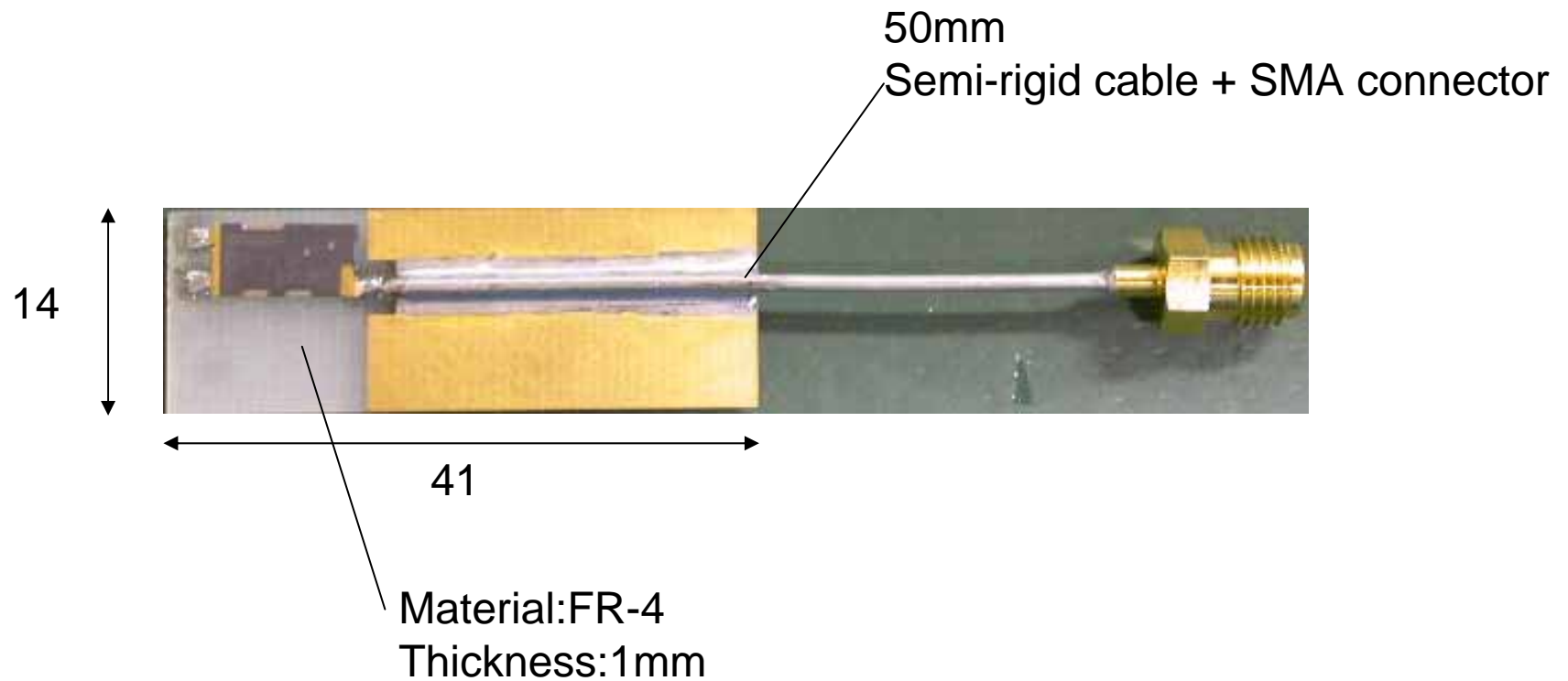
Radiation Pattern 3.432GHz-3.960GHz
Gain-flatness of ZX-V is 2.5(MAX)

Average gain(dBi)

freq(GHz)		3.432	3.564	3.696	3.828	3.960
ZY-plane	V	-7.9	-8.3	-8.9	-9.3	-9.0
	H	-0.9	-0.4	-1.0	-1.6	-1.1
ZX-plane	V	-2.0	-0.3	-0.7	-1.5	-0.7
	H	-16.2	-14.9	-15.5	-15.0	-13.6
XY-plane	V	-10.3	-11.1	-11.2	-11.9	-11.6
	H	-1.7	-1.3	-1.7	-2.1	-1.5

delta_max-min

freq(GHz)		3.432	3.564	3.696	3.828	3.960
ZY-plane	V	40.5	26.5	35.1	35.9	25.6
	H	36.4	39.1	27.0	26.5	37.0
ZX-plane	V	1.7	2.0	2.2	2.5	1.8
	H	31.4	14.0	13.7	21.2	11.4
XY-plane	V	40.3	25.5	30.2	53.6	33.0
	H	20.9	16.7	14.7	19.6	27.6

Radiation Pattern 4.092GHz-4.488GHz
Gain-flatness of ZX-V is 4.8(MAX)

radiation characteristic — 4.092 GHz, 4.224 GHz, 4.356 GHz, 4.488 GHz (ZY-plane, ZX-plane, XY-plane)
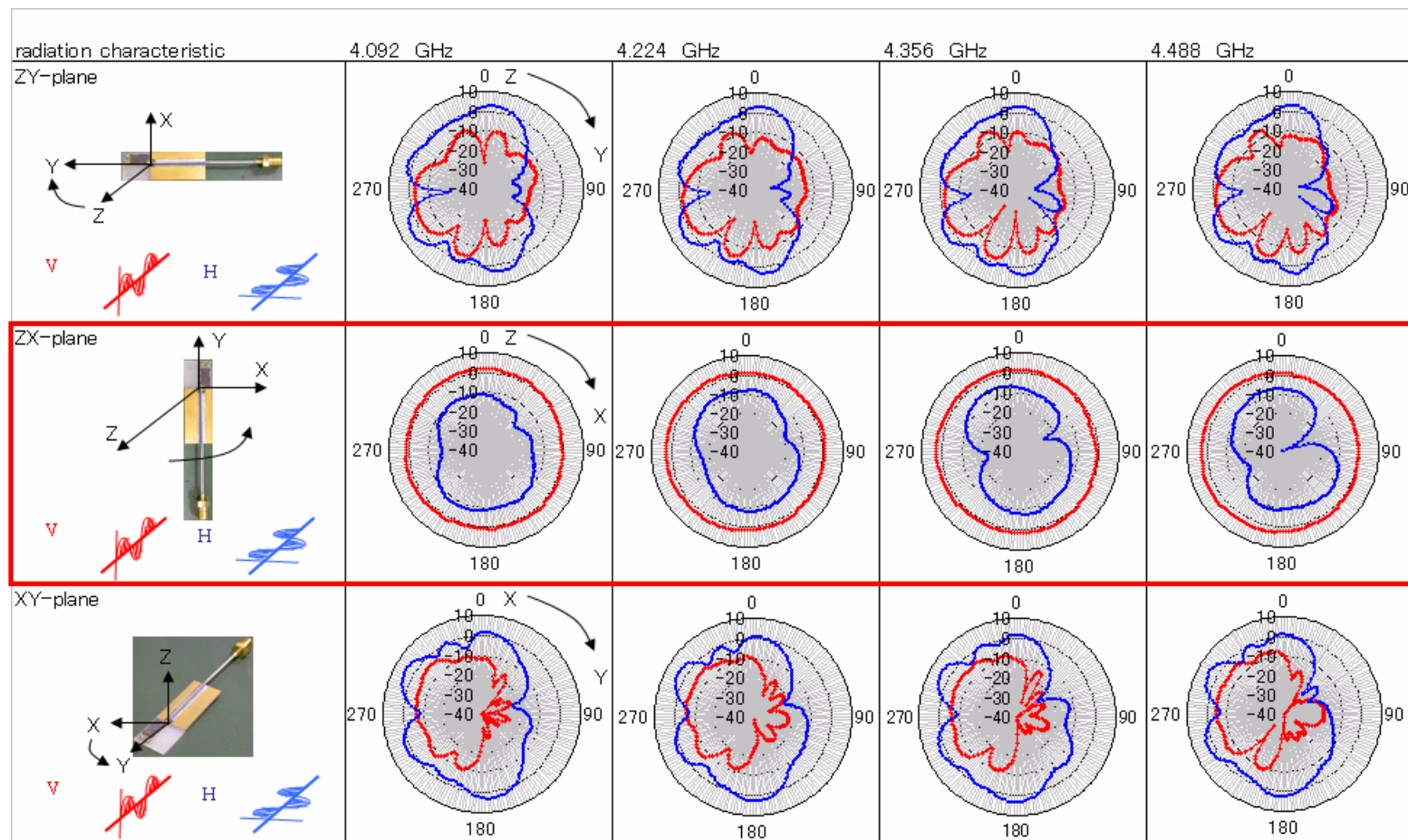
Average gain(dBi)

freq(GHz)		4.092	4.224	4.356	4.488
ZY-plane	V	-8.9	-8.4	-7.8	-7.6
	H	-1.2	-1.5	-1.4	-1.8
ZX-plane	V	0.9	1.3	0.9	1.4
	H	-11.5	-10.7	-10.3	-10.4
XY-plane	V	-11.0	-11.2	-10.6	-10.1
	H	-1.5	-1.9	-1.3	-1.8

delta_max-min

freq(GHz)		4.092	4.224	4.356	4.488
ZY-plane	V	24.0	21.8	28.2	22.5
	H	29.8	35.2	36.0	38.9
ZX-plane	V	2.8	2.4	4.8	3.8
	H	13.1	10.7	19.8	34.4
XY-plane	V	46.1	33.7	38.3	46.9
	H	27.8	26.1	30.7	30.1

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VSWR
VSWR<2.5 from 3.1GHz to 9.6GHz

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