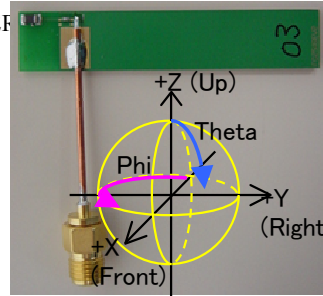
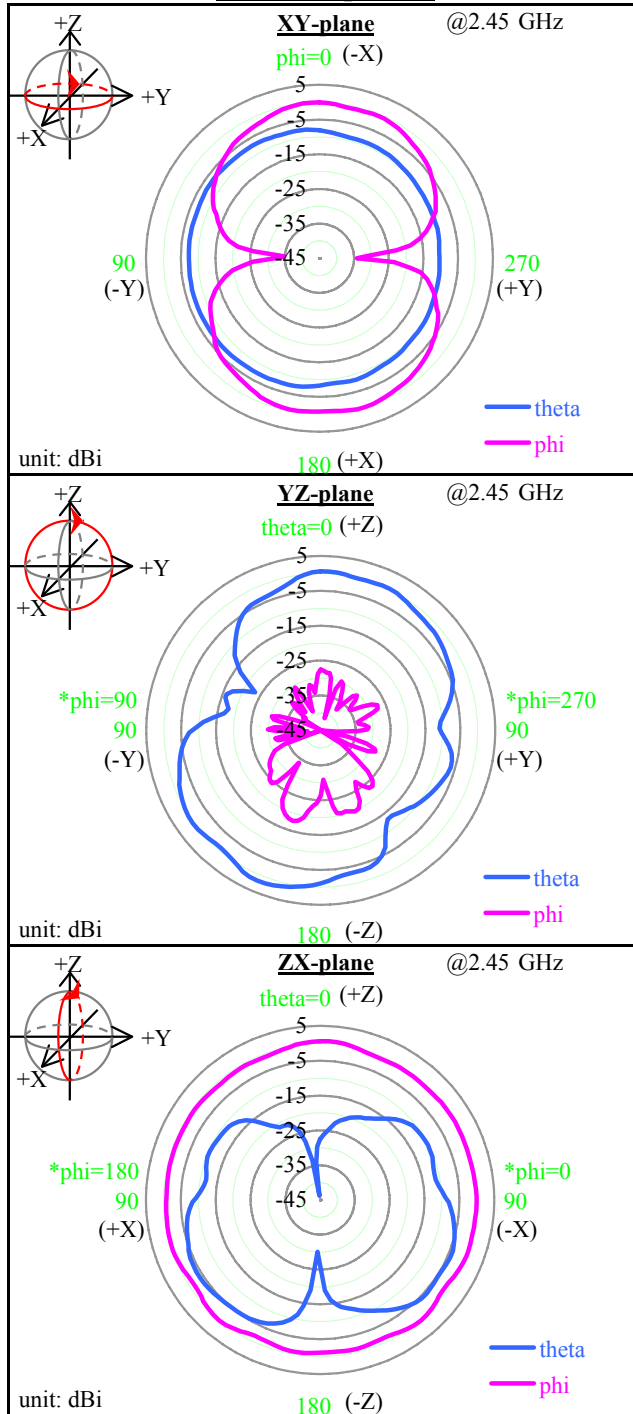


Measured in Satimo Stargate system at TAIYO YUDEN R&D CENTER
 Antenna sample: AF_216M2450
 Antenna size: 2.5 x 1.6 [mm]
 Antenna on evaluation PCB (52 x 10 [mm])

09.Jul.2004
 TAIYO YUDEN CO.,LTD.



Radiation pattern



*theta=Vertical polar, phi=Horizontal polar

Peak gain

unit: dBi

Frequency [GHz]	@2.4	@2.45	@2.5	
XY-plane	theta	-6.8	-6.9	-6.7
	phi	-0.2	0.0	-0.1
YZ-plane	theta	1.5	1.8	2.0
	phi	-18.5	-17.9	-17.8
ZX-plane	theta	-3.9	-3.9	-3.4
	phi	-0.1	0.6	0.6

Average gain

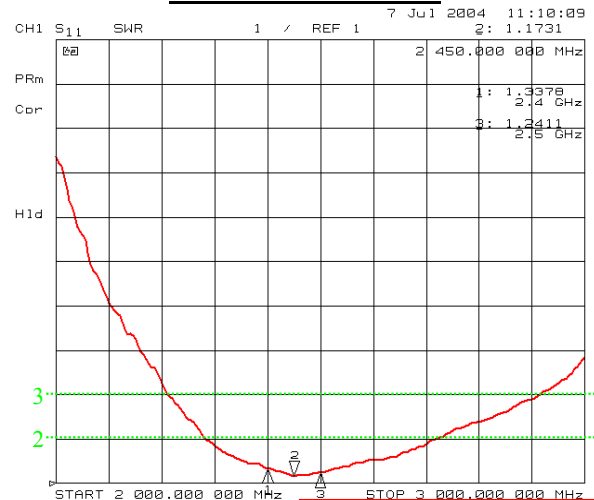
unit: dBi

Frequency [GHz]	@2.4	@2.45	@2.5	
XY-plane	theta	-8.2	-8.2	-8.3
	phi	-3.9	-3.7	-3.7
	Ave(t,p)	-5.5	-5.4	-5.4
YZ-plane	theta	-3.1	-2.8	-2.7
	phi	-26.5	-26.7	-26.4
	Ave(t,p)	-6.0	-5.8	-5.7
ZX-plane	theta	-8.8	-8.5	-8.4
	phi	-0.9	-0.6	-0.4
	Ave(t,p)	-3.2	-2.9	-2.8
Total	theta	-5.9	-5.7	-5.6
	phi	-3.9	-3.6	-3.5
	Ave(t,p)	-4.8	-4.5	-4.4

*Note: The value is average value in 1 round of each inclination direction angle.

*Note: Total Ave.Gain={XY(V)+XY(H)+YZ(V)+YZ(H)+ZX(V)+ZX(H)}/6

VSWR characteristics



Efficiency

Frequency [GHz]	@2.4	@2.45	@2.5
Efficiency [dB]	-1.7	-1.4	-1.3

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