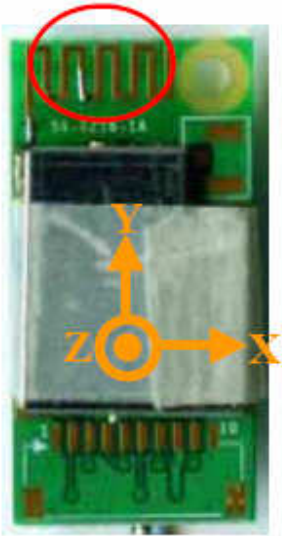


QCom QBTM400 Printed Antenna **Field Pattern Report**

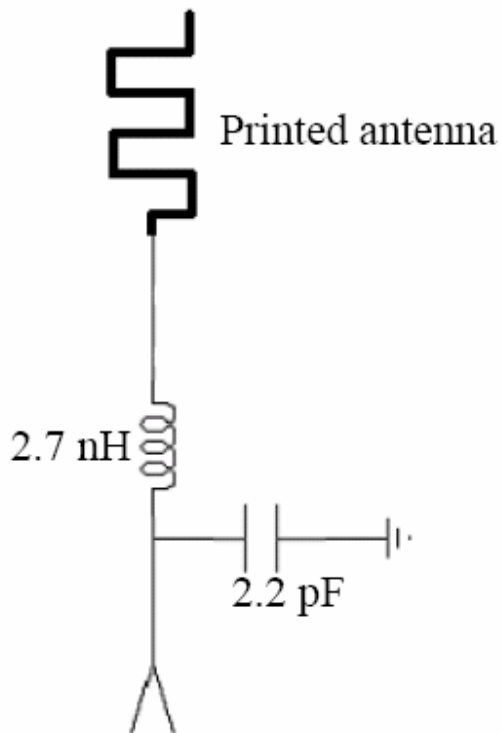
Report Date: 2007/04/16

1. PCB outlooking / (Draft)

Printed antenna



2. Antenna matching Schematic:



3. Measurement result:

A. Equipment Settings

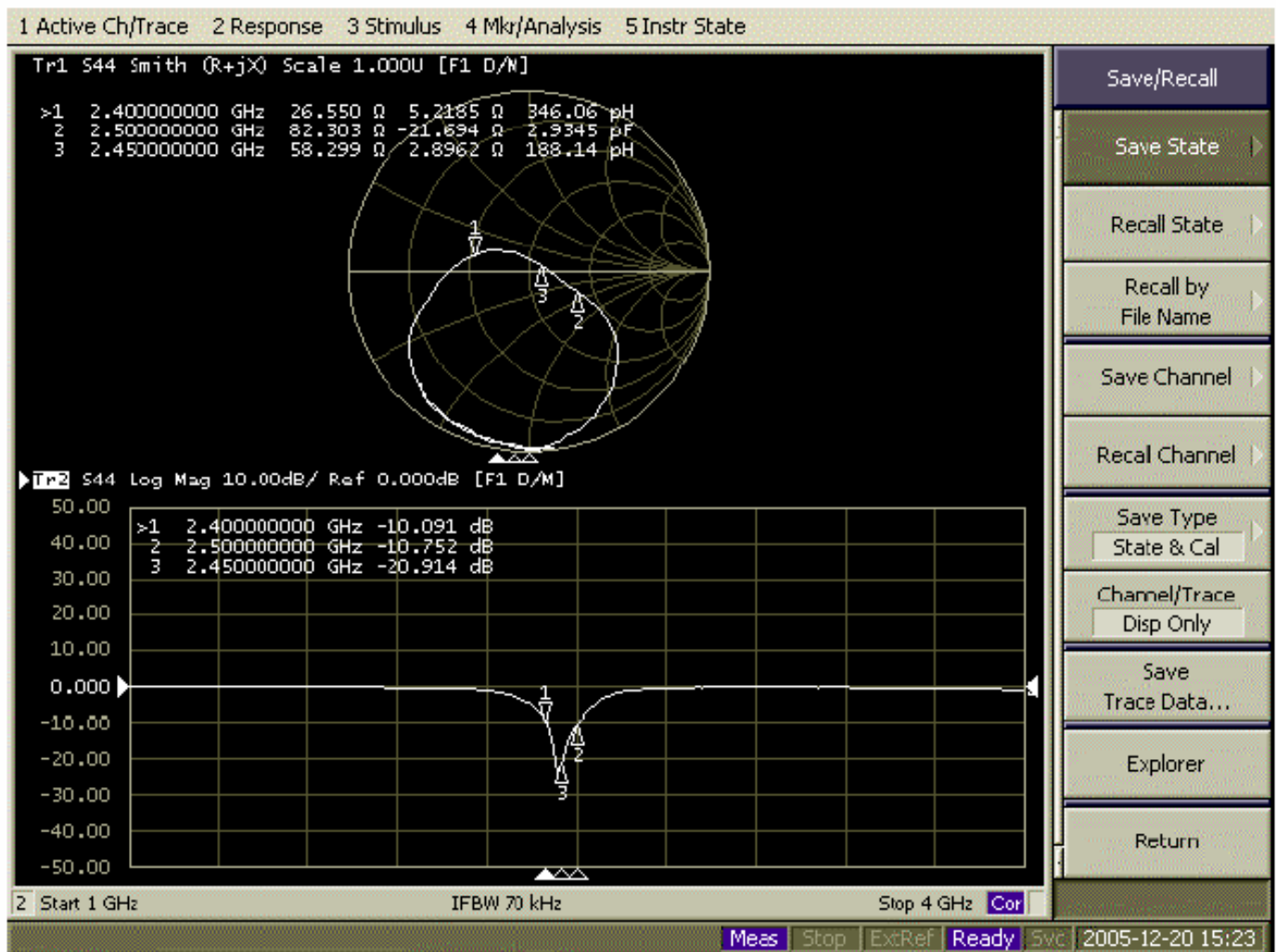
* Return Loss / VSWR

- Equipment : Vector network analyzer-Agilent E5071A/B
- Calibration : open/short/load -Cal. Kit 85052D

* Radiation pattern :

- Far-field anechoic chamber

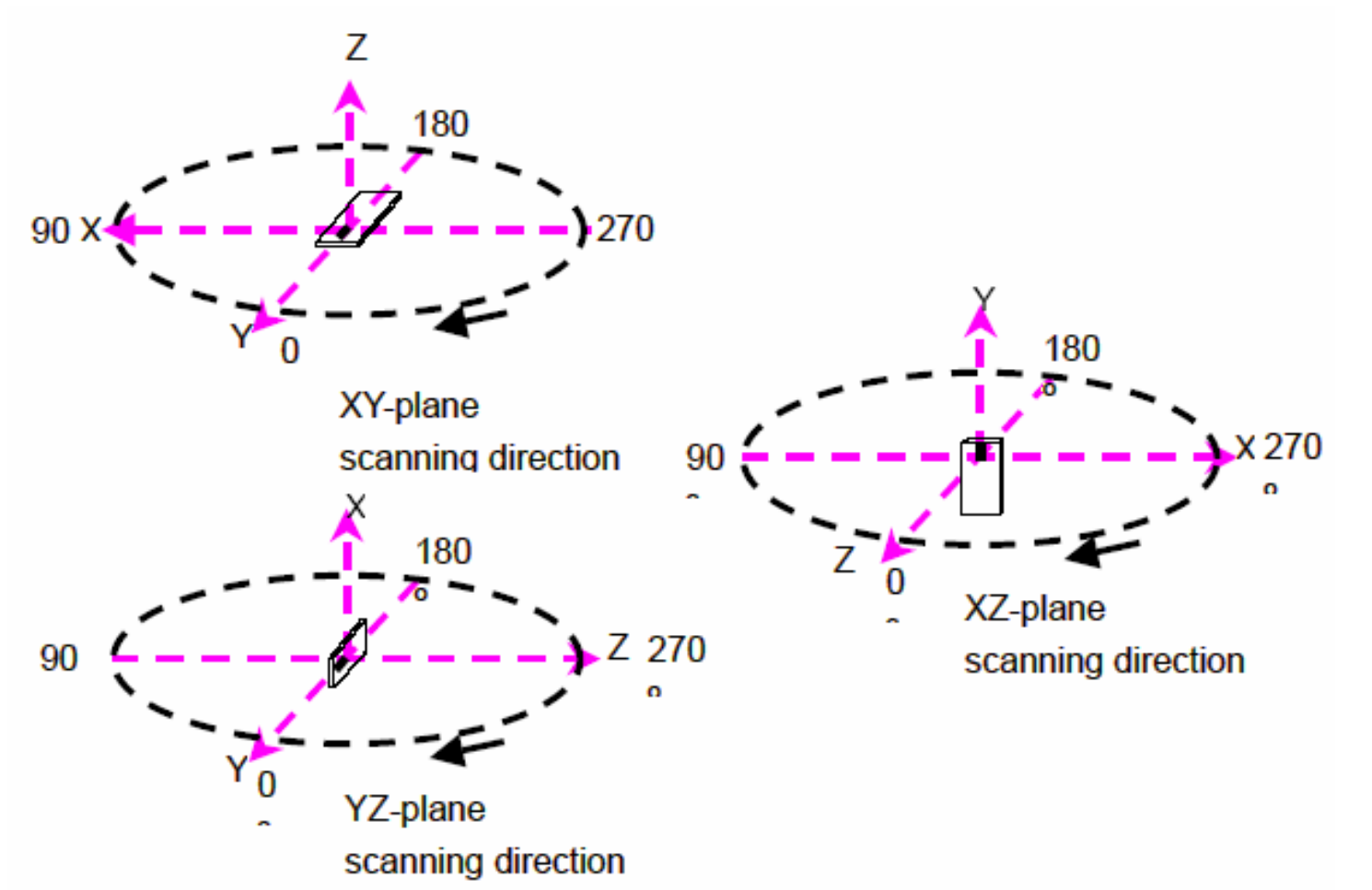
B. Printed antenna (Return Loss) Measurement



Bandwidth: 2.40~2.50GHz(RL<-10dB)

C. Radiation Field Pattern(2.45GHz)

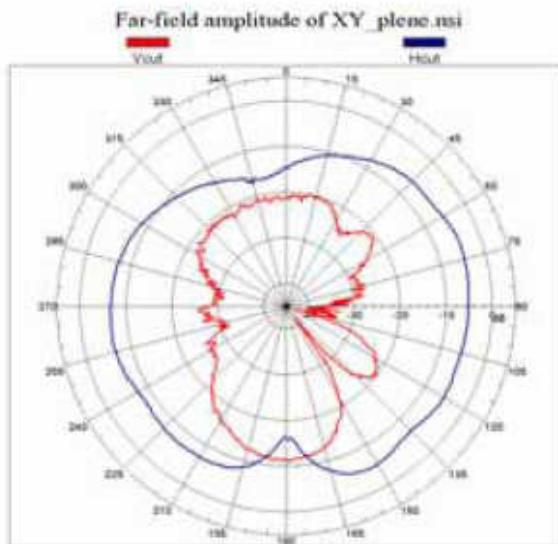
● Scanning direction



Gain Table

Unit in dBi	XY-plane		XZ-plane		YZ-plane	
	Peak	Avg.	Peak	Avg.	Peak	Avg.
H cut	-4.67	-7.92	-17.69	-21.12	-4.91	-8.41
V cut	-11.28	-21.19	-4.91	-7.38	-9.87	-14.83

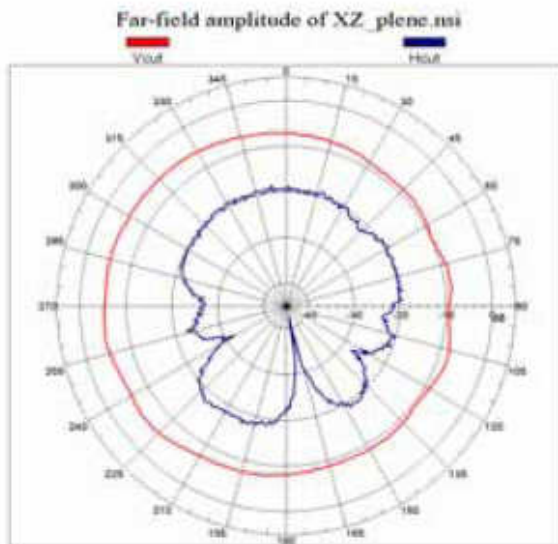
◆XY-plane



Unit : dBi

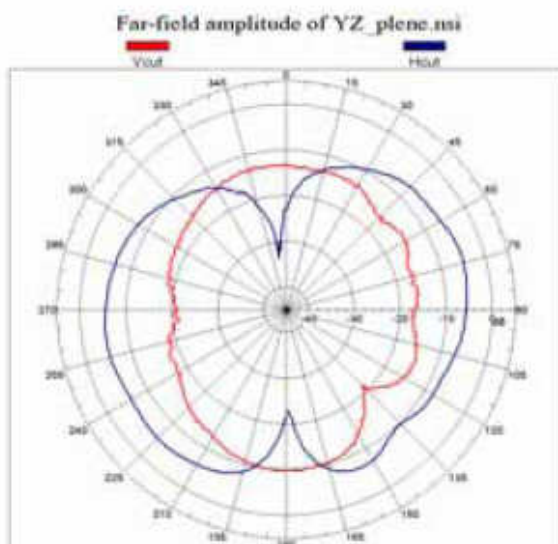
	Peak gain	Avg. gain
H cut	-4.67	-7.92
V cut	-11.28	-21.19

◆XZ-plane



	Peak gain	Avg. gain
H cut	-17.69	-21.12
V cut	-4.91	-7.38

◆YZ-plane



	Peak gain	Avg. gain
H cut	-4.91	-8.41
V cut	-9.87	-14.83