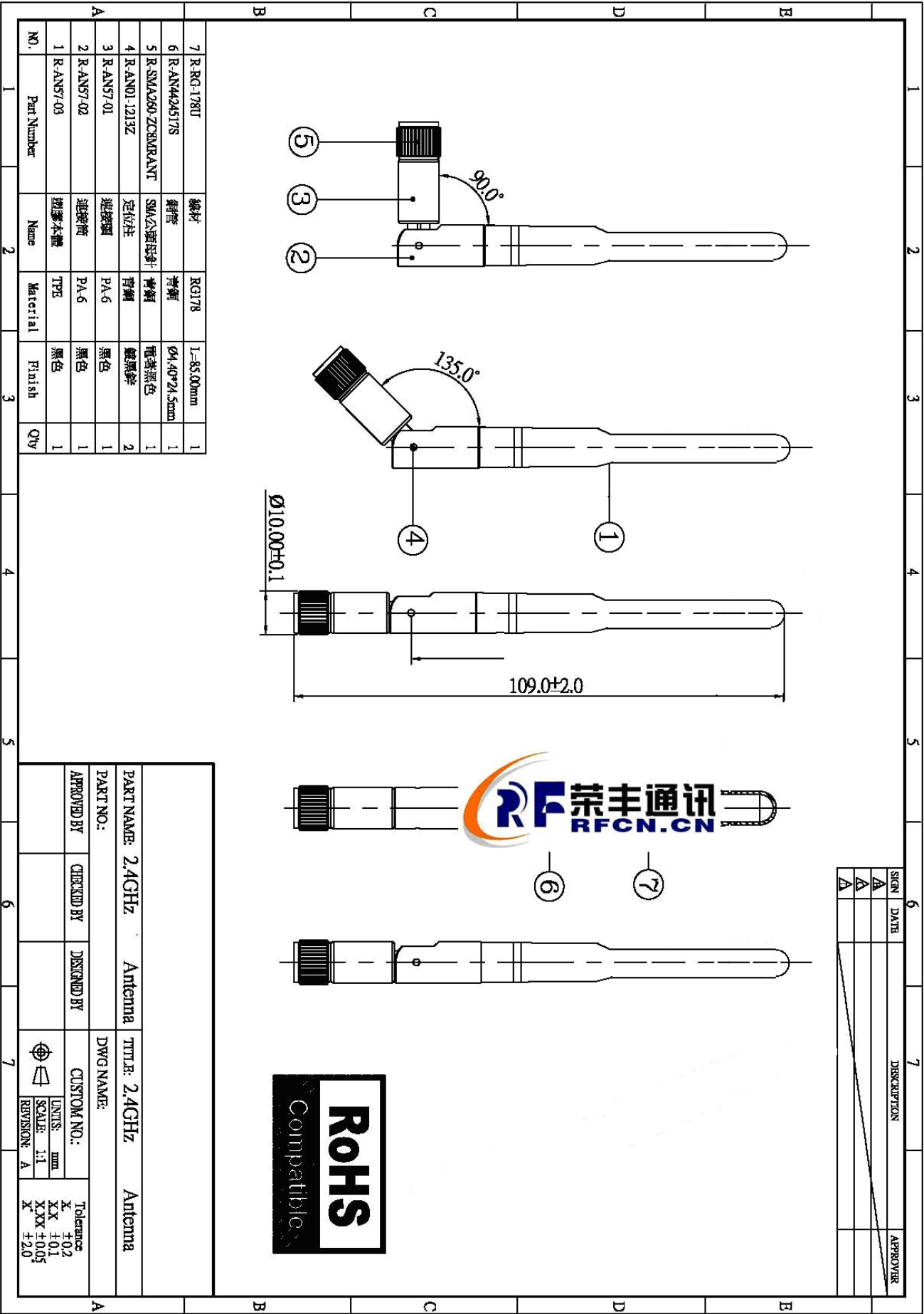




Index:

- 1 Mechanical Dimension Drawing
- 2 Technical Specification
- 3 S11 Return Loss / S.W.R. / Impedance Testing Result
- 4 Antenna Radiation Pattern

1. Mechanical Dimension Drawing



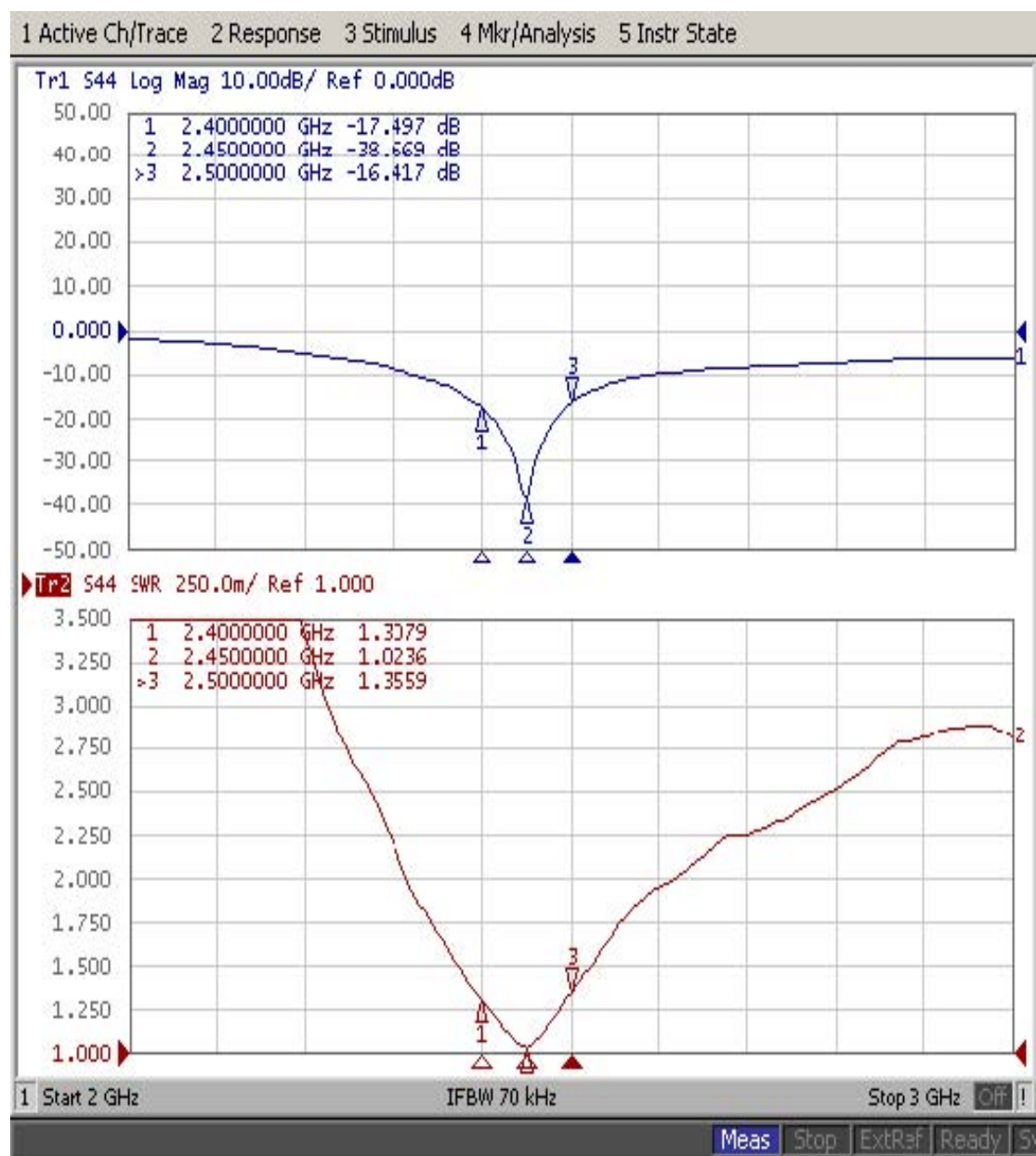
Product Number: RF-AN2400L-2DBi Product Name: 2.4 GHz External Antenna

2. Technical Specification

A. Electrical Characteristics	
Working Frequency Range	2400 ~ 2500 MHz
S.W.R.	≤ 2.0
Antenna Gain	2.0 ± 0.5 dBi
Antenna Radiation Pattern	Omni-directional
Impedance	50 ohm
B. Material	
Color of Outer Cover	Black
Material of Outer Cover	TPE
Material of Hinge	PA-6
Material of Base	PA-6
Connector Type	50 Ohm SMA Male Reverse // Black Plated
Tube	Copper (C3604)
Total Length	109 mm
C. Environmental	
Operation Temperature	- 30 ° C ~ + 85 ° C
Storage Temperature	- 30 ° C ~ + 85 ° C

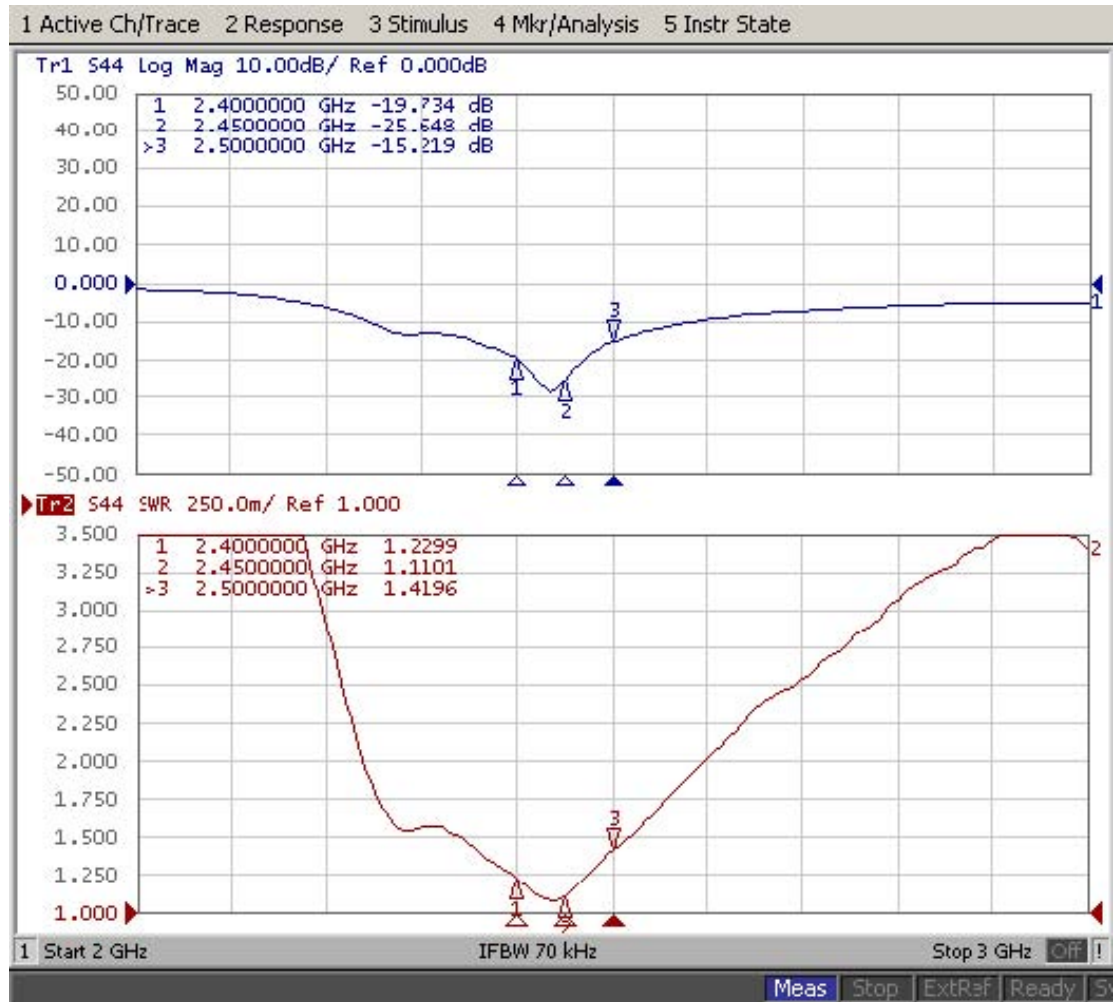
Product Number: RF-AN2400L-2DBi Product Name: 2.4 GHz External Antenna

Antenna Hinge is 90 degree



Product Number: RF-AN2400L-2DBi Product Name: 2.4 GHz External Antenna

Antenna Hinge is 180 degree



Product Number: RF-AN2400L-2DBi

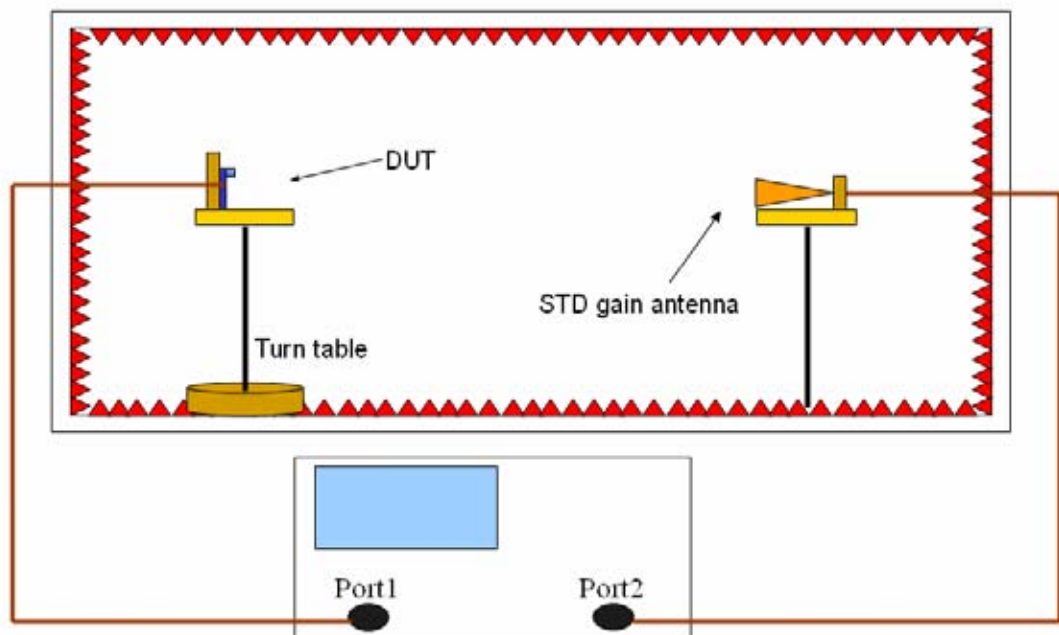
Product Name: 2.4 GHz External Antenna

4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m Quiet Zone: 600mm @1 GHz
Isolation: >100dB @ 1 MHz ~ 10 GHz Testing Equipment: Agilent 8720D Received
Antenna: 0.7~6.0 GHz for Gain Calibration

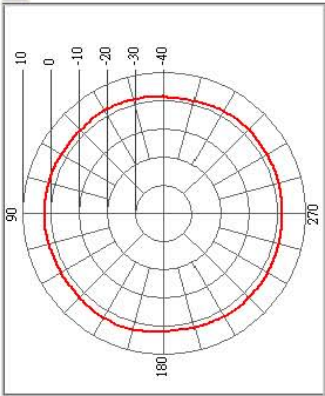
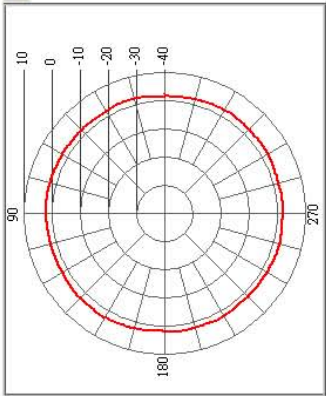
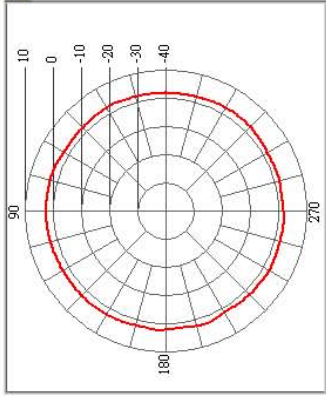
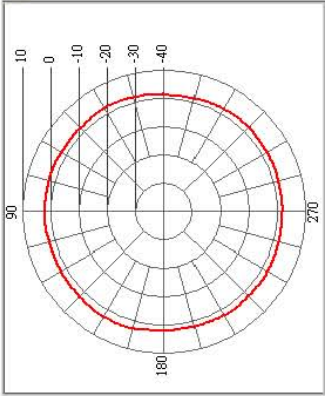
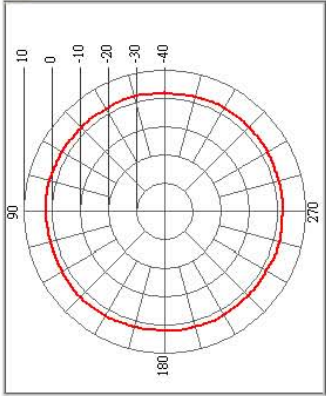
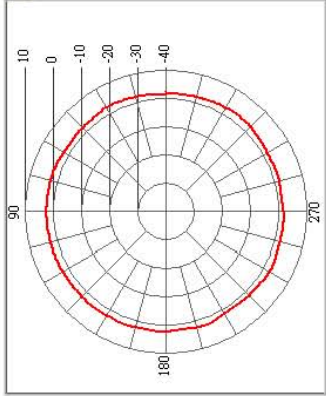
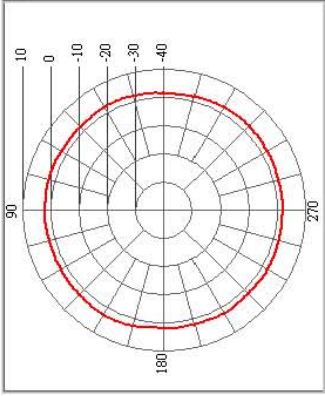
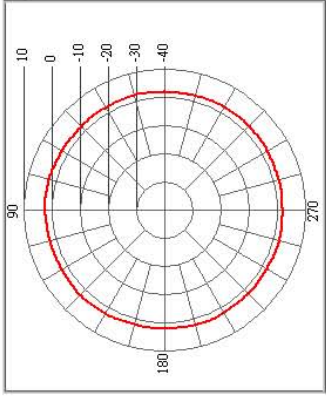
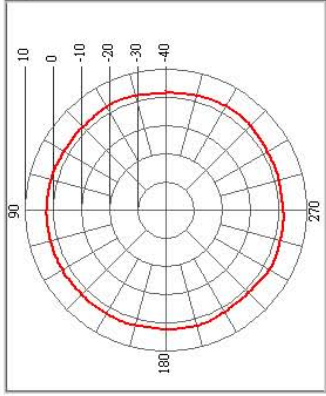
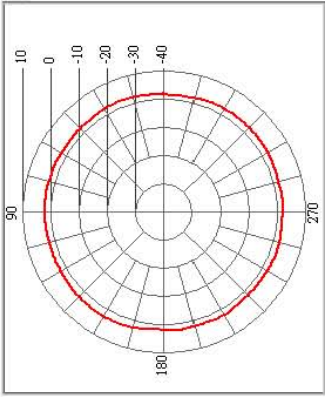
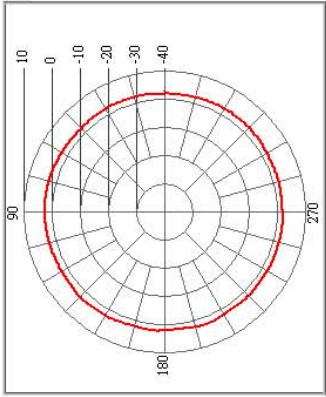
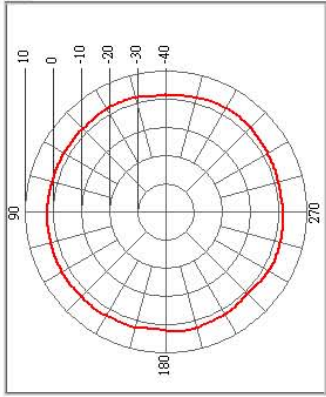
Double Ridged Horn Antenna



Model : RAN2400-5701RS // 2 dBi Dipole Antenna
Remark : H-Plane
Tested by : CORTEC Antenna 3D Lab // Xu Fu

Location: **Chamber** Date: **2006/9/1** Time: **下午 03:24:30**
Temperature (°C): **22.00** Humidity (%): **55.00** Approved by:

Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	2.66	2.68	2.64	2.57	2.72	2.59	2.55	2.61	2.73	2.72	2.76	2.83
Peak Degree	127	322	30	73	85	134	134	146	146	152	158	158
AV Gain (dBi)	2.03	2.11	2.09	2.12	2.18	2.12	2.08	2.05	2.11	2.06	2.01	2.04



Model : RAN2400-5701RS // 2 dBi Dipole Antenna
Remark : E-Plane
Tested by : CORTEC Antenna 3D Lab // Xu Fu

Location: Chamber
Date: 2006/9/1
Time: 下午 03:28:26
Temperature (°C): 22.00
Humidity (%): 55.00
Approved by:

Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	1.92	2.19	2.4	2.5	2.76	2.8	2.63	2.43	2.36	2	2.02	2.34
Peak Degree	353	166	166	166	172	172	172	348	347	347	171	172
AV Gain (dBi)	-1.25	-1.28	-1.28	-1.1	-0.89	-0.82	-0.81	-0.87	-0.94	-1.12	-1.23	-1.19

