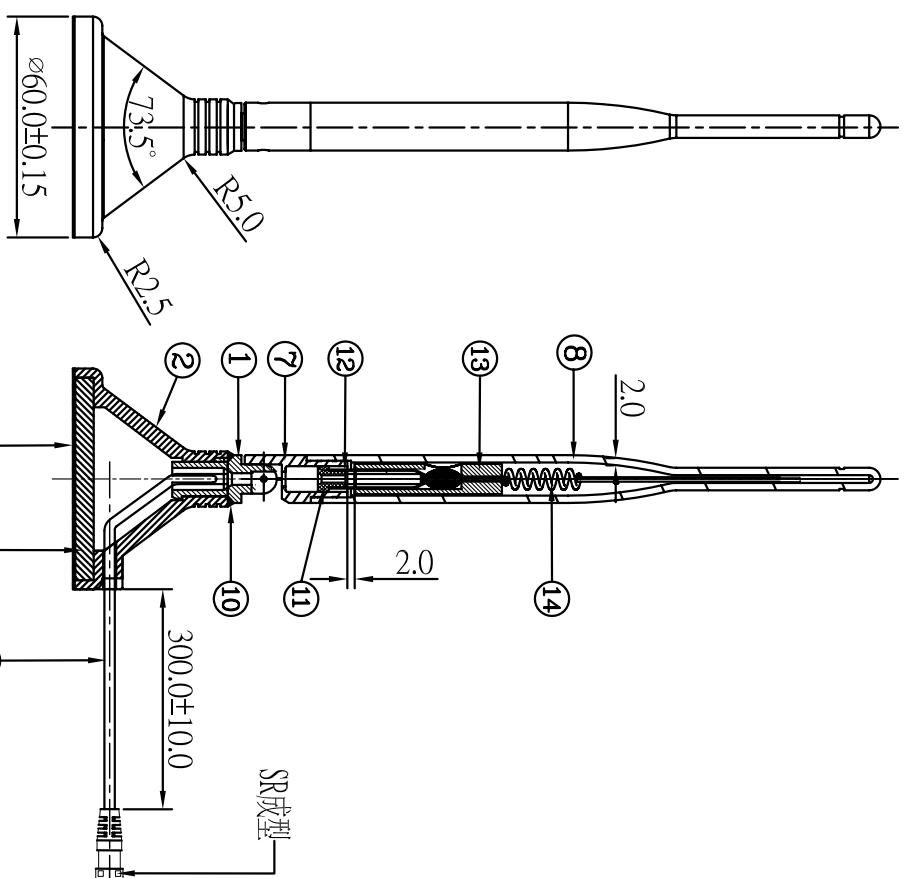
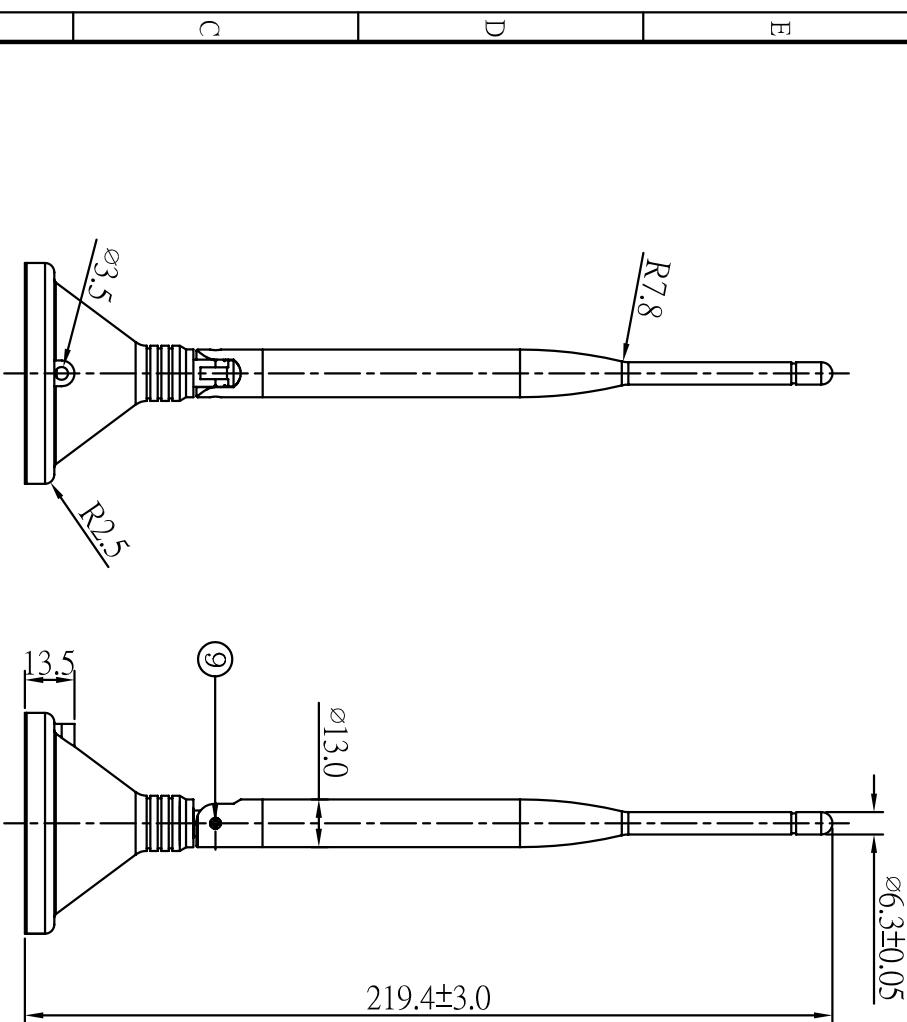


SIGN	DATE	DESCRIPTION	APPROVER
△			
▲			



RoHS

Cortec® Cortec Technology Inc.

序號	料號	品名	材料	顏色/規格	數量
14	R-AN901-06	彈簧	銅	L=94.0mm	1
13	R-AN901-04	套筒	ABS	黑色	1
12	R-AN94-02S	銅管(一體)	銅	鍍錫	1
11	R-AN65-10	定位塞	PE	Ø7.0*7.5mm	1
10	R-AN94-01	"O"形橡膠圈	橡膠	黑色	1
9	R-AN03-514CZ	天線轉軸	青銅	鍍黑鋅	2
8	R-AN1901-01	天線塑膠外套	TPE	黑色	1
7	R-AN03-T02	天線連接筒	PA-6	黑色	1
6	R-RG178U	線材	RG178	L=430.0mm	1
5	R-SMK001-CG8PNSOL	SMK接頭	青銅	鍍金	1
4	R-AN1901-L08	黑色軟PVC	PVC	Ø60.0*0.3 mm	1
3	R-AN24-18	磁鐵	氧化鐵	Ø55.0*5.0 mm	1
2	R-AN24-19	磁盤本體	PC+ABS	黑色	1
1	R-AN2401-01A	基座	PC+ABS	黑色	1

RoHS
Compatible

Cortec® Cortec Technology Inc.

Product Number: R-AN2400-9404SK
Product Name: 2.4 GHz Antenna

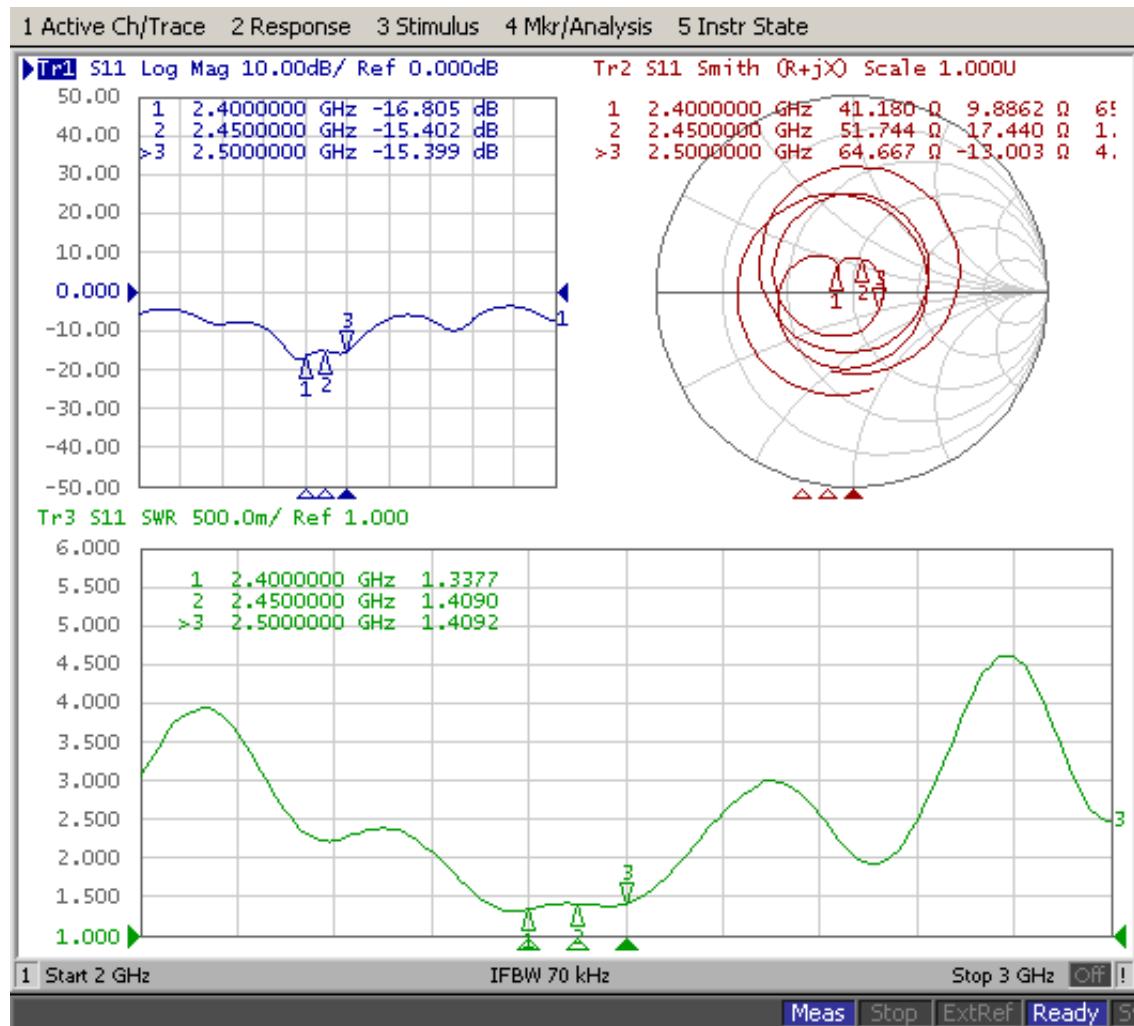


2. Technical Specification

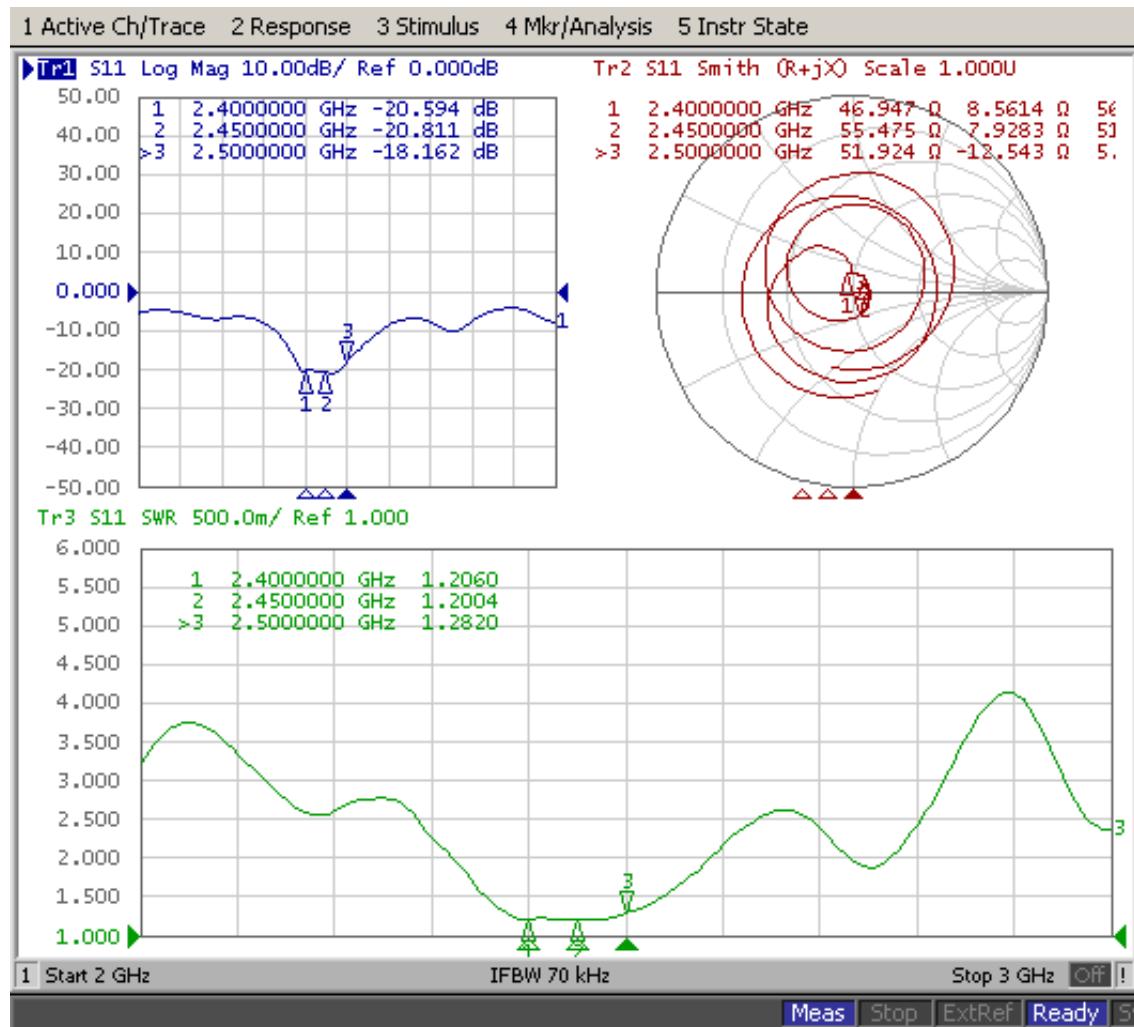
A. Electrical Characteristics	
Working Frequency Range	2400 ~ 2500 MHz
S.W.R.	<= 2.0
Antenna Gain	5 ± 0.5 dBi
Antenna Radiation Pattern	Omni-directional
Impedance	50 ohm
B. Material	
Color of Outer Cover	Black
Material of Outer Cover	TPE
Connector Type	50 Ohm SMK Plug for RG-178 Au Plated
Coaxial Cable	RG-178 // 300 mm
Tube	Copper // Sn Plated
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S11 Return Loss / S.W.R. / Impedance Testing Result

Antenna Hinge is 90 degree



Antenna Hinge is 180 degree



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

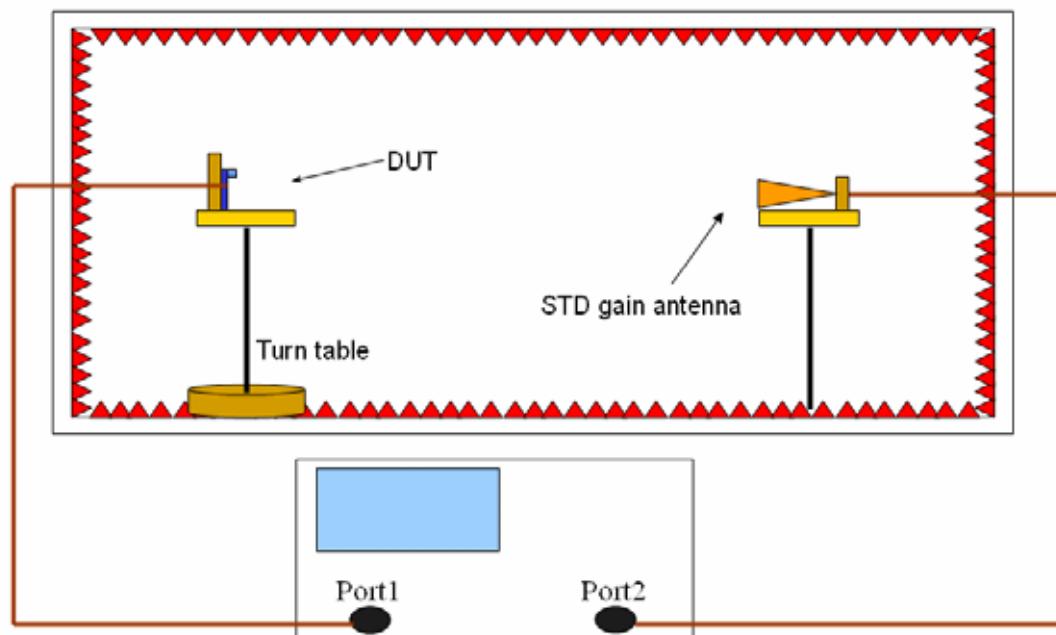
Quite Zone: 600mm @1 GHz

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 : R-AN2400-9404SK

Remark : H-Plane

Tested by : CORTEC Antenna 3D Lab // Xiang Zhi Rong

Location: Chamber

Date: 2006/9/19

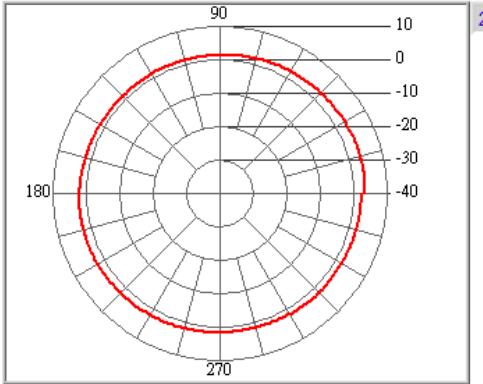
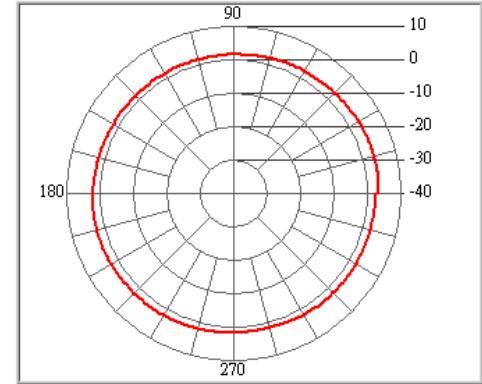
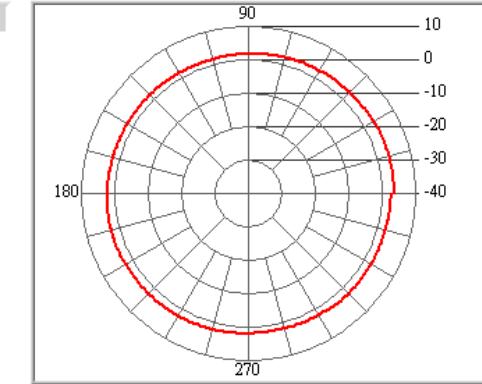
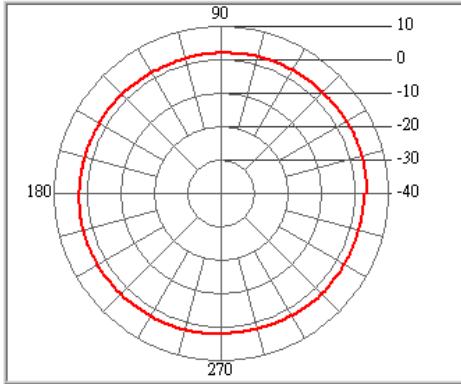
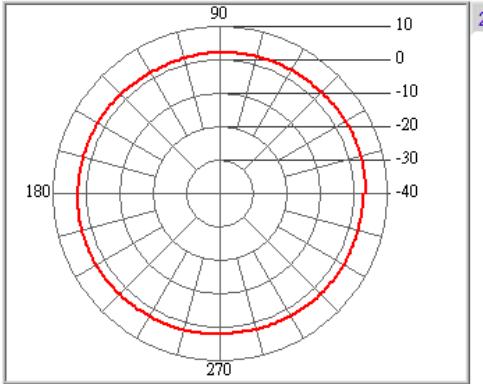
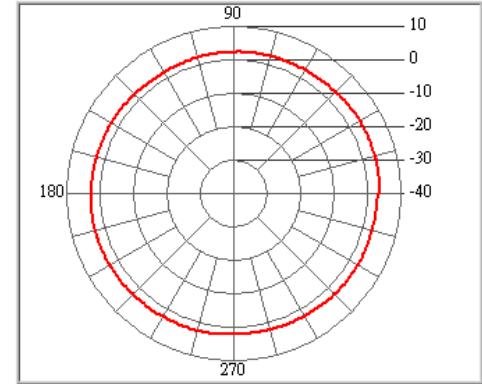
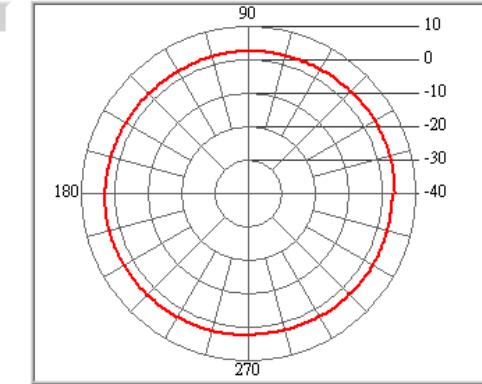
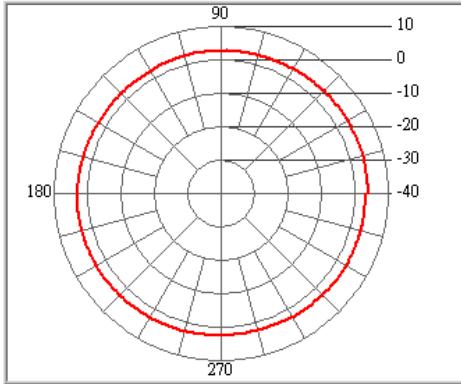
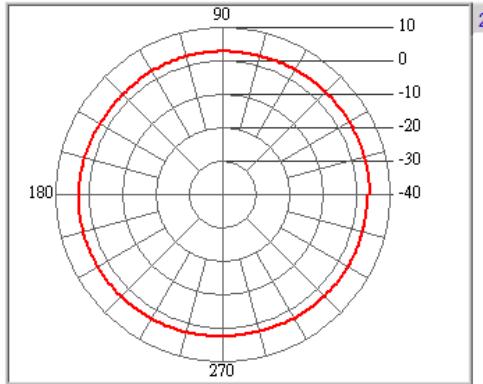
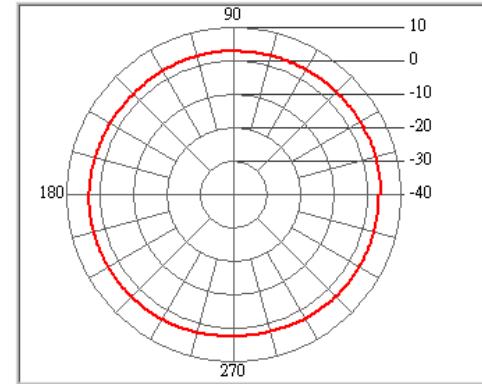
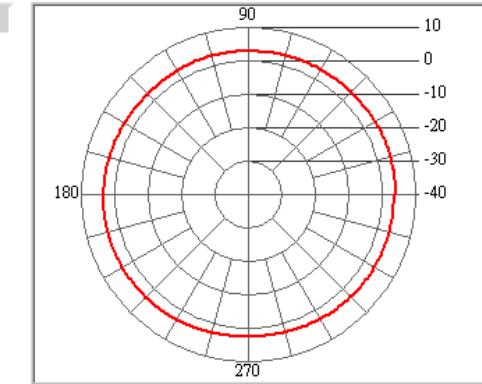
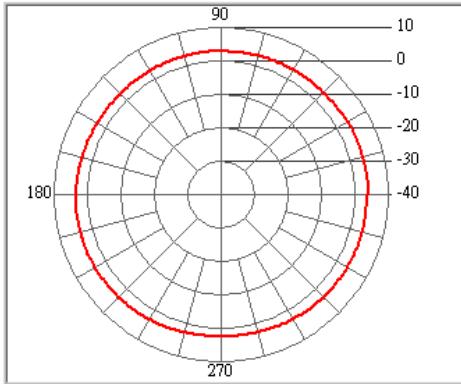
Time: 下午 01:03:46

Temperatuer (°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)	4.14	4.22	4.18	4.14	4.08	3.99	3.88	3.82	3.79	3.74	3.65	3.63
Peak Degree	3	3	1	0	0	0	0	13	7	7	7	7
AV Gain (dBi)	3.2	3.23	3.12	3	2.95	2.81	2.67	2.55	2.47	2.31	2.14	2.04



Model : R-AN2400-9404SK

Remark : E-Plane

Tested by : CORTEC Antenna 3D Lab // Xiang Zhi Rong

Location: Chamber

Date: 2006/9/19

Time: 下午 01:07:47

Temperatuer (°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)	3.55	3.35	2.84	2.53	2.56	2.72	3.07	3.5	3.8	3.78	3.65	3.72
Peak Degree	167	167	167	167	167	166	166	166	167	167	167	172
AV Gain (dBi)	-2.16	-2.28	-2.56	-2.72	-2.76	-2.84	-2.78	-2.66	-2.6	-2.76	-2.91	-2.96

