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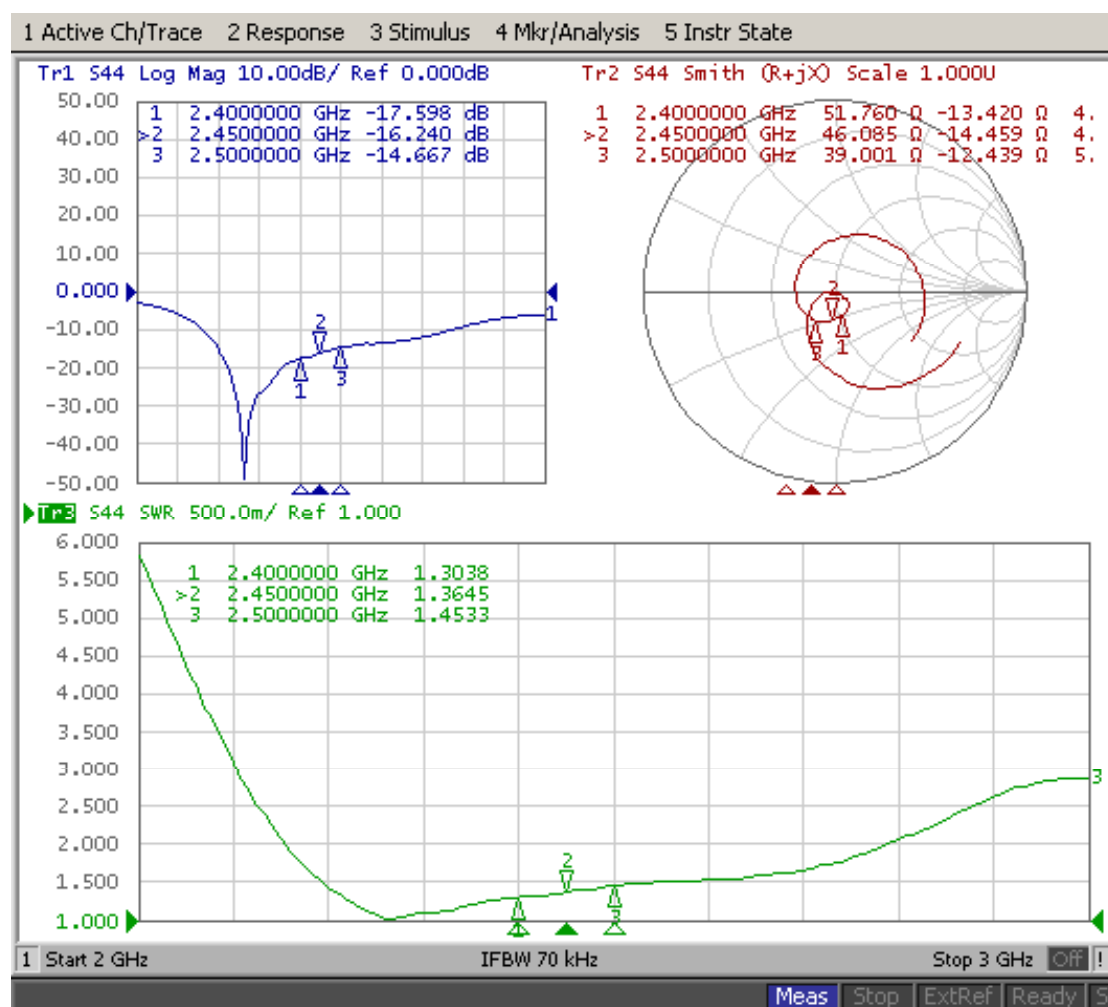
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ? %
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ? %
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ? %

2. Specification

A. Electrical Characteristics	
S.W.R.	≤ 2.0 @ 2400~2500 MHz
Antenna Gain	2.0 $\pm$ 0.7 dBi (*Depends on Product Mechanical Environment*)
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	50 Ohm TNC Male
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S Parameter Test data



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

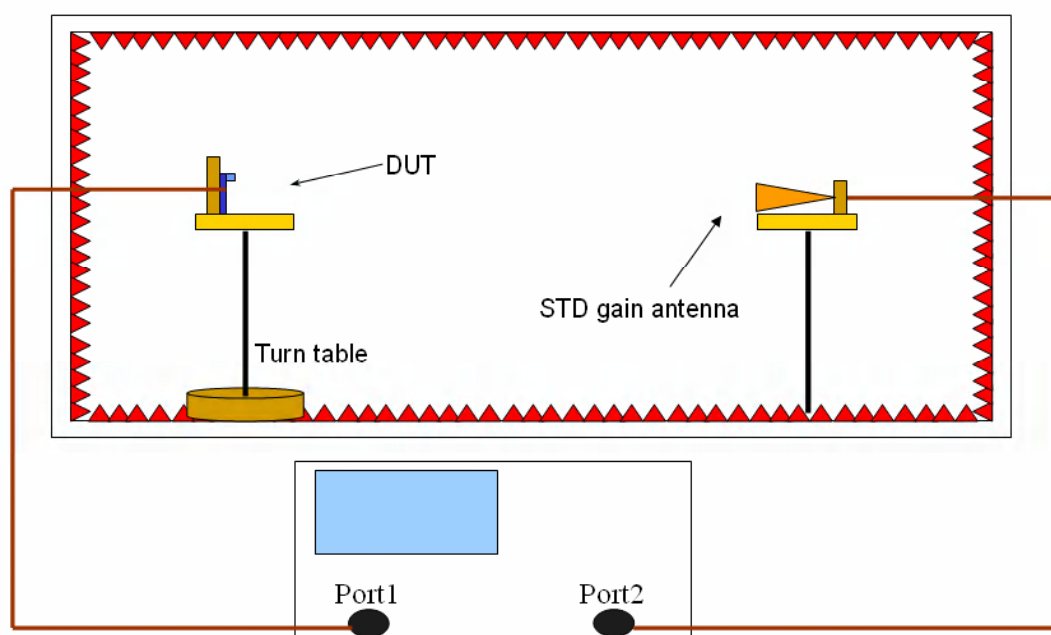
Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna



5. Mechanical Drawing

6. MSDS & SGS Report



Cortec Technology Inc.

广东省东莞市长安镇振安路沙头段咸西工业区

Model : 2.4GHz Antenna
Remark : H-Plane // Vertical Polarization
Tested by : Antenna 3D Chamber // Wang Sheng

Location: Chamber

Temperature (°C): 22.00

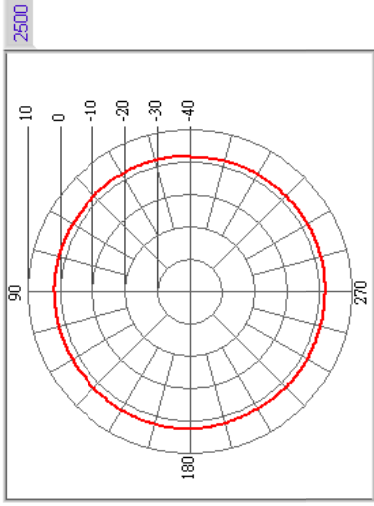
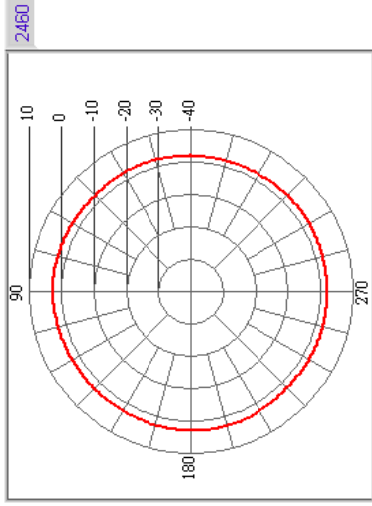
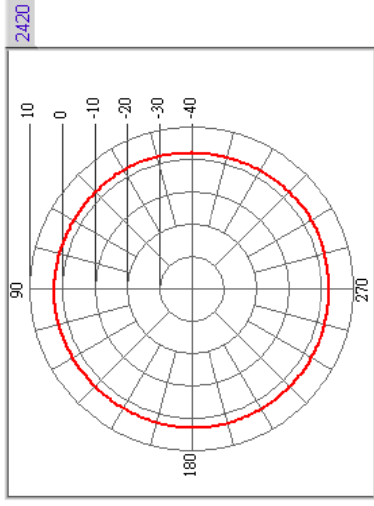
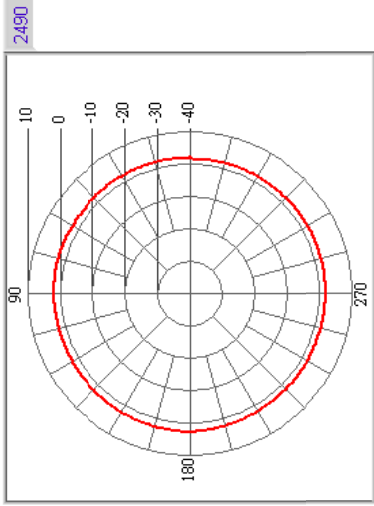
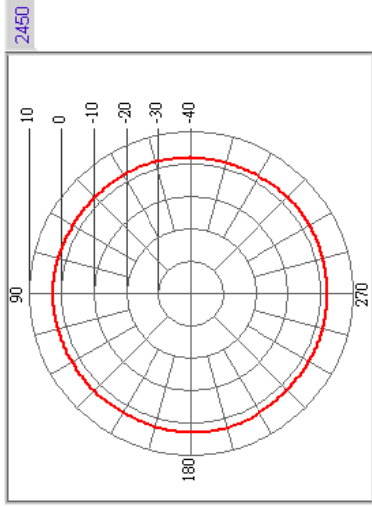
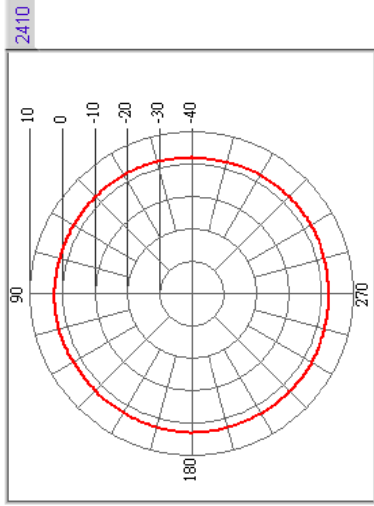
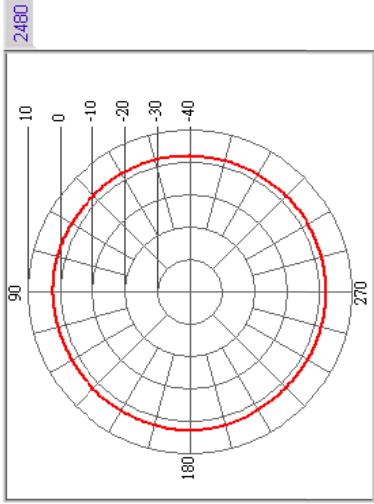
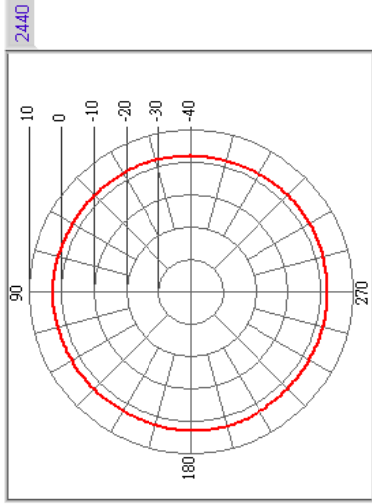
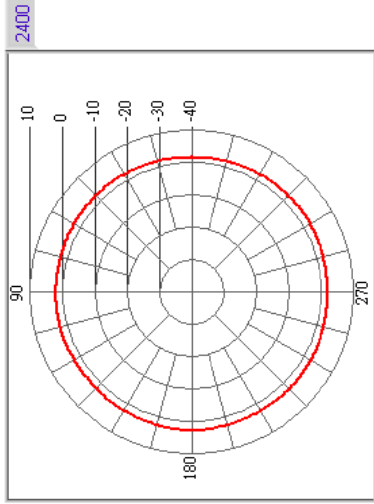
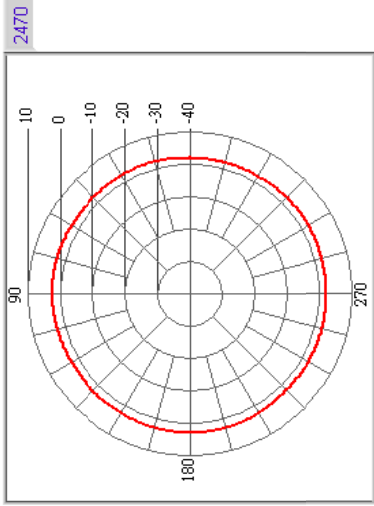
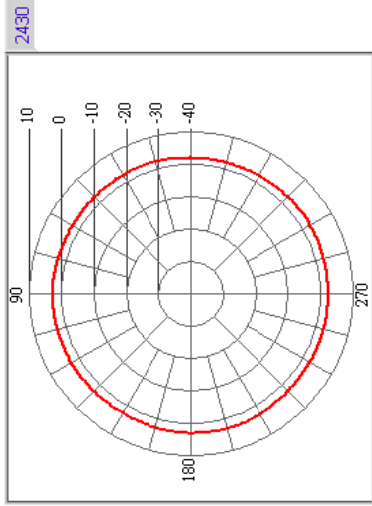
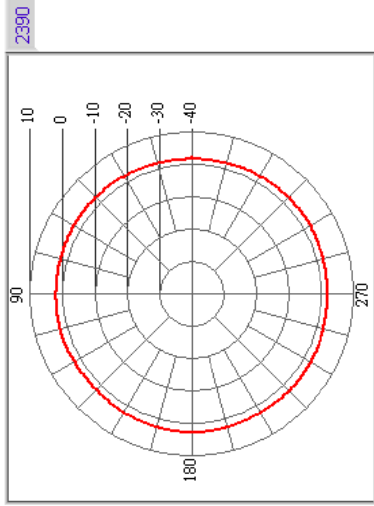
Date: 2007/8/18

Humidity (%): 55.00

Time: 上午 10:28:19

Approved by:

Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	2.52	2.53	2.72	2.79	2.85	2.77	2.74	2.71	2.72	2.6	2.4	2.25
Peak Degree	176	177	177	195	195	189	194	189	182	176	176	165
AV Gain (dBi)	2.14	2.14	2.44	2.5	2.48	2.35	2.3	2.28	2.34	2.18	2	1.94



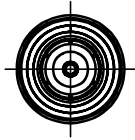
RoHS

Compatible

141.0±2

Ø13.0

Ø6.0±0.2



2

3

4

1

5

5	R-AN03-514CZ	Pin	Metal	Eleetrodeposition	2
4	R-AN03-T01	Base	PA-6	Black	1
3	R-AN03-T02	Hinge	PA-6	Black	1
2	R-AN03-T03	Body	TPE	Black	1
1	R-TNC055-CZ8MRANT	TNC Male	Metal	Eleetrodeposition	1
No.	Part Number	Description	Material	Finished	Q'ty

Cortec

Cortec Technology Inc.

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Fax:886-2-27831658

TITLE: 2.4GHz Antenna

PART NO.: AN2400-0301TM

DWG NAME: AN2400-0301TM.dwg

APPROVED BY	Grant 2007/09/12	CHECKED BY LiuKui 2007/09/12	DESIGNED BY Zhang yue xin 2007/09/12	Tolerance	X.X ±0.1 X.XX ±0.05 X° ±1°

SIGN	DATE
△	
△	
△	

DESCRIPTION

APPROVER