

產 品 規 格 承 認 書

Specification For Approval

日 期 : 2007 / 10 / 08

Date _____

編 號 : 071008019

File No. _____

版 本 : 1.0

Revision _____

承認廠商 : 深圳磊科網絡有限公司
Customer _____

製造廠商 : 東莞康捷電子有限公司
Manufacturer _____

型號品名 : **2.4 GHz External Antenna**
Part Number _____
Description **R-AN2400-1901RS**

廠商審核 :
Approved By

Invax

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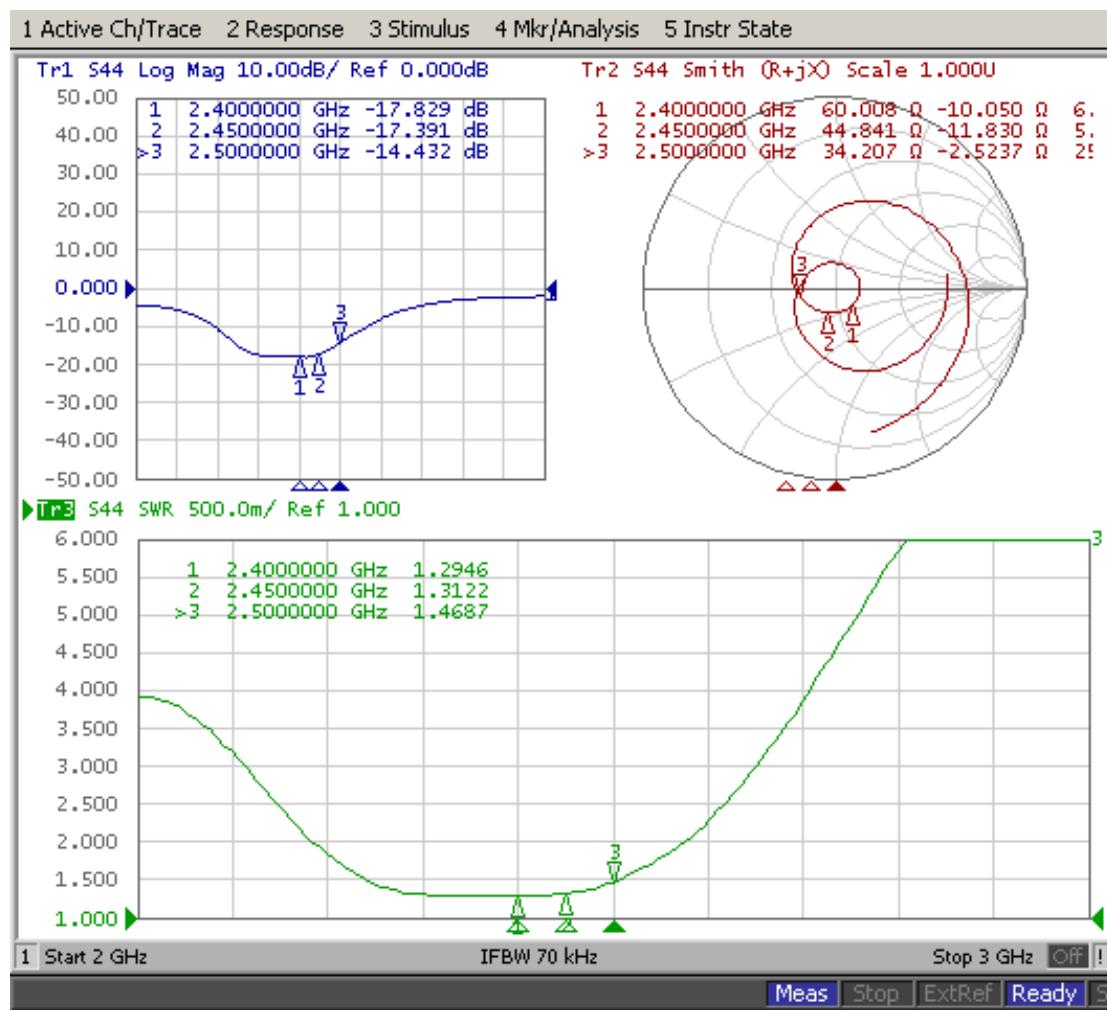
1. Reliability Testing

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.: < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ±5%
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

2. Specification

A. Electrical Characteristics	
S.W.R.	<= 2.0 @ 2400 ~ 2500 MHz
Antenna Gain	5.0 ± 0.7 dBi (*Depends on Product Mechanical Environment*)
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	50 Ohm SMA Male Reverse
C. Environmental	
Operation Temperature	-30 °C ~ +85 °C
Storage Temperature	-30 °C ~ +85 °C

3. S Parameter Test data



Product Number: R-AN2400-1901RS
Product Name: 2.4 GHz External Antenna



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

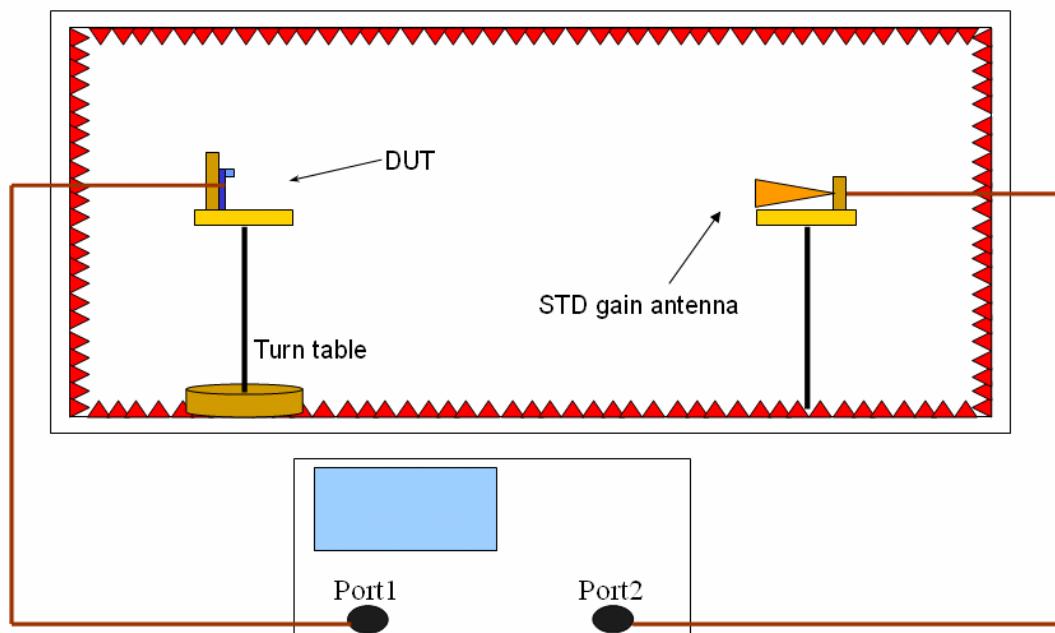
Quite Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna



5. Mechanical Drawing

6. MSDS & SGS Report

Model : 2.4GHz-5dBi Antenna // 03

Remark : H-Plane // Vertical Polarization

Tested by : CORTEC Antenna 3D Lab // Zhao Yao Rong

Location: Chamber

Date: 2007/5/12

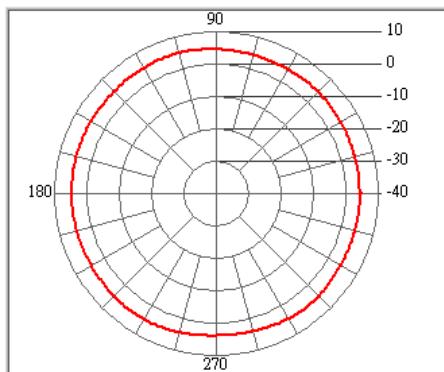
Time: 上午 09:43:22

Temperatuer (°C): 22.00

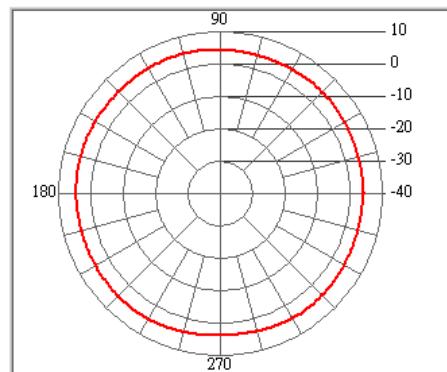
Humidity (%): 55.00

Approved by:

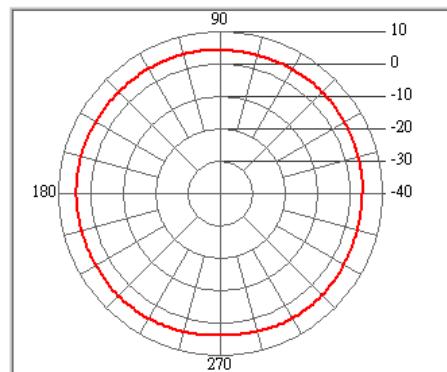
Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	5	4.76	4.61	4.74	4.92	4.83	4.73	4.78	5.02	4.94	4.78	4.85
Peak Degree	117	228	228	228	295	295	203	105	105	105	99	99
AV Gain (dBi)	4.52	4.37	4.3	4.45	4.65	4.56	4.46	4.47	4.72	4.57	4.36	4.38



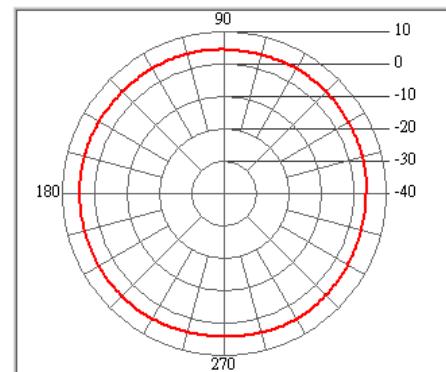
2390



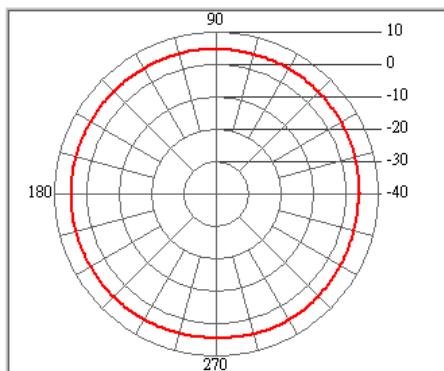
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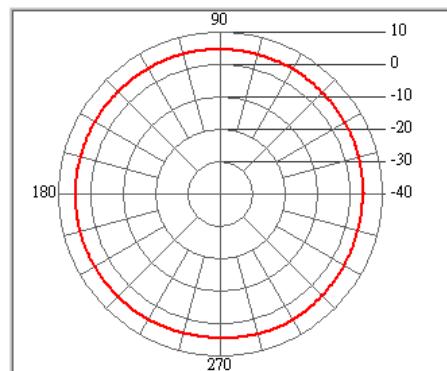
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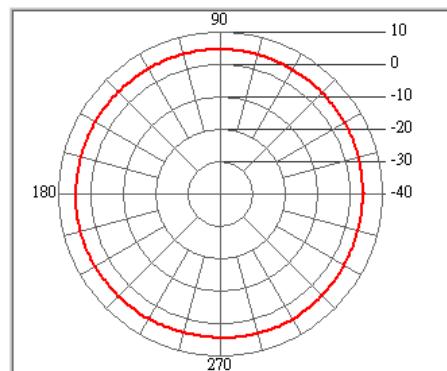
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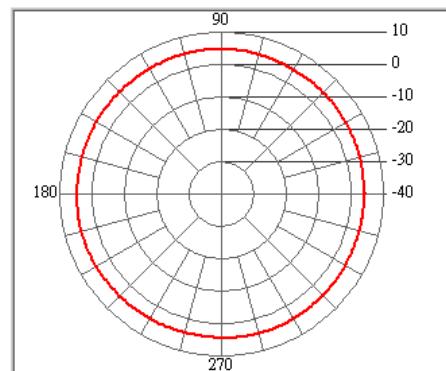
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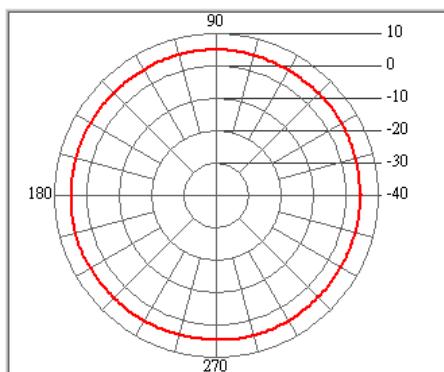
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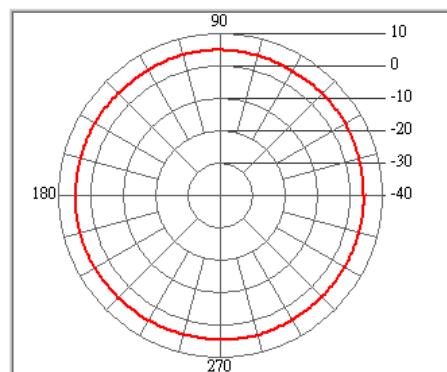
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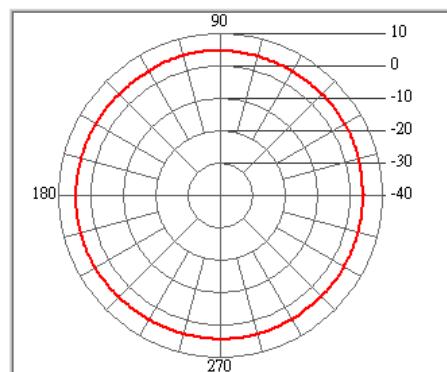
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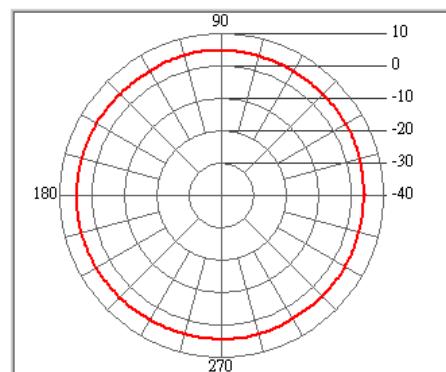
2470



2480



2490

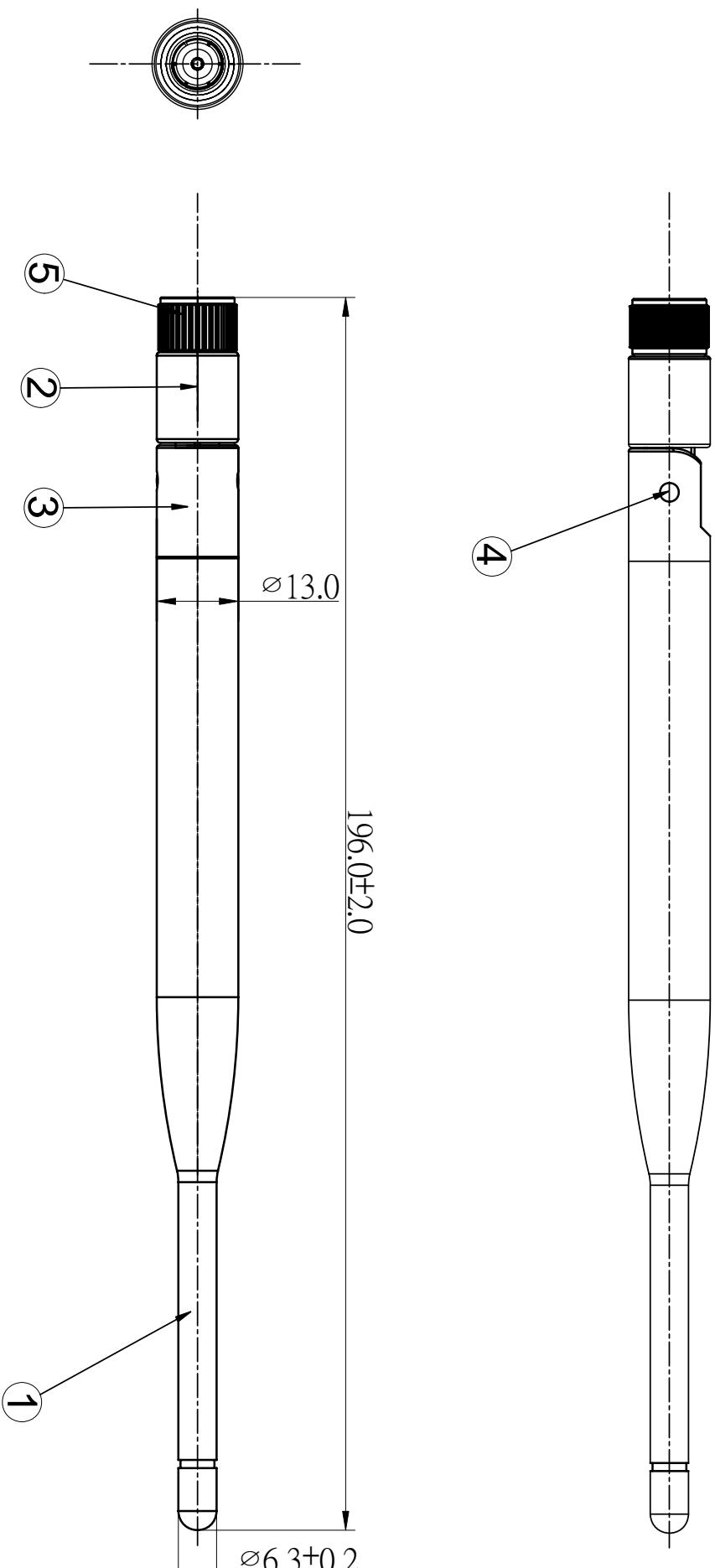


2500

ROHS

Compatible

SIGN	DATE	DESCRIPTION	APPROVER
▲			
▲			
▲			



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Cortec

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Tel: 886-2-27895218

Fax:886-2-27783169

TITLE: 2.4 GHz Antenna

PART NO.: R-AN2400-1901RS

DWG NAME: R-AN2400-1901RS.dwg

APPROVED BY

CHECKED BY

DESIGNED BY

A

Grant

Liu kui

Zhang yue xin

B

2007/08/06

2007/08/06

2007/08/06

C

SCALE: 1/1

UNIT'S: mm

X.X ±0.1

X.XX ±0.05

REVISION: A

Tolerance

X° ±1°

D

No.

Part Number

Description

E

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