



CHINMORE INDUSTRY CO.,LTD

*Specification*

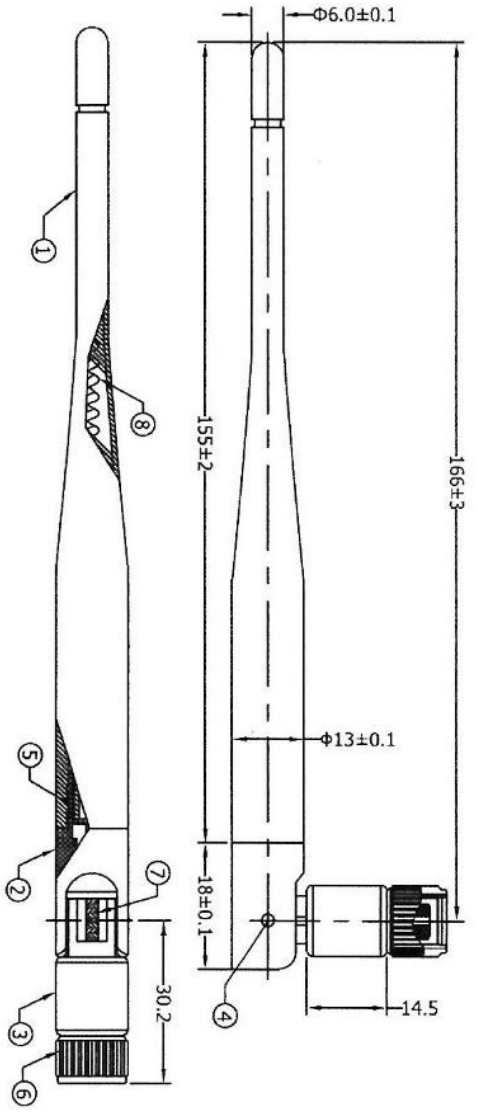
1. Product Type: 2.4GHz Antenna
2. *Chinmore* No: EM-51005ANT0-508L
3. Frequency: 2.4 GHz
4. Gain: 5 dBi
5. Connector: 90° Hinged R/A RP SMA(M)
6. Cable: RG-178
7. Operating Temp: -20°C~+65°C
8. Storage Temp: -30°C~+75°C

*✘RoHS Compliant*

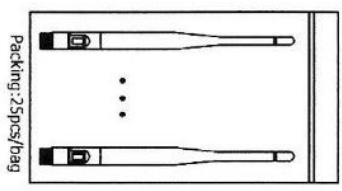
*✘ISO 9001 & ISO 14001*

# RoHS

REV.	CONTENT	DATE
A	First issuance	




Specification:  
 Frequency Rang: 2.4GHz~2.5GHz  
 Return Loss: -10dB or less  
 VSWR: 1.92 Max  
 Gain: 5.0 dBi



## EM-51005ANT0-508L

NO	DESCRIPTION	QTY	REMARK
8	Hole	1	Carbon steel screw rod: 1.2mm
7	Cable	1	RG-178 Cable, Transparency/Brown, 50 Ω
6	Connector	1	Shell POM (Black) nickel plating white teeth
5	Tube	1	Zinc-alloy
4	Rivet	2	POM, Color: Black
3	Bottom Base	1	PBT, Color: Black
2	Upper Base	1	PC, Color: Black
1	Antenna Cap	1	TFE, Color: Black

 TOLERANCE FINLESS OTHERWISE SPECIFIED		CUSTOMER	
		PART NO	
L.N.T.: mm SHEET: 1/1 SCALE: 1/1		TITLE 2.4GHz 5dBi Antenna	
ANGLE: ±0.5° X, XX ±0.2 XX, XXX ±5.0		S.H P/NO 51005	
DATE: 2008 01 19		DRAWN Marco	
		CHECKED Jerry	
		APPROVED Jammy	

### 竣茂工業有限公司

# Specification

Sample Photo



## A. Electrical Characteristics

Frequency	2.4 GHz
V.S.W.R.	$\leq 2.0$
Gain	5 dBi
Polarization	Vertical
Impedance	50 $\Omega$

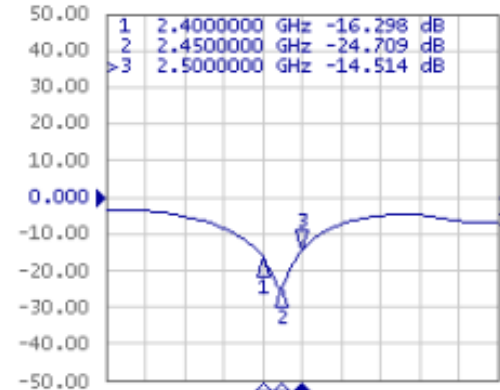
## B. Material & Mechanical Characteristics

Material of Radiator	Cu
Connector	RP SMA M
Cable	RG-178

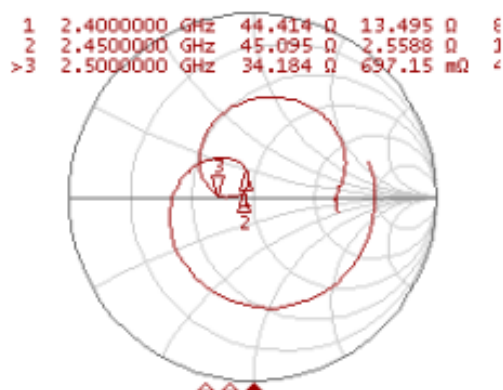
## C. Environmental

Operation Temperature	-20°C~+65°C
Storage Temperature	-30°C~+75°C

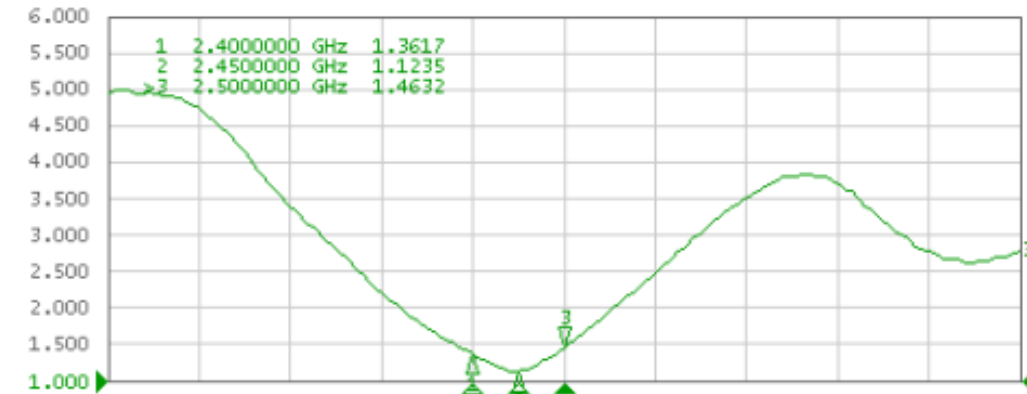
Tr1 S44 Log Mag 10.00dB/ Ref 0.000dB



Tr2 S44 Smith (R+jX) Scale 997.0mU



S44 SWR 500.0m/ Ref 1.000



Start 2 GHz

IFBW 70 kHz

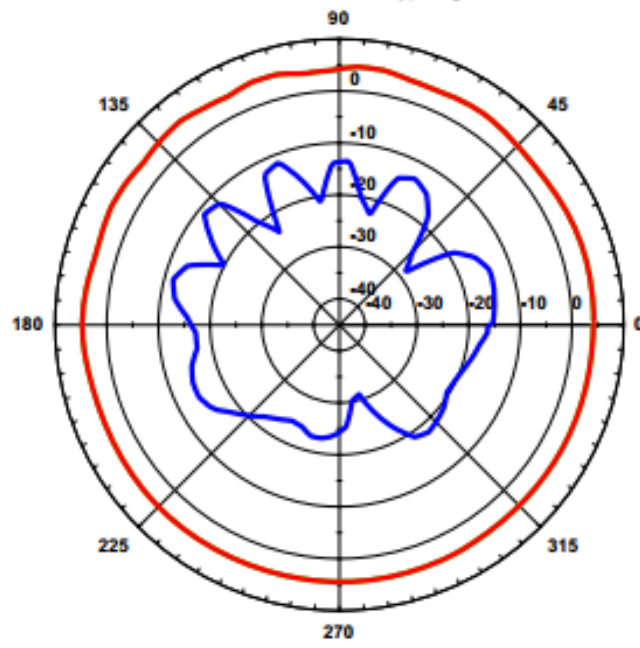
Stop 3 GHz

Trigger

- Hold
- Single
- Continuous
- Hold All Channels
- Continuous Disp Channels
- Trigger Source: Internal
- Trigger Event: On Sweep
- Restart
- Trigger
- Return

# Gain Test

## H - Plane



## E - Plane

