



CHINMORE INDUSTRY CO.,LTD

Specification

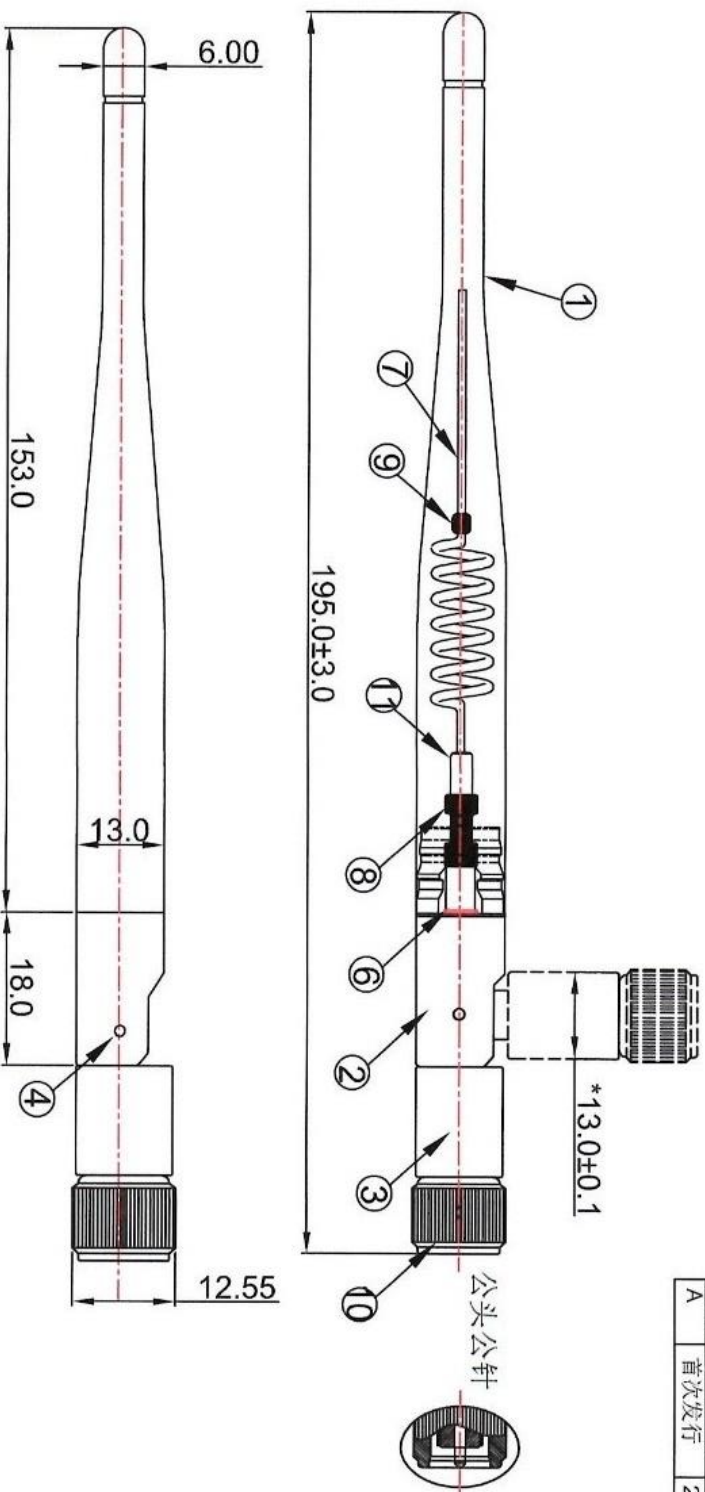
1. Product Type: WIFI Antenna
2. *Chinmore's* no: EM-51005SMAM-540L
3. Frequency: 2.4GHz~2.5GHz
4. Impedance: 50 Ω
5. Gain: 5 dBi
6. Return Loss: -10 dBi
7. V.S.W.R.: 2.0MAX
8. Connector: 90° Hinged R/A RP SMA(M)
9. Dimension: 195mm
10. Operating Temp: -45°C ~+85°C

✂RoHS Compliant

✂ISO9001 & ISO 14001

ROHS

REV.	CONTENT	DATE
A	首次发行	2015.12.25



EM-51005SMAM-540L

Specifications:
Frequency Range:2.4~2.5GHz
Return Loss:-10dB for less
VSWR:2.0MAX
Gain:5dbi

竣茂工業有限公司

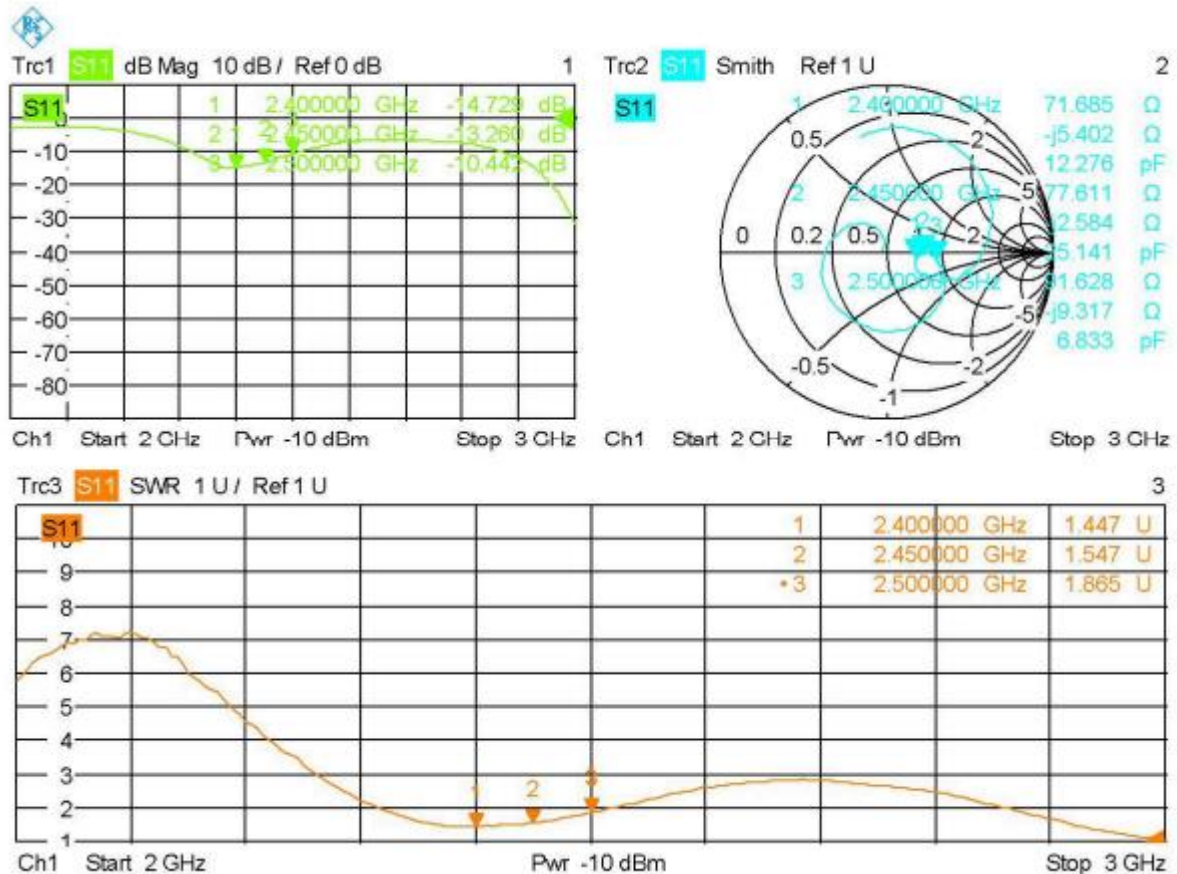
11	Zinc column	Solid, zinc columnØ4.5*23.0mm	1PC
10	Conn	SMA PLUG FOR RG-178 CABLE	1PC
9	Eva foam	EVA Foam,SIZE:6.0*5mm(BLACK)	1PC
8	Tub	Ø6.5Heat shrinkable sleeve,L=35.0mm 含胶型	1PC
7	Spring	Spring ø1.2*89mm	1PC
6	Copper1	Grounding copper pipe: ø5.8*23.0*1.55mm 铜管	1PC
5	Cable	RG-178 Tinned wire cable, Color:Brown	1PC
4	Rivet	POM rivet (black)	2PC
3	Button Base	Lower fixed seat Phi 9.35 phi 13.0*29.4mm (black)	1PC
2	Upper Base	On the fixed seat diameter 13.0*28.2mm (black)	1PC
1	Antenna Cap	ø13.0*153mm Black rod sleeve(black)	1PC
NO.	Name	Finished	Qty

	TOLERANCE UNLESS OTHERWISE SPECIFIED
UNIT:mm	ANGLES ±0.5° X. ±2.0
SHEET: 1/2	X.XY ±0.2 XY. ±5.0
SCALE: 1/1	X.X ±0.5 DATE:2015-12-25

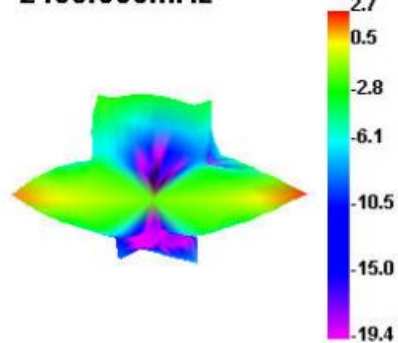
CUSTOMER		SIZE		DRAWN		CHECKED		APPROVED	
PART NO		A4		Patrick		Jerry		Jaummy	
TITLE		S. H P/NO		2.4GHz WIFI ANTENNA		SV-Q6804131B06C-L01			

Passive Test For wifi						
Freq	Effi	Effi	Gain	Gain	Attenut	Attenut
(MHz)	(%)	(dB)	(dBi)	(dBd)	Hor	Ver
2400	55.24	-3.94	3.98	2.55	48.54	48.72
2410	56.45	-3.93	3.89	2.65	48.36	48.5
2420	56.57	-3.92	4.99	2.27	48.29	48.32
2430	54.2	-3.08	5.64	2.59	48.89	48.9
2440	54.54	-2.63	5.45	3.32	49.25	49.23
2450	54.55	-2.63	5.73	3.55	49.12	49.02
2460	50.53	-2.96	5.55	3.4	48.66	48.62
2470	55.26	-2.58	5.97	3.82	49.01	49
2480	56.99	-2.44	6.09	3.94	49.2	49.2
2490	53.07	-2.75	5.68	3.53	48.85	48.83
2500	55.71	-3.4	4.97	2.7	48.33	48.29

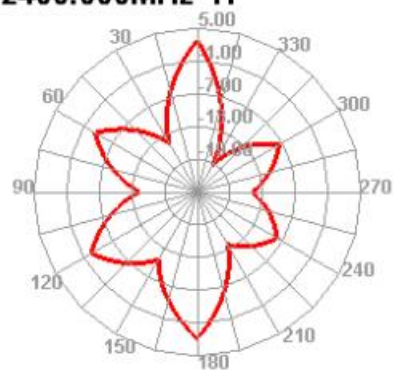
Test Data



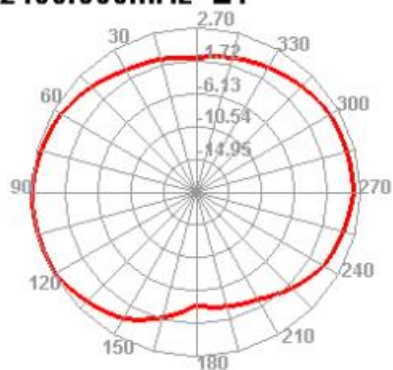
2400.000MHz



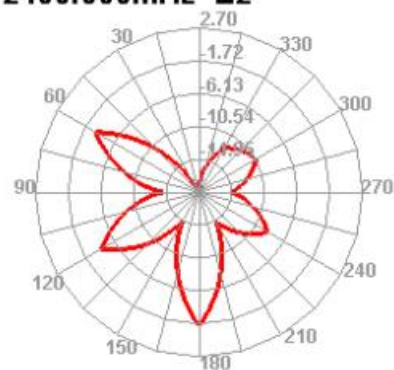
2400.000MHz H



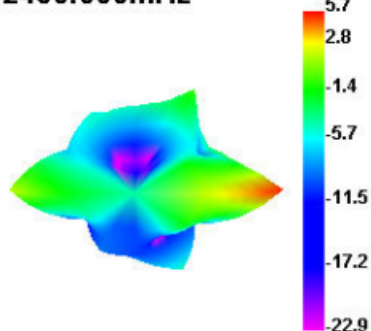
2400.000MHz E1



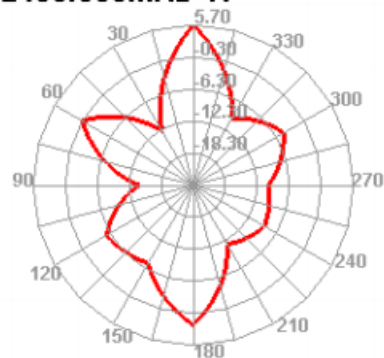
2400.000MHz E2



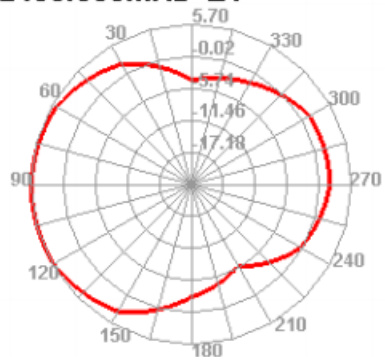
2450.000MHz



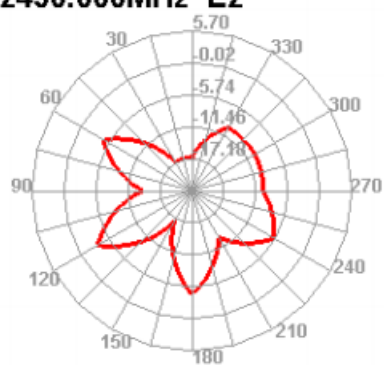
2450.000MHz H



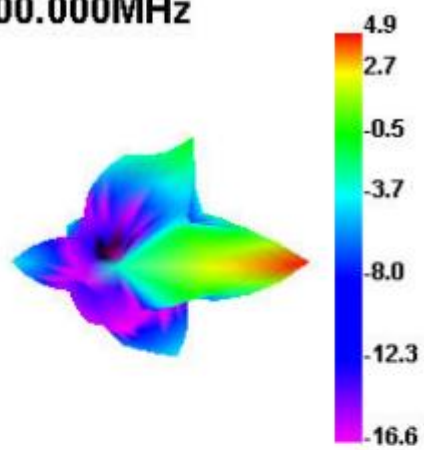
2450.000MHz E1



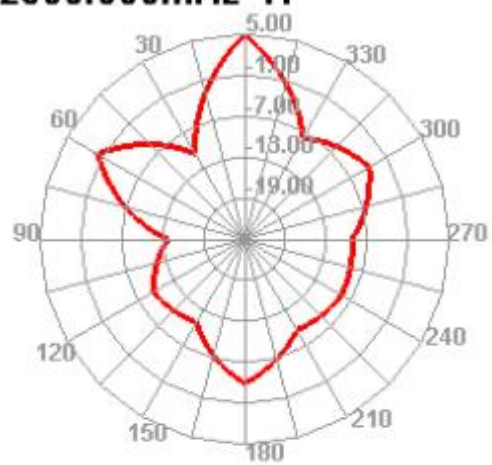
2450.000MHz E2



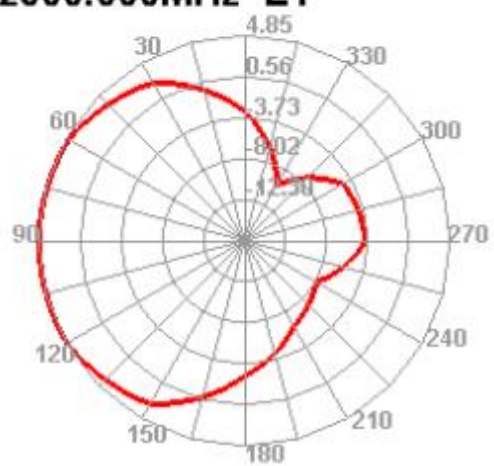
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

