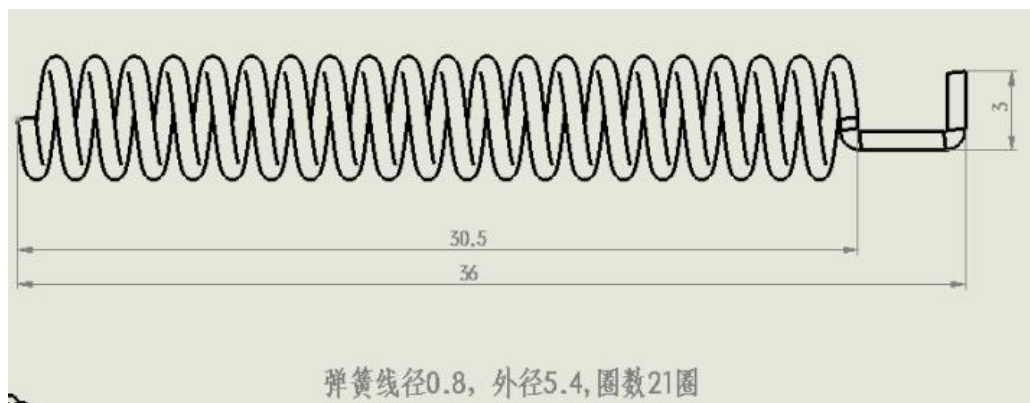


Material Specitication

Manufacturer: Shenzhen Xinxiangda Precision Hardware Products Co., Ltd

Address: Floor 1, Building B, Huapei Industrial Zone, No. 115, Baoye Road,
Shangwei Community, Guanhu Street, Longhua District, Shenzhen

1. Type: Spring Antenna
2. Model No:PC001
3. Antenna gain value: 2.5dBi
4. Features:
 - 1)Stable and reliable in performance
 - 2)ROHS compliance
5. Antenna Dimensions (unit:mm)



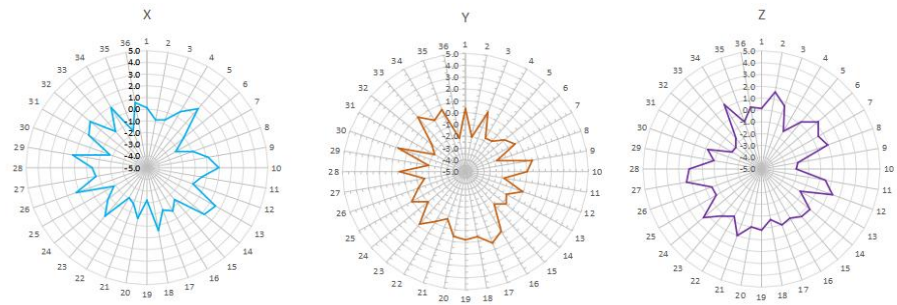
6. Antenna material: Brass
7. Antenna wire diameter:0.8mm
8. Number of antenna coils:21 circles
9. Frequency: 433Mhz

10. Antenna Picture:

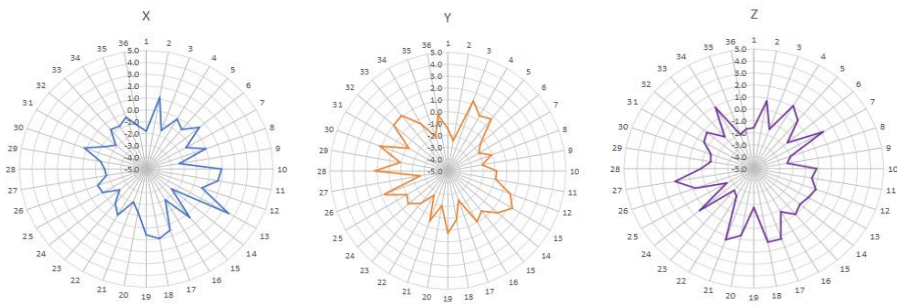


11. TEST DATA

420MHz:



440MHz:



Gain		
Frequency(MHz)	Effi	Peak Gain
420	1.38	1.16
425	1.35	1.25
430	1.29	2.50
440	1.70	1.00

VSWR		
Frequency(MHz)	Return Loss	VSWR
420	-8.17	2.31
440	-10.81	2.30