

# Dual-Band Omni-Directional Antenna

## for 2400 – 2500 / 5150 - 5875 MHz

Version 5

### SAA04-22008A

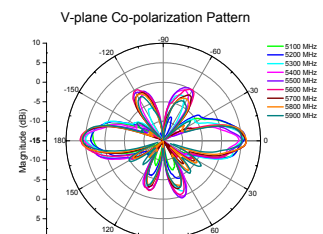
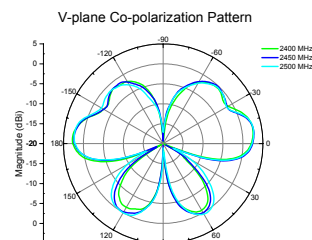
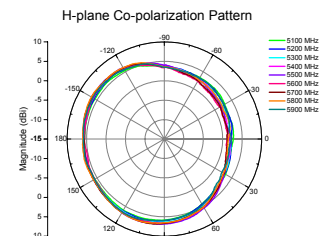
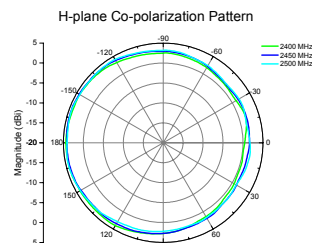
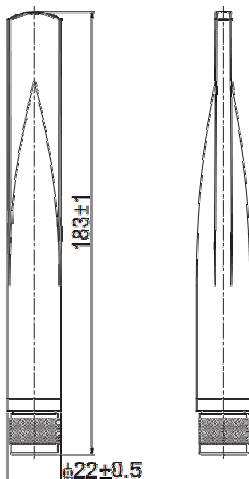
#### Electrical Specification

Frequency range	2400 - 2500 MHz	5150 - 5875 MHz
Peak Gain	4.5 dBi	7.0 dBi
Average Gain	2.5 dBi	5.0 dBi
VSWR	2.0 : 1 (Max.)	
Polarization	Linear, vertical	
HPBW/horizontal	360°	360°
HPBW/vertical	30°	20°
Power handling	2 W (cw)	
Impedance	50 Ohm	
Connector	N Plug	
Lightning protection	DC ground	



#### Environmental & Mechanical Characteristics

Survival wind speed	216 km/hr
Temperature	-40°C to +80°C
Humidity	95% @55°C
Radome color	Gray
Radome material	ABS,UV resistant(UL94 HB)
Weight	70 g
Dimensions	$\varnothing 22 \times 183$ mm
Waterproof	IP-X7



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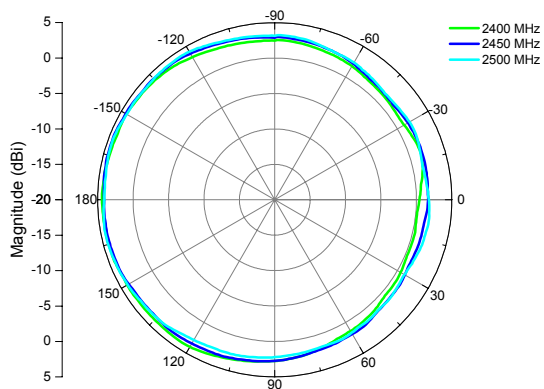
Pat. NO:TWD106796,  
http:// [www.smartant.com](http://www.smartant.com)

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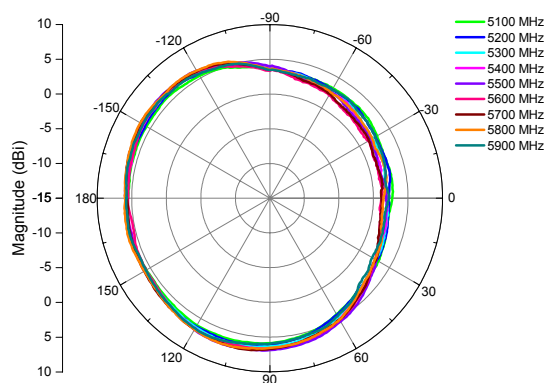


# Radiation Pattern

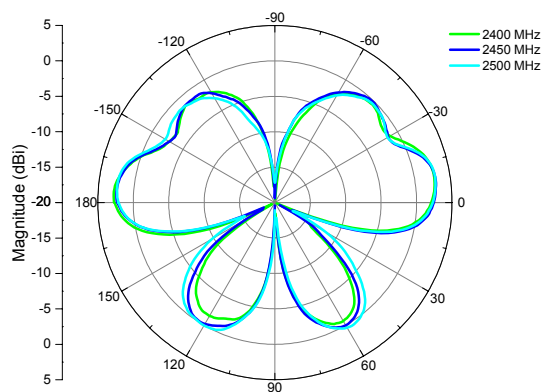
H-plane Co-polarization Pattern



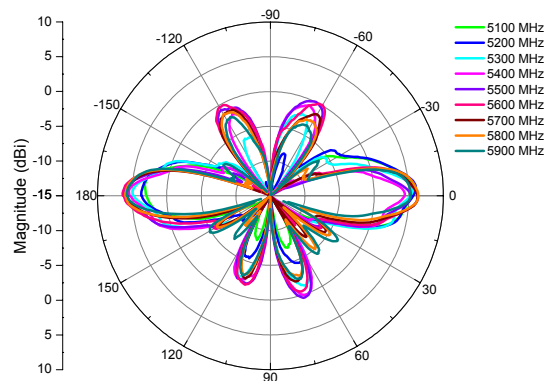
H-plane Co-polarization Pattern



V-plane Co-polarization Pattern



V-plane Co-polarization Pattern



# Product Drawing

GENERAL TOLERANCE RANGE	
□ INJECTION(射出件)	X=±0.5 X.X=±0.3 X.XX=±0.2
■ ASSEMBLY(組合作件)	X=±5 X.X=±2 X.XX=±1
ANGLES: X=±2°	
UNIT : MM	

