

# 2.4GHz /5GH Outdoor Dual Band Antenna

**P/N: ANT-25**



## ✓ RF Specification

- Frequency Range: 2.4~2.5GHz / 5.15~5.875GHz
- Polarization: Linear, Vertical / Horizontal
- HPBW / Horizontal: 60° / 75°
- HPBW / Vertical: 70° / 84°
- Peak Gain: 8dBi / 6.5dBi
- VSWR: 2.0max:1
- Isolation: >15 dB
- Power Handling: 2W(cw)
- Impedance: 50 Ohms
- Cable Length: 40cm
- Connector: N-Plug

## ✓ Environmental & Mechanical Characteristics

- Temperature: -40°C to +70°C
- Humidity: 95% @55°C
- Radome Material: PC, UV Resistance
- Dimensions: 180mm(L) x 180mm(W) x 47mm(T)
- Weight: 630g

# Performance Summary

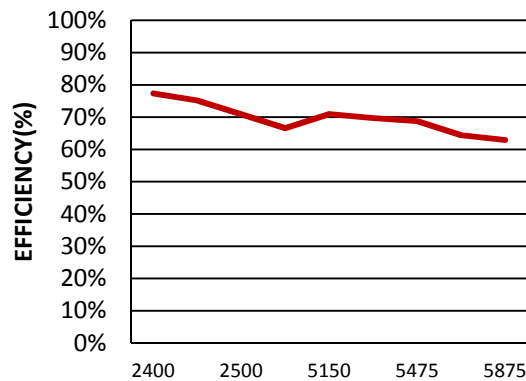
## ✓ V-Polarization

### Performance Summary

Frequency (MHz)	3D			HPBW	
	Efficiency	Avg. Gain	Peak Gain	H-plane	V-plane
2400	77%	-1.1	8.1	55	69
2450	75%	-1.2	7.9	57	71
2500	71%	-1.5	7.6	57	71
5150	71%	-1.5	6.2	79	82
5350	70%	-1.6	6.5	75	84
5475	69%	-1.6	6.6	72	86
5725	64%	-1.9	6.3	72	87
5875	63%	-2.0	7.1	56	76

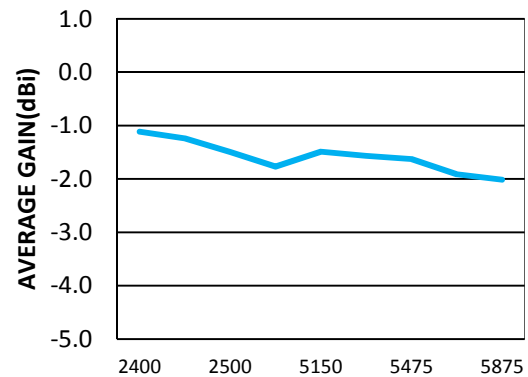
**EFFICIENCY**

**V-Pol**



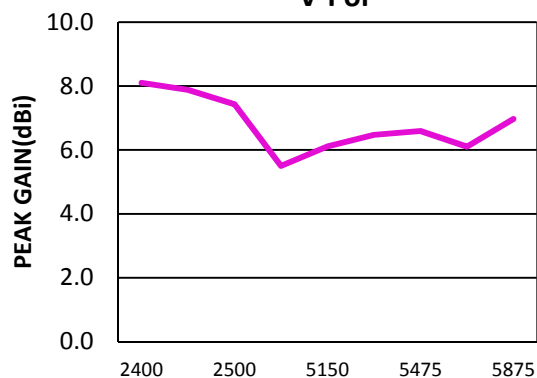
**AVERAGE GAIN**

**V-Pol**



**PEAK GAIN**

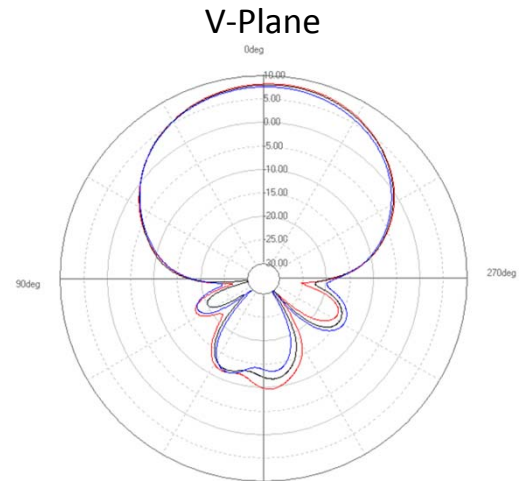
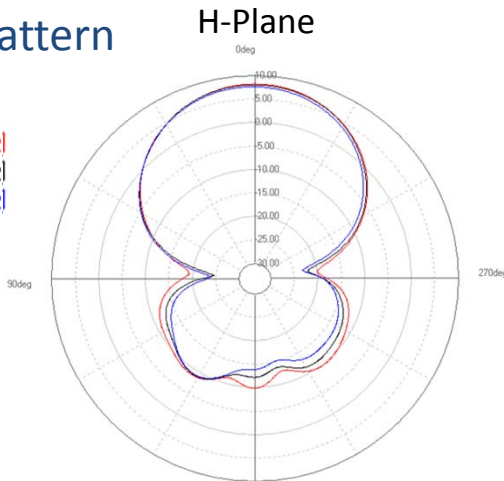
**V-Pol**



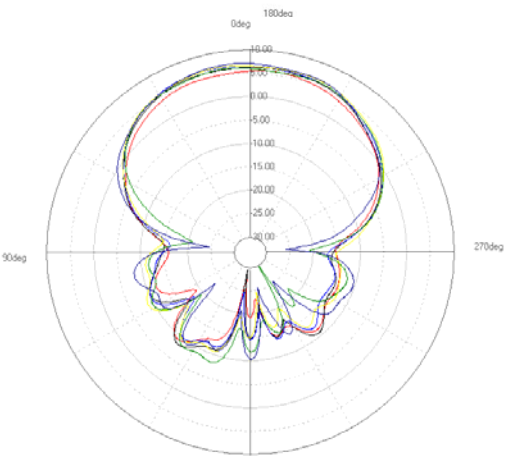
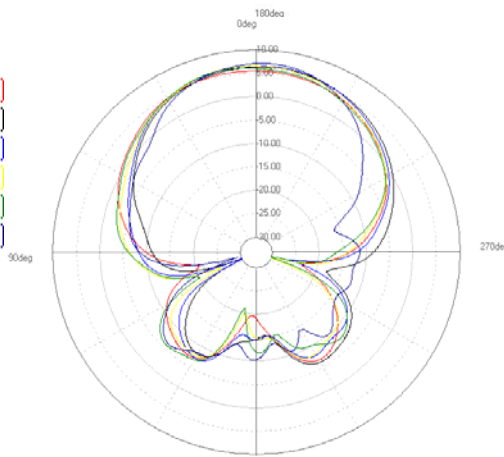
# Radiation Pattern V-Pol

## Co-Polar Pattern

- Legend**
- 2400(MHz)
  - 2450(MHz)
  - 2500(MHz)

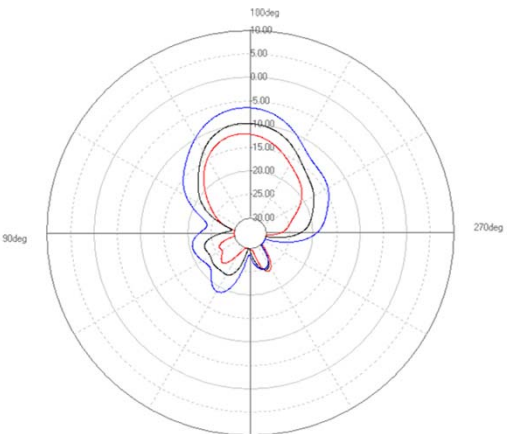
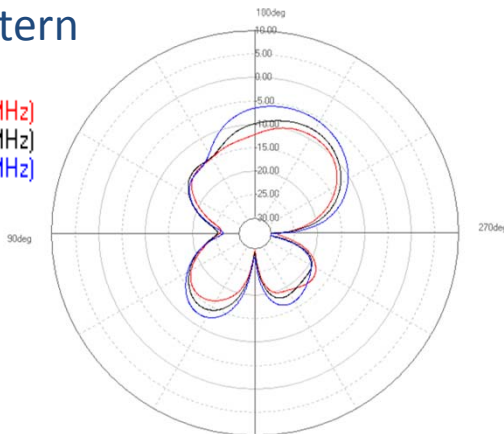


- Legend**
- 4900(MHz)
  - 5150(MHz)
  - 5350(MHz)
  - 5475(MHz)
  - 5725(MHz)
  - 5875(MHz)

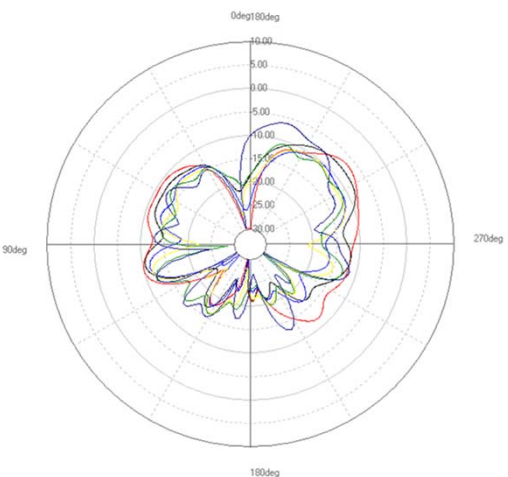
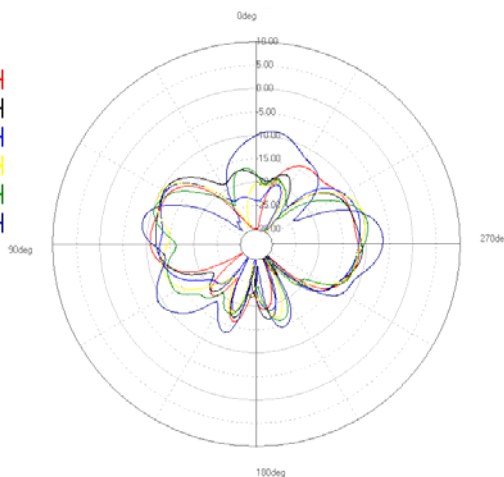


## X-Polar Pattern

- Legend**
- 2400(MHz)
  - 2450(MHz)
  - 2500(MHz)



- Legend**
- 4900(MH)
  - 5150(MH)
  - 5350(MH)
  - 5475(MH)
  - 5725(MH)
  - 5875(MH)



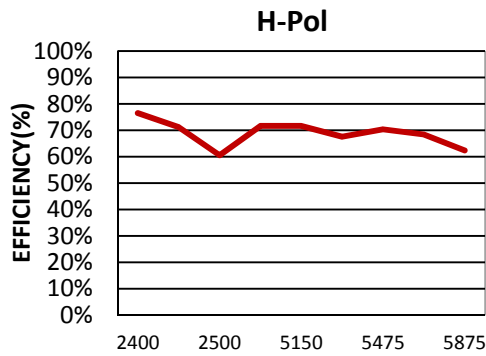
# Performance Summary

## ✓ H-Polarization

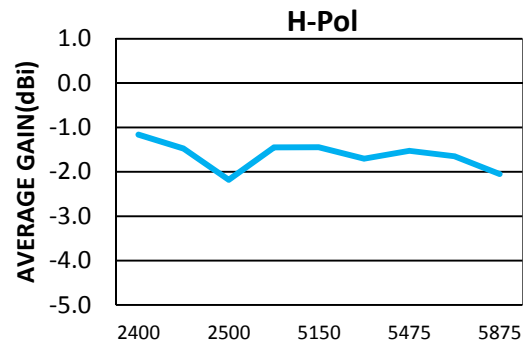
### Performance Summary

Frequency (MHz)	3D			HPBW	
	Efficiency	Avg. Gain	Peak Gain	H-plane	V-plane
2400	77%	-1.2	8.1	60	68
2450	71%	-1.5	7.9	60	68
2500	61%	-2.2	7.3	59	68
5150	72%	-1.4	5.8	101	68
5350	68%	-1.7	5.9	96	65
5475	70%	-1.5	6.6	91	59
5725	68%	-1.6	6.1	94	60
5875	62%	-2.0	6.0	96	56

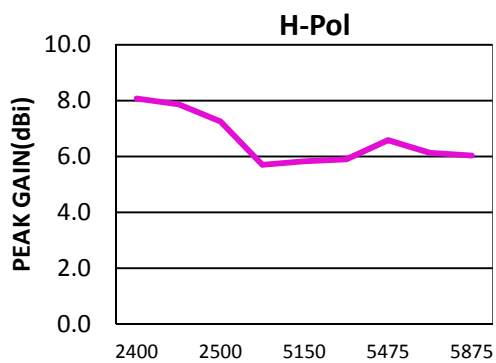
**EFFICIENCY**



**AVERAGE GAIN**



**PEAK GAIN**



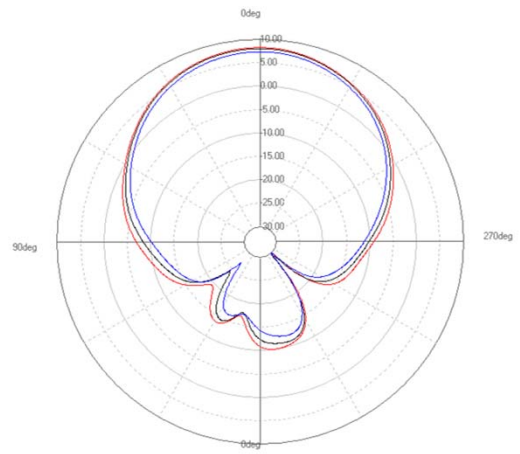
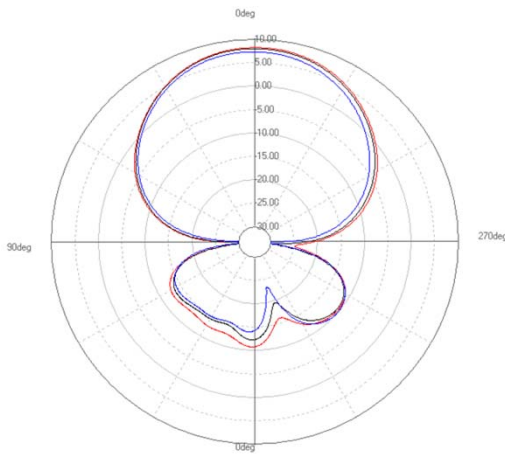
# Radiation Pattern H-Pol

## Co-Polar Pattern

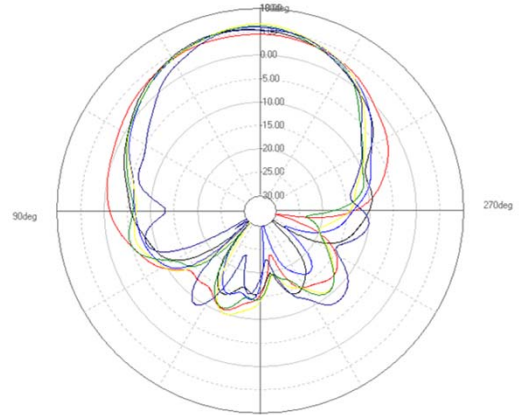
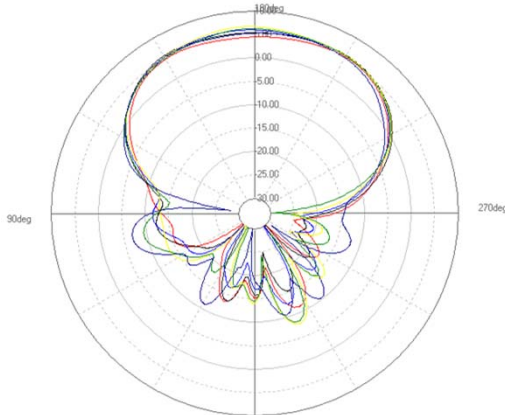
### H-Plane

### V-Plane

- Legend**
- 2400(MHz)
  - 2450(MHz)
  - 2500(MHz)

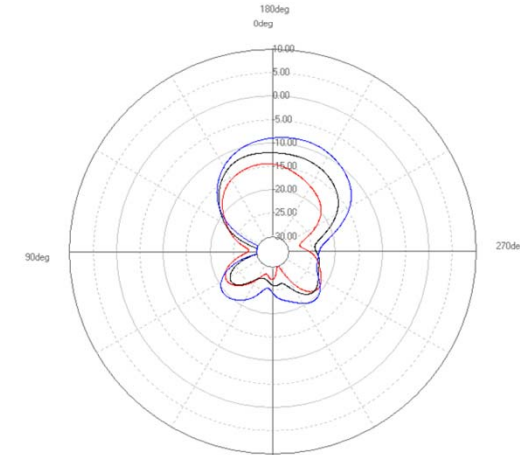
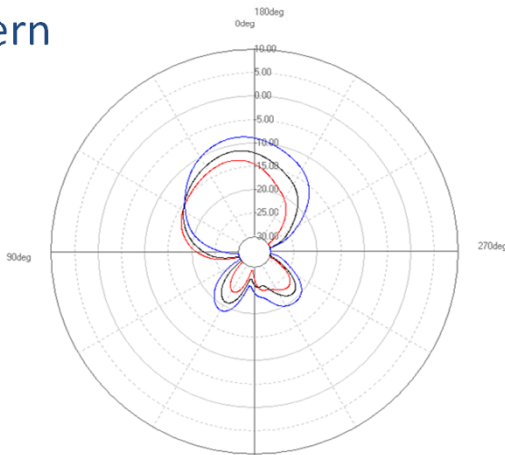


- Legend**
- 4900(MHz)
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- Legend**
- 2400(MHz)
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- Legend**
- 4900(MHz)
  - 5150(MHz)
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