



**P250-900**

## SECTOR PANEL ANTENNA

- P250-900

### DESCRIPTION

The Wade P250-900 Sector Panel Antenna provides flexibility in the field ranging from 60 to 180 degree beam-width. With additional metal "wings" the antenna beam-width can be adjusted to suit each application or change as your wireless network grows. Made in Canada.

### APPLICATION

Ideal for a cell site or base station antenna for 900 MHz wireless applications, including SCADA, WLAN, and Wireless Internet Service Providers (WISP's).

### ELECTRICAL

MODEL	P250-900					
Frequency Range	902-928 MHz					
WING DEGREES	180	150	120	90	60	
Gain (dBi)	10	10.7	11.8	13	14	
Impedance [Ohms]	50	50	50	50	50	
Polarization	Vert.	Vert.	Vert.	Vert.	Vert.	
VSWR:	Min	1.25:1				
	Max	1.55:1				
	Typical	1.4:1				
HPBW:	Horz.	180	150	120	90	60
	Vert.	17	17	17	17	17
Std. Connector	N-Female					
Max. Input Power [watts]	10W					
Operating Temperature	+70C to -40C					

### WIND LOADING

MODEL	P250-900					
WING DEGREES	180	150	120	90	60	
Wind Area:	Sq. ft. (No Ice)	2.3	2.8	3.3	4.0	5.4
	(1/2" Radial Ice)	3.3	3.8	4.4	5.2	6.1
Wind Load	Ft - lbs * (No Ice)	100.6	123.0	148.2	180.8	243.3
	** (1/2" Radial Ice)	38.8	47.3	53.3	61.8	79.3

### MECHANICAL

MODEL	P250-900
Overall Length [in.]	45 (114.3 cm)
Antenna Weight	10lbs (4.5 kg)
Without wings	7lbs (3.2 kg)

### MOUNTING OPTIONS

MODEL	P250-900
Mast size(O.D.)	2" with supplied clamps, wall mountable, pipe mount of any diameter

\* Wind Speed = 100 MPH at sea level with 100% Humidity at Seventy Degrees Fahrenheit.

\*\* Wind Speed = 50 MPH at sea level with 100% Humidity at Zero Degrees Fahrenheit.

WADE Antenna's ongoing policy of continuing development may result in specification changes to its products.

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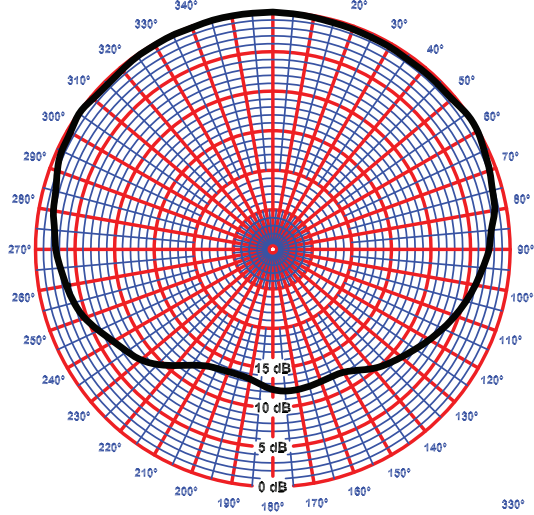
[www.wadeantenna.com](http://www.wadeantenna.com)

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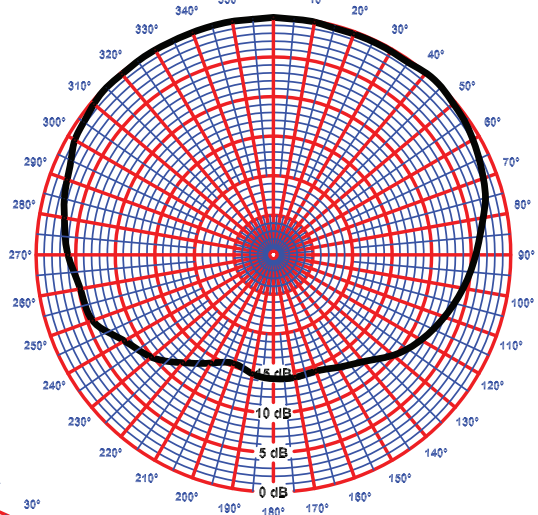
## ANTENNA PATTERNS



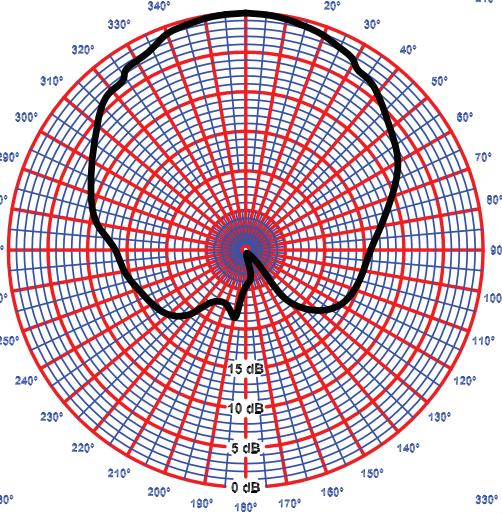
P250-900-180°  
915 MHz



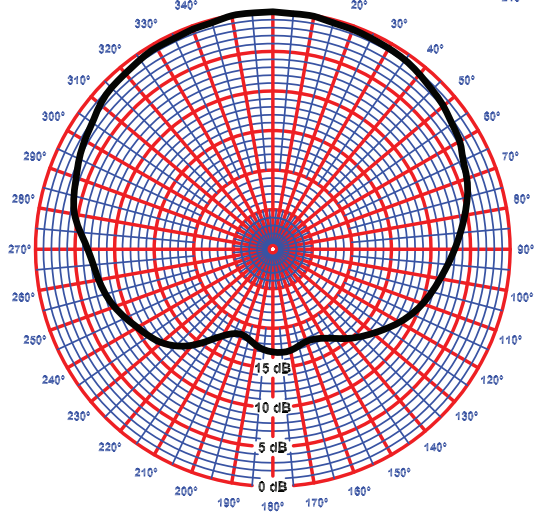
P250-900-150°  
915 MHz



P250-900-60°  
915 MHz



P250-900-120°  
915 MHz



P250-900-90°  
915 MHz

