



900 MHZ YAGI ANTENNA

- Y915-15

DESCRIPTION

Wade Antenna's new 900 MHz Yagi Antenna is designed for high gain and increased distances. The strong front-to-back ratio minimizes signal interference for optimum wireless communications.

APPLICATION

Ideal for client site for 900 MHz wireless applications, including SCADA, WLAN, and Wireless Internet Service Providers (WISP's).

ELECTRICAL

MODEL	Y915-15	
Frequency Range	902-928 MHz	
Gain (dBi)	15	
Impedance [Ohms]	50	
Front-to-Back Ratio	19dB	
Polarization	Horiz. & Vert.	
VSWR:	Min	1.2
	Max	1.8
	Typical	1.5
HPBW:	Horz.	32
	Vert.	32
Std. Connector	N-Female	
Max. Input Power [watts]	50W	
Operating Temperature	+70C to -40C	

WIND LOADING

MODEL	Y915-15			
Wind Area:	Sq. ft. (No Ice)	0.81 V	0.586 H	
	(1/2" Radial Ice)	1.1 V	0.97 H	
Wind Load	Ft - lbs * (No Ice)	32.4 V	23.44 H	
	** (1/2" Radial Ice)	42.3 V	38.9 H	

MECHANICAL

MODEL	Y915-15
Number of Elements [turns]	14
Overall Length [in.]	60" (152.4 cm)
Longest Element	7.75
Antenna Weight	3.3lbs (1.5 kg) - with mount

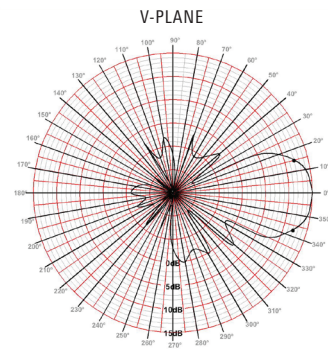
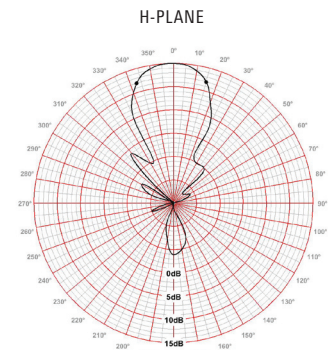
MOUNTING OPTIONS

MODEL	Y915-15
Mast size(O.D.)	2" O.D. Pipe

* 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.

ANTENNA PATTERNS



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

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