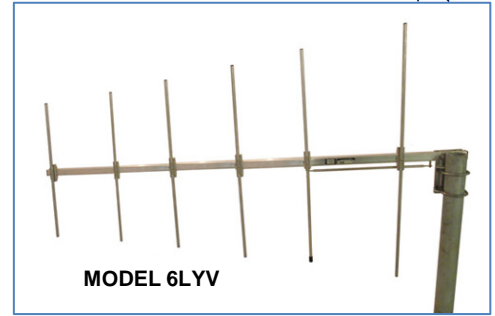


## BASE STATION VHF YAGI ANTENNAS

- **LYV SERIES** 138 – 174 MHz



### Description

Wade VHF yagi antennas are used for point-to-point communication for paging, repeaters and control stations. The LYV yagi antenna provides high directional gain. The high front-to-back ratios and narrow beam width effectively reduces interference from other communication systems using the same frequencies.

### Features

- Flat, even response over desired bandwidths
- Excellent directivity & low VSWR for maximum efficiency
- DC grounded for lightning and static build-up to ensure equipment protection
- Heavy duty aluminum construction for long lasting service
- Stainless steel hardware at critical points assures reliable performance
- Double mounting clamp for positive mast gripping ensures antenna will remain on station
- Mounting brackets for horizontal or vertical polarization
- Includes 25 ft. RG58 cable with BNC-Male connector
- Made in Canada

### ELECTRICAL SPECIFICATIONS

MODEL	4LYV	6LYV
Frequency Range	138-174 MHz	
Gain (dBi)	10.0	11.2
Impedance	50 Ohm	
VSWR (Max)	1.4:1	
Front to Back Ratio	17 dB	20 dB
Polarization	H or V	
H. Beam Width	72°	62°
V. Beam Width	54°	48°
Bandwidth	5 MHz	
DC Grounded	Yes	
Connector	BNC-Female	

### MECHANICAL SPECIFICATIONS

MODEL	4LYV	6LYV	
Length	@ 138 MHz	62 in.	120.25 in.
	@ 174 MHz	49.25 in.	84.25 in.
Weight (Nominal)	2 lbs.	4 lbs.	
Mounting Diameter Range	1.25" to 3" Mast.		

### WIND LOADING

MODEL	4LYV	6LYV	
Rated Wind Velocity	100 mph.	100 mph.	
Projected Area @ 150 MHz	No Ice	1.0 sq. ft.	1.4 sq. ft.
	½" Radial Ice	2.3 sq. ft.	3.3 sq. ft.

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

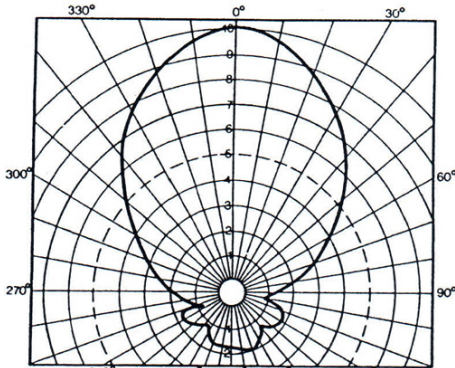
**WADE Antenna Inc.**  
29 Sharp Road  
Brantford, Ontario, N3T 5L8  
Canada  
Tel: 519.756.7157  
Fax: 519.756.5056

(800) 463-1607  
sales@wadeantenna.com  
www.wadeantenna.com

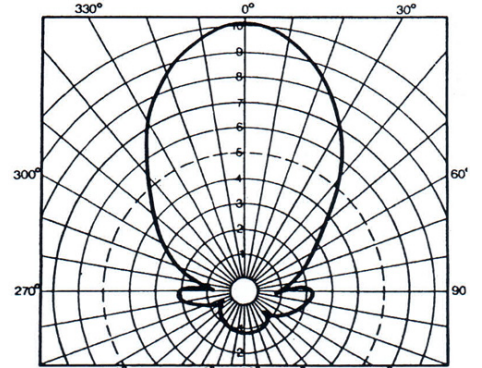
4LYV @ 152 MHz

**TYPICAL ANTENNA PATTERNS**

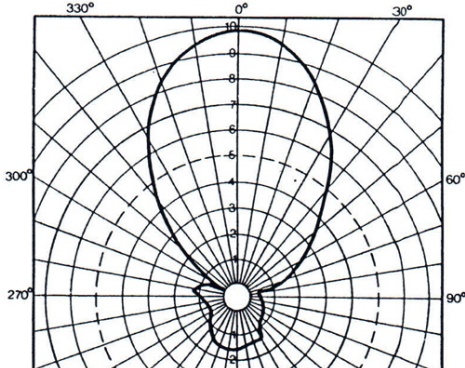
6LYV @ 152 MHz



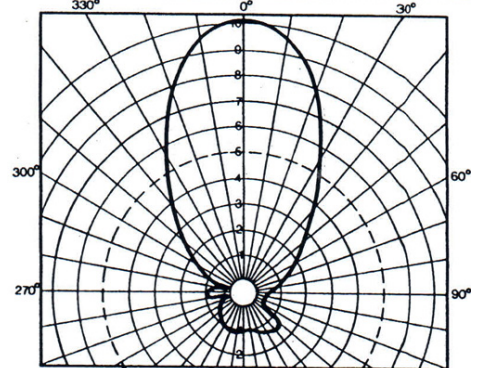
Vertical Beam Width



Vertical Beam Width



Horizontal Beam Width



Horizontal Beam Width

4LYV @ 152 MHz

**TYPICAL GAIN / VSWR**

6LYV @ 152 MHz

