



LOW BAND HORIZONTAL PAIR ARRAY MODELS:

- WL 2-4/HP
- WL 3-5/HP
- WL 4-6/HP
- WL 6-FM/HP

HORIZONTAL PAIR

This horizontal pair has been engineered for maximum forward gain with optimum side lobe performance. The narrow horizontal beam width reduces the effect of man-made noise, co-channel and other sources of interference off the main beam. Where specific sources of interference can be identified, a custom designed array may reduce the level of interference even further.

SPECIFICATIONS:

ELECTRICAL

Specification	WL 2-4/HP	WL 3-5/HP	WL 4-6/HP	WL 6-FM/HP
FREQUENCY RANGE	54-72 MHz	60-82 MHz	66-88 MHz	82-108 MHz
CHANNELS	2,3&4	3,4&5	4,5&6	6&FM
GAIN	12 dBi	12 dBi	12 dBi	12 dBi
IMPEDANCE	75 Ohm	75 Ohm	75 Ohm	75 Ohm
VSWR	<1.3:1	<1.3:1	<1.3:1	<1.3:1
FR:BK RATIO	>25 dB	>25 dB	>25 dB	>25 dB
POLARIZATION	H or V	H or V	H or V	H or V
H. BEAM WIDTH	34 deg.	34 deg.	32 deg.	30 deg.
V. BEAM WIDTH	90 deg.	90 deg.	90 deg.	85 deg.
SIDE LOBE SUPPRESSION				
FIRST SIDE LOBE	16.5 dB	17.5 dB	17 dB	18 dB
ALL OTHERS*	>30 dB	>30 dB	>30 dB	>30 dB
CONNECTORS**	"F" Connector			
STD. MOUNT	1/2" U-Bolts to Fit 3" O.D. Pipe			

*These standard arrays have been designed for maximum forward gain and best overall sidelobe performance. where interfering signals such as co-channel, adjacent channel and ghosting are present, custom arrays can be designed to significantly reduce the level of interference.

A qualified structural engineer should be consulted prior to mounting an antenna on a tower or a support structure.

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

SPECIFICATIONS:

WIND AND ICE LOADING

Specification	WL 2-4/HP	WL 3-5/HP	WL 4-6/HP	WL 6-FM/HP
BOOM LENGTH	144"	144"	128"	137"
WEIGHT (LBS):				
NO ICE*	333	333	322	324
1" RADIAL ICE**	818	818	806	812
WIND LOAD (LBS):				
NO ICE*	260	260	236	240
1" RADIAL ICE**	260	260	240	245
WIND TORQUE (Ft-Lbs):				
NO ICE*	1456	1456	1286	1320
1" RADIAL ICE**	1417	1417	1200	1300

*WIND SPEED 100 MPH

**HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.

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