



LOW BAND VERTICAL PAIR ARRAY MODELS:

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

VERTICAL PAIR

This array has been engineered for maximum gain with narrow vertical beam width to reduce the effects of man-made noise in the immediate foreground. Where fixed sources of noise such as power lines exist, it may be possible to improve the signal to interference ratio with a custom designed array.

SPECIFICATIONS:

ELECTRICAL

Specification	WL 2-4/VP	WL 3-5/VP	WL 4-6/VP	WL 6-FM/VP
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	60 deg.	60 deg.	60 deg.	60 deg.
V. BEAM WIDTH	36 deg.	36 deg.	32 deg.	32 deg.
SIDE LOBE SUPPRESSION	>30 dB	>30 dB	>30 dB	>30 dB
CONNECTORS**	"F" Connector			
STD. MOUNT	1/2" U-Bolts to Fit 3 1/2" 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 reduce the level of interference by as much as 40 db in most cases.

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

WADE Antenna Inc.

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SPECIFICATIONS:

WIND AND ICE LOADING

Specification	WL 7-13/VP	WL 7-13/VP	WL 7-13/VP	WL 7-13/VP
BOOM LENGTH	144"	144"	128"	137"
WEIGHT (LBS):				
NO ICE*	335	335	323	331
1" RADIAL ICE**	625	625	585	595
WIND LOAD (LBS):				
NO ICE*	295	295	211	218
1" RADIAL ICE**	285	285	260	270
WIND TORQUE (Ft-Lbs):				
NO ICE*	1608	1608	1477	1490
1" RADIAL ICE**	1596	1596	1300	1320

*WIND SPEED 100 MPH

**HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE LOW BAND ANTENNA SPECIFICATIONS.

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