



HIGH BAND VERTICAL PAIR ARRAY MODEL:

- WL 7-13/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 7-13/VP
FREQUENCY RANGE	174-216 MHz
CHANNELS	7 To 13
GAIN	14.5 dBi
IMPEDANCE	75 Ohm
VSWR	<1.3:1
FR:BK RATIO	>25 dB
POLARIZATION	H or V
H. BEAM WIDTH	50 deg.
V. BEAM WIDTH	27 deg.
SIDE LOBE SUPPRESSION*	>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 reduce the level of interference by as much as 40 db in most cases.

WIND AND ICE LOADING

Specification	WL 7-13/VP
BOOM LENGTH	96 "
WEIGHT (LBS):	
NO ICE*	104
1" RADIAL ICE**	364
WIND LOAD (LBS):	
NO ICE*	150
1" RADIAL ICE**	155
WIND TORQUE (Ft-Lbs):	
NO ICE*	818
1" RADIAL ICE**	605

*WIND SPEED 100 MPH

**HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.

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

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