

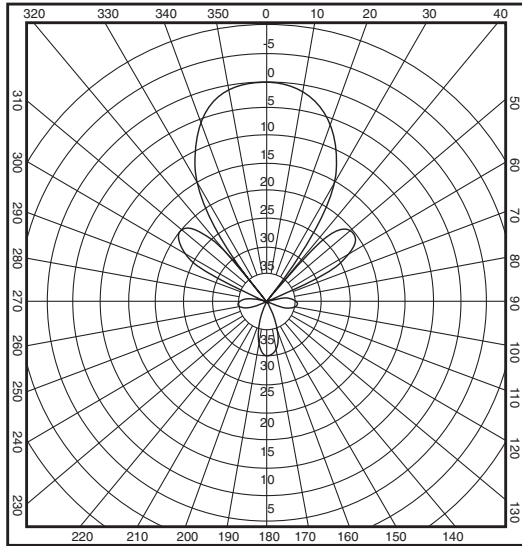
WADE ANTENNA

HIGH BAND HORIZONTAL PAIR ARRAY MODEL:

◆ WL 7-13/HP

HORIZONTAL PAIR

The 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.



WADE LOG PERIODIC ANTENNA

HORIZONTAL PAIR

ELECTRICAL SPECIFICATIONS

SPECIFICATION

WL 7-13/HP

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	22 deg.
V. BEAM WIDTH	70 deg.
SIDE LOBE SUPPRESSION	
FIRST SIDE LOBE	15 dB
ALL OTHERS*	>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.

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HORIZONTAL PAIR

WIND AND ICE LOADING

SPECIFICATION WL 7-13/HP

BOOM LENGTH	96 "
WEIGHT (LBS):	
NO ICE*	140
1" RADIAL ICE**	436
WIND LOAD (LBS):	
NO ICE*	135
1" RADIAL ICE**	150
WIND TORQUE (Ft-Lbs):	
NO ICE*	736
1" RADIAL ICE**	590

*WIND SPEED 100 MPH
**HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.