

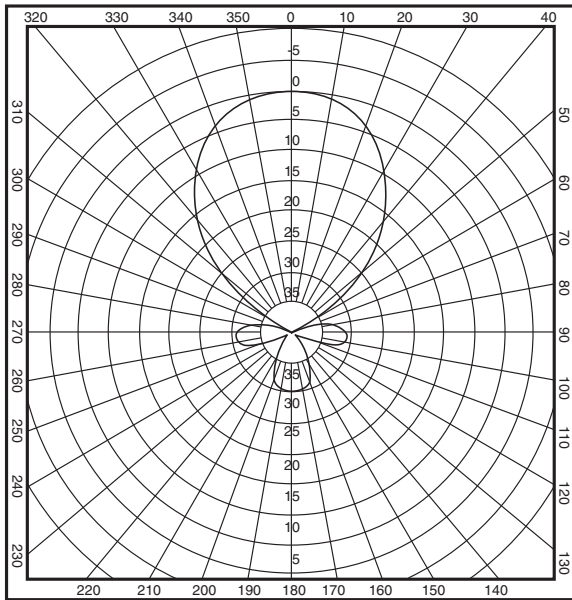
WADE ANTENNA

UHF VERTICAL PAIR ARRAY MODELS:

- ◆ WL 14-35/VP
- ◆ WL 30-83/VP

VERTICAL PAIR

This array has been engineered for maximum gain with narrow vertical beam width to reduce the effects of interference such as multipath. Where fixed sources of noise exist it may be possible to improve the signal to interference ratio with a custom designed array.



WADE LOG PERIODIC ANTENNA

VERTICAL PAIR

ELECTRICAL SPECIFICATIONS

SPECIFICATION	WL 14-35/VP	WL 30-83/VP
FREQUENCY RANGE	470-602 MHz	566-890 MHz
CHANNELS	14 To 35	30 To 83
GAIN	14 dBi	14 dBi
IMPEDANCE	75 Ohm	75 Ohm
VSWR	<1.3:1	<1.3:1
FR:BK RATIO	>25 dB	>25 dB
POLARIZATION	H or V	H or V
H. BEAM WIDTH	46 deg.	46 deg.
V. BEAM WIDTH	22 deg.	20 deg.
SIDE LOBE SUPPRESSION*	>30 dB	>30dB
CONNECTORS	"F" Connector	
STD. MOUNT	3/8" U-Bolts to Fit 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.

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VERTICAL PAIR SPECIFICATION	WIND AND ICE LOADING	
	WL 14-35/VP	WL 30-83/VP
BOOM LENGTH	36.25"	41.5"
WEIGHT (LBS):		
NO ICE*	27	30.5
1" RADIAL ICE**	92	100
WIND LOAD (LBS):		
NO ICE*	32	36
1" RADIAL ICE**	36	40
WIND TORQUE (Ft-Lbs):		
NO ICE*	51	63
1" RADIAL ICE**	46	58
*WIND SPEED	100 MPH	
**HALF WIND	50 MPH	

DIMENSIONS - SEE SINGLE UHF ANTENNA SPECIFICATIONS.