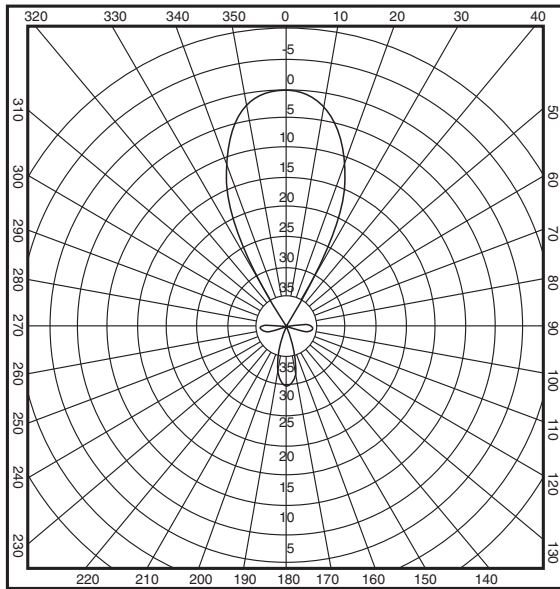


WADE ANTENNA



UHF DIAMOND QUAD ARRAY MODELS:

- ◆ WL 14-35/DQ
- ◆ WL 30-83/DQ

QUAD ARRAY

This rugged array combines high gain with narrow vertical and horizontal beam width. Engineered for maximum gain and superior side lobe performance, this array will significantly reduce the level of interfering signals. Where specific sources of interference can be identified, a custom designed array will ensure optimum rejection.

WADE LOG PERIODIC ANTENNA

HORIZONTAL PAIR

ELECTRICAL SPECIFICATIONS

SPECIFICATION	WL 14-35/DQ	WL 30-83/DQ
FREQUENCY RANGE	470-602 MHz	566-890 MHz
CHANNELS	14 To 35	30 To 83
GAIN	17 dBi	17 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	20 deg.	20 deg.
V. BEAM WIDTH	22 deg.	22 deg.
SIDE LOBE SUPPRESSION*	>25 dB	>25 db
CONNECTORS	"F" Connector	
STD. MOUNT	1/2" 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.

WADE LOG PERIODIC ANTENNA

QUAD ARRAY

WIND AND ICE LOADING

SPECIFICATION	WL 14-35/DQ	WL 30-83/DQ
BOOM LENGTH	36.25 "	41.5 "
WEIGHT (LBS):		
NO ICE*	85	89
1" RADIAL ICE**	204	224
WIND LOAD (LBS):		
NO ICE*	80	85
1" RADIAL ICE**	90	96
WIND TORQUE (Ft-Lbs):		
NO ICE*	135	145
1" RADIAL ICE**	120	128
WIND SPEED	100 MPH	
HALF WIND	50 MPH	

DIMENSIONS - SEE SINGLE UHF ANTENNA SPECIFICATIONS.