

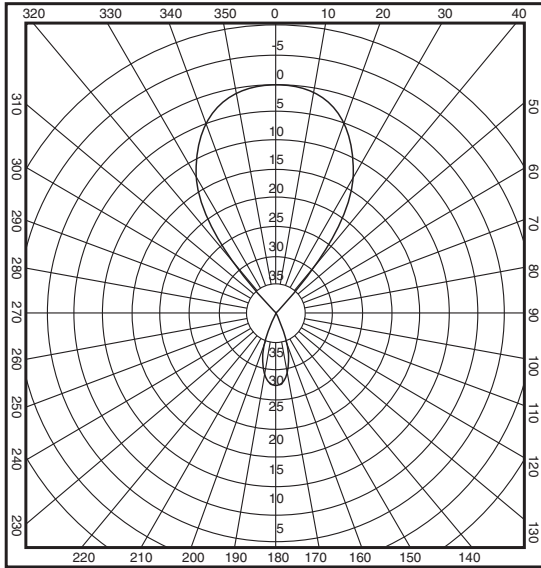
WADE ANTENNA

HIGH BAND DIAMOND QUAD ARRAY MODEL:

◆ WL 7-13/DQ

DIAMOND QUAD

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

QUAD ARRAY

ELECTRICAL SPECIFICATIONS

SPECIFICATION

WL 7-13/DQ

FREQUENCY RANGE	174-216 MHz
CHANNELS	7 To 13
GAIN	17.5 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	24 deg.
SIDE LOBE SUPPRESSION	>28 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 SIGNIFICANTLY REDUCE THE LEVEL OF INTERFERENCE.

WADE LOG PERIODIC ANTENNA

QUAD ARRAY WIND AND ICE LOADING

SPECIFICATION WL7-13/DQ

BOOM LENGTH	96 "
WEIGHT (LBS):	
NO ICE	230
1" RADIAL ICE	772
WIND LOAD (LBS):	
NO ICE	290
1" RADIAL ICE	282
WIND TORQUE (Ft-Lbs):	
NO ICE	1580
1" RADIAL ICE	1128

WIND SPEED	100 MPH
HALF WIND	50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.