

## UHF DIAMOND QUAD ARRAY MODEL:

- WL 14-69/DQ

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.

### ELECTRICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/DQ
Frequency Range (MHz)	470 - 806 MHz
Channels	14 To 69
Gain	17 dBi
Impedence	75 Ohm
VSWR	<1.3:1
FR:BK Ratio	>25 dB
Polarization	H or V
H. Beam Width	20 deg
V. Beam Width	22 deg
Side lobe Suppression	>25 dB
Connectors	"F" Connector
Std. Mount	1/2" U-bolts to fit 2-1/2" O.D. Pipe

- 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.

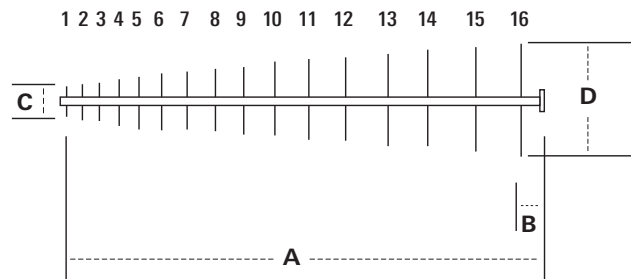
### MECHANICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/DQ
Boom length	45.25"
Weight (lbs):	
No ice	90
1" radial ice	225
Wind load (lbs):	
No ice*	96
1" radial ice**	68
Wind torque (ft-lbs):	
No ice*	174
1" radial ice**	114
Wind load area (sq.ft.)	
No Ice	2.66
1" Radial Ice	6.0

\* WIND SPEED - 100 M.P.H.    \*\* HALF WIND SPEED - 50 M.P.H.

### OVERALL DIMENSIONS

MODEL(S)	WL-14-69/DQ
Number of Elements	16
Boom Length (A)	45.25"
Boom Length (B)	2.675"
Shortest Length (C)	3.675"
Longest Element (D)	11"



Wade Antenna, Inc.