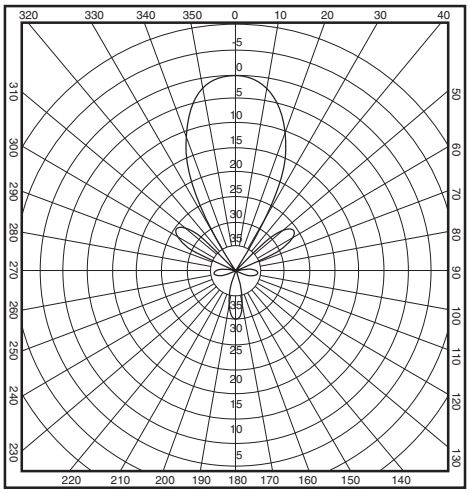
WADE Antenna, Inc.



UHF HORIZONTAL PAIR ARRAY MODELS:

- WL 14-69/HP

The UHF horizontal pair is a custom designed array, used where specific sources of interference have been identified. The same high quality of construction is used for this array as is used with all our log periodic antennas.

ELECTRICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/HP
Frequency Range (MHz)	470 - 806 MHz
Channels	14 To 69
Gain	14 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	65 deg
Side lobe Suppression	17 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.

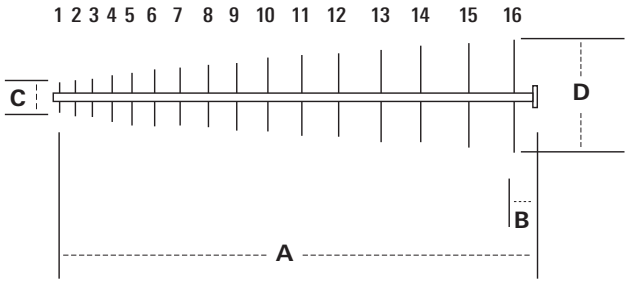
MECHANICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/HP
Boom length	45.25"
Weight (lbs):	
No ice	38
1" radial ice	107
Wind load (lbs):	
No ice*	48
1" radial ice**	34
Wind torque (ft-lbs):	
No ice*	87
1" radial ice**	57
Wind load area (sq.ft.)	
No Ice	1.33
1" Radial Ice	3.0

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

OVERALL DIMENSIONS

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



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