

SINGLE UHF ANTENNA MODEL:

- WL 14-69/S

A single broadband UHF model provides optimum performance over the desired band. The 75 Ohm feed point is sealed within the boom. A short length of cable is fitted with a standard "F" connector for connection to the down lead. This light weight, high quality antenna is small in size and big on performance.

ELECTRICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/S
Frequency Range (MHz)	470-806 MHz
Channels	14 to 69
Gain	11 dBi
Impedence	75 Ohm
VSWR	<1.25:1
FR:BK Ratio	>25 dB
Polarization	H or V
H. Beam Width	46 deg.
V. Beam Width	65 deg.
Side lobe Suppression	>30 dB
Connectors	"F" Connector
Std. Mount	3/8" U-bolts to fit 2-7/8" 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.

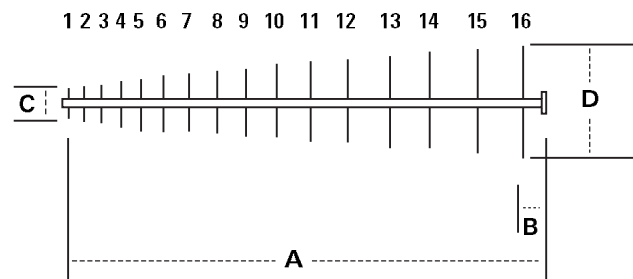
MECHANICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/S
Boom length	45.25"
Weight (lbs):	
No ice	5.8
1" radial ice	35
Wind load (lbs):	
No ice*	23
1" radial ice**	15
Wind torque (ft-lbs):	
No ice*	43.5
1" radial ice**	28.5
Wind load area (sq.ft.)	
No Ice	0.63
1" Radial Ice	1.42

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

OVERALL DIMENSIONS

MODEL(S)	WL-14-69/S
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.