

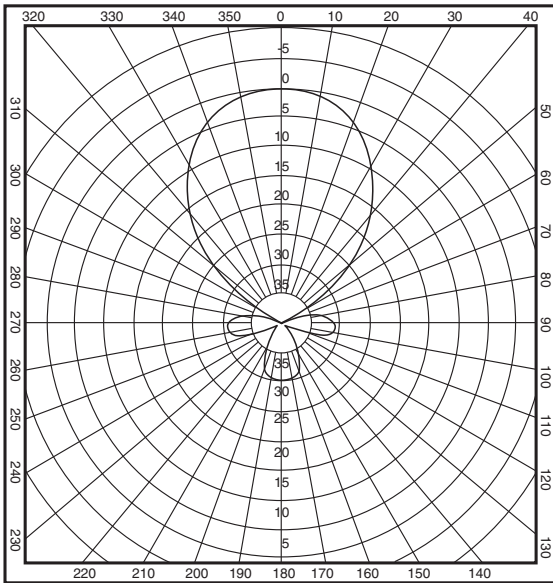
WADE ANTENNA

SINGLE UHF ANTENNA MODELS:

- ◆ WL 14-35/S
- ◆ WL 30-83/S

UHF ANTENNA

There are two rugged UHF models. Each antenna is designed for 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. These light weight, high quality antennas are small in size and big on performance.



WADE LOG PERIODIC ANTENNA

SINGLE ANTENNA

ELECTRICAL SPECIFICATIONS

SPECIFICATION	WL 14-35/S	WL 30-83/S
FREQUENCY RANGE	470-602 MHz	566-890 MHz
CHANNELS	14 To 35	30 To 83
GAIN	11 dBi	11 dBi
IMPEDANCE	75 Ohm	75 Ohm
VSWR	<1.25:1	<1.25:1
FR:BK RATIO	>25 dB	>25 dB
POLARIZATION	H or V	H or V
H. BEAM WIDTH	46 deg.	46 deg.
V. BEAM WIDTH	65 deg.	65 deg.
SIDE LOBE SUPPRESSION*	>30 dB	>30 dB
CONNECTORS	"F" Connector	
STD. MOUNT	3/8" U-Bolts to Fit 2" O.D. Pipe	

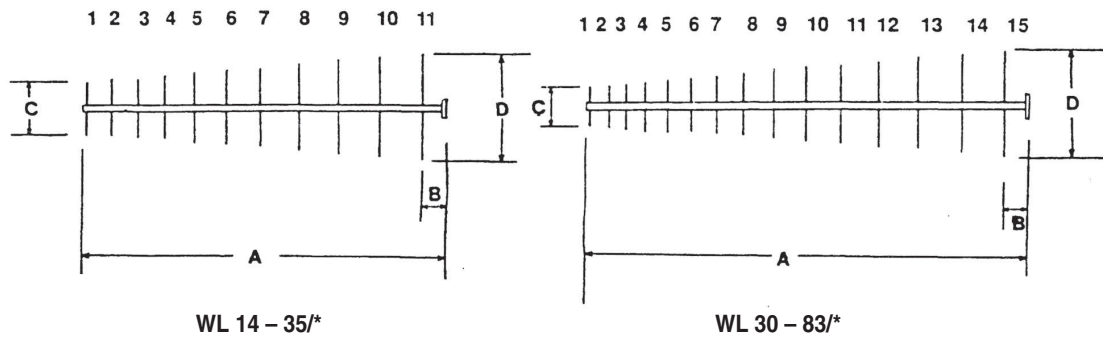
*WHERE INTERFERING SIGNALS SUCH AS CO-CHANNEL, ADJACENT CHANNEL AND GHOSTING ARE PRESENT, CUSTOM ARRAYS CAN BE DESIGNED TO REDUCE THE LEVEL OF INTERFERENCE BY AS MUCH AS 40 dB IN MOST CASES.

WADE LOG PERIODIC ANTENNA

SINGLE ANTENNA WIND AND ICE LOADING

SPECIFICATION	WL 14-35/S	WL 30-83/S
BOOM LENGTH	36.25"	41.5"
WEIGHT (LBS):		
NO ICE*	5.0	5.7
1" RADIAL ICE**	30	34
WIND LOAD (LBS):		
NO ICE*	15	17
1" RADIAL ICE**	17	19
WIND TORQUE (Ft-Lbs):		
NO ICE*	25	32
1" RADIAL ICE**	23	29

*WIND SPEED 100 MPH
 **HALF WIND 50 MPH



WADE LOG PERIODIC ANTENNA

SINGLE ANTENNA OVERALL DIMENSIONS

SPECIFICATION	WL 14-35/S	WL 30-83/S
NUMBER OF ELEMENTS	11	15
BOOM LENGTH (A)	36.25"	41.5"
STUB LENGTH (B)	5.5"	5.5"
SHORTEST ELEMENT (C)	4.2"	3.75"
LONGEST ELEMENT (D)	12.0"	10.0"