

WADE ANTENNA

SINGLE LOW BAND ANTENNA MODELS:

- ◆ WL 2-4/S ◆ WL 3-5/S
- ◆ WL 4-6/S ◆ WL 6-FM/S

LOW BAND ANTENNA

There are four rugged low band models, each engineered to provide optimum performance over the desired band. Pure log periodic design and cantilever mount ensure superior electrical performance and pattern predictability for maximum rejection of interfering signals. A newly designed feed point accepts a standard 75 Ohm CATV housing connector. The use of corrosion resistant materials combines long life with trouble-free, reliable performance.

WADE LOG PERIODIC ANTENNA

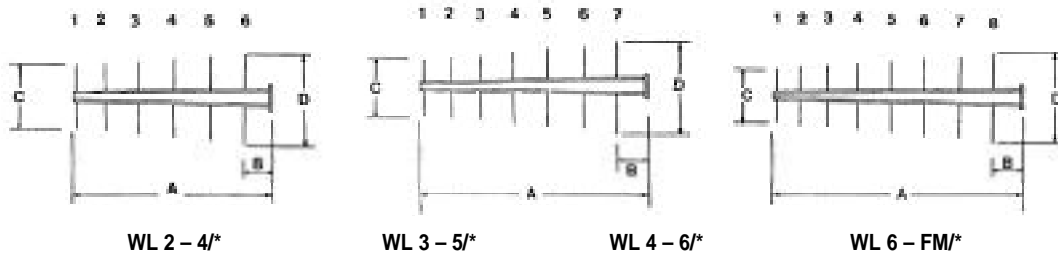
SINGLE ANTENNA SPECIFICATION	ELECTRICAL SPECIFICATIONS			
	WL 2-4/S	WL 3-5/S	WL 4-6/S	WL 6-FM/S
FREQUENCY RANGE	54-72 MHz	60-82 MHz	66-88 MHz	82-108 MHz
CHANNELS	2,3&4	3,4&5	4,5&6	6&FM
GAIN	9 dBi	9 dBi	9 dBi	9 dBi
IMPEDANCE	75 Ohm	ALL MODELS		
VSWR	<1.25:1	<1.25:1	<1.25:1	<1.25:1
FR:BK RATIO	>25 dB	ALL MODELS		
POLARIZATION	H or V	ALL MODELS		
H. BEAM WIDTH	60 deg.	60 deg.	60 deg.	60 deg.
V. BEAM WIDTH	90 deg.	90 deg.	90 deg.	90 deg.
SIDE LOBE SUPPRESSION*	>30 dB	ALL MODELS		
CONNECTORS**	"F" Connector			
STD. MOUNT	1/2" U-Bolts to Fit 3.5" 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 SPECIFICATION	WIND AND ICE LOADING			
	WL 2-4/S	WL 3-5/S	WL 4-6/S	WL 6-FM/S
BOOM LENGTH	144"	144"	128"	137"
WEIGHT (LBS):				
NO ICE"	60	60	56	58
1" RAD. ICE"	230	230	212	210
WIND LOAD (LBS):				
NO ICE"	120	120	108	112
1" RAD. ICE"	105	105	92	95
WIND TORQUE (Ft-Lbs):				
NO ICE"	654	654	588	600
1" RAD. ICE"	508	508	475	450

*WIND SPEED 100 MPH
 **HALF WIND 50 MPH



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SINGLE ANTENNA SPECIFICATION	OVERALL DIMENSIONS			
	WL 2-4/S	WL 3-5/S	WL 4-6/S	WL 6-FM/S
NO. OF ELEMENTS	6	7	7	8
BOOM LENGTH (A)	144"	144"	128"	137"
STUB LENGTH (B)	24"	22"	19"	18"
SHORTEST ELEMENT (C)	57"	50"	46"	39"
LONGEST ELEMENT (D)	108"	98"	88"	71"

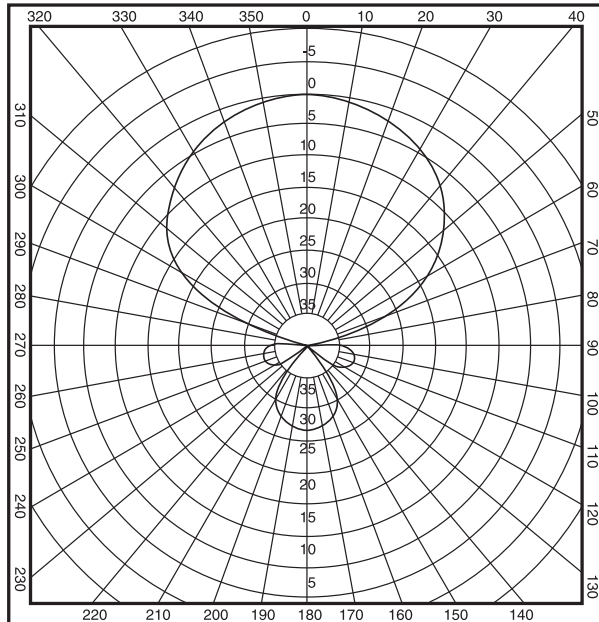
WADE ANTENNA

SINGLE HIGH BAND ANTENNA MODEL:

◆ WL 7-13/S

HIGH BAND ANTENNA

A single high band model provides optimum performance over the entire VHF high band. This sturdy antenna gives excellent performance with reliable, trouble free operation. A newly designed feed point accepts a standard 75 ohm CATV housing connector.



WADE LOG PERIODIC ANTENNA

SINGLE ANTENNA

ELECTRICAL SPECIFICATIONS

SPECIFICATION

WL 7-13/S

FREQUENCY RANGE	174-216 MHz
CHANNELS	7 To 13
GAIN	11.5 dBi
IMPEDANCE	75 Ohm
VSWR	<1.25:1
FR:BK RATIO	>25 dB
POLARIZATION	H or V
H. BEAM WIDTH	50 deg.
V. BEAM WIDTH	70 deg.
SIDE LOBE SUPPRESSION*	>30 dB
CONNECTORS**	"F" Connector
STD. MOUNT	1/2" 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.

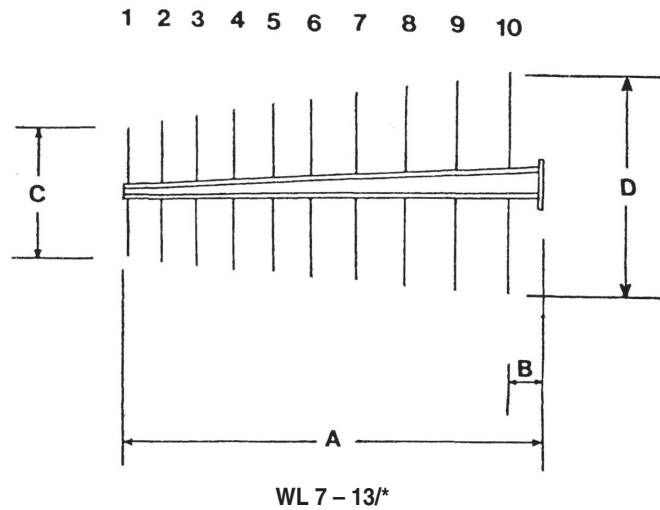
WADE LOG PERIODIC ANTENNA

SINGLE ANTENNA WIND AND ICE LOADING

SPECIFICATION WL 7-13/S

BOOM LENGTH	96"
WEIGHT (LBS):	
NO ICE	25
1" RADIAL ICE	140
WIND LOAD (LBS):	
NO ICE	60
1" RADIAL ICE	60
WIND TORQUE (Ft-Lbs):	
NO ICE	327
1" RADIAL ICE	235

WIND SPEED 100 MPH
 HALF WIND 50 MPH



WADE LOG PERIODIC ANTENNA

SINGLE ANTENNA OVERALL DIMENSIONS

SPECIFICATION WL 7-13/S

NUMBER OF ELEMENTS	10
BOOM LENGTH (A)	96"
STUB LENGTH (B)	8.25"
SHORTEST ELEMENT (C)	19.25"
LONGEST ELEMENT (D)	33.625"