



WADE ANTENNA

UHF HORIZONTAL PAIR ARRAY MODELS:

- ◆ WL 14-35/HP
- ◆ WL 30-83/HP

HORIZONTAL PAIR

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.

WADE LOG PERIODIC ANTENNA

HORIZONTAL PAIR

ELECTRICAL SPECIFICATIONS

SPECIFICATION	WL 14-35/HP	WL 30-83/HP
FREQUENCY RANGE	470-602 MHz	566-890 MHz
CHANNELS	14 To 35	30 To 83
GAIN	14 dBi	14 dBi
IMPEDANCE	75 Ohm	75 Ohm
VSWR	<1.3:1	<1.3:1
FR:BK RATIO	>25 dB	>25 dB
POLARIZATION	H or V	H or V
H. BEAM WIDTH	26 deg	24 deg
V. BEAM WIDTH	65 deg	65 deg
SIDE LOBE SUPPRESSION*		
FIRST SIDE LOBE	17 dB	18 dB
ALL OTHERS*	>30 dB ALL MODELS	
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.

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HORIZONTAL PAIR

WIND AND ICE LOADING

SPECIFICATION	WL 14-35/HP	WL 30-83/HP
BOOM LENGTH	36.25 "	41.5 "
WEIGHT (LBS):		
NO ICE [*]	38	36
1" RAD. ICE ^{**}	97	107
WIND LOAD (LBS):		
NO ICE [*]	35	39
1" RADIAL ICE ^{**}	39	43
WIND TORQUE (Ft-Lbs):		
NO ICE [*]	60	65
1" RADIAL ICE ^{**}	54	60
WIND SPEED	100 MPH	
**HALF WIND	50 MPH	

DIMENSIONS - SEE SINGLE UHF ANTENNA SPECIFICATIONS.