



Product Features

WL 7-13/S

Description

Our 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.

Features

- Pattern predictability
- Maximum rejection of interfering signals
- Corrosion resistant material

ELECTRICAL SPECIFICATIONS

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
POLORIZATION	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 3 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.

WIND AND ICE LOADING

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 100mph

** Half Wind 50mph

MECHANICAL SPECIFICATIONS

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

Wade Antenna's ongoing policy of continuing development may result in specification changes to its products.