



HIGH BAND DIAMOND QUAD ARRAY MODEL:

- WL 7-13/DQ

DIAMOND QUAD

This rugged array combines high gain with narrow vertical and horizontal beam width. Engineered for maximum gain and superior side lobe performance, this array will significantly reduce the level of interfering signals. Where specific sources of interference can be identified, a custom designed array will ensure optimum rejection.

SPECIFICATIONS:

ELECTRICAL

Specification	WL 7-13/DQ
FREQUENCY RANGE	174-216 MHz
CHANNELS	7 To 13
GAIN	17.5 dBi
IMPEDANCE	75 Ohm
VSWR	<1.3:1
FR:BK RATIO	>25 dB
POLARIZATION	H or V
H. BEAM WIDTH	22 deg.
V. BEAM WIDTH	24 deg.
SIDE LOBE SUPPRESSION	>28 dB
CONNECTORS**	"F" Connector
STD. MOUNT	1/2" U-Bolts to Fit 3" O.D. Pipe

*These standard arrays have been designed for maximum forward gain and best overall sidelobe performance. where interfering signals such as co-channel, adjacent channel and ghosting are present, custom arrays can be designed to significantly reduce the level of interference.

WIND AND ICE LOADING

Specification	WL 7-13/DQ
BOOM LENGTH	96 "
WEIGHT (LBS):	
NO ICE*	230
1" RADIAL ICE**	772
WIND LOAD (LBS):	
NO ICE*	290
1" RADIAL ICE**	282
WIND TORQUE (Ft-Lbs):	
NO ICE*	1580
1" RADIAL ICE**	1128

*WIND SPEED 100 MPH

**HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.

A qualified structural engineer should be consulted prior to mounting an antenna on a tower or a support structure.

Wade Antenna, Inc.

29 Sharp Road
Brantford, Ontario, N3T 5L8 Canada
Tel: 519.756.7157
Fax: 519.756.5056

(800) 463-1607
sales@wadeantenna.com

www.wadeantenna.com