



LOW BAND DIAMOND QUAD ARRAY MODELS:

- WL 2-4/DQ
- WL 3-5/DQ
- WL 4-6/DQ
- WL 6-FM/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 known sources of interference can be identified, a custom designed array will assure maximum rejection.

SPECIFICATIONS:

ELECTRICAL

Specification	WL 2-4/DQ	WL 3-5/DQ	WL 4-6/DQ	WL 6-FM/DQ
FREQUENCY RANGE	54-72 MHz	60-82 MHz	66-105 MHz	82-108 MHz
CHANNELS	2,3&4	3,4&5	4,5&6	6&FM
GAIN	15 dBi	15 dBi	15 dBi	15 dBi
IMPEDANCE	75 Ohm	75 Ohm	75 Ohm	75 Ohm
VSWR	<1.3:1	<1.3:1	<1.3:1	<1.3:1
FR:BK RATIO	>25 dB	>25 dB	>25 dB	>25 dB
POLARIZATION	H or V	H or V	H or V	H or V
H. BEAM WIDTH	27 deg.	25 deg.	25 deg.	25 deg.
V. BEAM WIDTH	32 deg.	30 deg.	30 deg.	30 deg.
SIDE LOBE SUPPRESSION	>28 dB	>28 dB	>28 dB	>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 reduce the level of interference by as much as 40 db in most cases.

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

SPECIFICATIONS:

WIND AND ICE LOADING

Specification	WL 2-4/DQ	WL 3-5/DQ	WL 4-6/DQ	WL 6-FM/DQ
BOOM LENGTH	144"	144"	128"	137"
WEIGHT (LBS):				
NO ICE*	600	600	560	568
1" RADIAL ICE**	1505	1505	1337	1350
WIND LOAD (LBS):				
NO ICE*	630	630	557	590
1" RADIAL ICE**	545	545	485	510
WIND TORQUE (Ft-Lbs):				
NO ICE*	3433	3433	3036	3125
1" RADIAL ICE**	3052	3052	2425	2480

*WIND SPEED 100 MPH

**HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.

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