

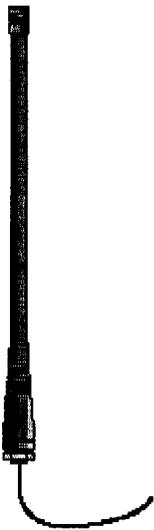
# Linx Technologies Antenna Selection Chart

## Linx "Whip" Style 1/4-Wave Antennas

Quarter-wavelength monopole antennas yield the best performance of any antenna style offered by Linx. When referenced to an appropriate groundplane, these antennas are highly efficient with excellent pattern symmetry and minimal proximity detuning.

**\*PLEASE NOTE\*** While exact center frequencies are specified below, whip-style antennas are generally broadband and provide about 40 MHz of usable bandwidth.

### PW Series Quarter Wave



Designed for permanent attachment, PW series 1/4-wave whips give outstanding performance in a rugged and cost-effective package. The antenna is attached by placing its base through a 1/4" hole in the product and securing it with a nut or by threading it into a PEM-style insert. This method of attachment is highly secure and saves the cost of an antenna connector. The antenna is fed through the base with RG-174 coax cable which may be soldered directly to the board or attached using a 50-ohm connector. Standard cable length is 8.5". Custom lengths and terminations are available by special order.

- >> Low Cost
- >> Outstanding VSWR (<1.2 typ.)
- >> Excellent performance
- >> Omni-directional pattern
- >> Flexible main shaft
- >> Rugged construction

### CW Series Quarter Wave



CW series antennas feature an FCC Part 15-compliant Reverse Polarity SMA connector. This allows for easy field replacement and simplifies packaging and shipment. Like the PW series, these antennas deliver outstanding performance in a rugged and cosmetically attractive package. Linx offers a wide variety of PCB and chassis-mount RP-SMA mating connectors.

- >> Fully weatherized
- >> Damage-resistant
- >> Permanent stud-mount or Part 15-compliant RP-SMA connectorized style
- >> Available in Grey, Black or Custom Colors
- >> Use with plastic\* or metal enclosures

\* Requires proximity groundplane

PW Series Quarter Wave		
Frequency	Part #	Length
400-420 MHz	ANT-418-PW-QW	6.9"
425-450 MHz	ANT-433-PW-QW	6.7"
902-928 MHz	ANT-900-PW-QW	2.9"

CW Series Quarter Wave		
Frequency	Part #	Length
400-420 MHz	ANT-418-CW-QW	
425-450 MHz	ANT-433-CW-QW	
902-928 MHz	ANT-900-CW-QW	

## RH Series Reduced Height

Significantly smaller than our larger whips, the RH series is ideally suited for products where cosmetic or functional requirements dictate a compact, aesthetically pleasing antenna. The antenna features a Part 15-compliant reverse polarity SMA connection which mates with all Linx PCB and chassis-mount RP-SMA mating connectors.

Frequency	Part #	Length
305-320 MHz	ANT-315-CW-RH	
400-420 MHz	ANT-418-CW-RH	
425-450 MHz	ANT-433-CW-RH	
902-928 MHz	ANT-900-CW-RH	

- >> Reduced height helical whip
- >> Very low VSWR (<1.9 typ.)
- >> Excellent performance
- >> Omni-directional pattern
- >> Flexible main shaft
- >> Rugged construction
- >> Fully weatherized
- >> Damage-resistant
- >> Part 15-compliant RP-SMA connector
- >> Use with plastic\* or metal enclosures

\* Requires proximity groundplane

