

3.3-3.8 GHZ WIRELESS BASE STATION SECTOR ANTENNA

Laird Technologies' J340 wireless access hub antennas provide high-gain performance in the 3.4 to 3.6 GHz band. These antennas come in a choice of 30°, 45°, 60°, and 90° beamwidths and are designed using a highly automated process that takes advantage of advanced EM analysis and artificial intelligence to insure that the highest level of performance is achieved for a given package size. These antennas represent the state-of-the-art in antenna design offering levels of efficiency and pattern that are not achievable by any other means. Shaped vertical patterns (cosecant²) eliminate nulls and provide uniform coverage as a function of range. Down tilt is achieved mechanically, while null-fill is a function of the electrical design. Shaped azimuth patterns insure uniform sector coverage, reducing spillover into adjacent cells and low front-to-back ratio. Cross polar rejection exceeds 20 dB.

FEATURES

- Rugged carrier class antenna
- Designed to accommodate any broadband wireless access system or base station application
- Provides system operators with real world system enhancements through interference rejection and frequency re-utilization

MODEL	GAIN	POLARIZATION	AZIMUTH
J34021H50-30N	21 dBi	Horizontal	30°
J34021V50-30N	21 dBi	Vertical	30°
J34019H50-45N	19.5 dBi	Horizontal	45°
J34019V50-45N	19.5 dBi	Vertical	45°
J34018H50-60N	18 dBi	Horizontal	60°
J34018V50-60N	18 dBi	Vertical	60°
J34016H50-90N	16 dBi	Horizontal	90°
J34016V50-90N	16 dBi	Vertical	90°

PARAMETER	SPECIFICATIONS*
Frequency	3.4 - 3.6 GHz
Gain flatness	±0.5
Weight (antenna only) lb. (kg)	27 (12.3)
VSWR	1.5:1
Mounting Style	Mast
Dimensions	36" x 19" x 12"
Windload (operational)	300lbs @ 110mph
Enclosure	Aluminum
Power	450 watts
RF connector	N (female)

*Typical performance for 90 degree horizontal

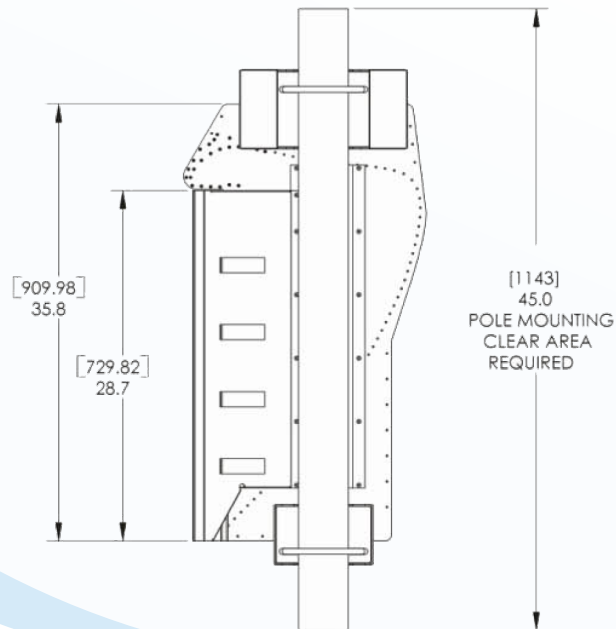
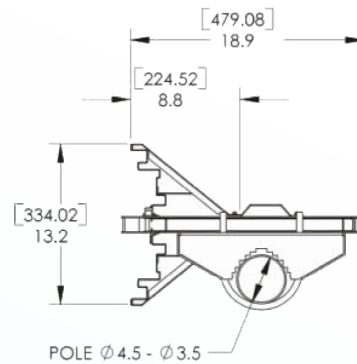
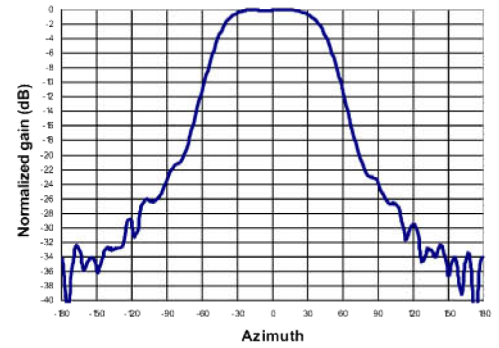
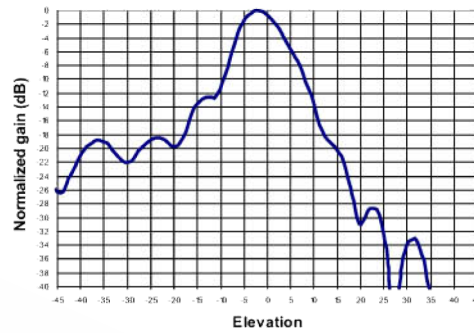
global solutions: local support™

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com



ANT-DS-J340 0609

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2009 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.