

Airgain®))

Available Part Numbers*
 A2430GN
 A2430GN-100
 A2430GN-100U
 A2430GN-100C



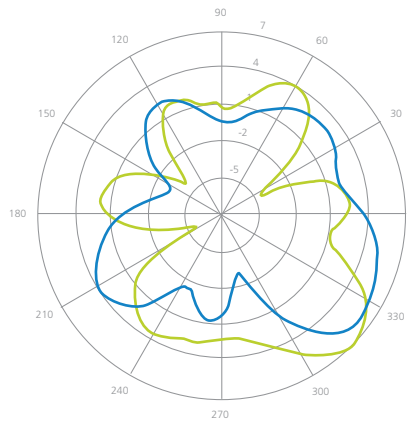
Profile 30 Antenna

Embedded antenna system for access points, routers & gateways

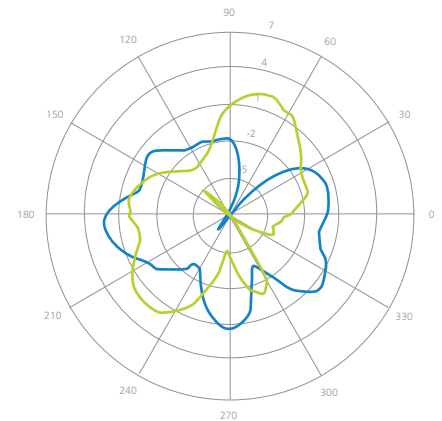
The Airgain Profile30 antenna provides a high gain, on-board antenna solution for Wi-Fi and ISM band applications. In comparative performance testing using a typical wireless router, the Profile30 antenna-based system provided up to 5mbps greater throughput (orientation dependent) than the same router using a conventional external dipole antenna. The Profile30 antenna was designed to accommodate most WLAN access point applications, such as routers and gateways.

ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



FEATURES

- Supports 802.11b/g and n applications
- Up to 6dBi of peak gain
- Low cost, low profile design

BENEFITS

- Eliminates external dipole antennas without sacrificing performance
- Simplify product design and improve time to market
- Superior performance in both vertical and horizontal orientations

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***Part # Extensions:**

###: cable length in mm (custom lengths avail.) U: includes U.FL connector(s) C: Ferrite Core with U.FL connector(s)

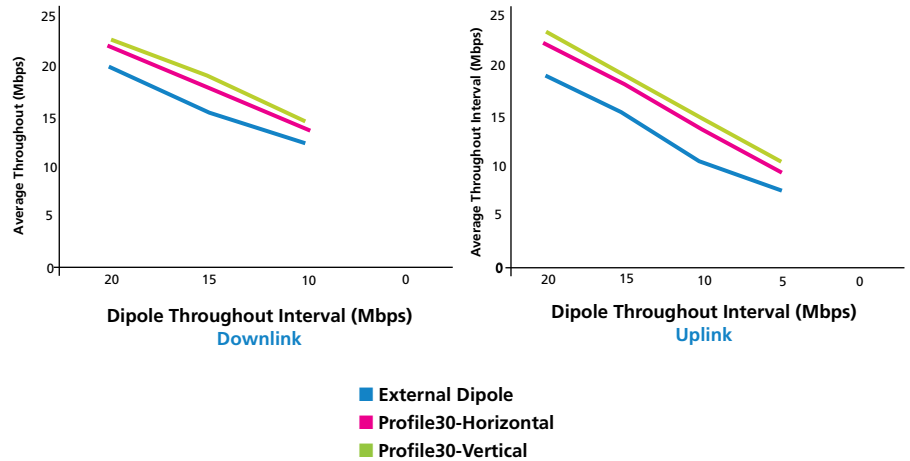
Expanding the Range of Wireless Possibilities



PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11 b/g/n
Frequency Band	2.4 to 2.497 GHz
Peak Gain	6.0 dBi
VSWR	2.0:1 Max
Polarization	Linear, diagonal
Dimensions	71.3 x 2 x 14.6 mm
Feed Impedance	50 Ohms
Power Handling	30 dBm
Mounting	Standard through-hole mounting
Temperature	Operating: 0 to 60°C; Storage -20 to 70°C
Humidity	Operating: 0 to 70%; Storage 0 to 95% non-condensing
Compliance	FCC Part 15 Class B; RoHS compliant
Chipsets	Available for use with all major chipsets

THROUGHPUT COMPARISON

Profile30 System vs. External Dipole



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