

Airgain)))

Available Part Numbers*
 A2460S
 A2460S-100
 A2460S-100U
 A2460S-100C



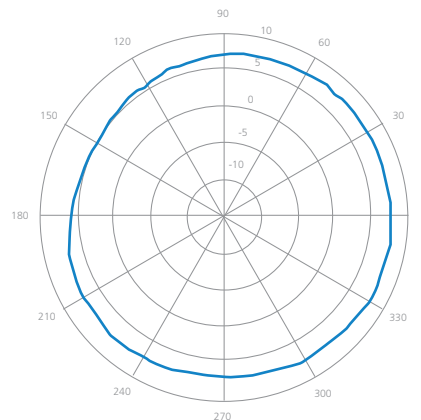
Profile 60 Antenna

High gain dual band, dual feed antenna for MIMO devices

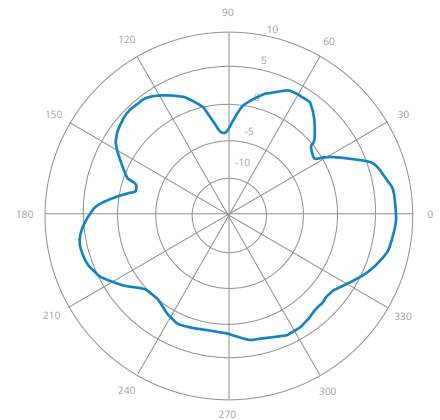
The Airgain Profile60 is a high gain directional antenna that provides up to 6.0dBi of peak gain. Designed to provide peak performance for access points, routers, and gateways and client devices, the Profile60 provides up to 4.0dBi greater gain, or 150% greater signal strength, than a conventional dipole antenna. The Profile60 is compatible with all 802.11 b/g and draft-N standard equipment and is available on multiple chip set platforms. The complete antenna subsystem can be easily integrated into existing form factors, eliminating the need for external antennas and ports while providing superior performance.

ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



FEATURES

- Fully compatible with 802.11 b/g and new draft-N equipment
- Peak gain of 6dBi
- On-board or case mount can be easily integrated into existing form factors

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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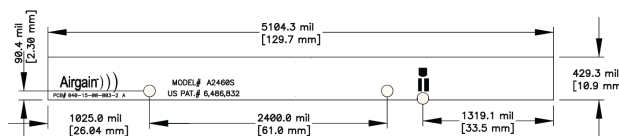
*Part # Extensions:

###: 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

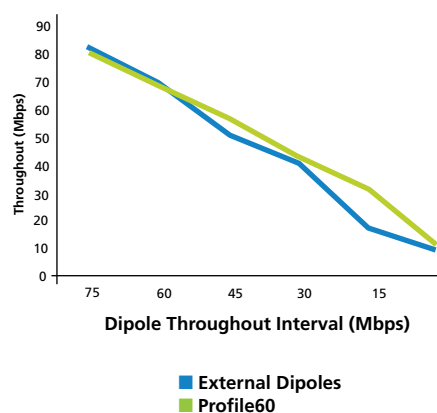
PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11 b/g/n
Frequency Band	2.4 to 2.497 GHz
Peak Gain	6.0 dBi
VSWR	2:1 Max
Polarization	Linear, vertical
Dimensions	130L x 11H x 2W mm
Feed Impedance	50 Ohms
Power Handling	30 dBm
Mounting	On-board or case mount
Temperature	Operating: 0 to 60°C; Storage -20 to 70°C
Humidity	Operating: 0 to 70%; Storage 0 to 95% non-condensing
Compliance	FCC Part 15 Class B; RoHS compliant

MECHANICAL DIMENSIONS



MIMO THROUGHPUT COMPARISON

Profile60s vs. External Dipoles



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