



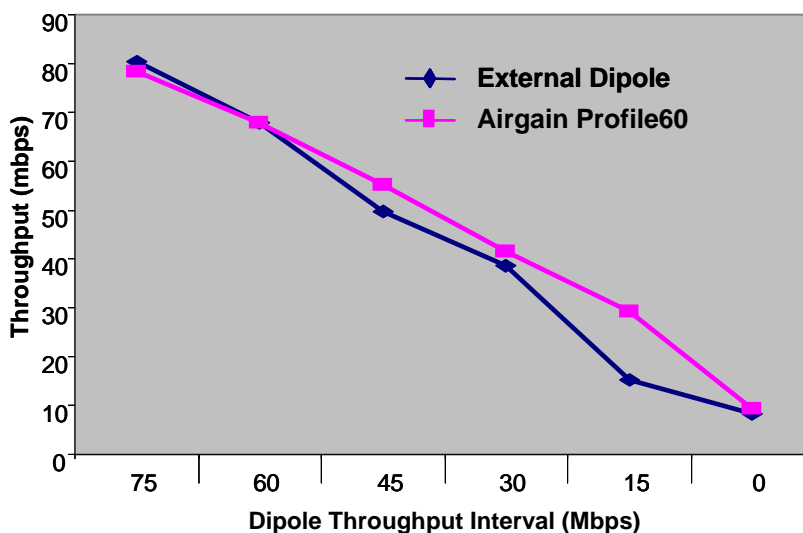
The Profile60 antenna solution delivers greater performance than external dipole antennas with a simple embeddable design

Profile60 Antenna

High gain embedded antenna for access points and client 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 sub-subsystem can be easily integrated into existing form factors, eliminating the need for external antennas and ports while providing superior performance.

MIMO Throughput Comparison: Profile60s vs. External Dipoles



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

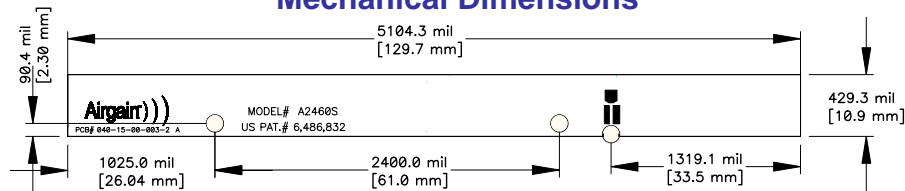
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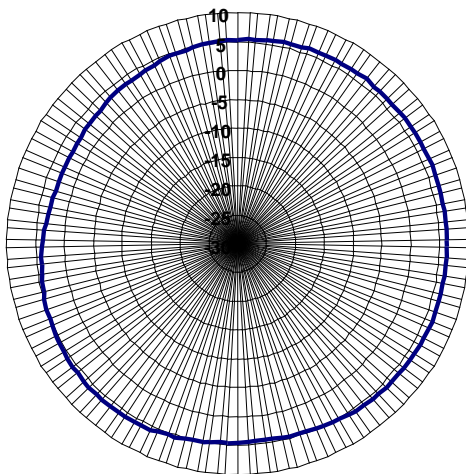
Product Specifications

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

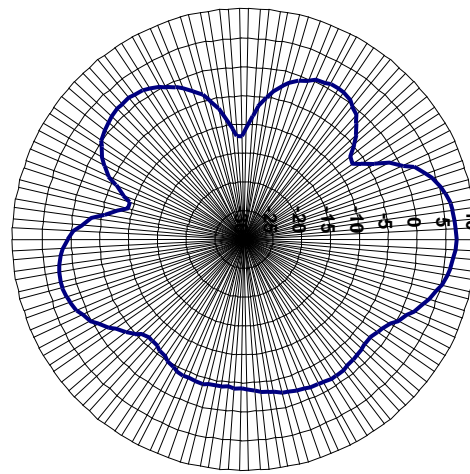
Mechanical Dimensions



Azimuth



Elevation



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