



Profile60D Embedded Antenna

High gain Dual Band antenna for MIMO devices

The Airgain Profile60D is a high gain dual band antenna that provides up to 6.0dBi of peak gain. Designed to provide peak performance for routers, gateways and client devices, the Profile60D provides the flexibility of an embedded antenna with top performance, providing up to 150% greater signal strength than a conventional dipole antenna. The Profile60D supports dual band transmission in the 2.4GHz and 5GHz bands, and can accommodate concurrent transmission when integrated in a diplexer-based system. 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..

The Profile60D dual band high gain antenna delivers greater performance than external dipole antennas with a simple embeddable design

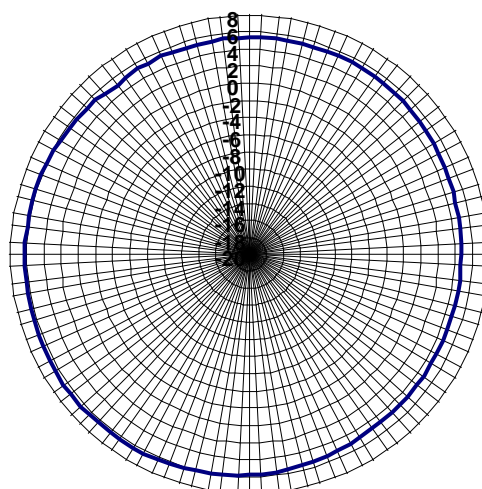
Features

-))) Fully compatible with 802.11b/g/a and 802.11n equipment
-))) Peak gain 6dBi at 2.4GHz; 4dBi at 5.2GHz
-))) On-board or case mount can be easily integrated into existing form factors

Benefits

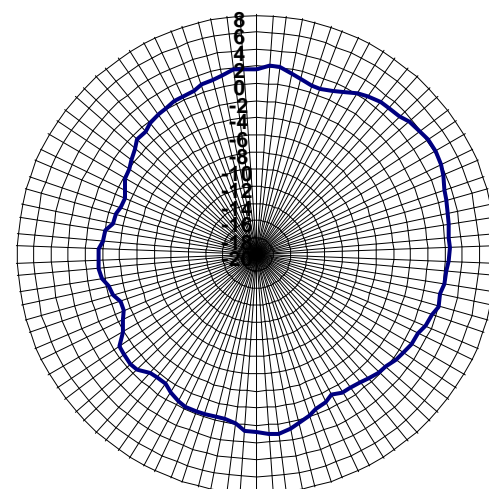
-))) Eliminates external dipole antennas without sacrificing performance
-))) Can be mounted on external case, simplifying ID design and shortening product development cycle
-))) Superior performance in both vertical and horizontal orientations

2.4GHz



Azimuth

5.8GHz



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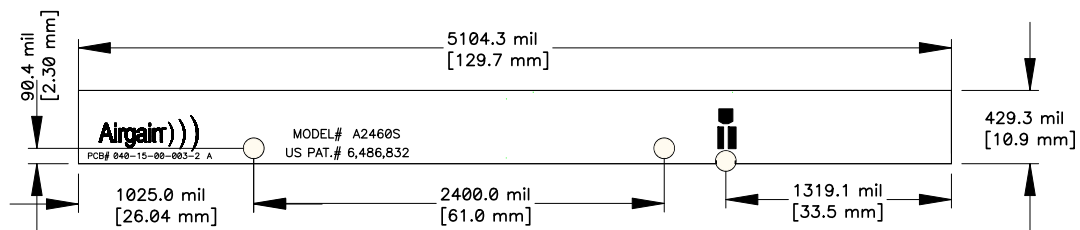
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Product Specifications

Standard	IEEE 802.11b/g/a and 802.11n
Frequency Band	2.4 to 2.49 GHz and 4.9 to 5.7 GHz
Peak Gain	6.0 dBi @2.44GHz, 4.0 dBi @5.2GHz (excludes 1dB cable loss)
VSWR	2:1 Max
Polarization	Linear, vertical
Dimensions	130L x 11H x 1W mm
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	One set of soldering pads for 50 ohm, 1.13mm diameter, micro coax cable
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



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