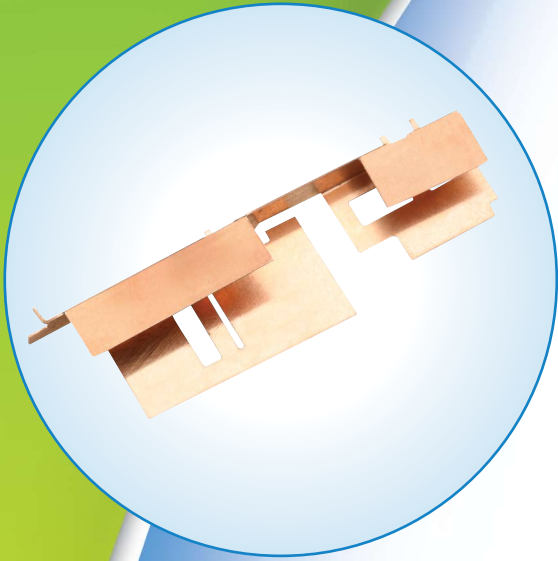


Airgain)))

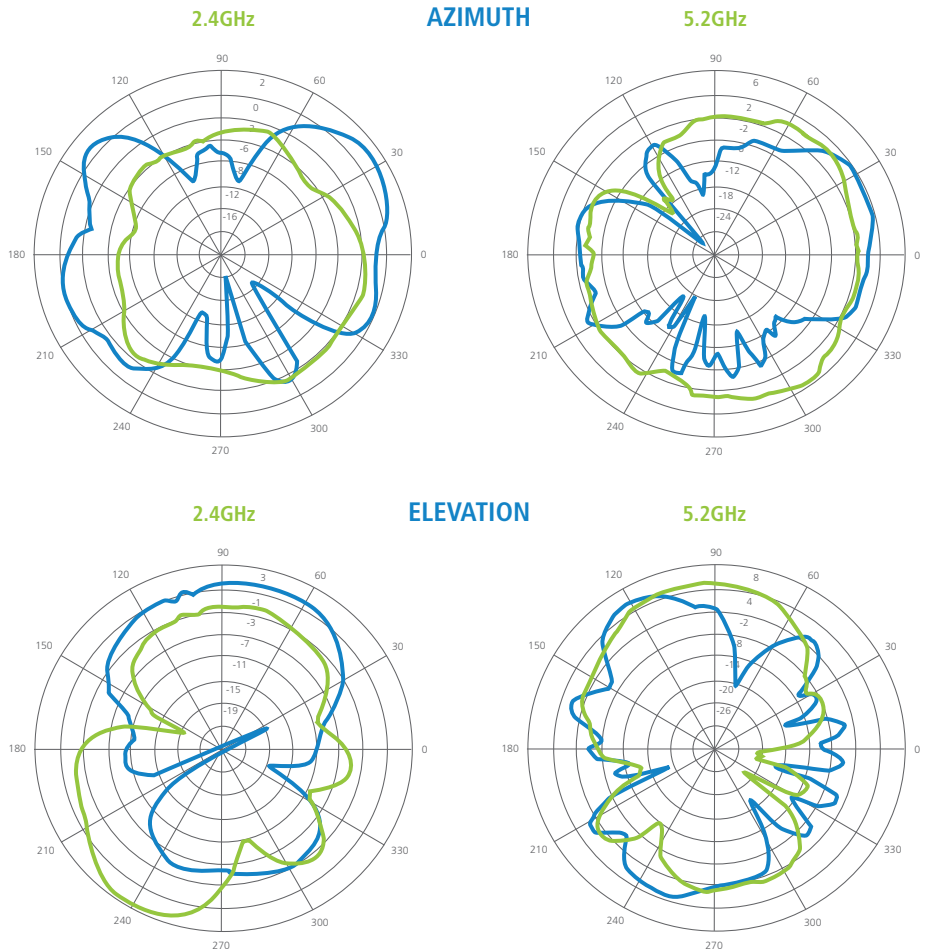


Ultra 50DB Antenna

High gain, PCB mounted embedded antenna for easy integration

Based on Airgain's patented technology, the Ultra 50DB dual band embedded antenna provides a high efficiency, embedded antenna solution for Wi-Fi and ISM band applications. As embedded antenna solutions become the focus of next generation wireless product design, the Ultra 50DB provides the flexibility of an embedded antenna with top performance. This antenna was designed to accommodate most WLAN access point applications, such as routers and gateways. The Ultra 50DB can be easily integrated on to a board in a product design.

ANTENNA RADIATION PATTERNS



FEATURES

- ▶ 802.11 a/b/g/n standard-compatible
- ▶ On-board mounting with consistent performance along any board edge
- ▶ 4 dBi peak gain

BENEFITS

- ▶ Eliminates external dipole
- ▶ Enables quick integration
- ▶ Achieves high efficiency

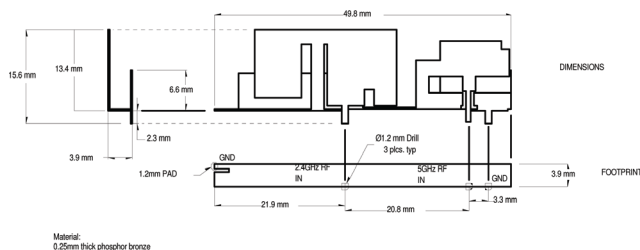
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Expanding the Range of Wireless Possibilities

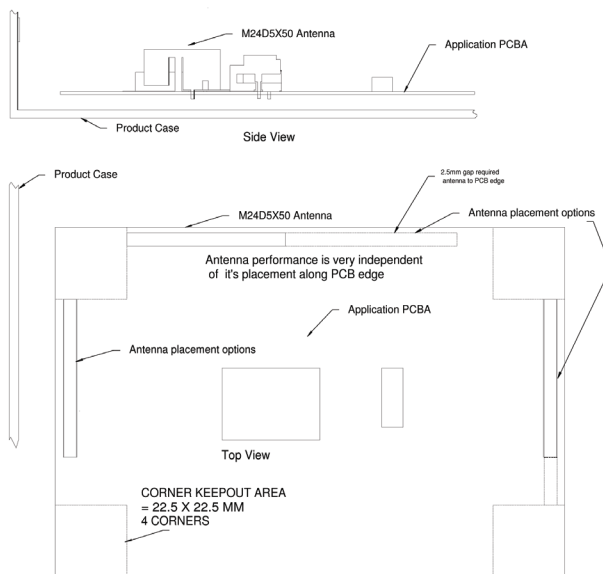
PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11a/b/g/n
Frequency Band	2.4 to 2.49 GHz, 4.9 to 5.9GHz
Peak Gain	4.0 dBi @2.44GHz, 4.0 dBi @5.2GHz
VSWR	2:1 Max
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	2 Through Hole soldering pins for 50 ohm, Microstripline pcb traces
Dimensions	4 x 13.4 x 49.8 (mm)
Weight	1 g (0.04 oz)

MECHANICAL DIMENSIONS



MOUNTING

Ultra 50DB antennas can be simply mounted on a printed circuit board. This simplifies ID design and also shortens product cycle. Antenna performance remains consistent over different mounting locations along all edges of the application PCB.



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