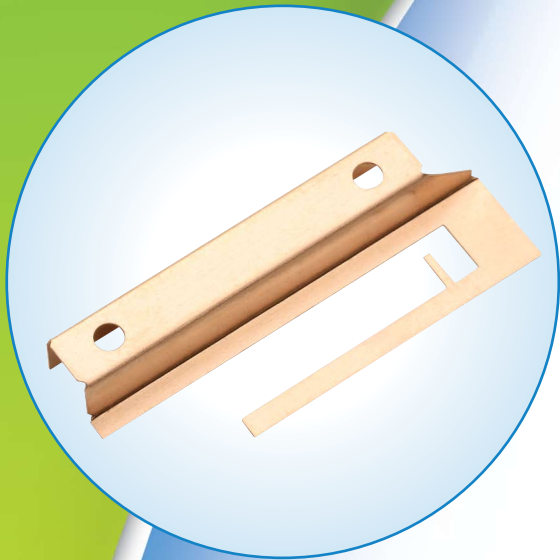


Airgain)))



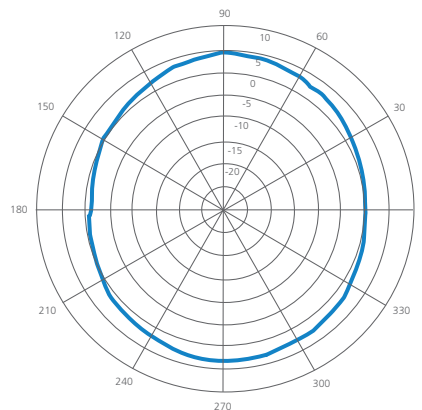
Ultra 45 Antenna

High gain, stamped metal embedded antenna for easy integration

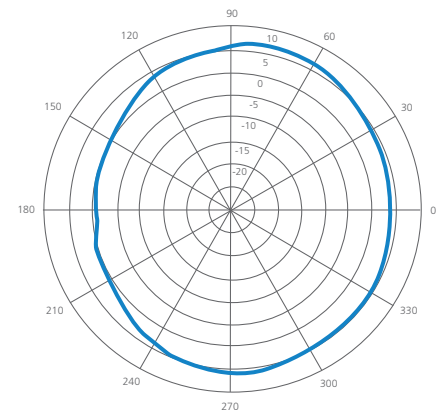
Based on Airgain's patented technology, the Ultra 45 Embedded Antenna provides a high gain, embedded antenna solution for Wi-Fi and ISM band applications. As embedded antenna solutions become the focus of next generation wireless product design, the Ultra 45 provides the flexibility of an embedded antenna with top performance. This antenna was designed to accommodate most WLAN access point applications, such as routers and gateways. The Ultra 45 can be easily integrated on to a board or into an ID design.

ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



FEATURES

- › 802.11 b/g/n standard-compatible
- › On-board mount or case mounting
- › 5 dBi peak gain

BENEFITS

- › Eliminates external dipole
- › Enables quick integration
- › Achieves high performance

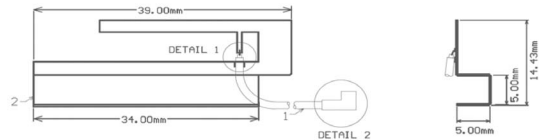
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Expanding the Range of Wireless Possibilities

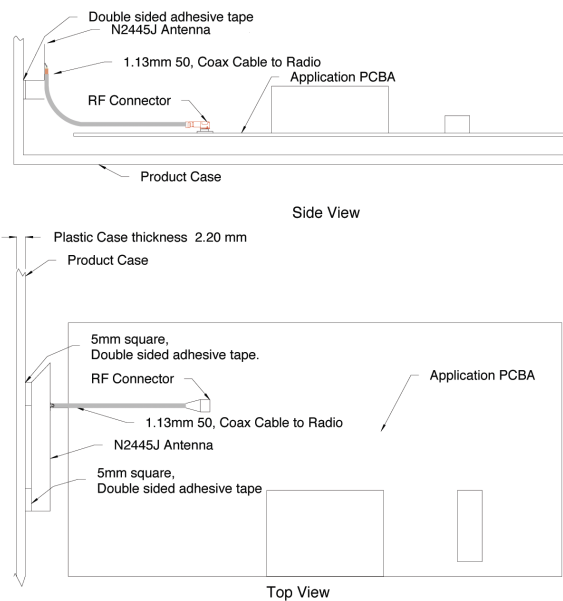
PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11b/g/n
Frequency Band	2.4 to 2.49 GHz
Peak Gain	5.0 dBi
VSWR	2:1 Max
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	Soldering pads for 50 ohm, 1.13mm diameter, micro coax cable
Dimensions	5 x 14.4 x 39 (mm)
Weight	1 g (0.04 oz)

MECHANICAL DIMENSIONS



MOUNTING

Ultra 45 antennas can be simply mounted on a case. This simplifies ID design and also shortens product cycle.



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