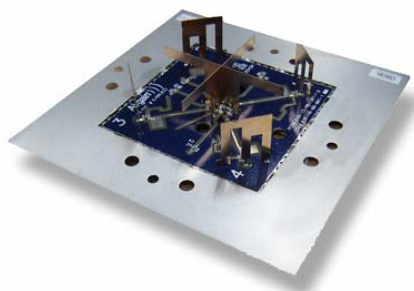


MaxBeam75 Smart Antenna

For use in 802.11g Access Points, Routers and Gateways

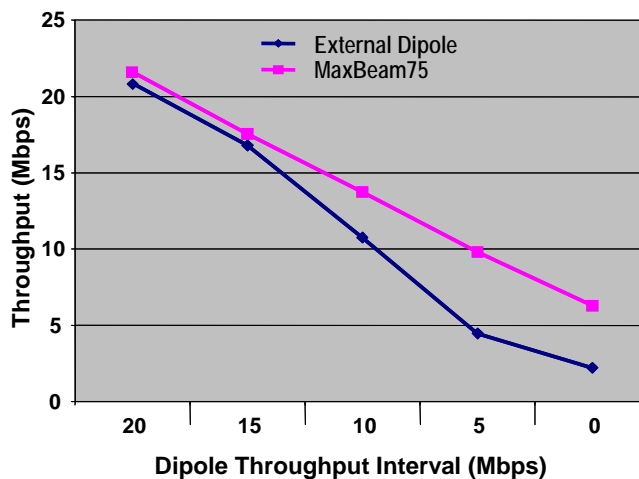


The MaxBeam75 smart antenna utilizes patented beam forming technology to provide triple the signal strength, double the coverage, better throughput and connection availability, and reduced interference over conventional dipole antennas



The Airgain MaxBeam75 smart antenna utilizes patented beam forming technology to deliver up to 300 percent greater signal strength and receive sensitivity than conventional antenna solutions. The unprecedented antenna gain and coverage pattern of the MaxBeam75 smart antenna is based on combining the benefits of multiple antenna elements with rapid automatic antenna switching. It features 10 individual antenna beams that provide superior horizontal and vertical coverage optimized for use in multi-story homes and offices. Its unique design allows for integration inside most wireless access points, routers and gateways, eliminating the need for external antenna ports. The MaxBeam75 smart antenna requires access to a parallel 6-pin connector to drive the high performance antenna steering and is available for use with either an MMCX connector or 3" RG178 cable with U.FL

Throughput Comparison: MaxBeam75 vs. External Dipoles



Features

-))) Fully compatible with 802.11 b/g standard equipment
-))) 10 individual antenna beams provide 360° coverage
-))) Complete antenna sub-subsystem can be easily integrated into existing form factors
-))) Available for use on multiple chipset platforms

Benefits

-))) Provides faster throughput, reduced dead spots, and increased wireless range
-))) Significantly reduces interference from and to neighboring networks
-))) Provides superior horizontal and vertical coverage optimized for Indoor performance
-))) Easily supports multiple wireless clients simultaneously

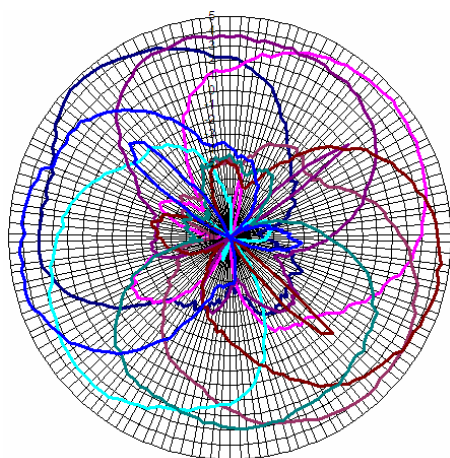
Airgain USA
 sales@airgain.com
 1930 Palomar Point Way, Suite 107
 Carlsbad, CA, 92008
 +1 760 579 0200

Airgain Taiwan
 asiasales@airgain.com
 2F, No. 183, Zhouzi St., Neihu District
 Taipei City 114 Taiwan (R.O.C.)
 +88 622 659 8846

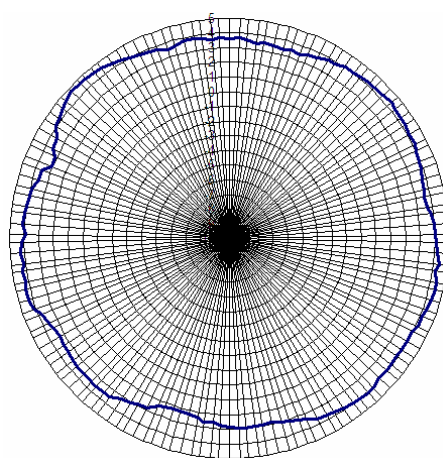
Product Specifications

Standard	IEEE 802.11b/g
Frequency Band	2.4 to 2.497 GHz
Peak Gain	7.0 dBi
VSWR	1.6:1 Max
Polarization	Linear, Vertical
Dimensions	90 x 90 x 23 (mm)
Weight	40 g (1.41oz)
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	Control Connector: 6-pin connector (female); RF Connector: MMCX or RG178 cable via U.FL
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
Chipsets	Available for most 802.11b/g chipsets

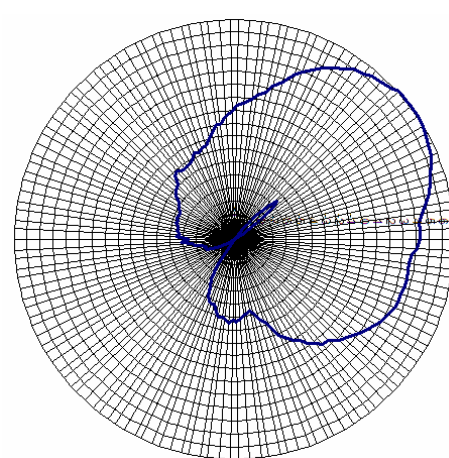
Individual Beams



Azimuth (Aggregate)



Elevation



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