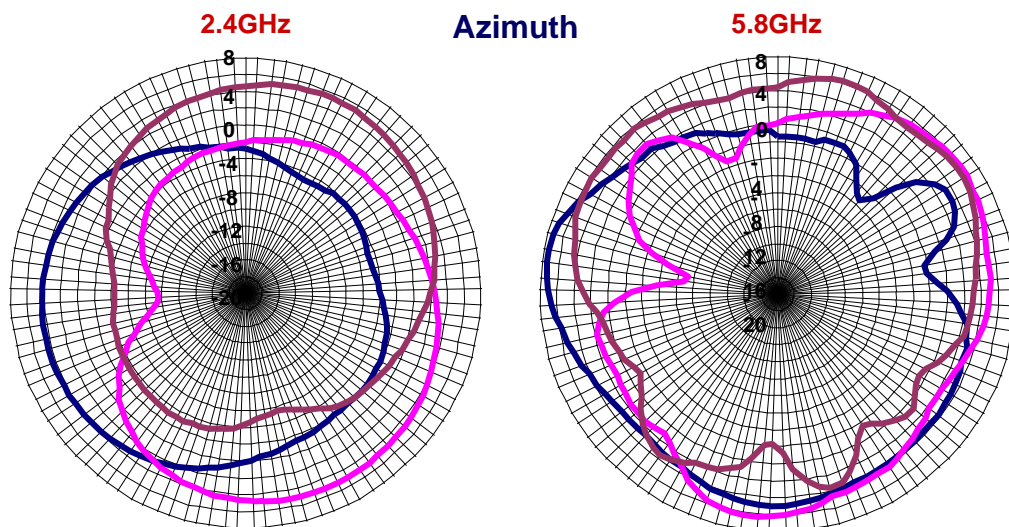


The MaxBeam80N delivers greater performance from MIMO systems while eliminating the need for external dipole antennas

MaxBeam80N Smart Antenna

Dual Band MIMO Smart Antenna for 2 and 3 radio configurations

The MaxBeam80N MIMO smart antenna utilizes patented beam forming technology to deliver up to 200 percent greater signal strength and receive sensitivity than conventional dipole solutions. The MaxBeam80N's superior performance is derived by combining the benefits of three high gain directional antenna elements with high isolation between each beam. This directionality and high isolation improves the SNR in MIMO channels while enhancing channel modes, increasing the range and throughput of 802.11n devices. The MaxBeam80N supports non-concurrent dual band transmission in the 2.4GHz and 5.8GHz bands and is compatible with 802.11n systems in two and three radio configurations. Its unique design also allows for integration in access points, routers and gateways, eliminating the need for external antennas.



Features

-))) 3 Element/3 Cable Directional MIMO Antenna (Patent Pending)
-))) Dual band antenna system with peak gain of 8.0 dBi at 5.8GHz; 6.0 dBi at 2.4GHz
-))) Can be enabled for concurrent transmission with the use of duplexers
-))) Compatible with 802.11n standard chipsets in 2x3 and 3x3 combinations

Benefits

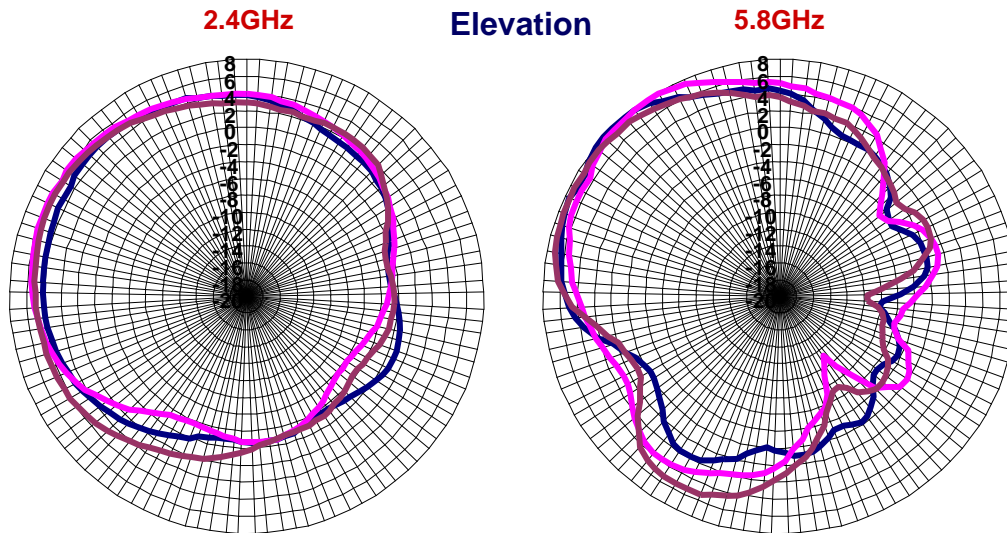
-))) Provides faster throughput, reduced dead spots, and increased wireless range
-))) Provides extended range without increasing radiated power
-))) Provides superior horizontal and vertical coverage optimized for Indoor performance
-))) Antenna sub-subsystem can be easily integrated into new & existing form factors

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 802.11n (Draft), 802.11b/g/a
Frequency Band	2.4 - 2.49 GHz and 5.75 - 5.85 GHz
Peak Gain	8.0 dBi at 5.8GHz; 6.0 dBi at 2.4GHz
VSWR	2:1 Max
Polarization	Linear, Vertical
Dimensions	90 x 90 x 15 (mm)
Weight	40 g (1.41oz)
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	Three RF Cables via U.FL connectors or solder
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 major Draft-N and MIMO chipsets



Information in this document is provided in connection with Airgain™ products. No license, express or implied, to any intellectual property rights is granted by this document. Except as provided in Airgain's Terms and Conditions of Sale for such products, Airgain assumes no liability whatsoever, and Airgain disclaims any express or implied warranty, relating to sale and/or use of Airgain products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Airgain may make changes to specifications and product descriptions at any time, without notice. For the most current product information, please visit:

www.airgain.com

Copyright © 2007, Airgain, Inc. All rights reserved.
Airgain and the Airgain logo are trademarks of Airgain, Inc.
DS/MB80N/1107