

Airgain)))

Available Part Numbers*
 B24755C000
 B24755C000-100
 B24755C000-100U
 B24755C000-100C



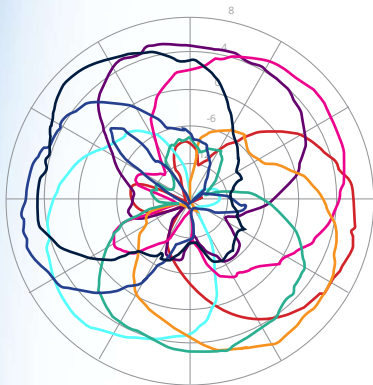
MaxBeam 75 Antenna

MaxBeam75 smart antenna for use in 802.11g access points, routers and gateways

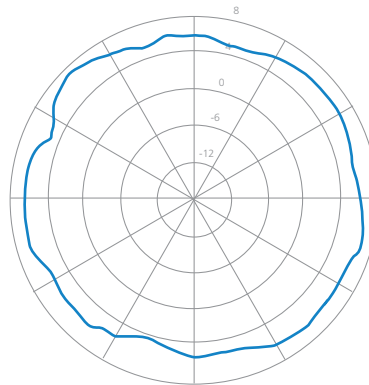
The MaxBeam75 smart antenna utilizes patented SmartGain™ beam forming technology to deliver triple the signal strength and receive sensitivity than conventional dipole antennas. The unprecedented antenna gain and coverage pattern of the MaxBeam75 is based on combining the benefits of multiple antenna elements with rapid, automatic antenna switching and is ideal for use in multistory homes and offices. The MaxBeam75 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.

ANTENNA RADIATION PATTERNS

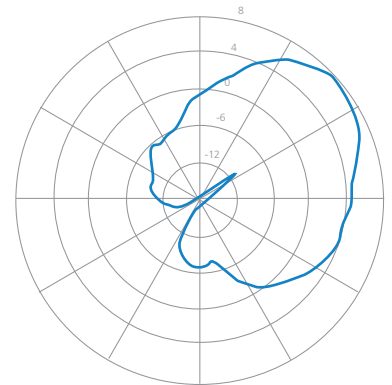
INDIVIDUAL BEAMS



AZIMUTH (Aggregate)



ELEVATION



FEATURES

- › Fully compatible with 802.11b/g and 802.11n equipment
- › 10 individual antenna beams provide 360 degrees coverage
- › Complete antenna 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
 7F, No. 506, Syecian Road
 Shulin City, Taipei County 23853
 Taiwan, R.O.C.
 +2 2929 4460

***Part # Extensions:**

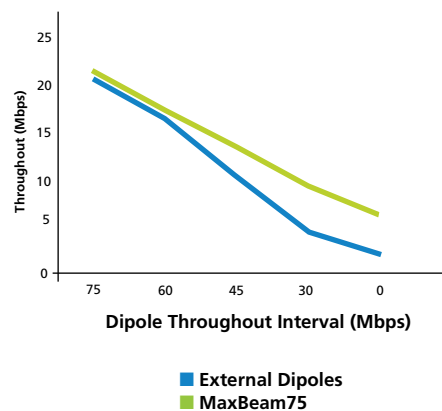
###: cable length in mm (custom lengths avail.) U: includes U.FL connector(s) C: Ferrite Core with U.FL connector(s)

Expanding the Range of Wireless Possibilities

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

THROUGHPUT COMPARISON

MaxBeam75 vs. External Dipoles



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