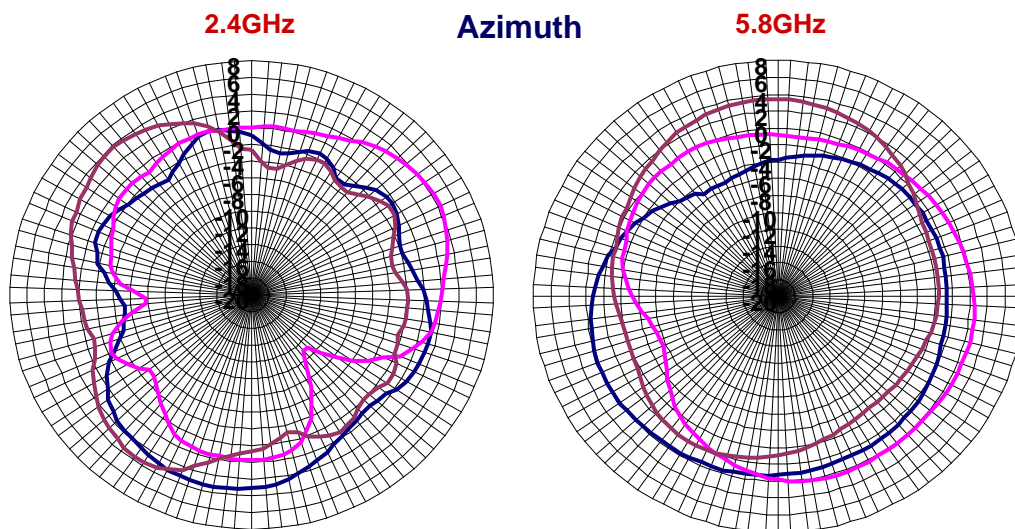


The MaxBeam60N delivers greater performance from MIMO systems while eliminating the need for external dipole antennas

## MaxBeam60ND Smart Antenna

### Concurrent Dual Band MIMO Smart Antenna

The MaxBeam60ND MIMO smart antenna utilizes patented beam forming technology to deliver up to 100 percent greater signal strength and receive sensitivity than conventional dipole solutions. The MaxBeam60ND's superior performance is derived from six 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, thereby increasing the range and throughput of 802.11n devices. The MaxBeam60ND supports concurrent dual band transmission in the 2.4GHz and 5GHz 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

- ))) 6 Element/6 Cable Directional MIMO Antenna (Patent Pending)
- ))) Features peak gain of 6.0dBi at 2.4GHz, 5.1dBi at 5.2GHz; 4.1dBi at 5.8GHz;
- ))) Concurrent dual band transmission without diplexers
- ))) Compatible with 802.11n draft 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

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## Product Specifications

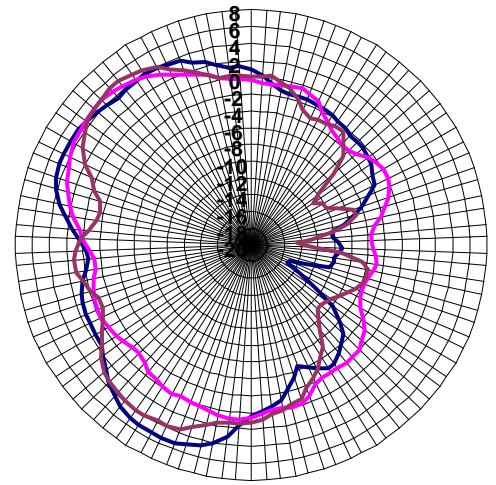
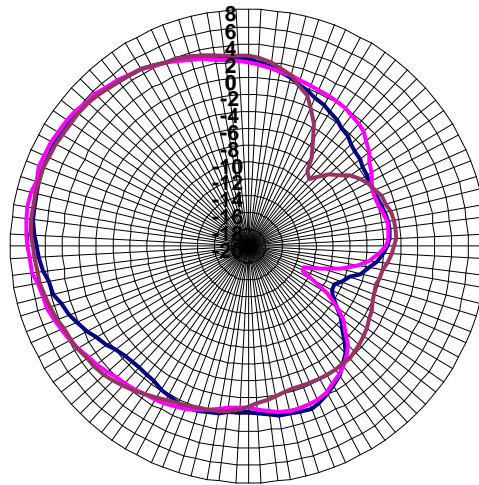
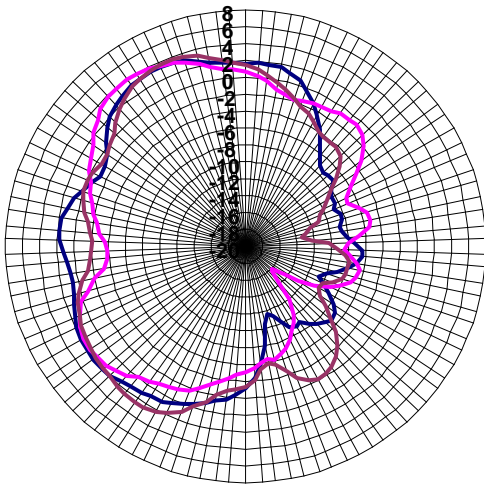
Standard	IEEE 802.11n and 802.11b/g/a
Frequency Band	2.4 to 2.49 GHz and 4.9 to 5.9 GHz
Peak Gain	6.0dBi @2.44GHz, 5.1dBi @5.2GHz, 4.1dBi @5.8GHz
VSWR	2:1 Max
Polarization	Linear, Vertical
Dimensions	90 x 90 x 15 (mm)
Weight	19 g (0.67oz)
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	Six sets of soldering pads for 50 ohm, 1.13mm diameter, micro coax cables
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

### Elevation

2.4GHz

5.2GHz

5.8GHz



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