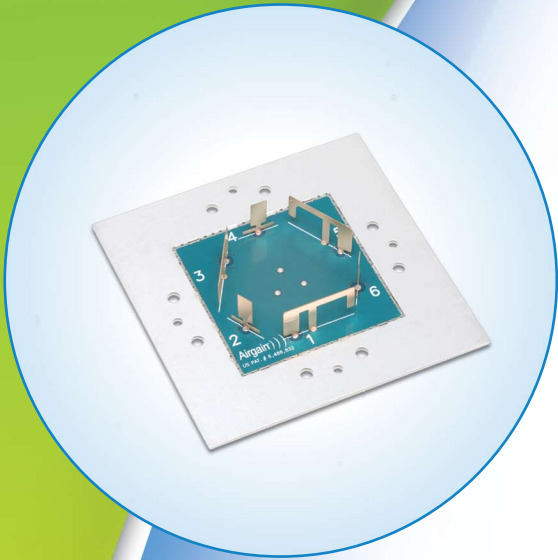


# Airgain

Available Part Numbers\*  
 ND58  
 ND58-100  
 ND58-100U  
 ND58-100C

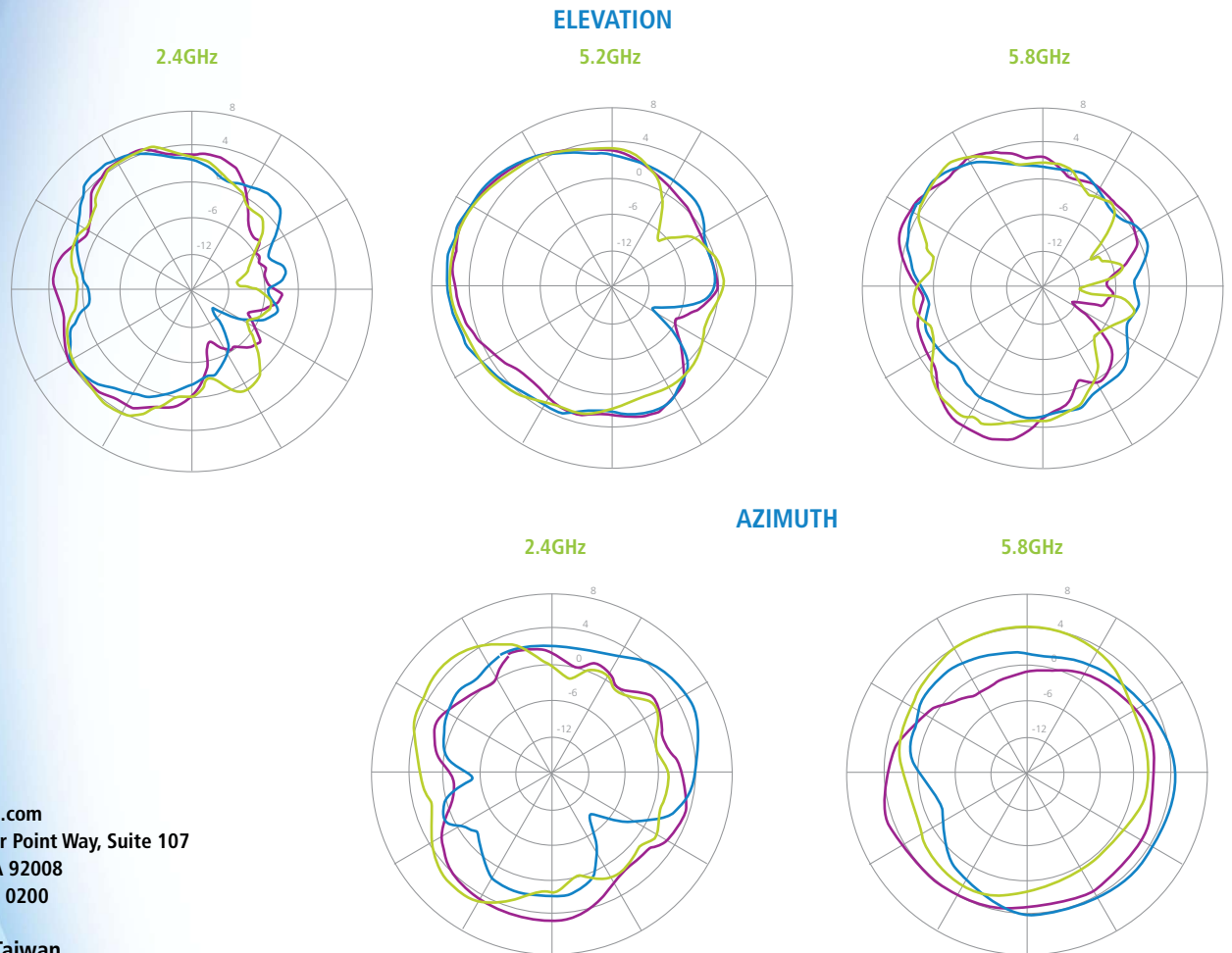


## MaxBeam 60ND Antenna

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 superior performance of MaxBeam60ND 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. Its unique design also allows for integration in access points, routers and gateways, eliminating the need for external antennas.

### ANTENNA RADIATION PATTERNS



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\*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 802.11n 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

## FEATURES

- › Six element/six cable directional MIMO antenna (patent pending)
- › 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
- › Offers extended range without increasing radiated power
- › Delivers superior horizontal and vertical coverage optimized for indoor performance
- › Antenna and subsystem can be easily integrated into new and existing form factors

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