

Airgain)))

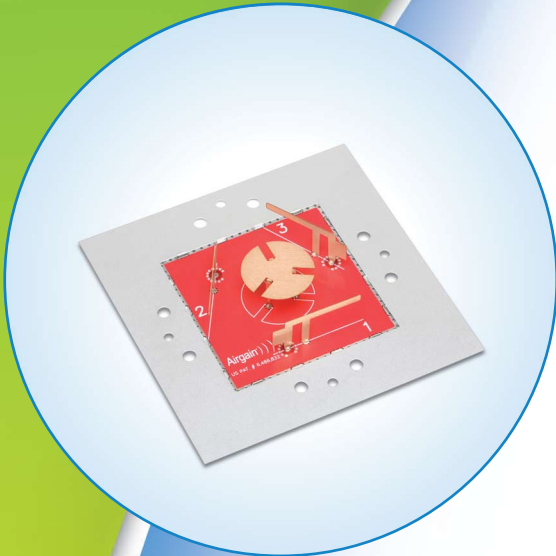
Available Part Numbers\*

N2480

N2480-100

N2480-100U

N2480-100C



## MaxBeam 80N Antenna

Dual band MIMO smart antenna for 2 and 3 radio configurations

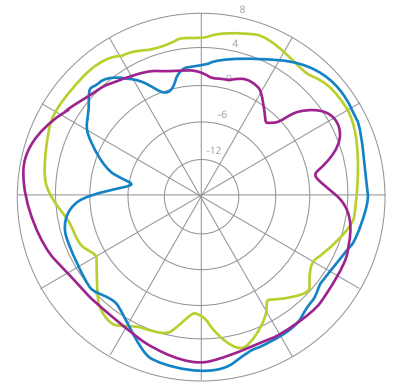
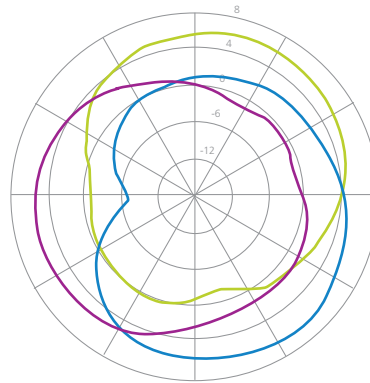
The MaxBeam80N MIMO smart antenna utilizes patented beam forming technology to deliver up to double the signal strength and receive sensitivity than conventional dipole solutions. The superior performance of MaxBeam80N is derived by combining the benefits of three high gain directional antenna elements 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. Its unique design also allows for integration in access points, routers and gateways, eliminating the need for external antennas.

### ANTENNA RADIATION PATTERNS

2.4GHz

AZIMUTH

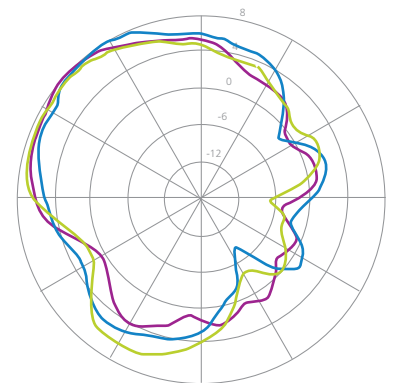
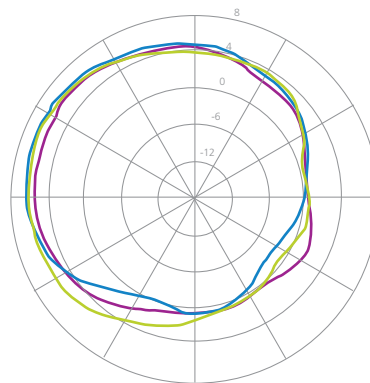
5.8GHz



2.4GHz

ELEVATION

5.8GHz



\*Part # Extensions:

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

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Expanding the Range of Wireless Possibilities

| 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 |

## FEATURES

- Three element/three cable directional MIMO antenna (patent pending)
- Dual band antenna system with peak gain of 8.0dBi at 5.8GHz; 6.0dBi at 2.4GHz
- Can be enabled for concurrent transmission with the use of diplexers
- Compatible with 802.11n 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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