

Available Part Numbers*
 N2465TEDL
 N2465TEDL-100
 N2465TEDL-100U
 N2465TEDL-100C

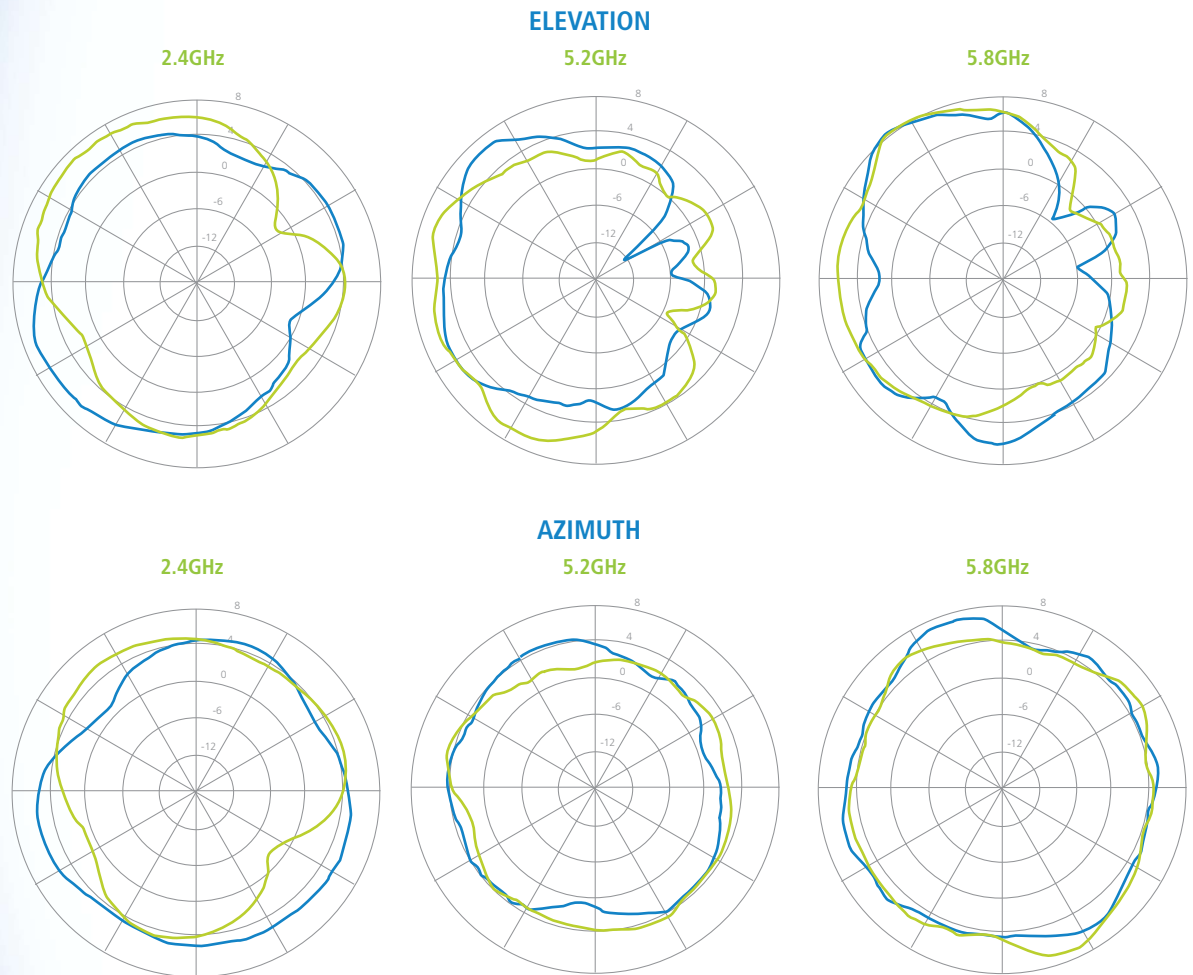


MaxBeam 30N Antenna

Dual band MIMO antenna for 802.11a/b/g systems

The MaxBeam30N dual band MIMO antenna is designed using highly innovative, patented technology to improve the performance of MIMO and dual element 802.11a/b/g systems. Airgain's MaxBeam30N offers simple, low profile, embedded solutions to WiFi and ISM band applications. The MaxBeam30N boosts performance by providing highly directional, high gain elements with high isolation between elements. The directionality and high isolation improves SNR in both 802.11n and 802.11a/b/g channels, and enhances channel modes, increasing range and throughput of wireless networks. Airgain's innovative design also provides flexibility for system integration which shortens time to market and simplifies product design for 802.11n and 802.11a/b/g WLAN applications such as access points and gateways.

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)

PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11n and 802.11a/b/g
Frequency Band	2.4 to 2.49 GHz, 4.9 to 6.0 GHz
Peak Gain	5.0dBi @2.44GHz, 5.1dBi @5.2GHz, 7.0dBi @5.8GHz, 1dB cable losses excluded
VSWR	2:1
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	Two sets of soldering pads for 50 ohm, 1.13 or 1.37mm diameter, micro coax cables
Antenna Dimensions	100 x 30 x 7.6 (mm)
Weight	0.3oz (9 grams)

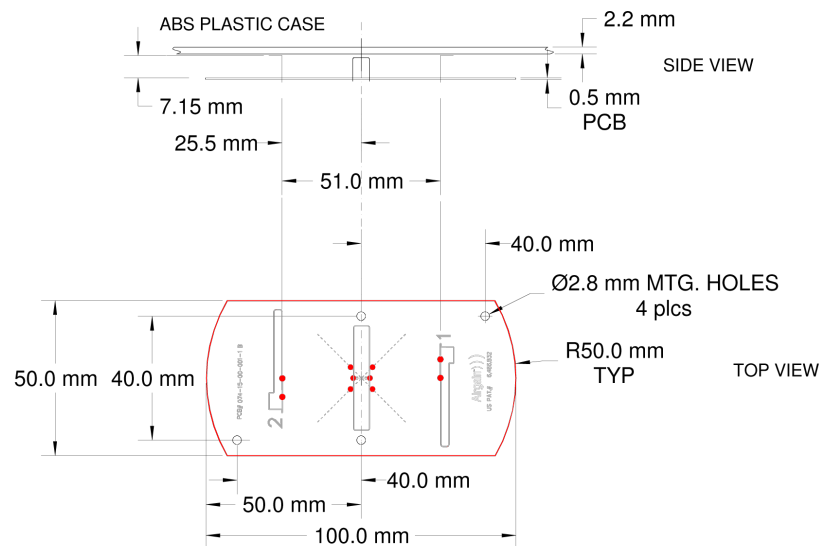
FEATURES

- ▶ Low profile with 5.0dBi peak gain
- ▶ Dual band antenna designed for IEEE 802.11a/b/g and IEEE 802.11n
- ▶ Independent, pre-tuned subsystem can be easily integrated into products

BENEFITS

- ▶ Eliminates external dipole antennas without sacrificing performance
- ▶ Provides superior horizontal and vertical coverage optimized for indoor performance
- ▶ Provides extended range without increasing radiated power

MECHANICAL DIMENSIONS



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