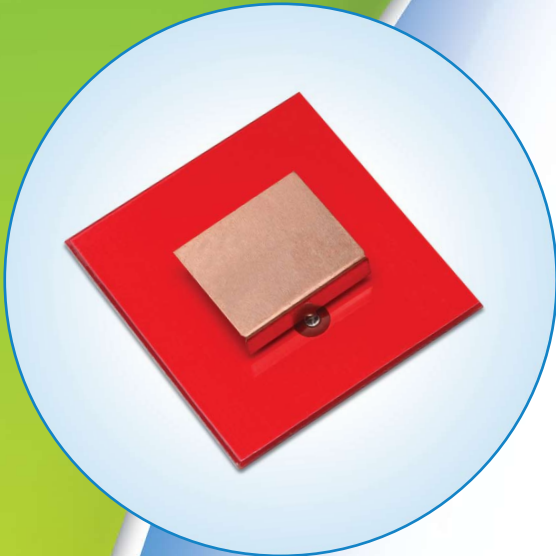


Airgain)))

Available Part Numbers*
 N5X90
 N5X90-100
 N5X90-100U
 N5X90-100C



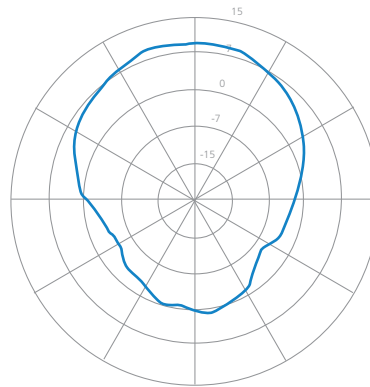
MaxBeam 100 Antenna

High gain embedded antenna for Wi-Fi and ISM applications

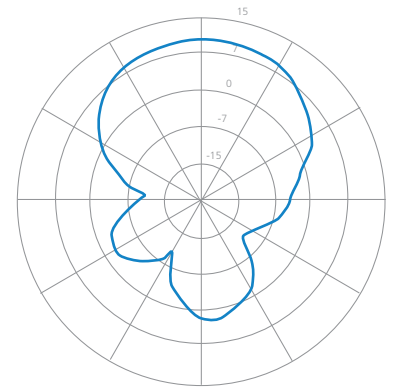
Introducing the MaxBeam100, Airgain's embedded antenna solution for wireless video systems. Based on patented directional antenna technology, the MaxBeam100 antenna provides a high gain, embedded antenna solution for 5GHz band applications. Designed to be used in a multiple antenna system to provide optimum coverage and throughput, the MaxBeam100 antenna provides superior range for whole home wireless video. Its unique design allows the MaxBeam100 to be embedded within most set-top box form factors, and it has a high tolerance of interference from the set-top box's internal functions. With peak gain over 9dBi, the MaxBeam100 provides up to 800 percent greater signal strength than conventional dipole antenna antennas, with the added flexibility of an embedded antenna with top performance.

ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



FEATURES

- Embedded antenna solution optimized for use inside set-top box enclosures
- Peak gains over 9.0dBi, up to 800% greater signal strength than standard dipole
- Covers all 5GHz channels in a single antenna

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

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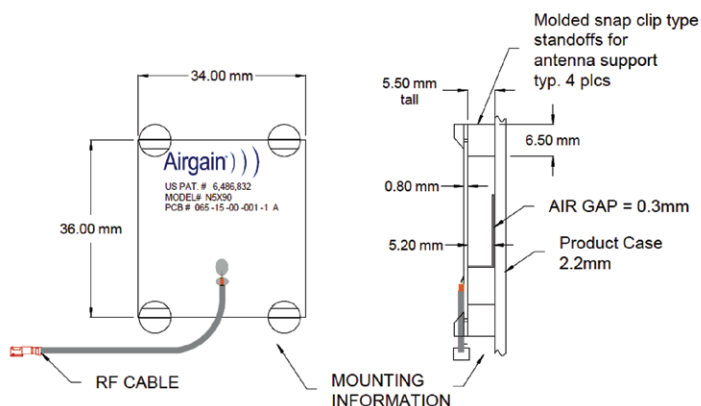
***Part # Extensions:**

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

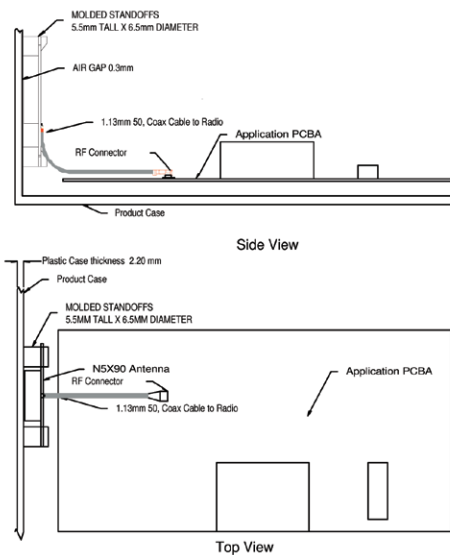
Expanding the Range of Wireless Possibilities

PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11n and 802.11a
Frequency Band	4.9 to 5.9 GHz
Peak Gain	9 dBi
VSWR	2:1 Max
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	50 ohm, 1.13mm diameter, micro coax cable
Antenna Dimensions	5.5 x 34 x 36 (mm)
Weight	12 g (0.48 oz)

MECHANICAL DIMENSIONS



CASE MOUNTING



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