

Pulse Part Number RO5808NM



Pulse Electronics is proud to introduce another Omni antenna covering the entire 5.X frequency band. This omnidirectional, 9 dBi antenna joins the existing 5 dBi RO5805Nx with 10 dBi version in the pipeline. These antennas are ideally suited for direct mounting to access points for indoor and outdoor WLAN applications. They can be directly mounted to the access point or mounted remotely and connected through cabling. Antennas are available with N-Male connectors, or with cable pigtail and choice of connectors. The antenna is UV protected and IP-67 rated to prevent water ingress.

The broad elevation beamwidth of this antenna allows it to be mounted in either the traditional upright orientation or inverted without degrading performance. The antenna measures 14.46"/367 mm tall by 1"/25.4 mm in diameter and supports wind loading of up to 150 mph. This antenna combined with the RO24xx product line offers superior performance and value for enterprise WLAN deployments.

Features

- Operates efficiently over entire 5.X bandwidth
- Delivers up to 9 dBi gain
- Available with N-Male direct mount base or cable pigtail with a wide choice of connectors
- RoHS Compliant Product

Applications

- Suitable for indoor or outdoor use
- Enterprise WLAN deployments
- Direct mounting to access point or wall and pipe mounting with optional mounting kit

NOTE: Radome Omni antennas are designed for installation on a mast or wall using an FB2BRACKET or FB3BRACKET.

Omnidirectional 5 GHz WLAN Antenna

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Electrical Specifications

Frequency [MHz]		5150 - 5875
Nominal Impedance [Ω]		50
VSWR		2:1
Gain		9
Radiation Pattern	Horizontal Plane	Omni
	Vertical Plane	12°
Connector		N Male
Polarization		Vertical
Power Rating [W]		20

Environmental Specifications

Operating Temperature [°C]	-40 to +85
Storage Temperature [°C]	-40 to +85
Relative Humidity [%]	100

Mechanical Specifications

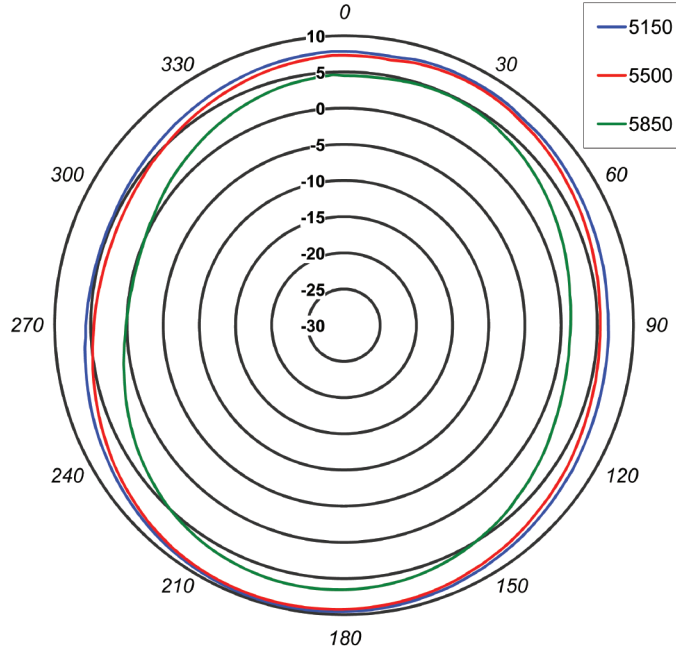
Radome Material	Pultruded Fiberglass
Color	White
Ingress Protection	IP-67
Weight [oz/g]	5.85 / 166
Wind-loading [Mph]	150
Dimensions [In/mm]	14.5 / 367 height 1 / 25.4 \varnothing
Mounting	Direct or Wall/Pipe

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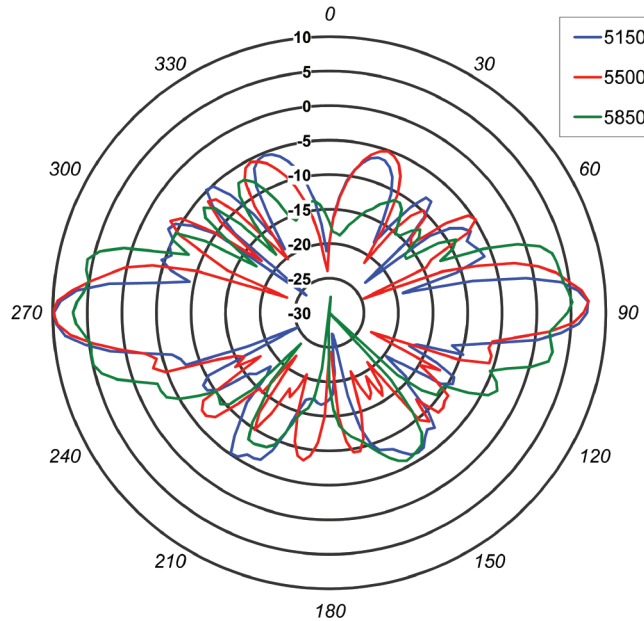
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Radiation Patterns

Horizontal Plane



Vertical Plane



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