

# Omnidirectional 2.4 GHz Antennas With Up- and Down-Tilt

Pulse Part Number RO2408NMU and RO2408NMD



Pulse is proud to introduce 2 new WLAN antenna models to our industry-leading omnidirectional antenna product line. These new antennas incorporate electrical up-tilt and down-tilt for difficult coverage applications. Both antennas are suitable for upright or inverted applications and are IP-67 compliant. Antennas are available with an integrated N Male connector for direct access point attachment, or can be supplied with a low-loss cable pigtail and choice of connector for pole mounting with optional bracketry.

Pulse offers single and multi-band omnidirectional pattern antennas for WLAN, ISM, 3G & LTE applications. All antennas are suitable for internal or external applications and available in multiple gain configurations.

#### Features

- Up-tilt or Down-tilt Configurations
- Upright or Inverted Mounting
- IP-67 Rated
- RoHS Compliant Product

#### Applications

- Pole or Direct Mount
- Outdoor or Warehouse Access Points
- Couple with Pulse RO58XX products for Dual-Band MIMO systems

Part Number	Beam Tilt	Connector
RO2408NMU	6° Up	N Male
RO2408NMD	6° Down	N Male

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## Electrical Specifications

Frequency [MHz]		2400 - 2500
Nominal Impedance [ $\Omega$ ]		50
VSWR		2:1
Gain [dBi]		8
Radiation Pattern	Horizontal Plane	Omni
	Vertical Plane	$13^\circ \pm 2^\circ$
Polarization		Vertical
Power Rating [W]		10

## Environmental Specifications

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

## Mechanical Specifications

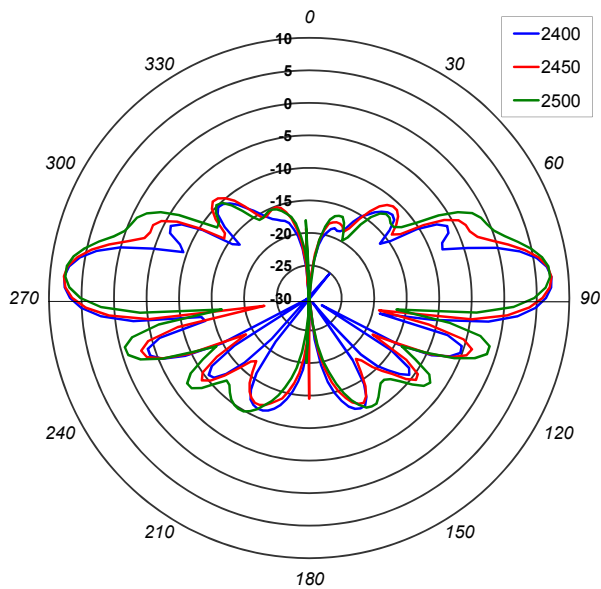
Radome Material	Pultruded Fiberglass
Color	White
Ingress Protection	IP-67
Weight [oz/g]	6.6 / 187
Wind-loading [Mph]	150
Dimensions [Inches/Meters]	20.6 x 1 / 523 / 25.4
Mounting	Direct

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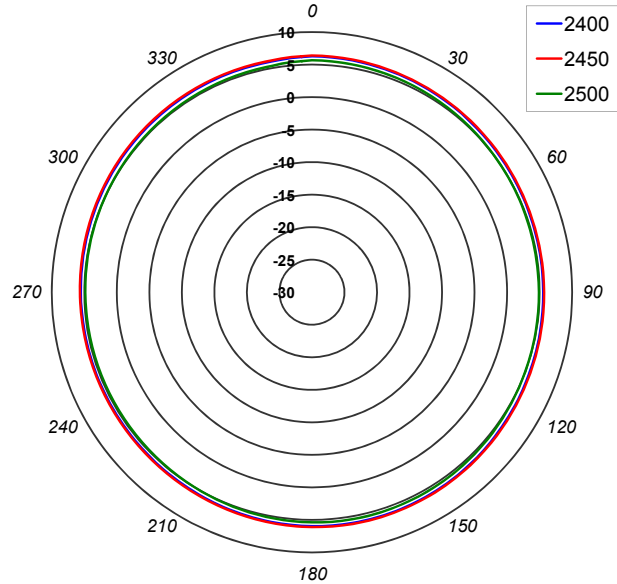
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## Radiation Patterns

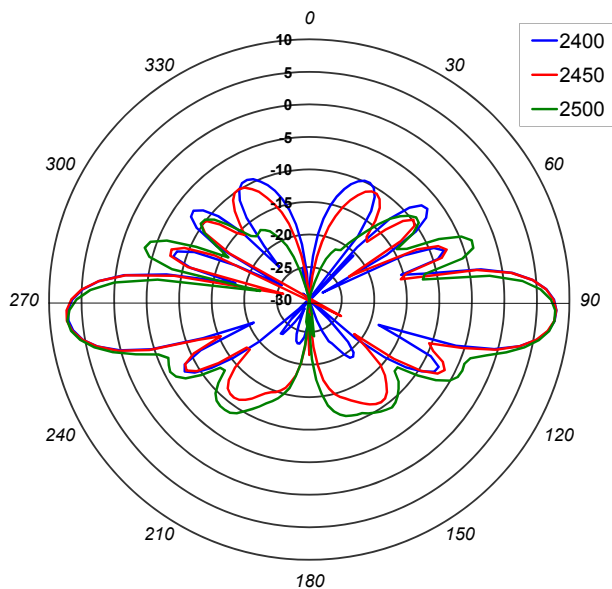
Vertical Plane - UPTILT



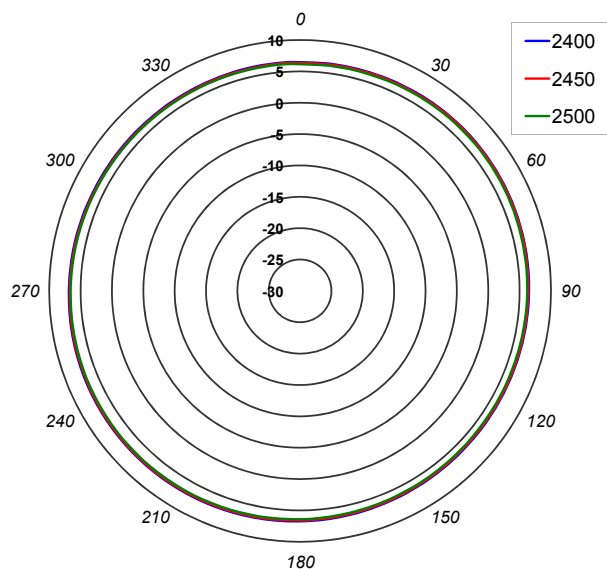
Horizontal Plane - UPTILT



Vertical Plane - DOWNTILT



Horizontal Plane - DOWNTILT



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