

# Outdoor Rated, Omni Directional Antenna, 430-440 MHz & 860-930 MHz

Pulse Part Number RO3ISMNM



Pulse is proud to introduce the latest offering in the 'Radome Omni' Series. This omni directional antenna operates in the frequency ranges of 430-440 MHz and 860-930 MHz. The antenna is ideal for communications requiring omni directional radiation patterns in an outdoor operating environment. The RO3ISMNM is suitable to be mounted with full exposure to wind, rain, snow, high temperatures and sun exposure. The antenna is also DC grounded for lightning protection.

Measuring 21" and featuring a Type N Male connector allows the antenna to be deployed via pole mounts or directly to radio chassis. Stable radiation patterns and gain across all frequencies make install and network performance consistent through all supported radio channels.

## FEATURES

- Supports ISM and unlicensed bands across North America and EU
- IP67
- Stable gain and radiation patterns across all operating bands
- RoHS Compliant

## APPLICATION

- ISM
- 430-440 MHz EU Amateur radio
- 860-930 MHz

\*\*Contact factory for N-FEMALE option requirements

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Vancouver, Washington  
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China  
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Antennas and accessory products covered in this documents are as follows:

## Electrical Specifications

Frequency (MHz)	430-440Mhz
Frequency (MHz)	860-930Mhz
Nominal Impedence ( $\Omega$ )	50
VSWR Freq 1	2:1
VSWR Freq 2	2:1
Gain (dBi) Freq 1	2
Gain (dBi) Freq 2	2.5
Pattern Data Horizontal	360°
Pattern Data Vertical Freq 1	62°
Pattern Data Vertical FREQ 2	45°
Polarization	Vertical
Power Rating (W)	20 Watts

## Environmental Specifications

Operation Temperature	-40 / 85 C
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## Mechanical Specifications

Color	White
Ingress Protection	IP67
Overall Height (inches/mm)	21.28 in. / 541 mm
Wind Load Rating	150 MPH
Connector	N MALE
Weight	265 g

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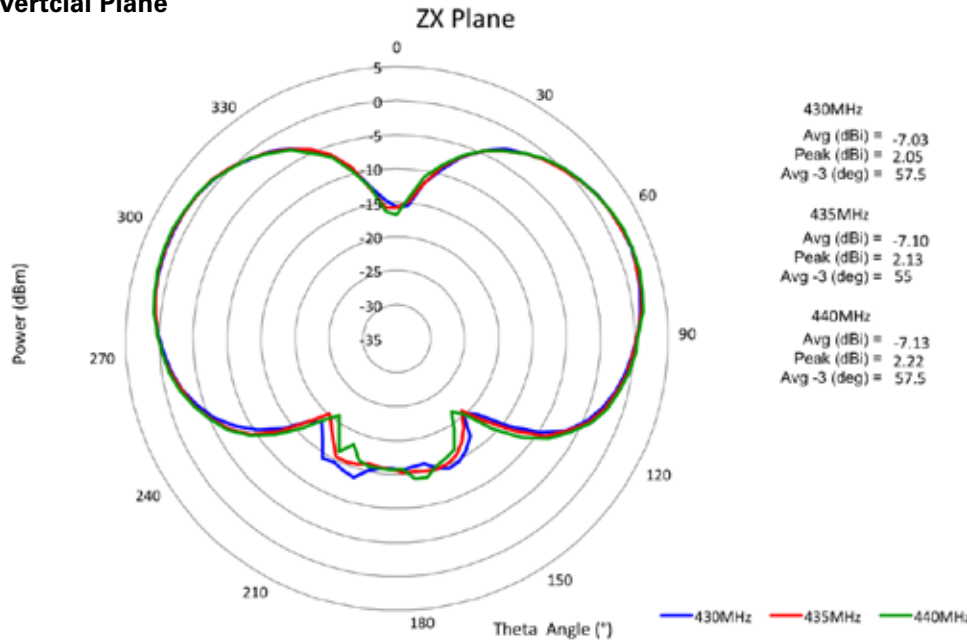
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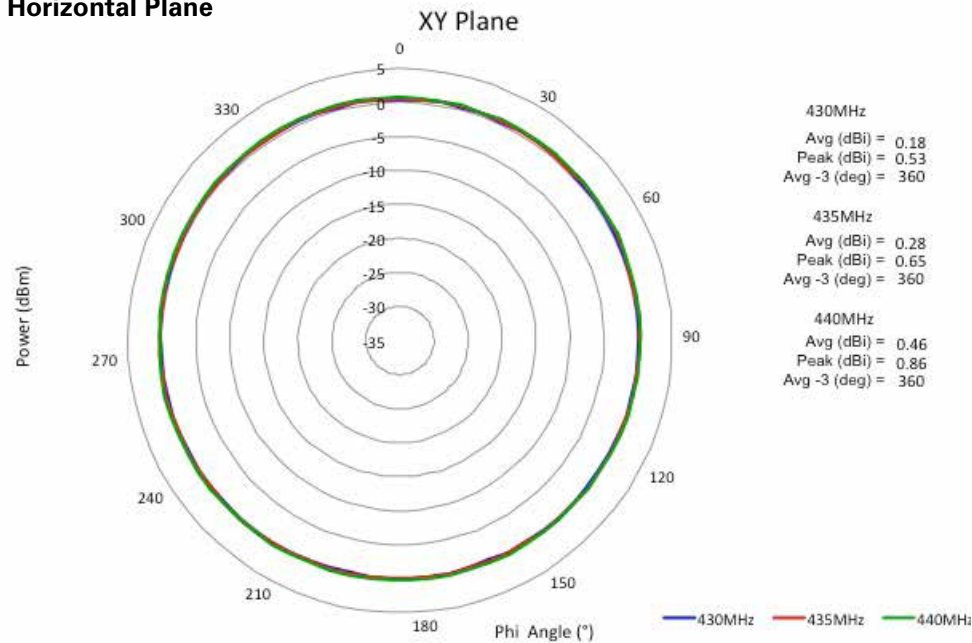
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## Vertical Plane



## Radiation Patterns 430 MHz

## Horizontal Plane



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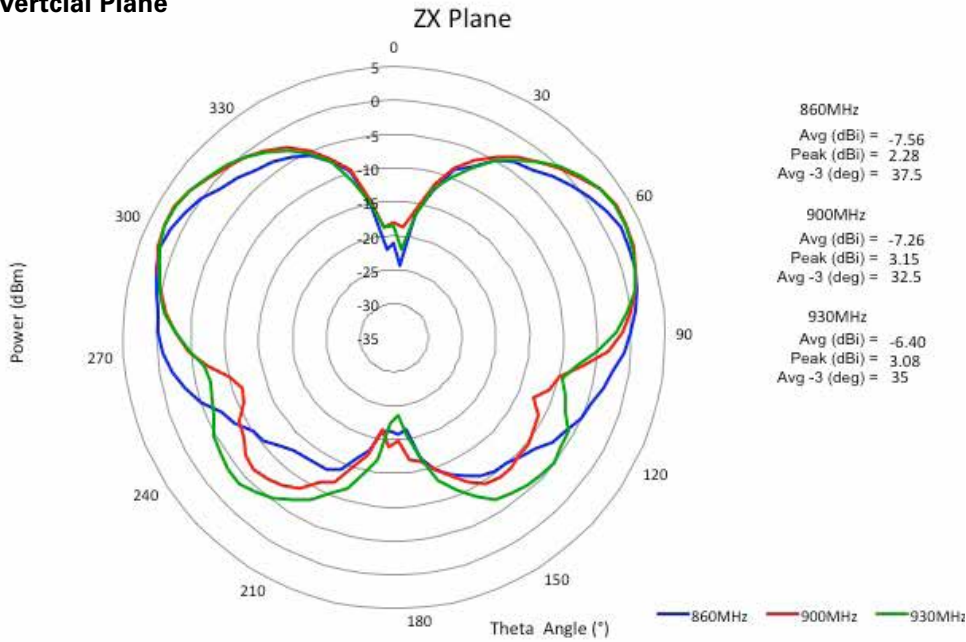
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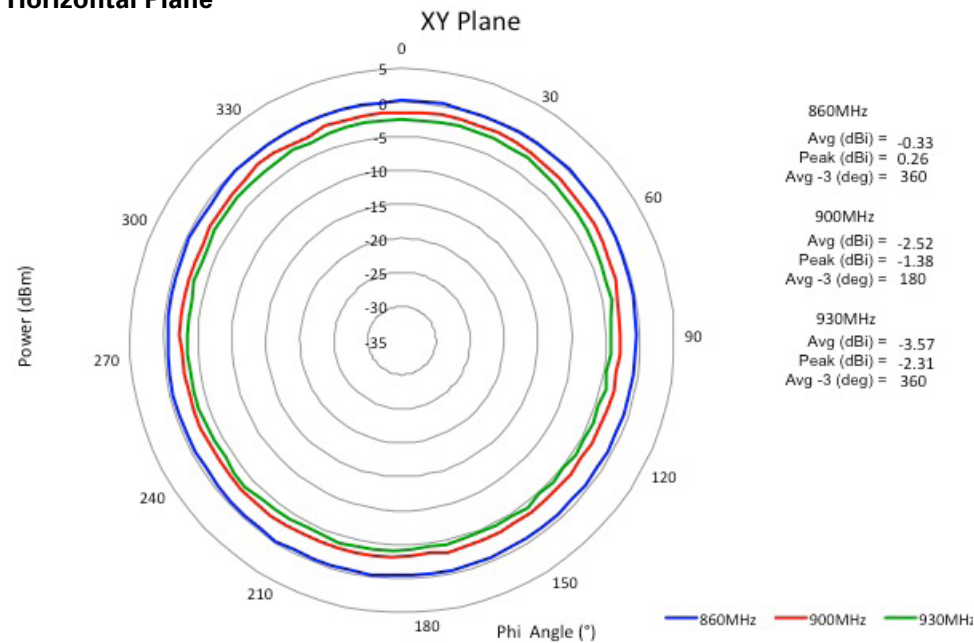
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## Vertical Plane



## Radiation Patterns 860 MHz

## Horizontal Plane



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