







Outdoor

Radome Omni – Omni directional Antenna

RO2471NM – 2400-7125 MHz



Features & Applications:

-  WiFi 6E, Tri-Band Antenna
-  2400-2500/4900-5850/5925-7125MHz
-  Utility boxes
-  Smart metering
-  Sensing and remote monitoring
-  IoT Devices

Electrical specifications @ 25° C

Frequency Bands – 2400-2500/4900-5850/5925-7125 MHz

Antenna type ¹	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
Collinear Dipoles	50Ω	Vertical	Omni	20W	No

Frequency (MHz)	2400-2500	4900-5850	5925-7125
VSWR	2:1	2:1	2:1
Average Peak Gain (dBi)	3.4	5.7	5.7
Average Efficiency (%)	72	73	61
HPBW Vertical Plane (°)	40	22	22

Mechanical Specifications

RO2471NM

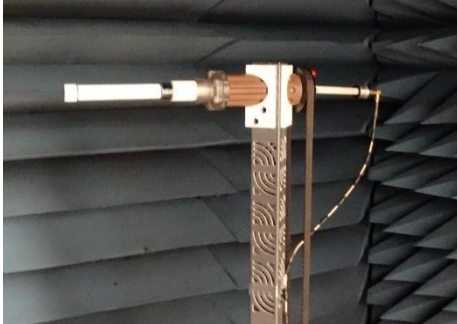
Size (Diameter x Height)	Color	Weight	Connector Type	Fixing System ²
25.3 (1.0") x 173.0 (6.81") mm	White	114grms (0.25lbs)	N-Male	Direct Mount
Housing Material	Operating / Storage Temperature	Ingress Protection	Wind Side Loading	RoHS-6 Compliant
Polyester-Fiberglass UV Protected	-40°C to +85°C	IP67	30 lbs	Yes

Notes:

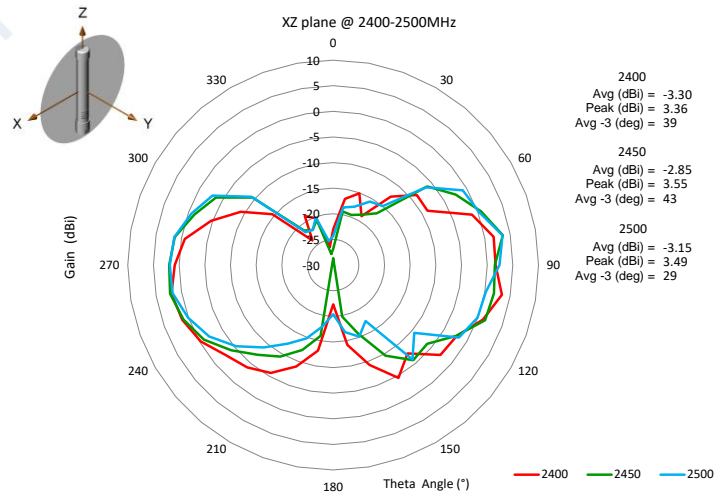
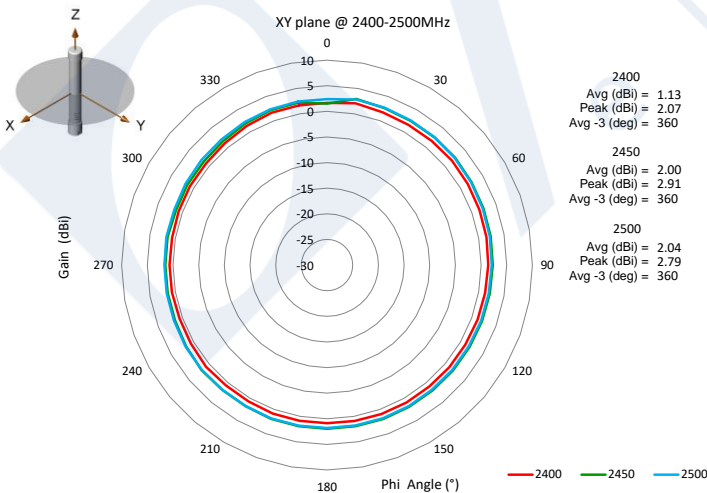
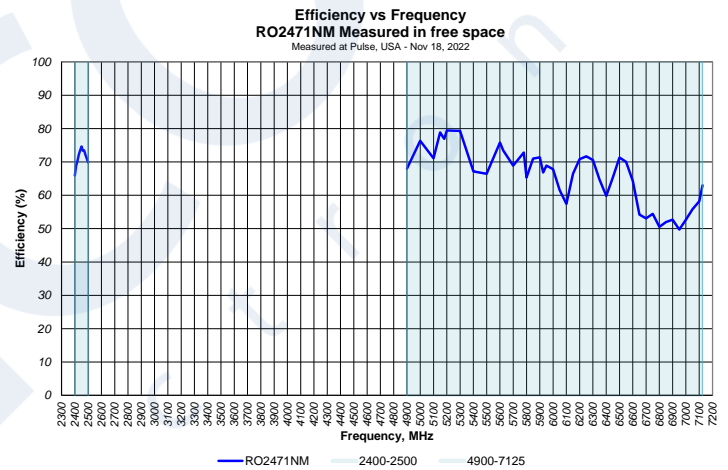
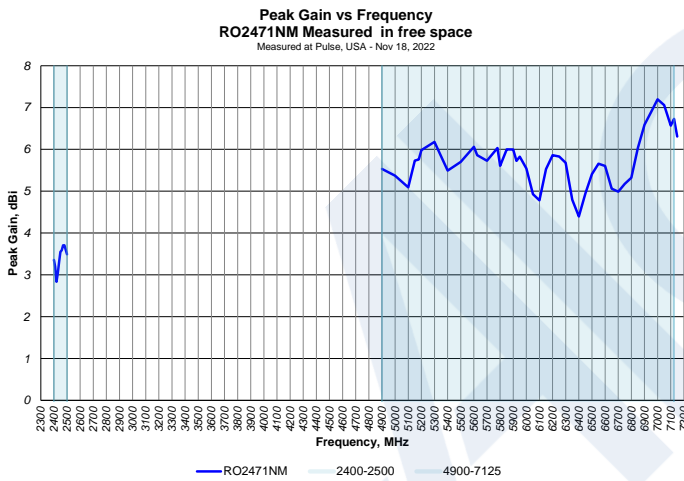
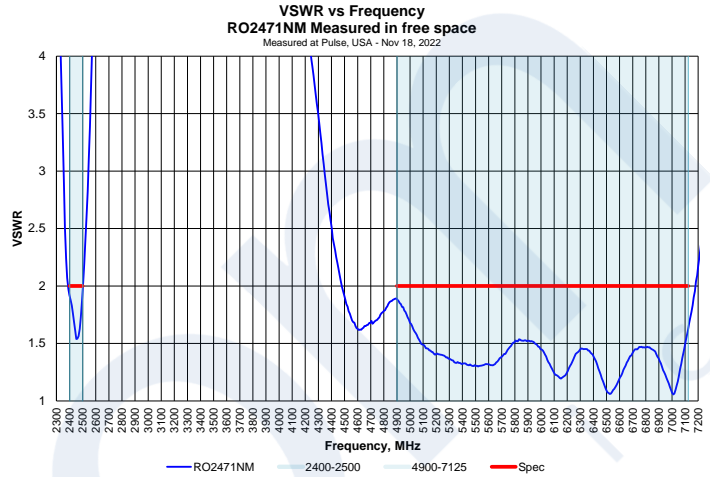
1. Measured in free space.
2. N-Female connector required (not included).

Test Setup / Charts

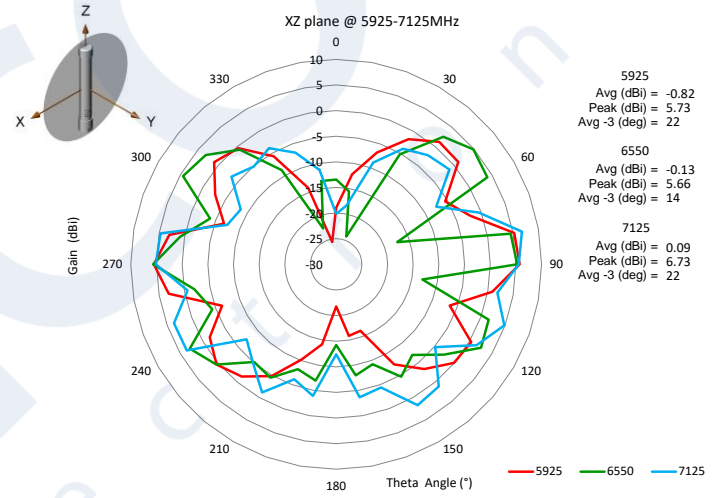
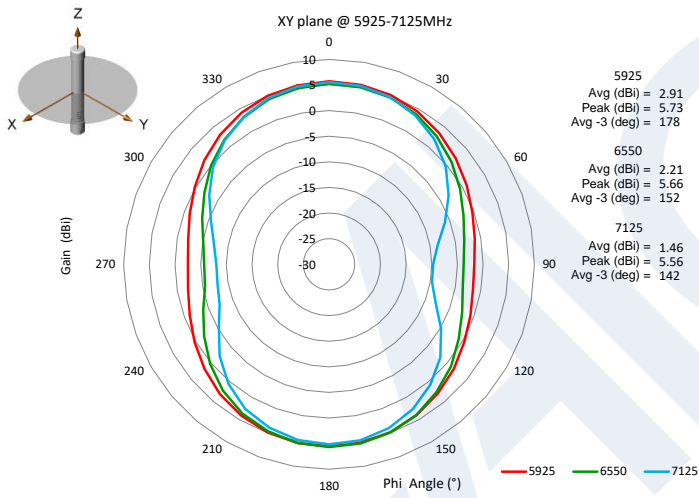
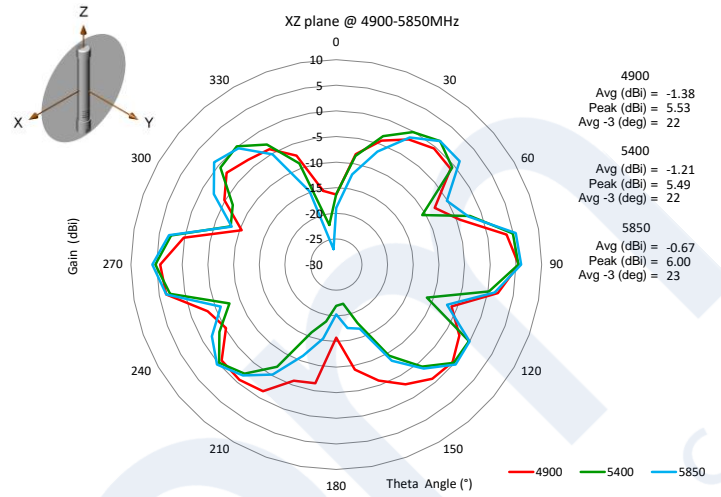
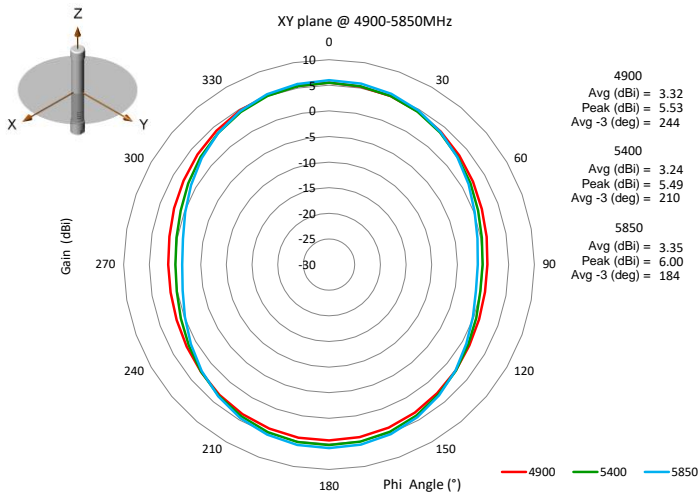
RO2471NM



RO2471NM antenna sample measured in free space

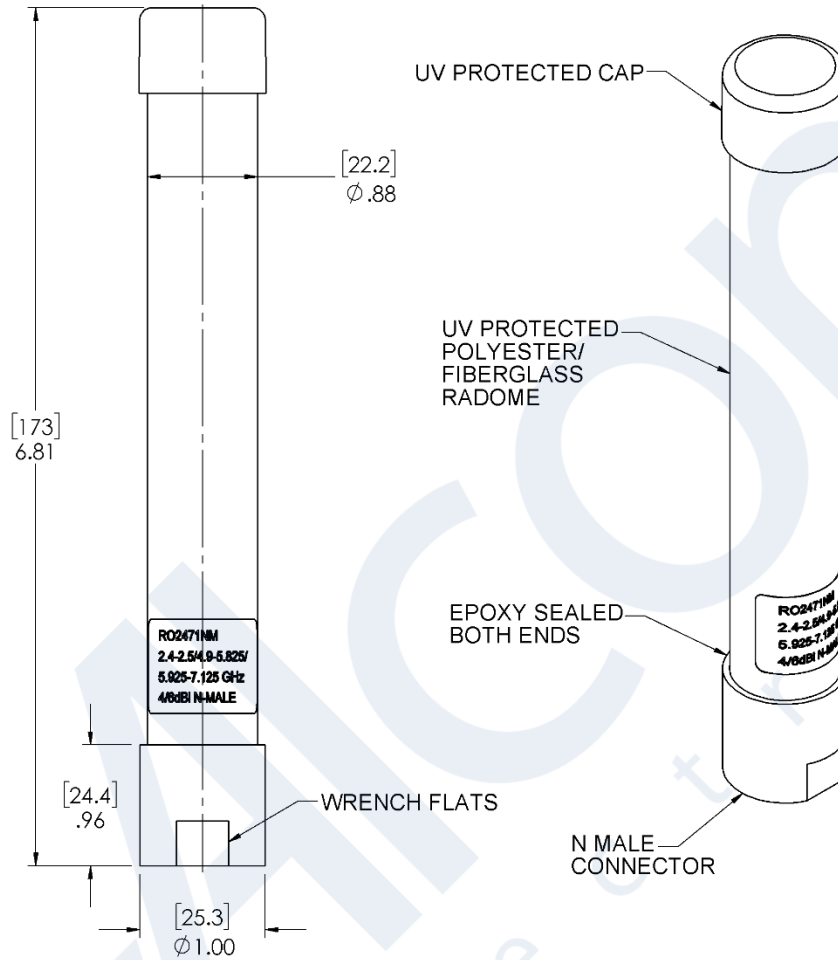


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Mechanical Drawing

RO2471NM



Dimensions: Inches (mm)

Unless otherwise specified, all tolerances are ±.010 (0.25mm)

Packaging

RO2471NM

Packaging info:

- 1 antenna packed in a plastic bag.
- 1 label on each plastic bag with part number, description, date code.

Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
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