







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 <sup>1</sup>	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

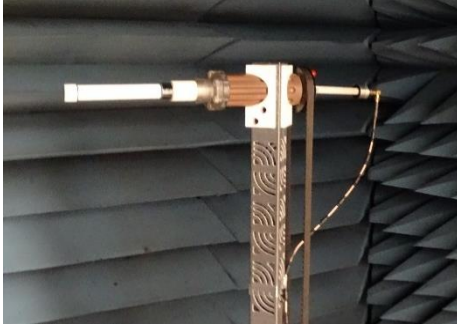
Mechanical Specifications				
RO2471NM				
Size (Diameter x Height)	Color	Weight	Connector Type	Fixing System <sup>2</sup>
25.3 (1.0") x 173.0 (6.81") mm	White	114grms (0.25lbs)	N-Male	Direct Mount
Housing Material	Operating / Storage Temperature	Ingress Protection	Wind Side Loading	RoHS-6 Compliant
Polyester-Fiberglass UV Protected	-40°C to +85°C	IP67	30 lbs	Yes

Notes:

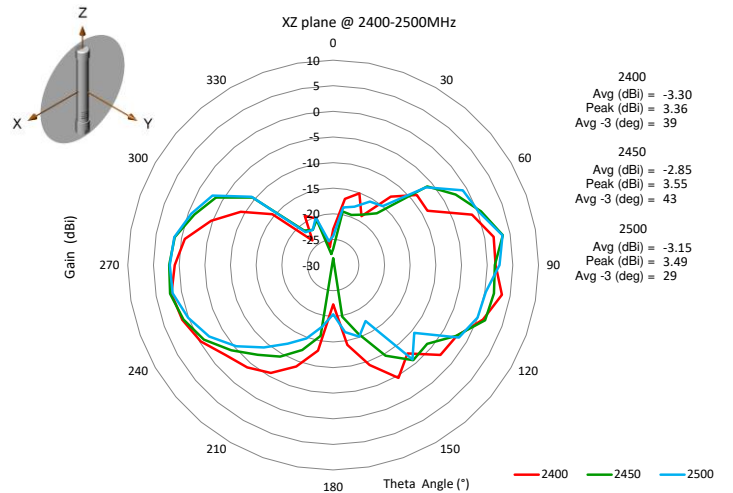
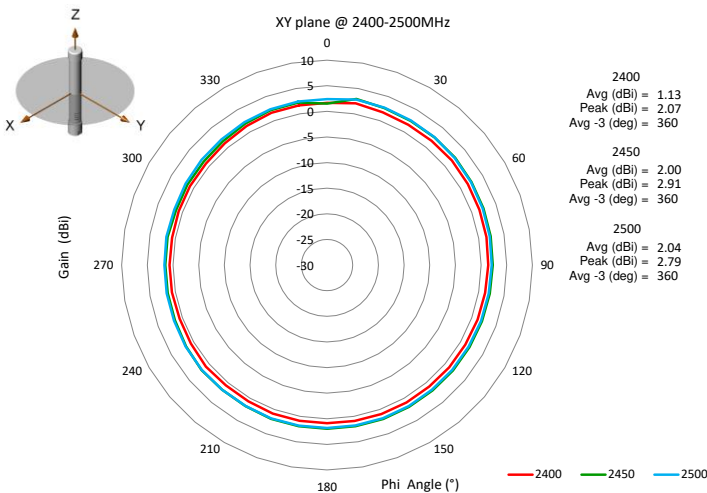
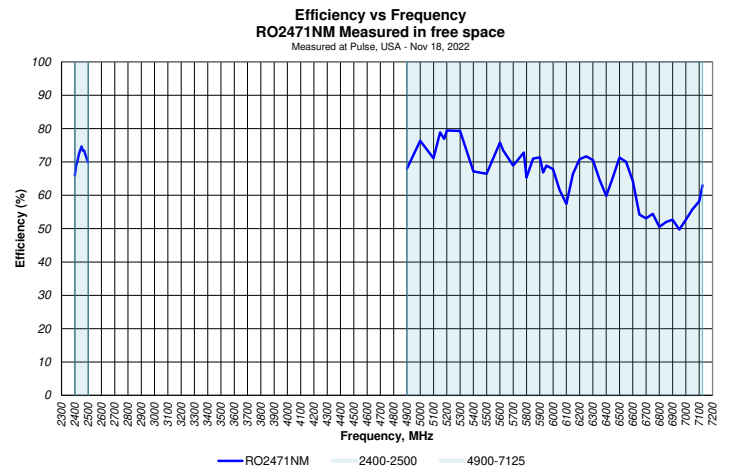
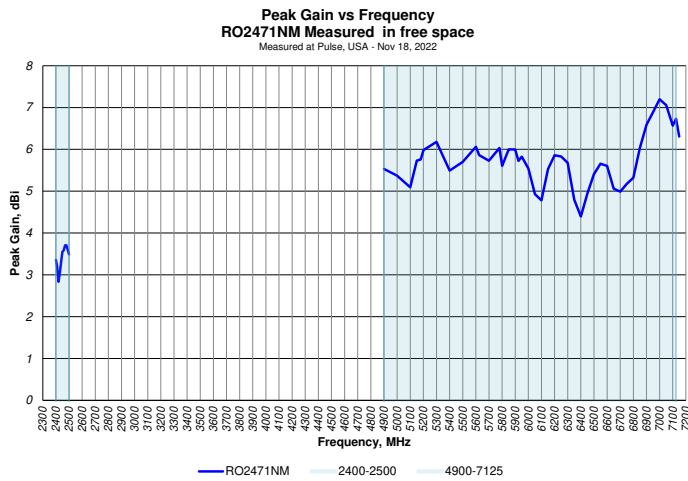
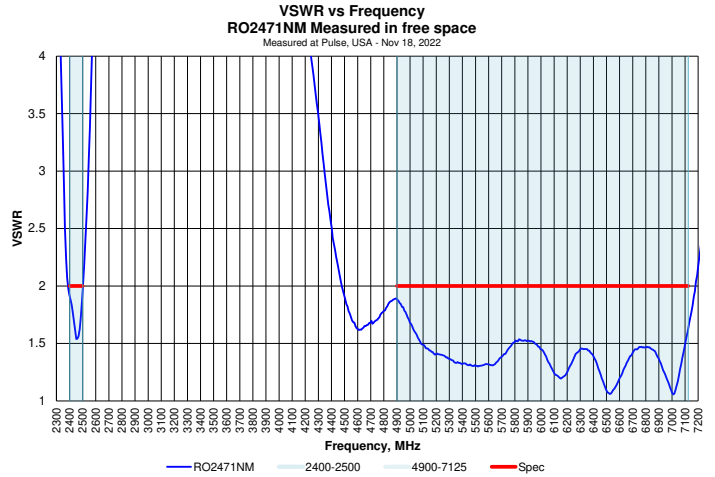
1. Measured in free space.
2. N-Female connector required (not included).

Test Setup / Charts

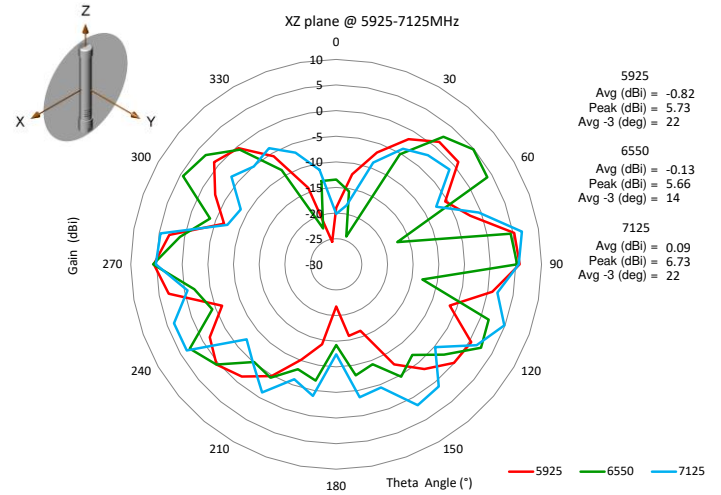
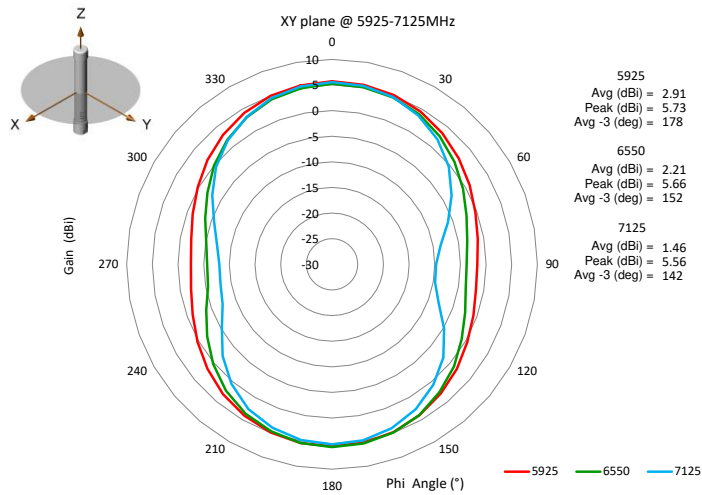
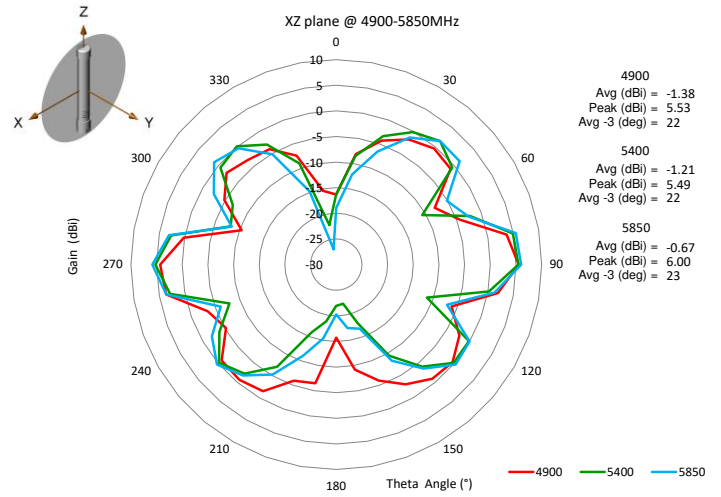
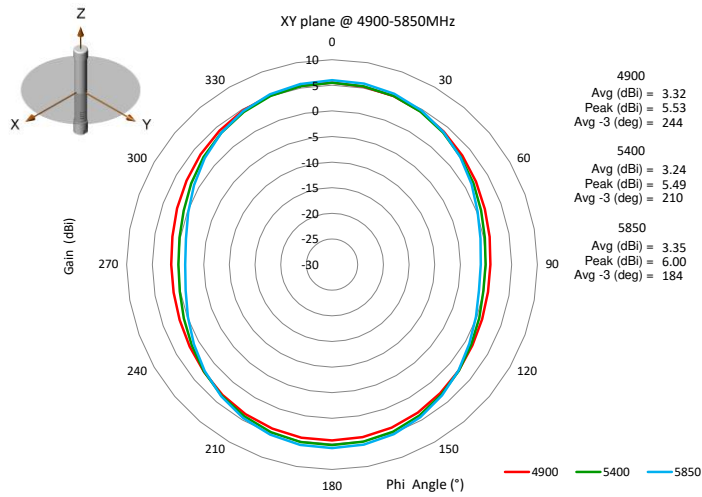
RO2471NM



RO2471NM antenna sample measured in free space

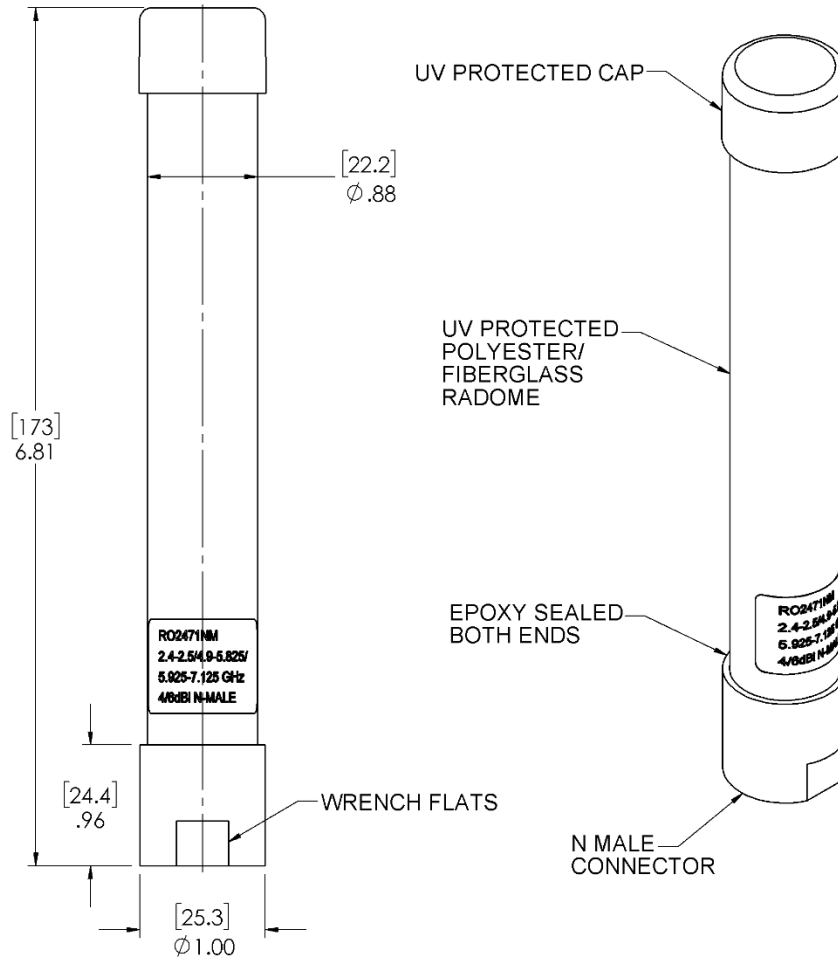


Outdoor  
 Radome Omni – Omni directional Antenna  
 RO2471NM – 2400-7125 MHz



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:**

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

**For More Information:**

Americas - [antennas.us@pulseelectronics.com](mailto:antennas.us@pulseelectronics.com) | Europe - [antennas.eu@pulseelectronics.com](mailto:antennas.eu@pulseelectronics.com) | Asia - [antennas.as@pulseelectronics.com](mailto:antennas.as@pulseelectronics.com) | Questions? +1-800-ANTENNA  
 Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.