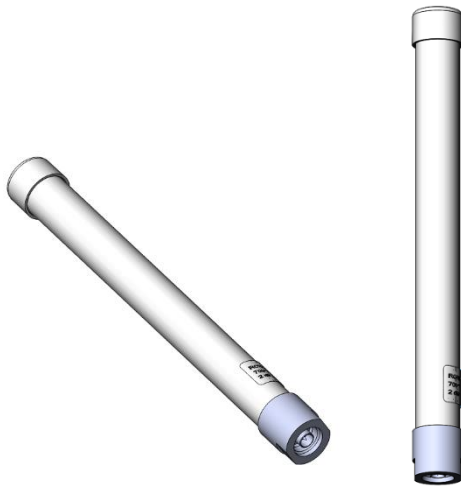






Outdoor
 Radome Omni – Omni directional Antenna
 RO700/2700NM – 698 to 2700 MHz



Features & Applications:

-  698-960/1710-2170/2400-2700MHz
-  Utility boxes
-  Smart metering
-  IoT Devices

Electrical specifications @ 25° C					
Frequency Bands – 698-960/1710-2170/2400-2700 MHz					
Antenna type ²	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
Dipole	50Ω	Vertical	Omni	20W	No

Frequency (MHz)	698-960	1710-2170	2400-2700
VSWR	2:1	2:1	2:1
Average Peak Gain (dBi)	0.0	0.42	1.2
Average Efficiency (%)	48	53	58
HPBW Vertical Plane (°)	50	50	60

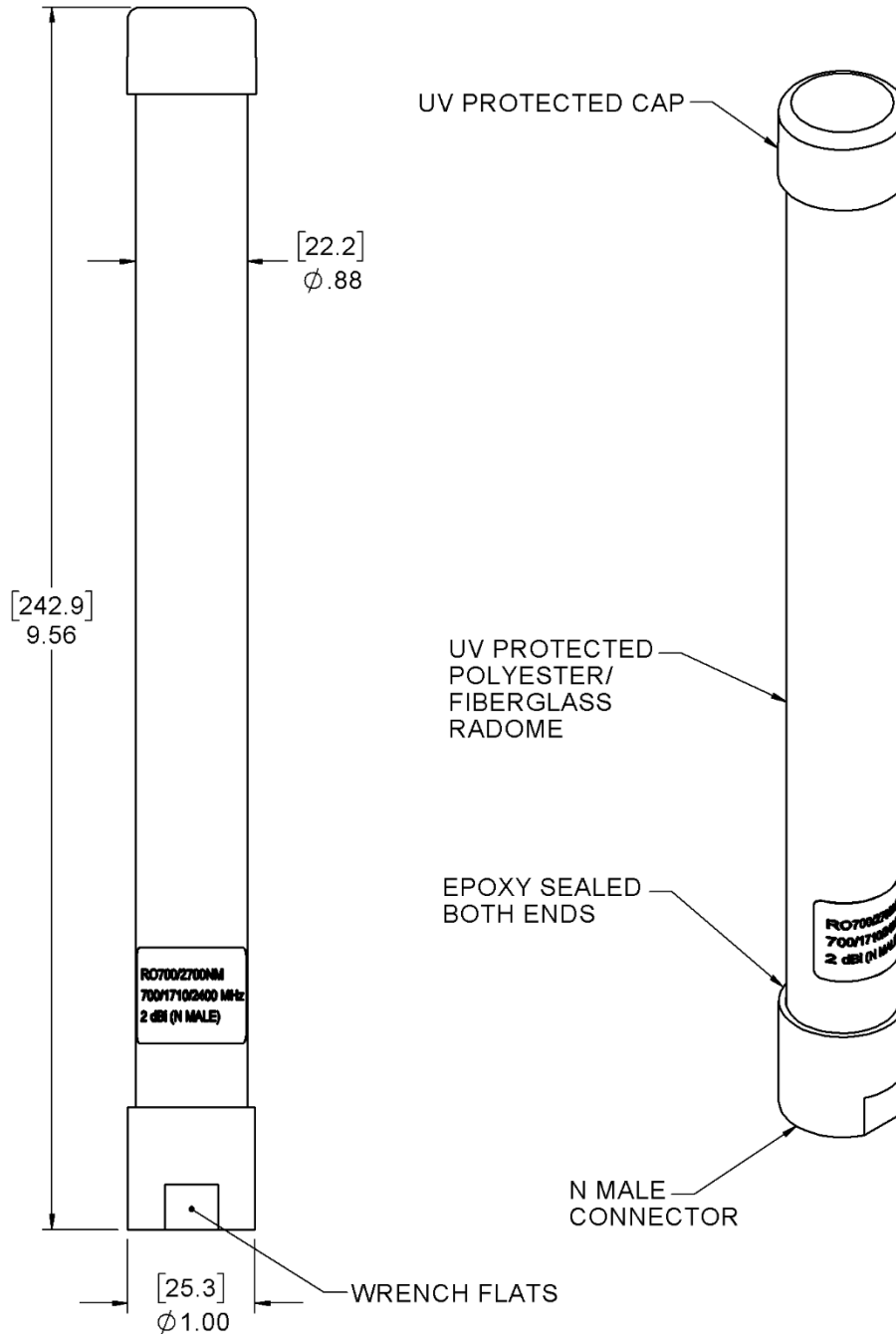
Mechanical Specifications				
RO700/2700NM				
Size (Diameter x Height)	Color	Weight	Connector Type	Fixing System ³
25.4 (1.0") x 242.9 (9.56") mm	White	120grms (0.27lbs)	N-Male	Direct Mount
Housing Material	Operating Temperature	Ingress Protection	Side Loading @ 1 ft	RoHS-6 Compliant
Fiber glass, UV Protected	-40°C to +85°C	IP67	30 lbs	Yes

Notes:

1. Storage Temperature: -40°C to 85°C
2. Measured in free space.
3. N-Female connector required (not included).

Mechanical Drawing

RO700/2700NM



Dimensions: Inches (mm)
Unless otherwise specified, all tolerances are ± 0.010 (0.25mm)

Test Setup

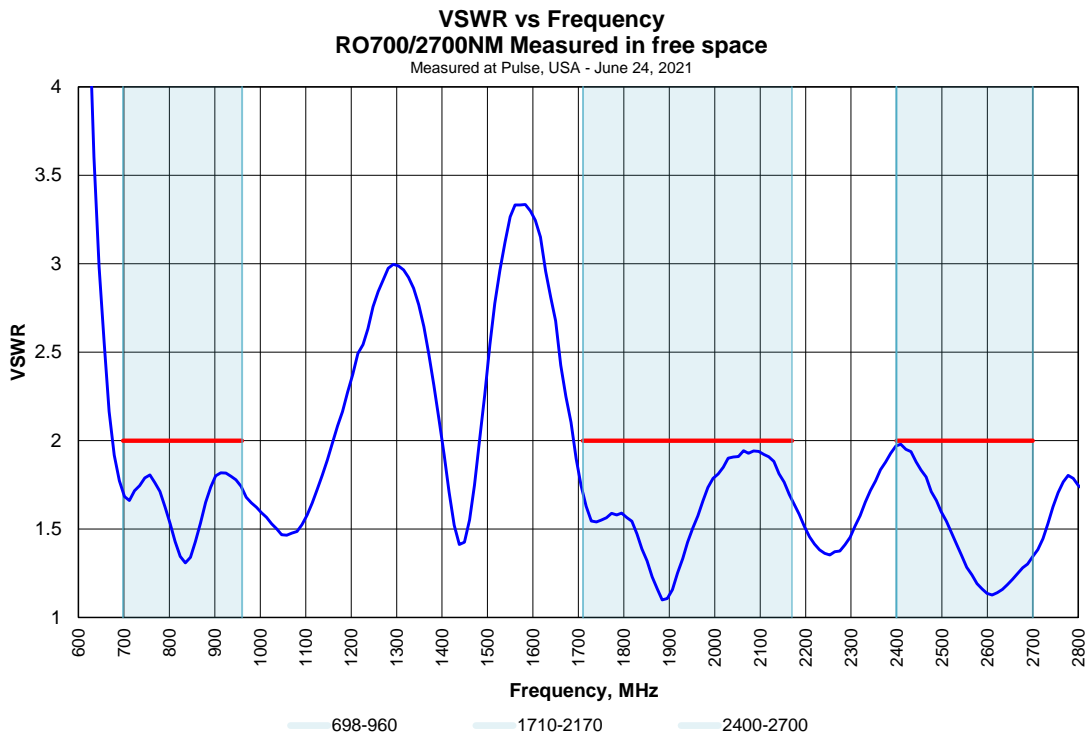
RO700/2700NM



RO700/2700NM antenna sample measured in free space

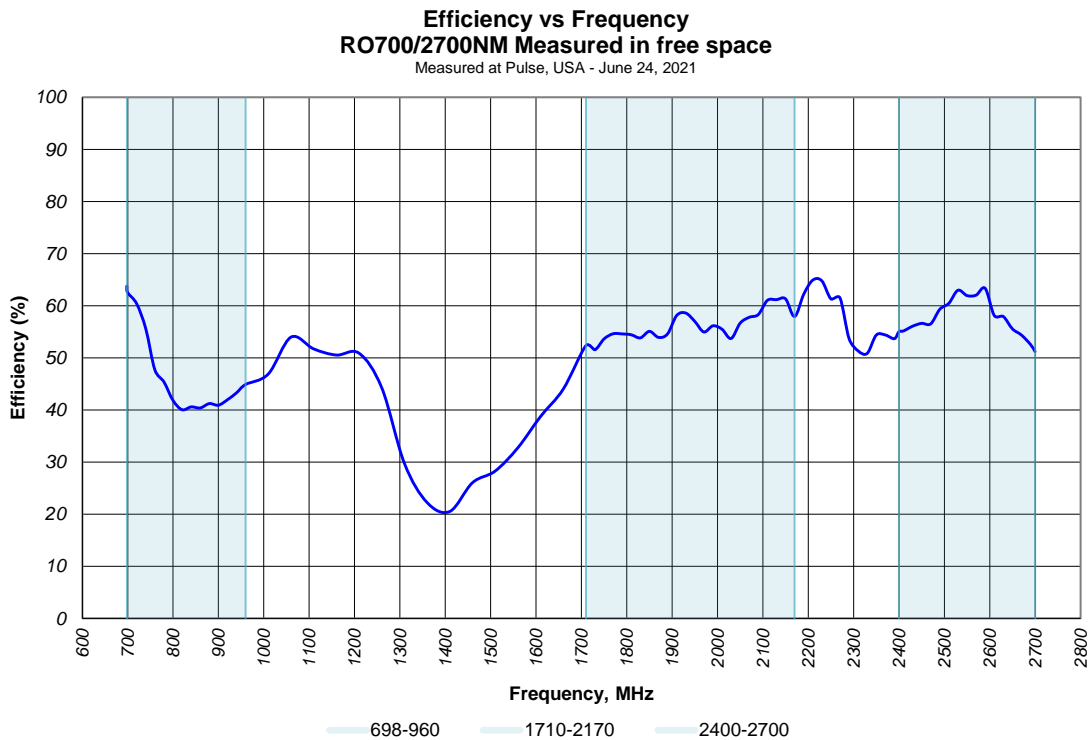
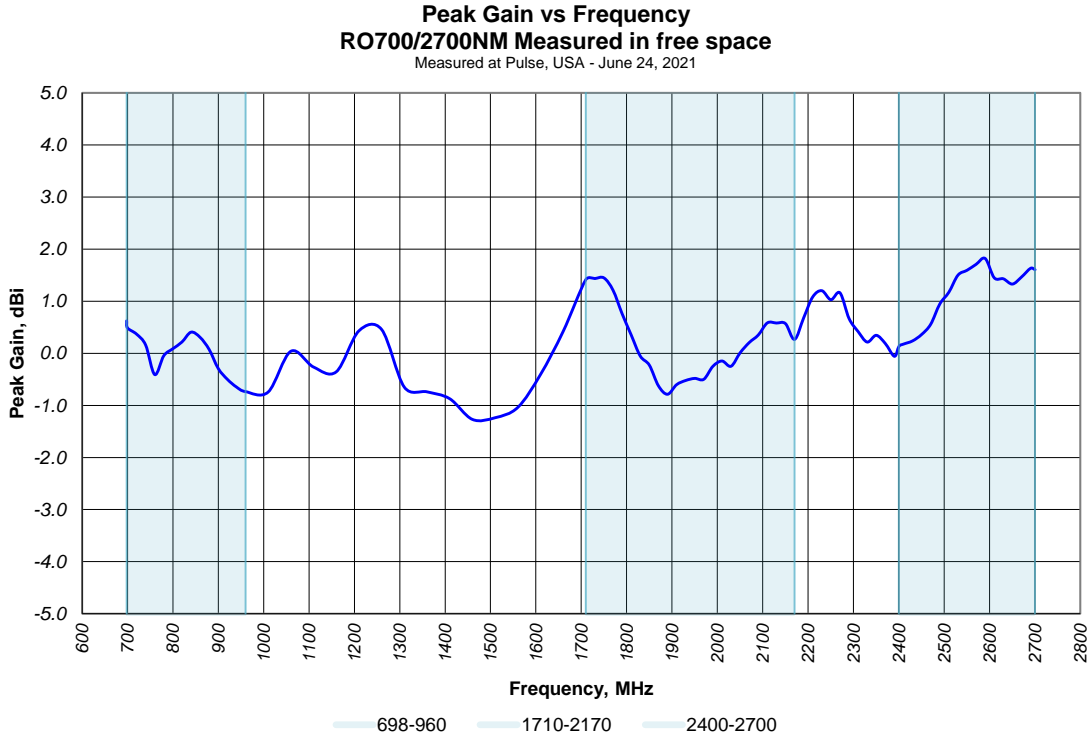
Charts- VSWR

RO700/2700NM



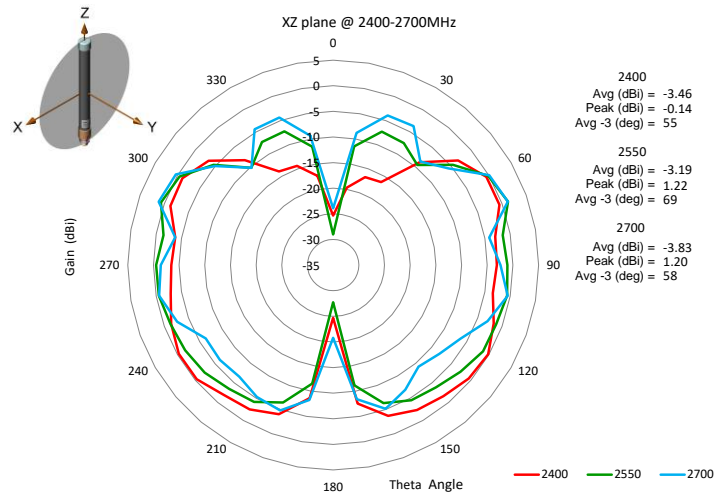
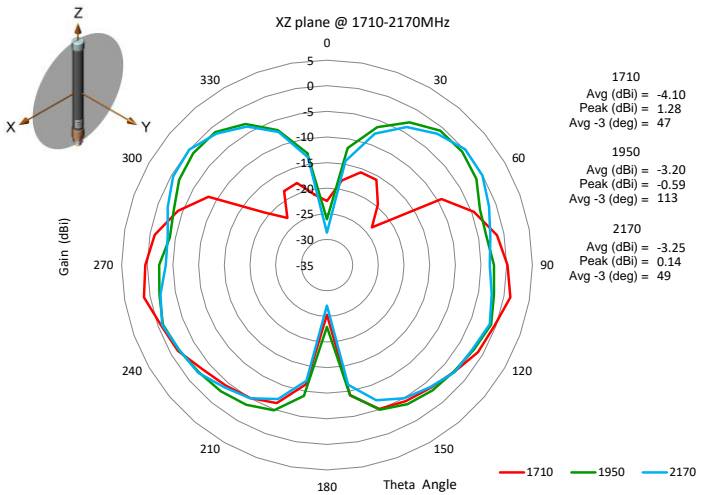
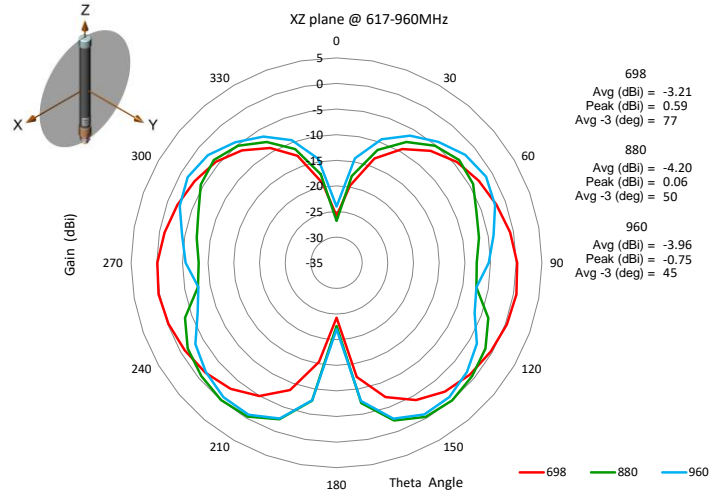
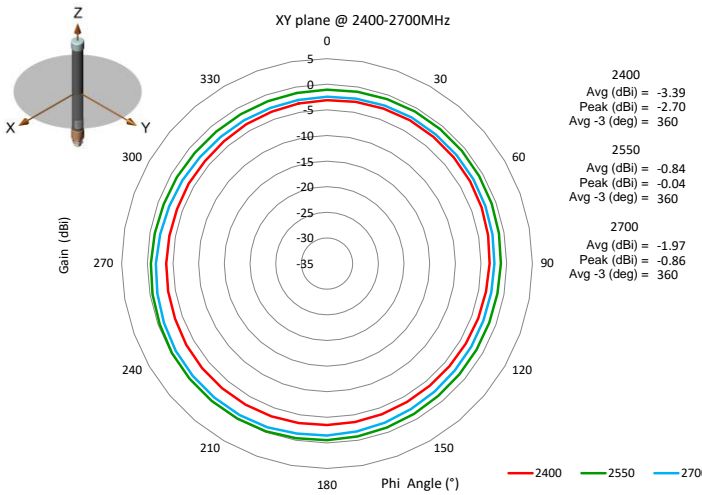
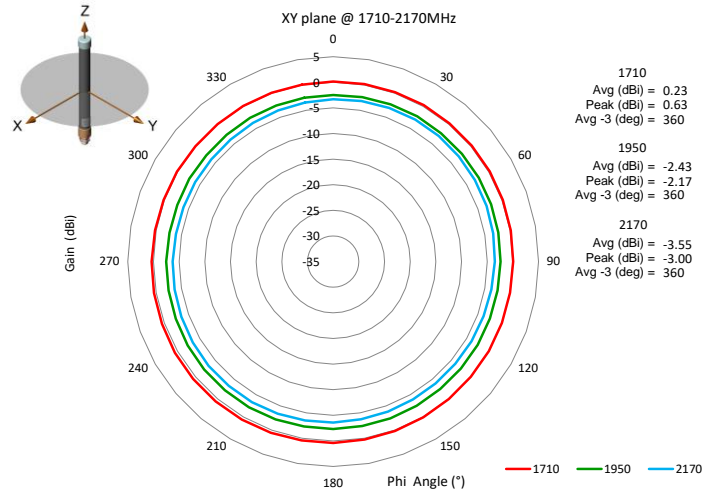
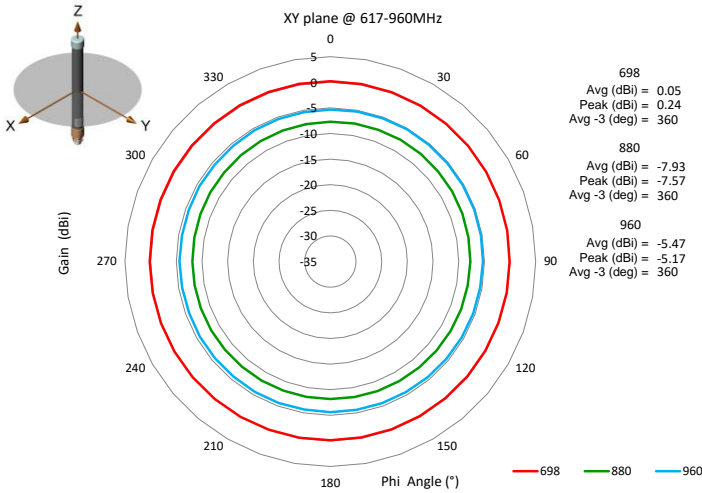
Charts- Peak Gain and Efficiency

RO700/2700NM



Charts- XY and XZ Gain Plots

RO700/2700NM



Outdoor

Radome Omni – Omni directional Antenna

RO700/2700NM – 698 to 2700 MHz

Packaging

RO700/2700NM

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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