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Outdoor

Radome Omni – Omni directional Antenna

RO700/2700NM – 698 to 2700 MHz

Pulse
a YAGEO company



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

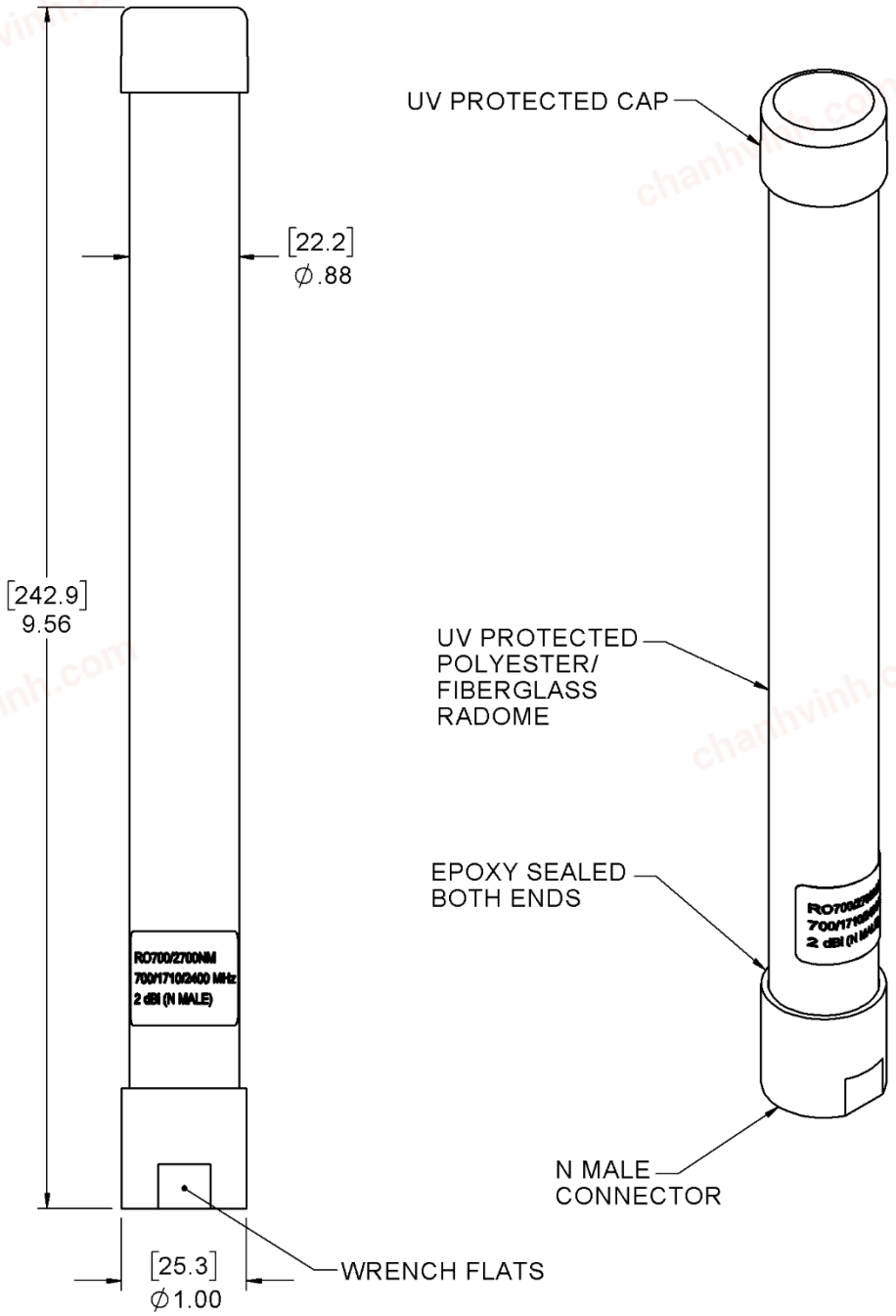
Mechanical Specifications				
RO700/2700NM				
Size (Diameter x Height)	**Color**	**Weight**	**Connector Type**	**Fixing System[3]**
25.4 (1.0”) x 242.9 (9.56”) mm	White	120grms (0.27lbs)	N-Male	Direct Mount
Housing Material	**Operating Temperature**	**Ingress Protection**	**Side Loading @ 1 ft**	**RoHS-6 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).

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Mechanical Drawing

RO700/2700NM



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

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Test Setup

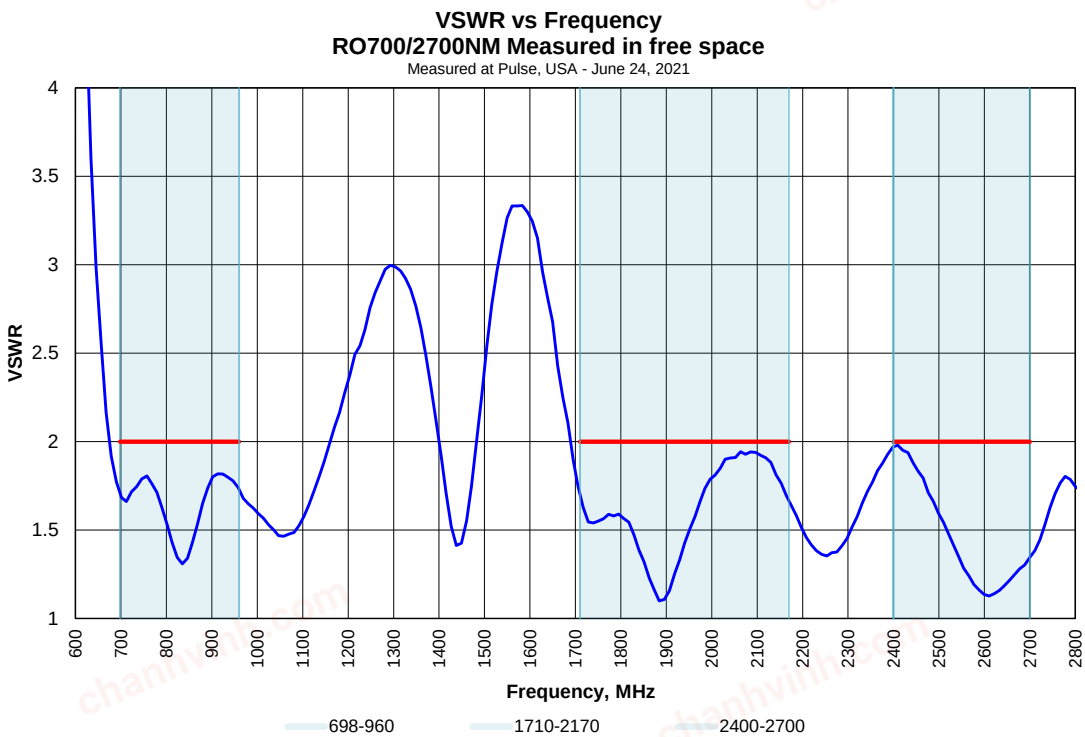
RO700/2700NM



RO700/2700NM antenna sample measured in free space

Charts- VSWR

RO700/2700NM



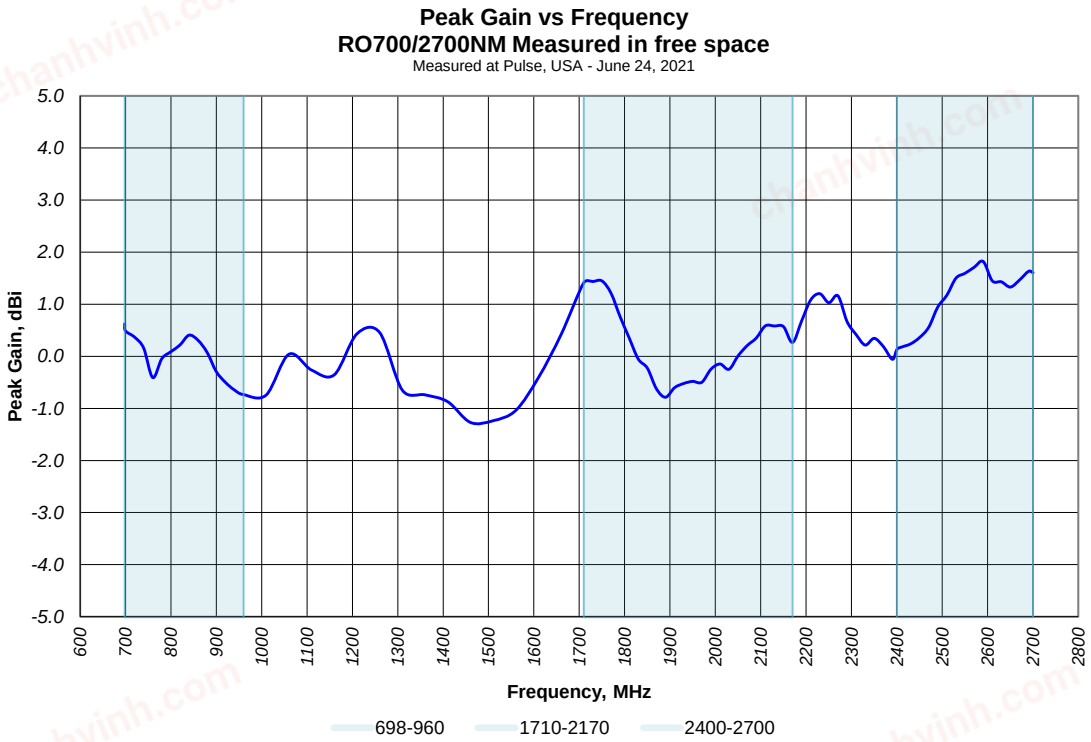
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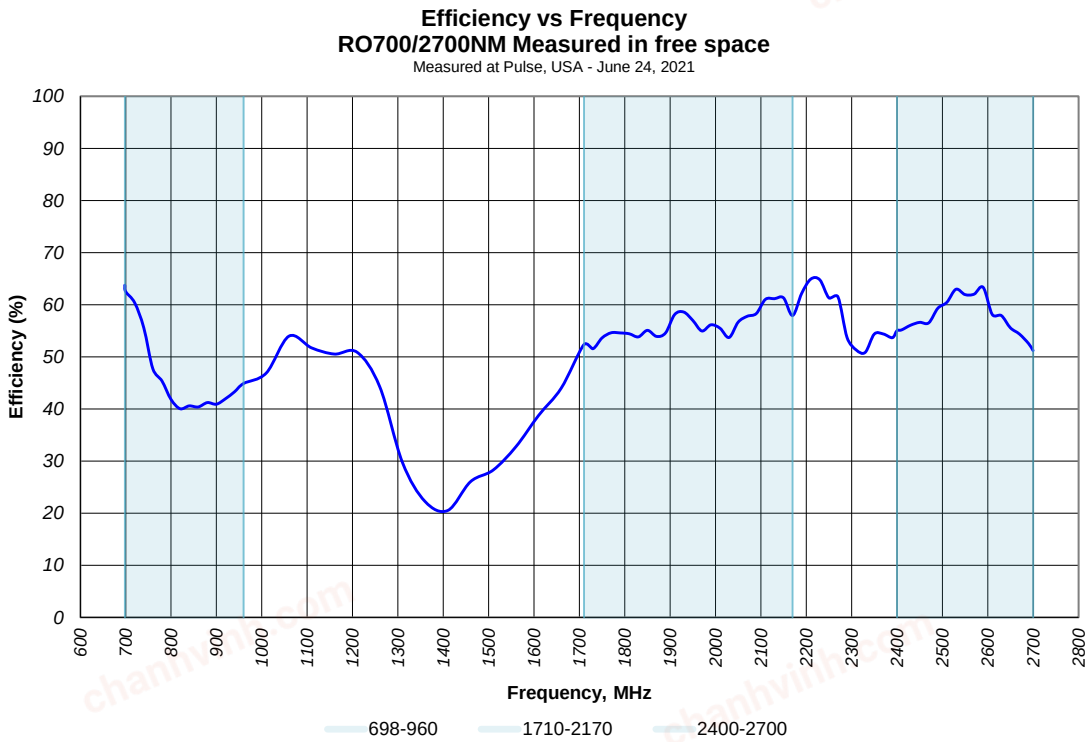
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Charts- Peak Gain and Efficiency

RO700/2700NM





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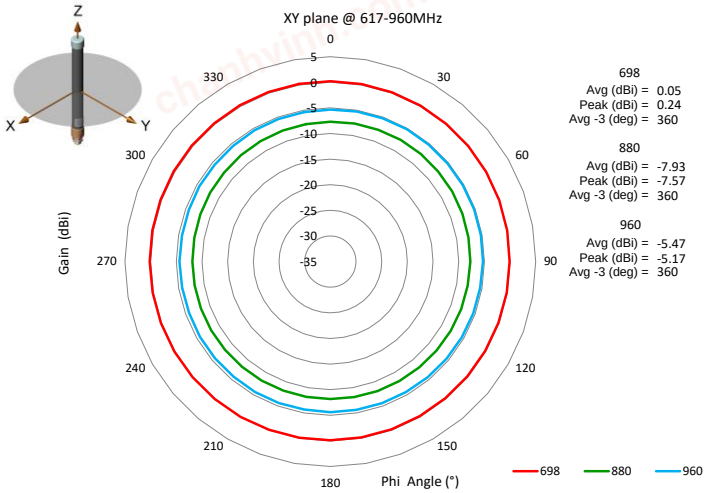
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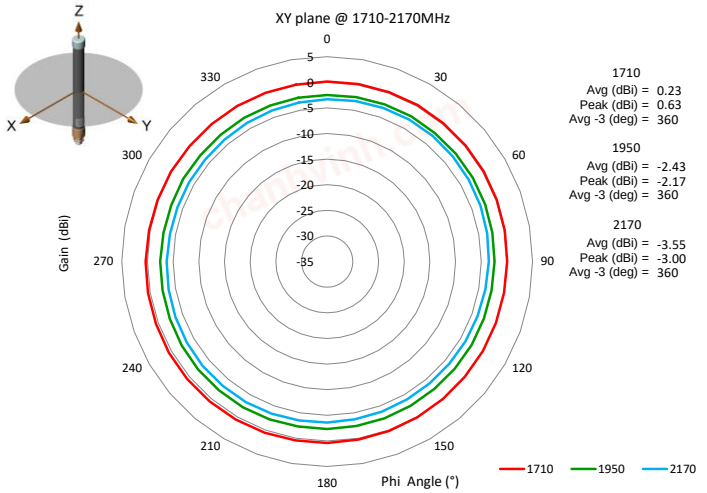
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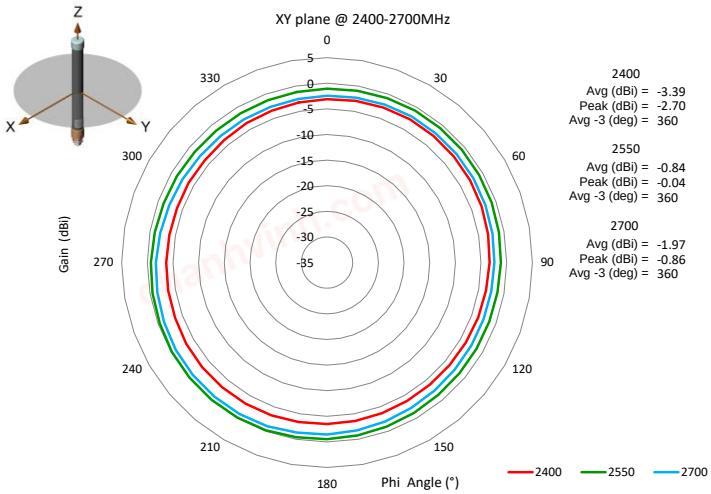
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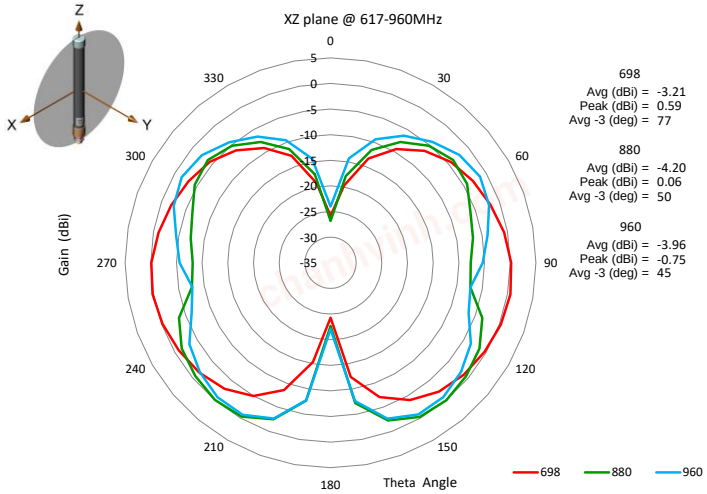
Charts- XY and XZ Gain Plots

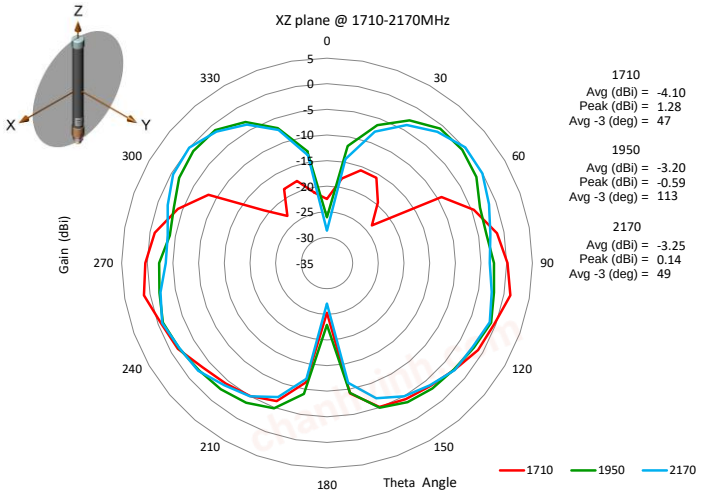
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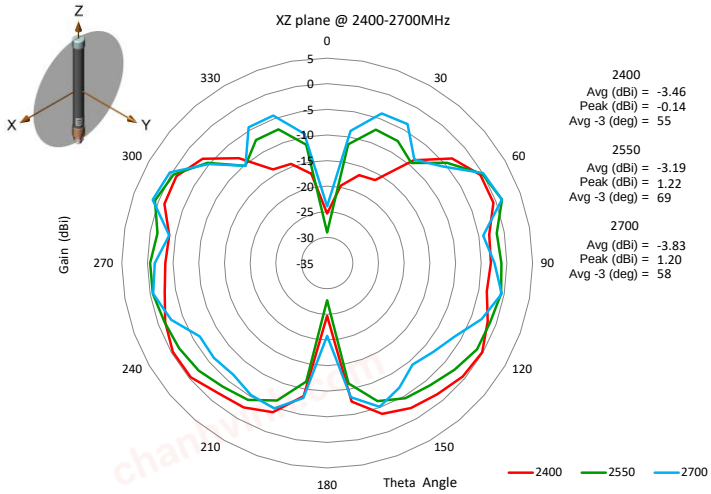












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Packaging

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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