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Low profile WiFi Antenna
SMA-Male Connector

LPTNG24-71DMG0457: 2400-2500 and 4900-7125MHz

Pulse
a YAGEO company



Features & Applications:

- *Triple band WiFi antenna for WIFI6E/ 7*
- *Ground independent antenna (w/ mounting washer)*
- *DSRC, ISM band radios*
- *Low profile, 34.5mm when mounted*
- *Indoor and outdoor use IP67 rated*
- *UL94-5VA Fire rated, UV stabilized*
- *IoT, M2M, industrial metering, base stations*
- *Perfect low-profile antenna for non-metallic utility boxes*

Electrical specifications @ 25° C – Operating Temperatures – 40°C to +80°C					
Frequency Bands – 2400-2500MHz & 4900-7125MHz					
Antenna type	**Nominal Impedance**	**Polarization**	**Radiation pattern**	**Power withstanding**	**DC Ground**
Monopole	50Ω	Linear	Omni	3W	No

Port	**Frequency (MHz)**	2400-2500	4900-7125
Port 1	**VSWR**	＜2	＜2.5
	Avg. Peak Gain (dBi)	2.6	2.9
	Avg. Efficiency (%)	80	64

Mechanical Specifications				
Orderable PN: LPTNG24-71DMG0457				
Dimension with connector (Diameter x Height)	**Color**	**Connector Type**	**Fixing System**	**Ingress Protection**
Φ45.50 X 50.92 mm	Black	SMA-Male	Direct Mount	IP67
Height installed	**Weight**	**Flame rating**	**Mounting stud**	**Cable Style and Length**
34.5 mm (After compression)	193 grams	UL94-5VA	Brass	RG316 (1.5Ft)

Notes:

1. Measured with 60mm diameter mounting washer. No additional ground is required.
2. Mounting hole diameter: > 17.8mm.
3. Operating temp and Storage temp to be -40℃～85℃.
4. Plastic Radome flame rating to be UL94-5VA V0, shell thickness requirement to be 3mm.
5. Physical: Dimensional stability, Value to be 0.0%, Test method to be ASTMD1042 ISO2796.

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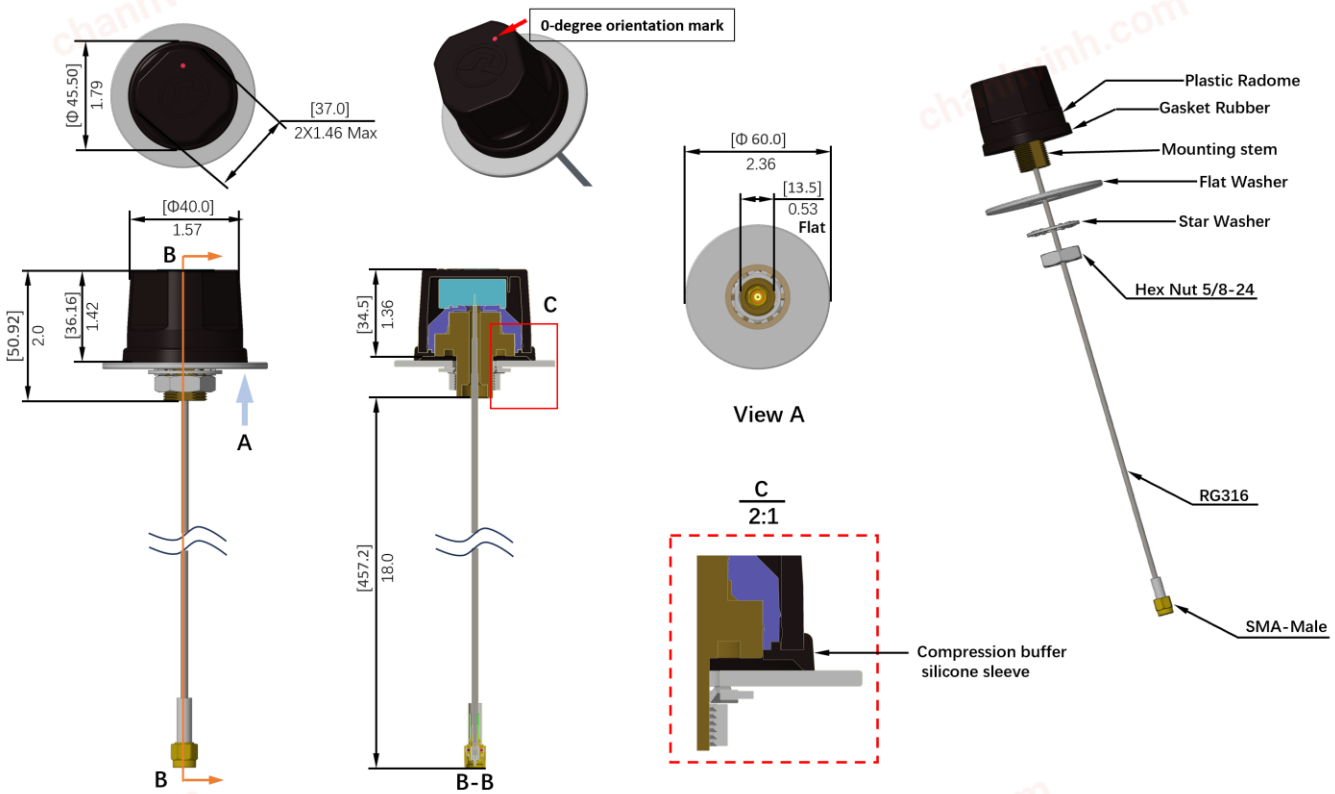
Mechanical Drawing

LPTNG24-71DMG0457



Testing Setup

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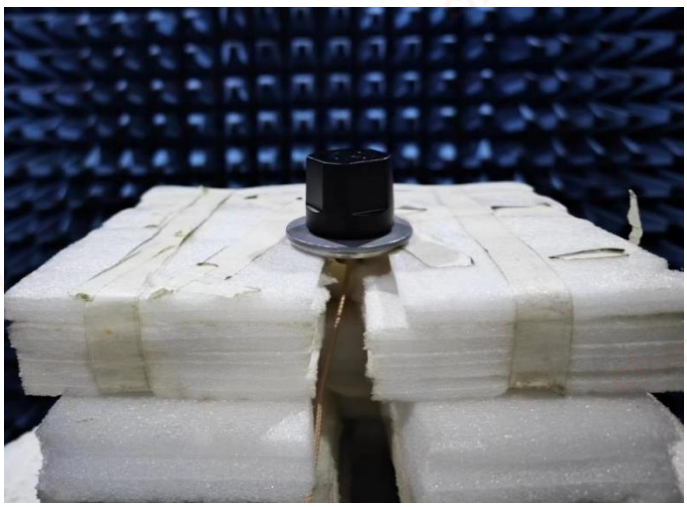

Measured with 60mm diameter mounting washer and 1.5ft (457mm) long cable

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Charts- VSWR, Efficiency, and Peak Gain

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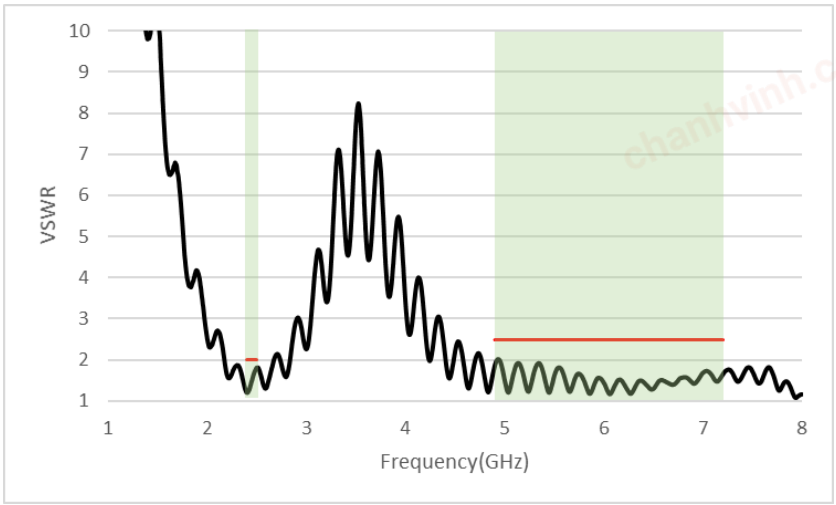

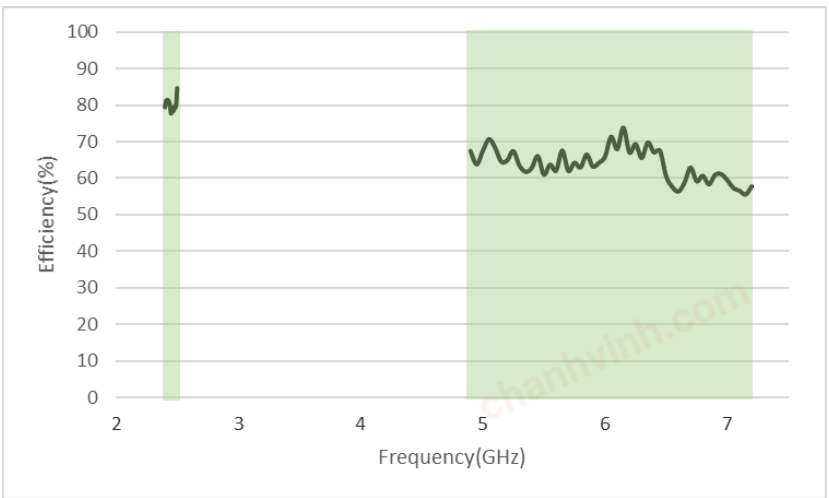

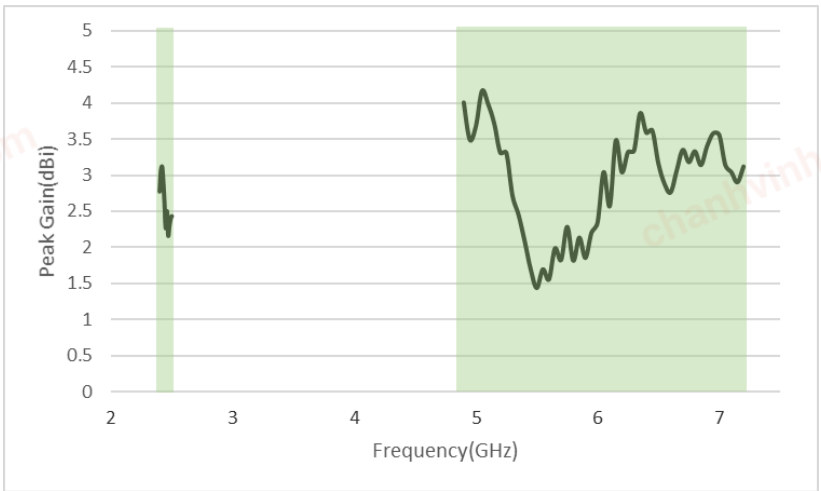

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Charts- XY Gain Plots

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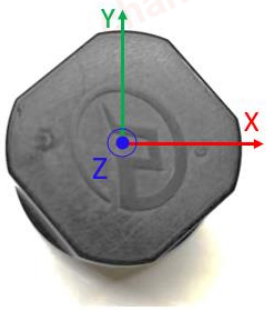

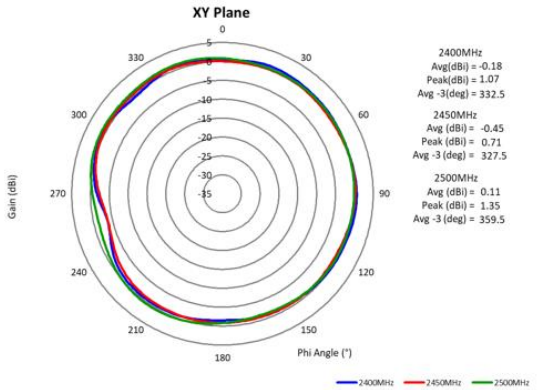

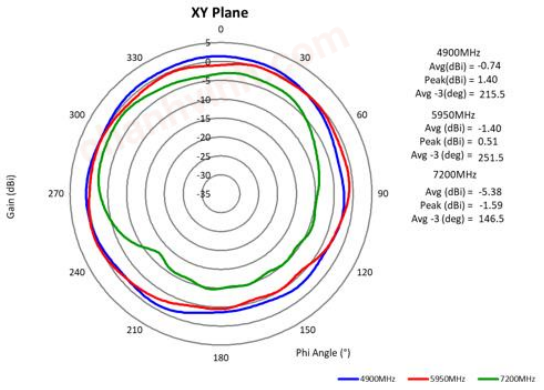

Charts – ZX Gain Plots

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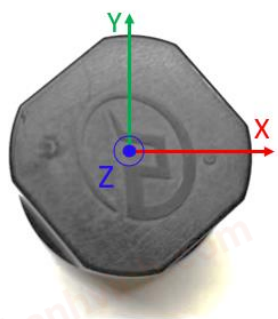

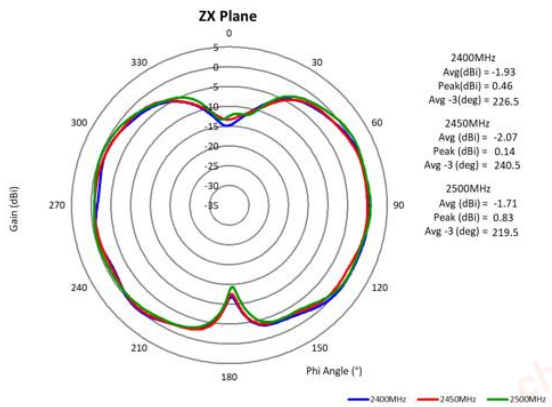

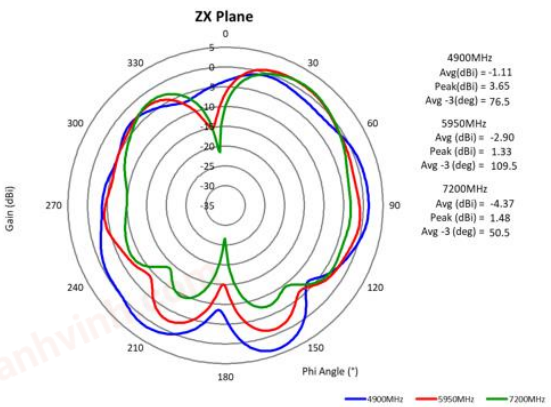

Charts – YZ Gain Plots

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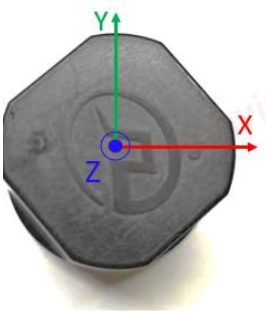

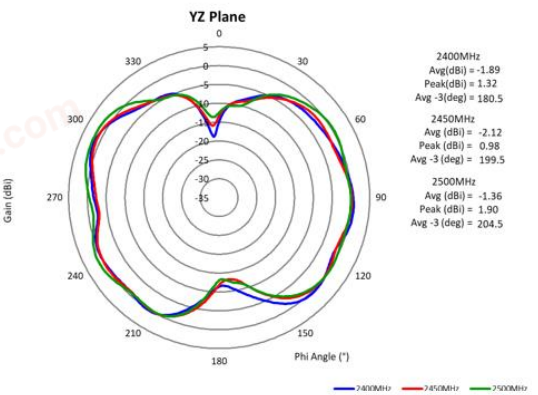

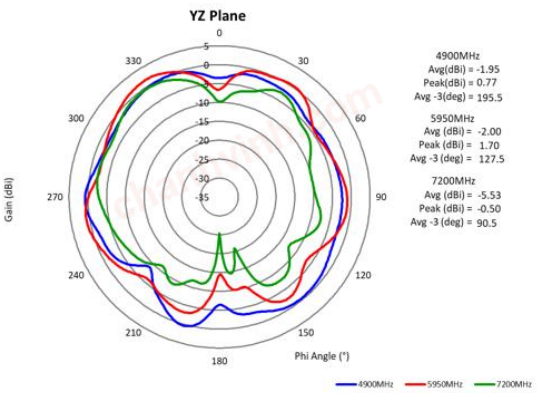

Measured with 60mm diameter mounting washer and 1.5ft (457mm) long cable

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Packaging

LPTNG24-71DMG0457

1. Antennas packed in a plastic bag.
2. Label on each plastic bag with part number, description, date code.
3. Out box:400X300X300mm, 48Pcs/Box;

For More Information:
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