

Low profile WiFi Antenna SMA-Male Connector

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



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:

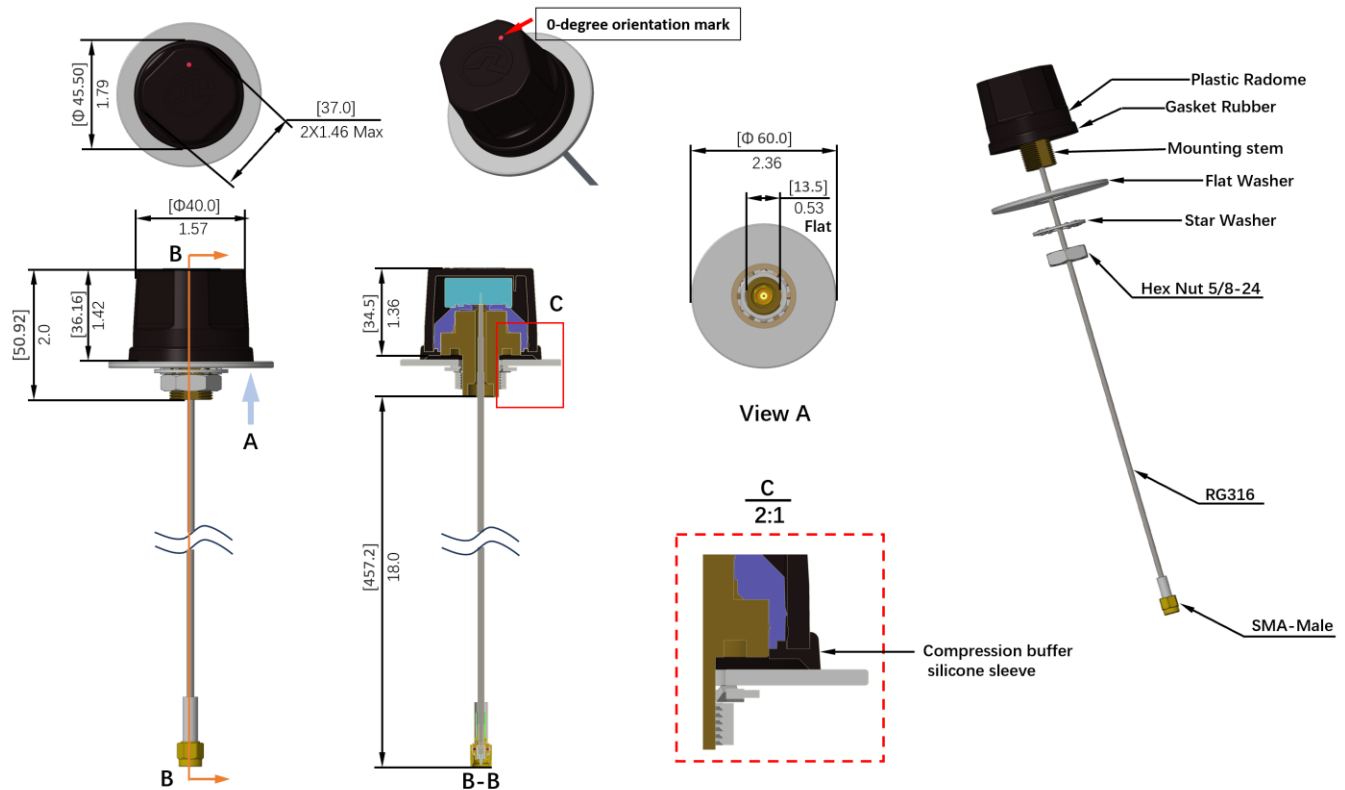
1. Measured with 60mm diameter mounting washer. No additional ground is required.
2. Mounting hole diameter: > 17.8mm.
3. Operating temp and Storage temp to be -40°C ~ 85°C.
4. Plastic Radome flame rating to be UL94-5VA V0, shell thickness requirement to be 3mm.
5. Physical: Dimensional stability, Value to be 0.0%, Test method to be ASTM D1042 ISO 2796.

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Mechanical Drawing

LPTNG24-71DMG0457



Testing Setup

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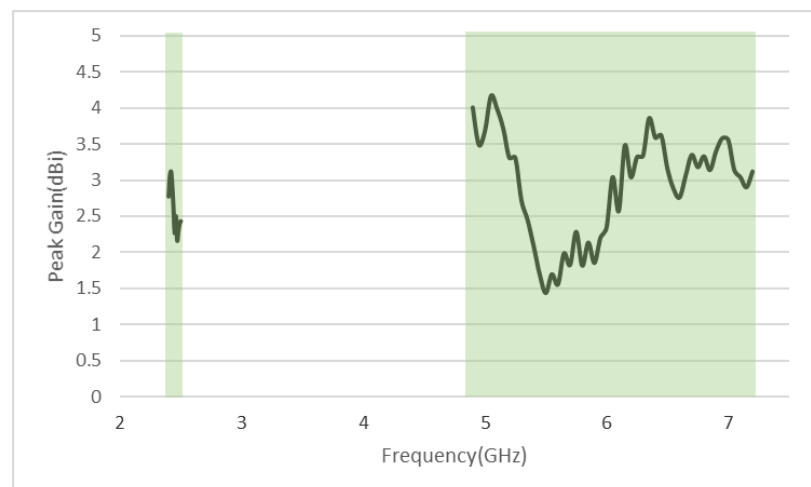
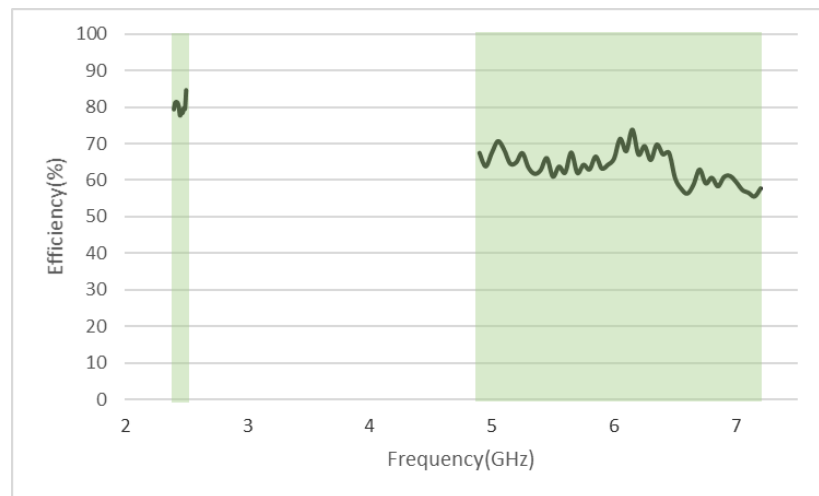
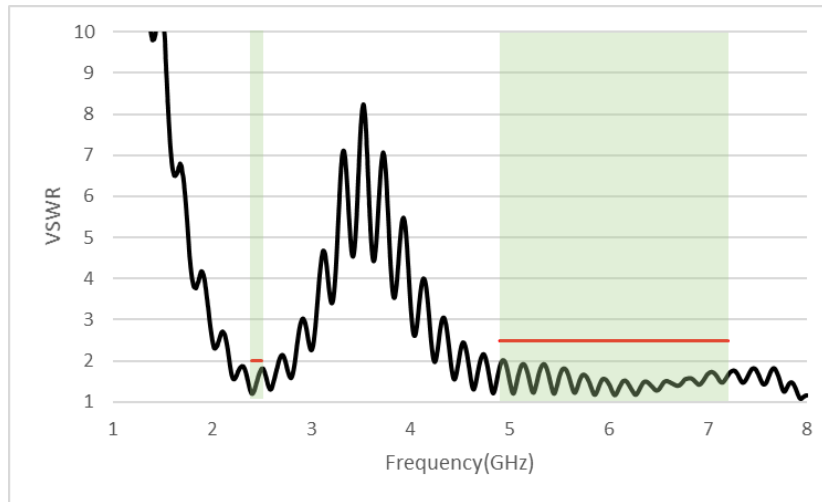
Measured with 60mm diameter mounting washer and 1.5ft (457mm) long cable

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Charts- VSWR, Efficiency, and Peak Gain

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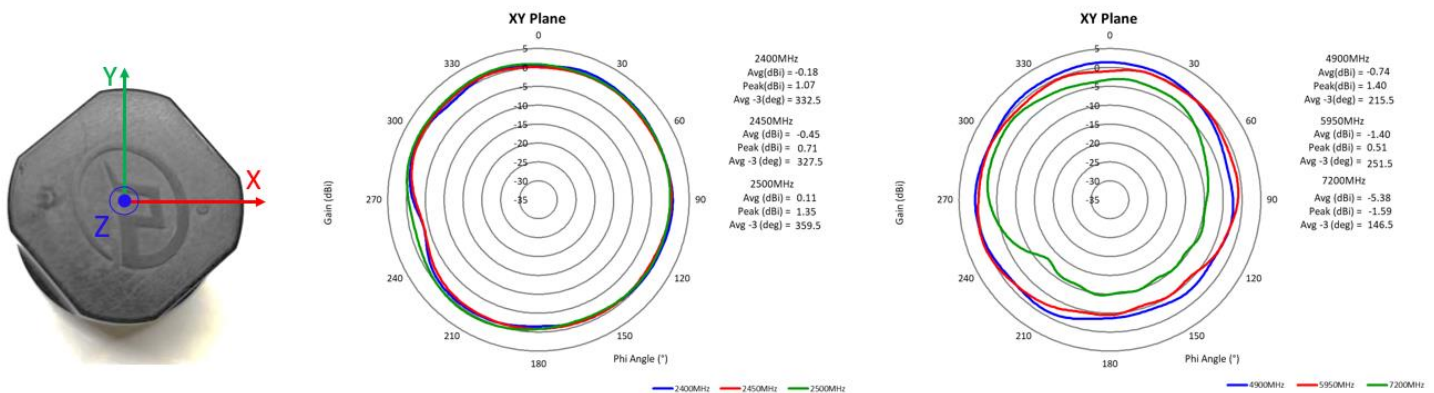


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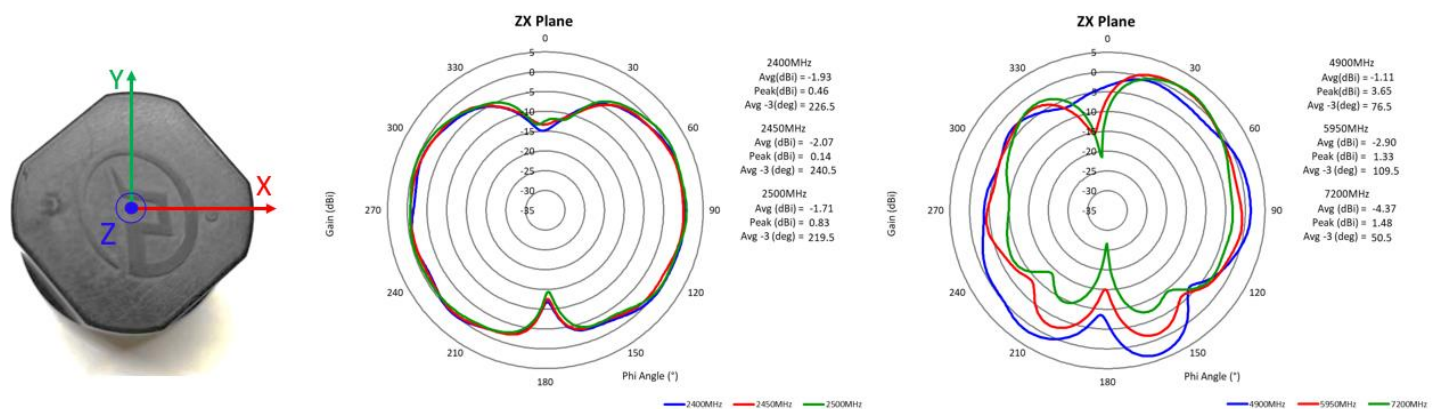
Charts- XY Gain Plots

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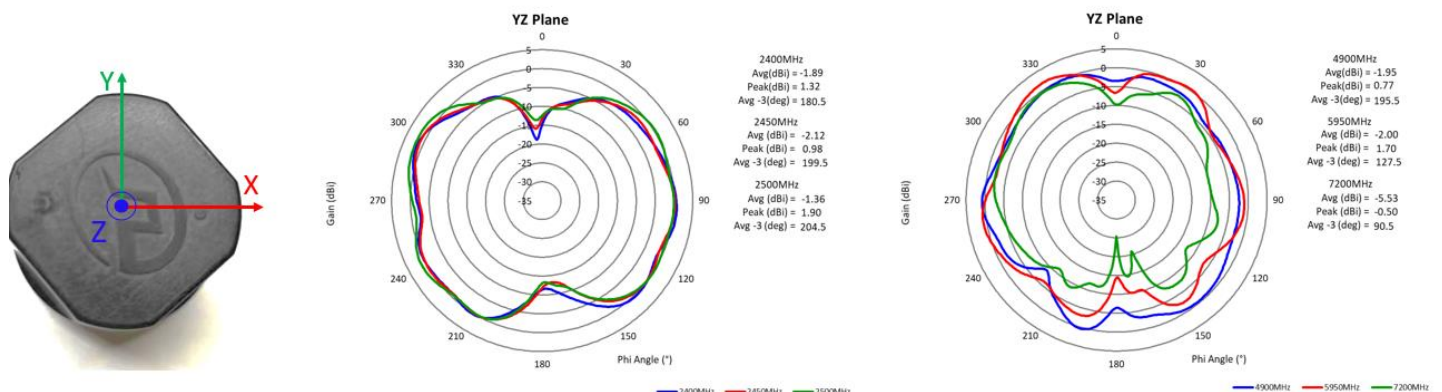
Charts – ZX Gain Plots

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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

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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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