

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:

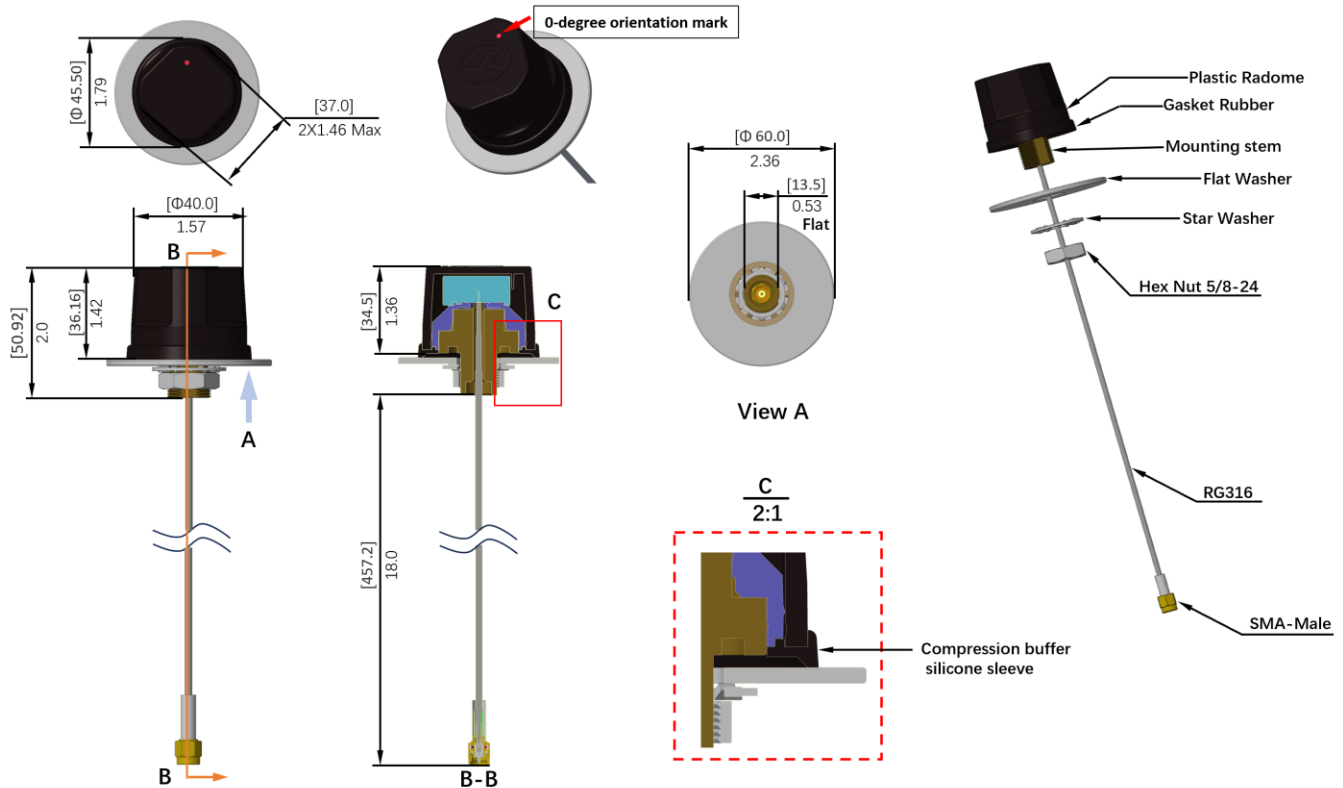
1. Measured with 60mm diameter mounting washer. No additional ground is required.
2. Mounting hole diameter: > 17.8mm.
3. Operating temp and Storage temp to be -40°C ~ 85°C.
4. Plastic Radome flame rating to be UL94-5VA V0, shell thickness requirement to be 3mm.
5. Physical: Dimensional stability, Value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

Low profile WiFi Antenna SMA-Male Connector

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

Mechanical Drawing

LPTNG24-71DMG0457



Testing Setup

LPTNG24-71DMG0457



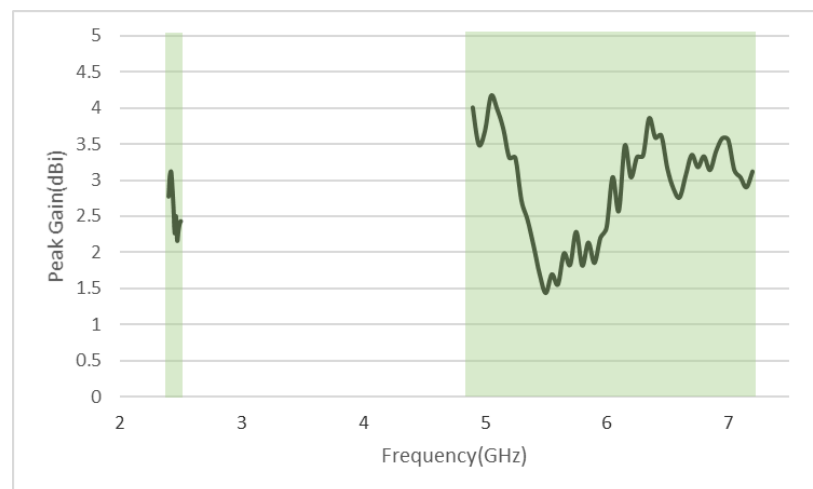
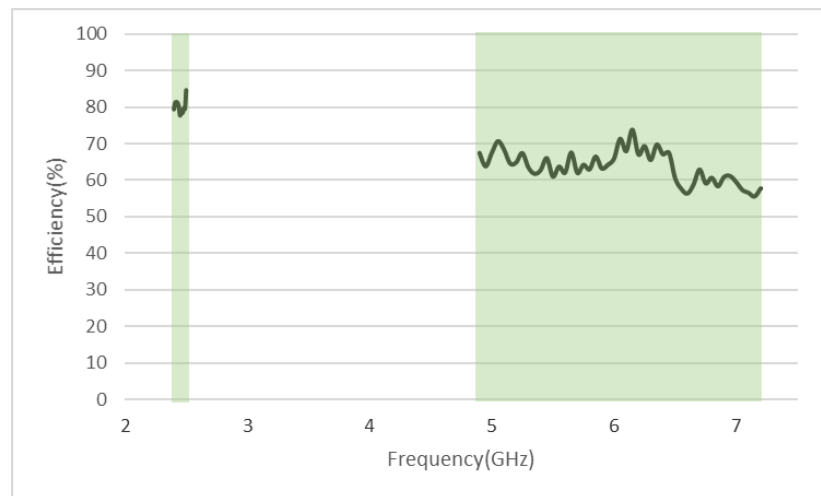
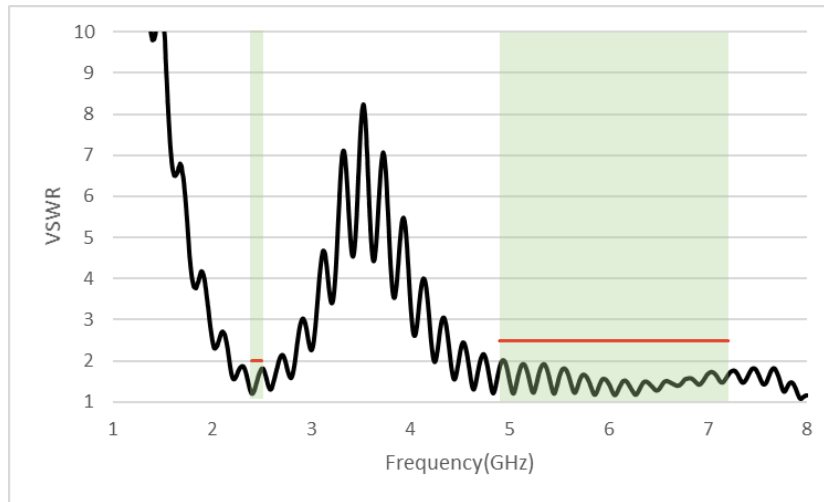
Measured with 60mm diameter mounting washer and 1.5ft (457mm) long cable

Low profile WiFi Antenna SMA-Male Connector

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

Charts- VSWR, Efficiency, and Peak Gain

LPTNG24-71DMG0457

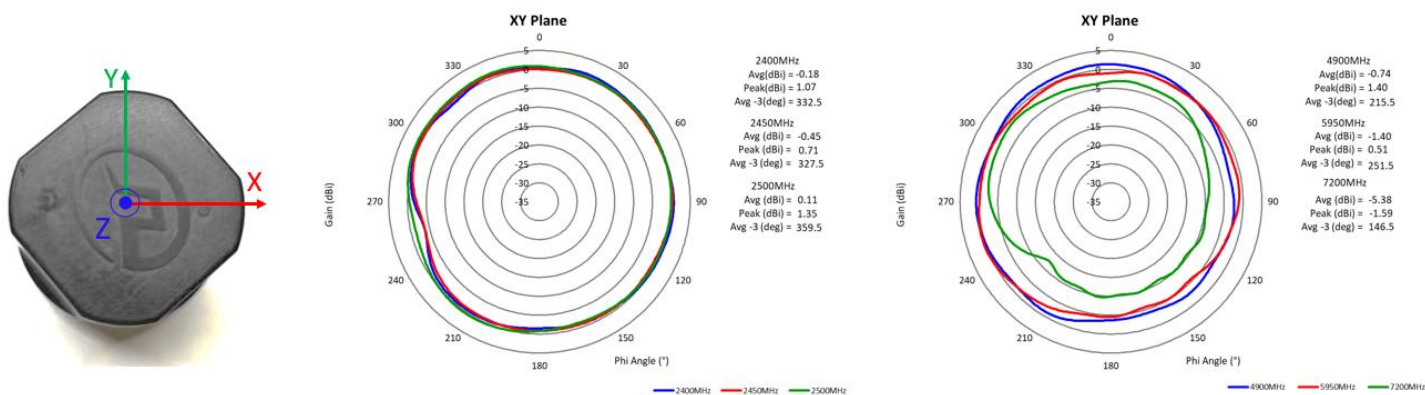


Low profile WiFi Antenna SMA-Male Connector

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

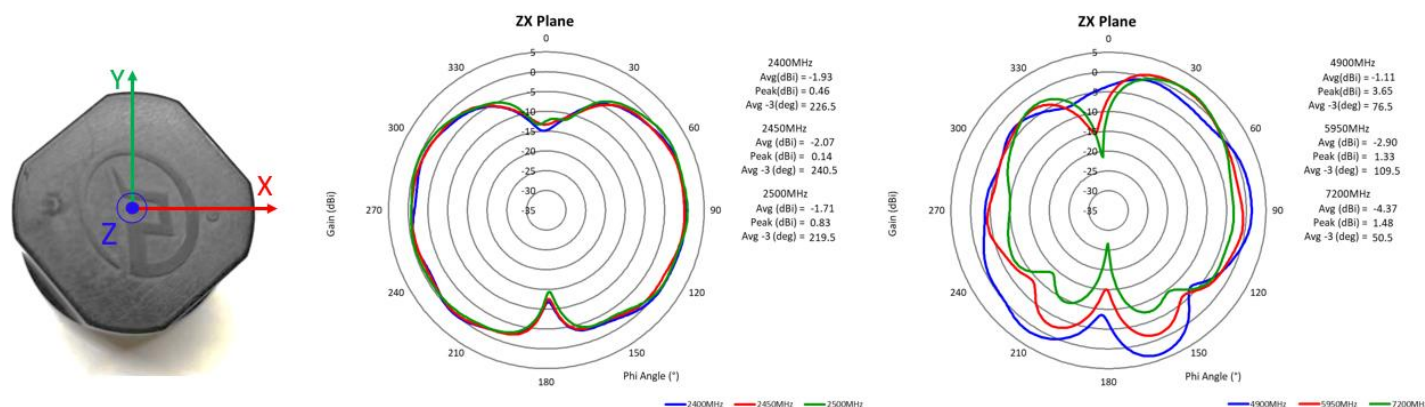
Charts- XY Gain Plots

LPTNG24-71DMG0457



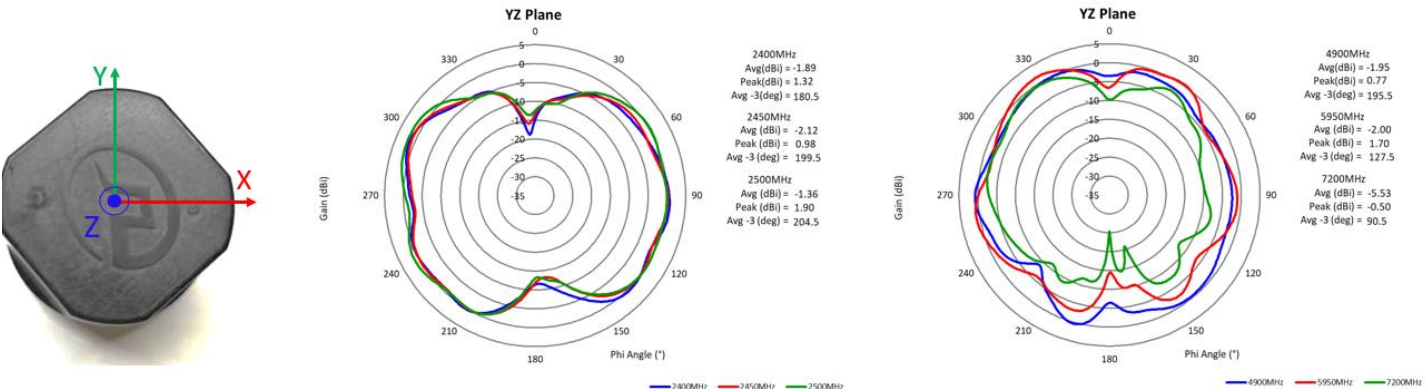
Charts – ZX Gain Plots

LPTNG24-71DMG0457



Charts – YZ Gain Plots

LPTNG24-71DMG0457



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

Low profile WiFi Antenna SMA-Male Connector

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

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:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - 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.
Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128

'YAGEO Corporation and its affiliates do not recommend the use of commercial, automotive, and/or COTS grade products for high reliability applications or manned space flight.'

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Pulse:](#)

[LPTNG24-71DMG0457](#)