Low Profile WiFi Antenna
N-Female Connector

LPT2400/71DMN: 2400-2500 and 4900-7125MHz

You Connect the World. We Make it Easy.®

Features & Applications:

- *ISM band radios*
- *DSRC*
- *WLAN, WIFI 6E / 7*
- *Indoor and outdoor use IP67 rated*
- *IoT, M2M, industrial metering, base stations*

Electrical specifications @ 25° C – Operating Temperatures – 40°C to +80°C					
Frequency Bands – 2400-2500MHz					
Antenna type[2]	**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
	Return Loss(dB)	< -10	< -7.5
	Avg. Peak Gain (dBi)	5.3	7.8
	Avg. Efficiency (%)	82	75

Mechanical Specifications				
Orderable PN: LPT2400/71DMN				
Dimension with connector (Diameter x Total Height)	**Color**	**Connector Type**	**Fixing System**	**Ingress Protection**
Φ45.5X62.84mm	Black	N-Female	Direct Mount	IP67
Height installed	**Weight**	**Operating temp**	**Storage temp**	**Mounting hole dia**
34.5mm	103 grams	-40°C to 85°C	-40°C to 85°C	Φ15.9 mm (0.625”)

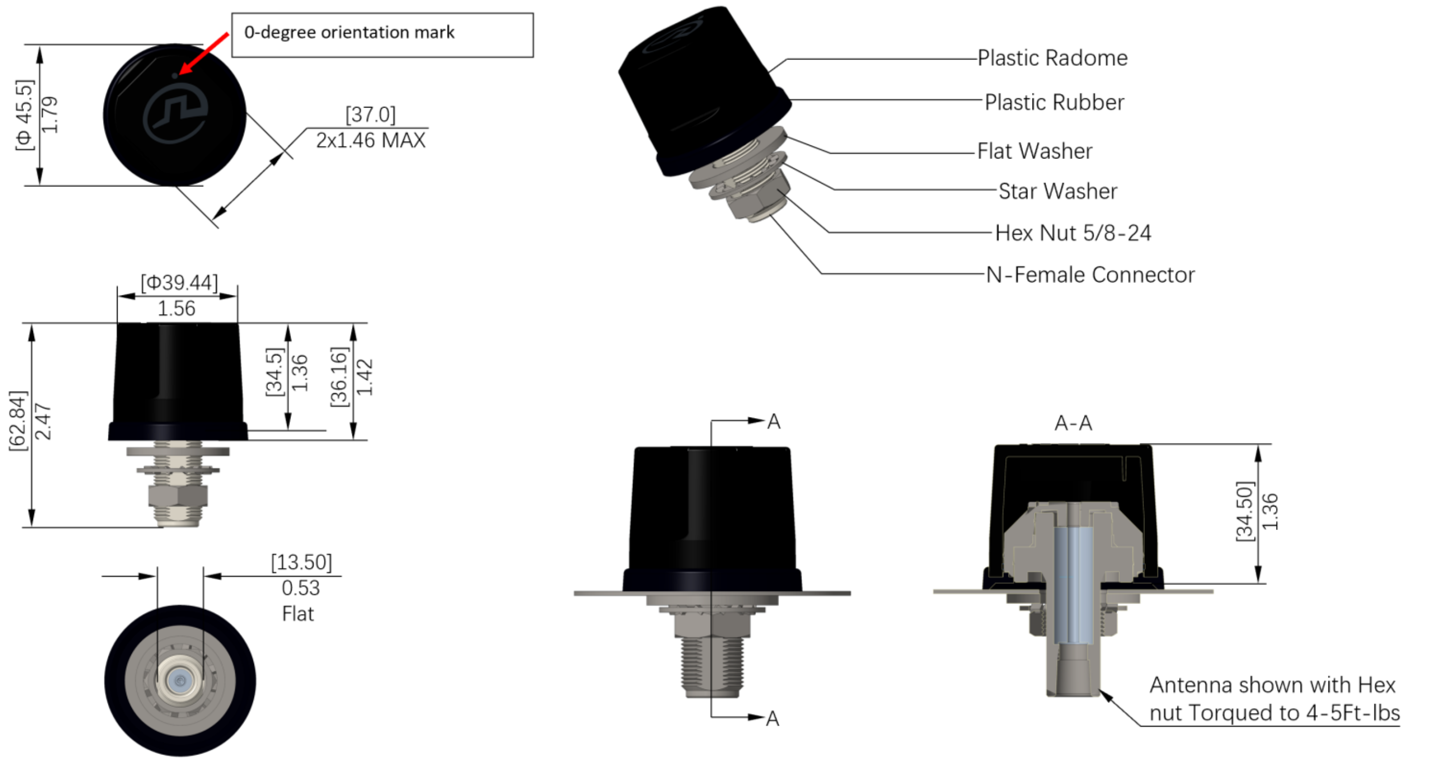
Family Products – LPT WiFi						
LPT WiFi 6E17 Products-2400-2500/4900-7125MHZ						
Orderable P/N	**No. of Total Ports**	**Siso/MiMo**	**Cable length**	**Connector**	**Ground Independent**	**Note**
LPT2400/71DMN	1	Siso	No	N-Female	No	
LPTNG2400/71DMN	1	Siso	No	N-Female	Yes	
LPTNG24-71DMG0457	1	Siso	457mm(1.5Ft)	SMA-Male	Yes	
LPTNG2471M2DMG0457	2	2xMiMo	457mm(1.5Ft)	SMA-Male	Yes	

Notes:

1. Measured on 300mm (12”) round ground plane.
2. LPT2400/71DMN comes in black, for white add the suffix W and PN becomes LPT2400/71DMNW.

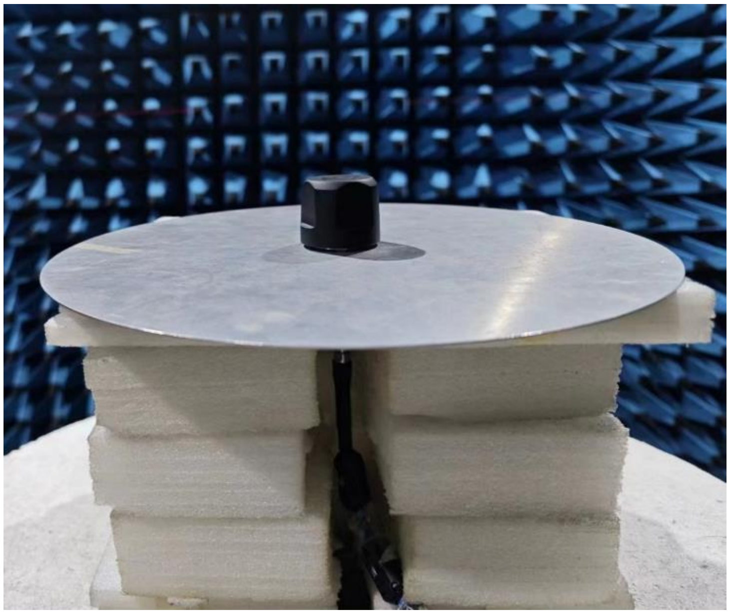
Mechanical Drawing

LPT2400/71DMN



Testing Setup

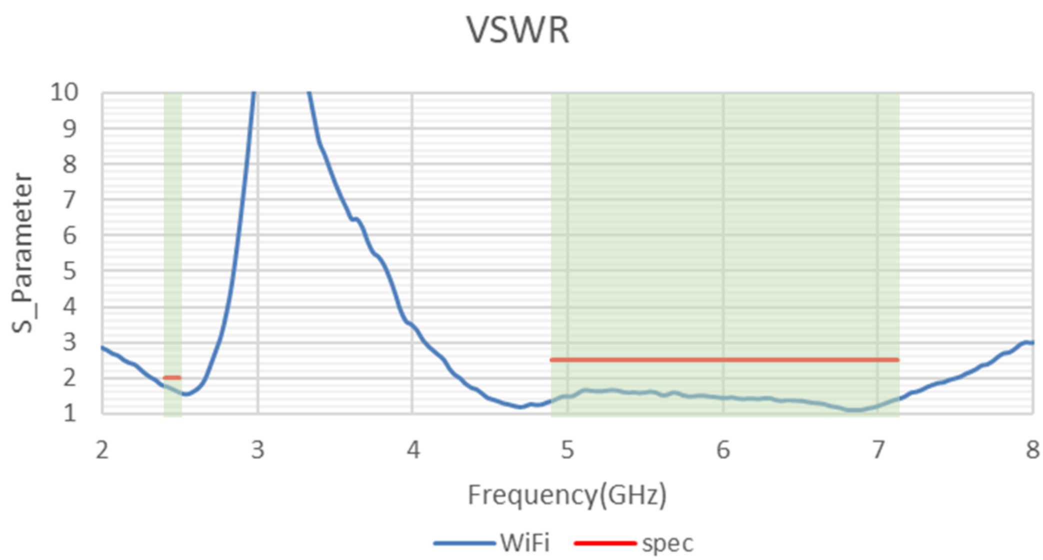
LPT2400/71DMN

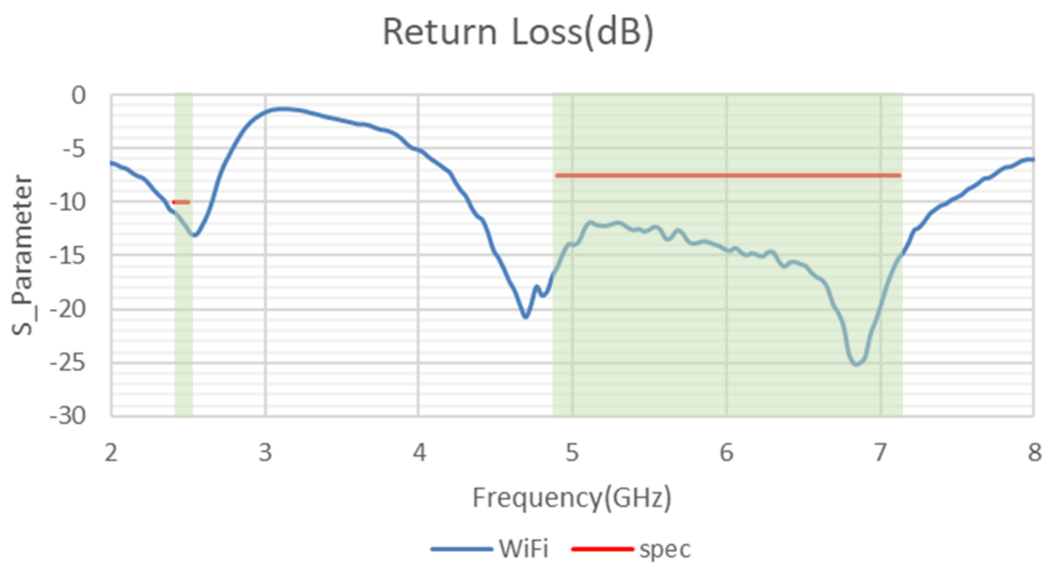


Tested on diameter 300mm Ground plane

Charts- VSWR and Return Loss

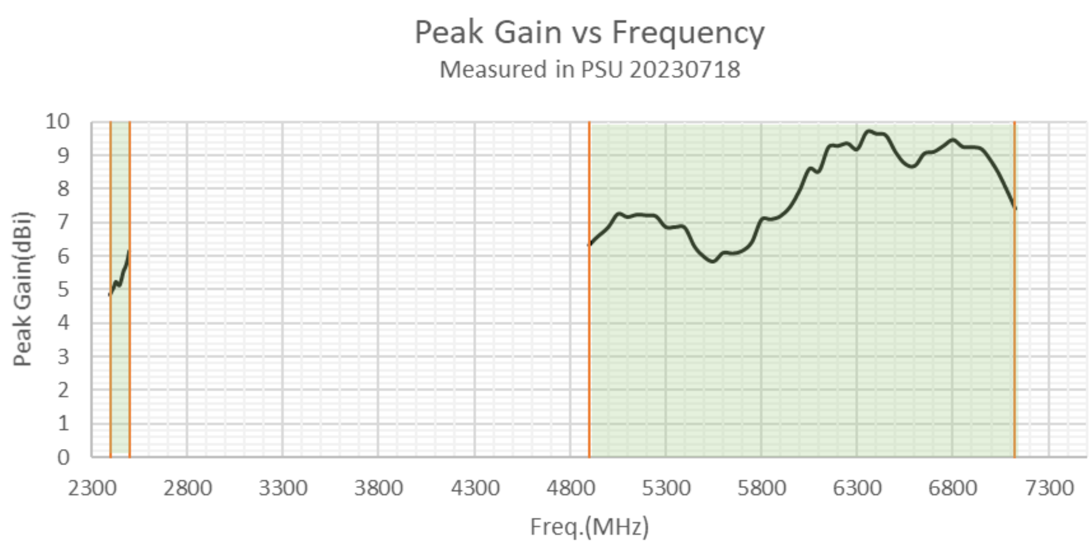
LPT2400/71DMN





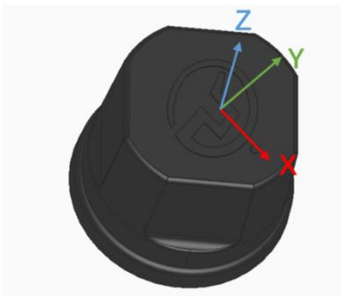
Charts- Efficiency and Peak Gain

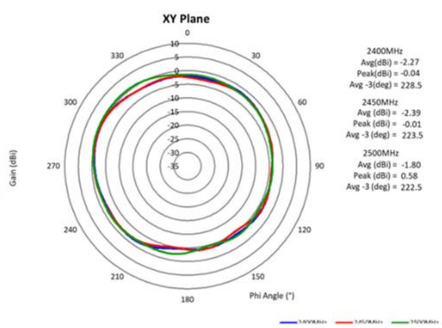
LPT2400/71DMN

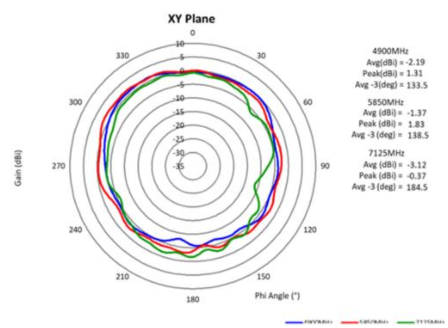


Charts- XY Gain Plots

LPT2400/71DMN

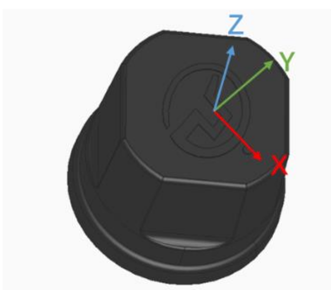


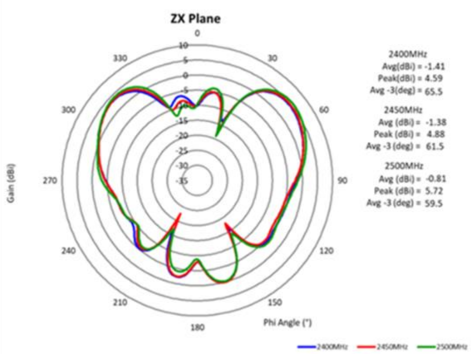


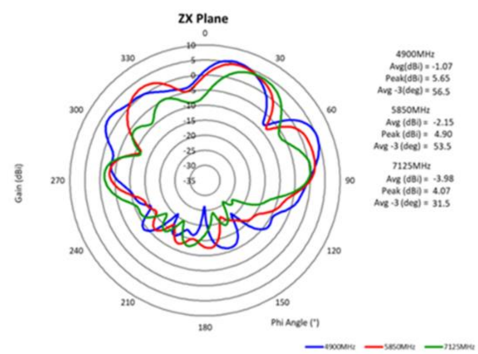


Charts – ZX Gain Plots

LPT2400/71DMN

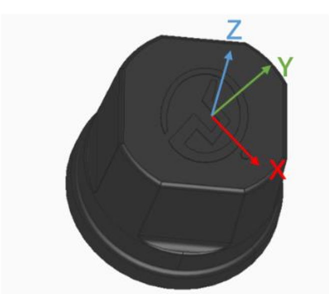


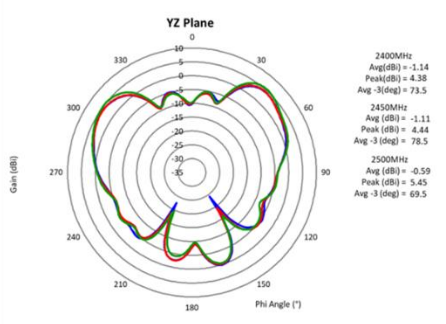


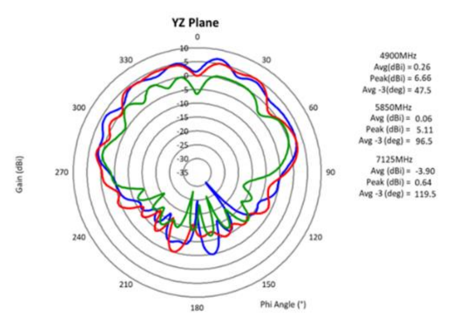


Charts – ZY Gain Plots

LPT2400/71DMN







Packaging

LPT2400/71DMN

1. Antennas packed in a plastic bag.
2. Label on each plastic bag with part number, description, date code.
   Out box: 460X235X140mm, 21Pcs/Box;

For More Information:
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