



The Laird vehicular four-port MIMO Wi-Fi disk puck antenna covers the 2400-2500 MHz/ 4900-5925 MHz bands. The VLQ24593xN4N is configured with four-port, dual-band elements.

The four Wi-Fi ports have RP-SMA male cable plug connectors. The housing incorporates a low-profile, rugged design that meets IP67 standards. The antenna also features high impact, UV-resistant polycarbonate plastic available in black or white.

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2400-2500 MHz	4900-5925 MHz
Number of Ports	4-ports (Wi-Fi)	
VSWR – Avg	< 1.4:1	< 1.4:1
VSWR – Max	< 2.0:1	< 2.0:1
Gain Horizon 30° - Max (dBi)	N/A	3.5
Typical Port-to-Port Isolation **	2400-2500 MHz	4900-5925 MHz
Port 1-to-Port 2	> 23 dB	> 28 dB
Port 1-to-Port 3	> 20 dB	> 26 dB
Port 1-to-Port 4	> 20 dB	> 26 dB
Port 2-to-Port 3	> 25 dB	> 26 dB
Port 2-to-Port 4	> 21 dB	> 26 dB
Port 3-to-Port 4	> 21 dB	> 28 dB
Port-to-Port Isolation **, Max	> 20 dB	> 26 dB
Nominal Impedance (Ohms)	50 Ω	
Max Power - Ambient 25°C (W)	10 Watt per port	
Power Handling (W)		
Polarization	Vertical Linear	
Azimuth Beam Width	Omnidirectional	

* Measured on 1 ft. (30.48 cm) diameter ground plane

** Measured with 17 ft. (518 cm) cable

MECHANICAL SPECIFICATIONS

Dimensions	127 mm x 38.5 mm (5.0" x 1.52")
Weight	Approximately 0.91 kg (2.01 lbs)
Cable Type	LMR195M- 518.2 cm (17 ft)
Radome Material	PC, UL94 - V0 Rating, UV Stable

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature (°C)	-35°C to +75°C (-31°F to +167°F)
Storage Temperature (°C)	-35°C to +80°C (-31°F to +176°F)
IP Dust & Water Ingress Protection Rating	IP67
Material Substance Compliance	RoHS

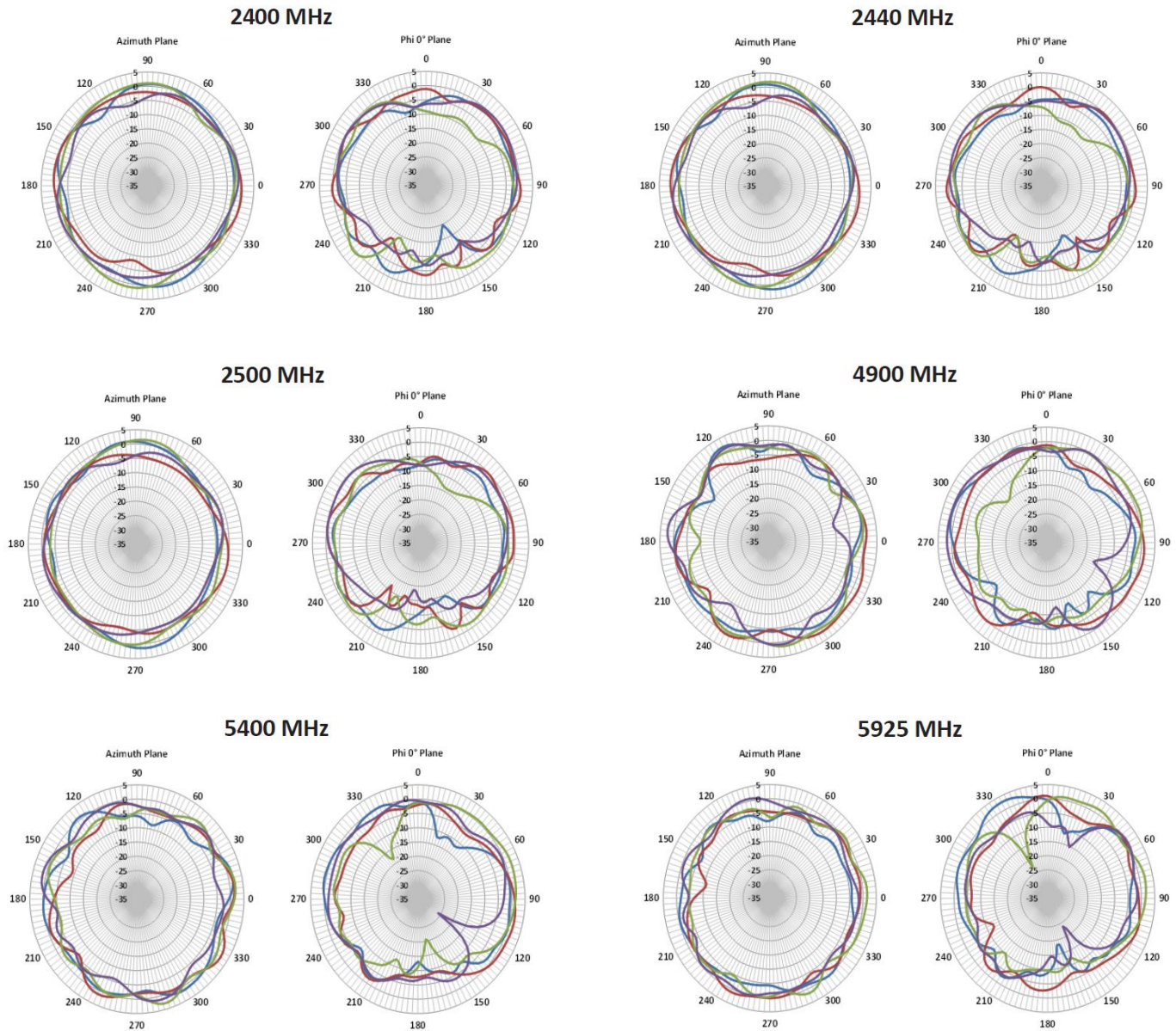
GPS ANTENNA SPECIFICATIONS

Connector	4 x RP-SMA-Male Cable Plug
Cable – Exposed Length	LMR195M- 518.2 cm (17 ft)

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR	COLOR
VLQ24593BN4N-518B	518 cm (17 ft)	4x- RP-SMA male	Black
VLQ24593WN4N-518B	518 cm (17 ft)	4x- RP-SMA male	White
VLQ24593BN4N-213G	213 cm (7 ft)	4x- SMA male	Black
VLQ24593WN4N-213G	213 cm (7 ft)	4x -SMA male	White

RADIATION PATTERNS



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