



GPSD4503P

Phantom Low Profile Dual Band - UHF/GPS, Roof Mount 450-470 MHz

Laird's unique Phantom dual band UHF / GPS antenna is designed for heavy duty, high performance applications and operates at maximum effectiveness when mounted on a 10" diameter (min.) ground plane surface. A threaded permanent stud mount provides vandal resistant vehicle mounting. The Phantom can also permanently mount to brackets, panels or any other kind of housing with proper ground plane surface.

FEATURES AND BENEFITS

- High performance mobile antenna operates on a 10" diameter (min.) ground plane
- Designs cover low profile to pure performance mobile applications
- Easy installation with the roof mount permanently-installed
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	450-470
VSWR -max	2:1
Peak Gain (dBi)	3
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Vertical Plane 3 dB Beamwidth Port 1 (o)	146
Horizontal Plane 3 dB Beamwidth Port 1 (o)	360

MECHANICAL SPECIFICATION

Dimensions - base diameter x height - cm (inches)	7.62 x 8.89 (3.0 x 3.5)
Radome Color	Black or white
Radome Material	ABS

ENVIRONMENTAL SPECIFICATION

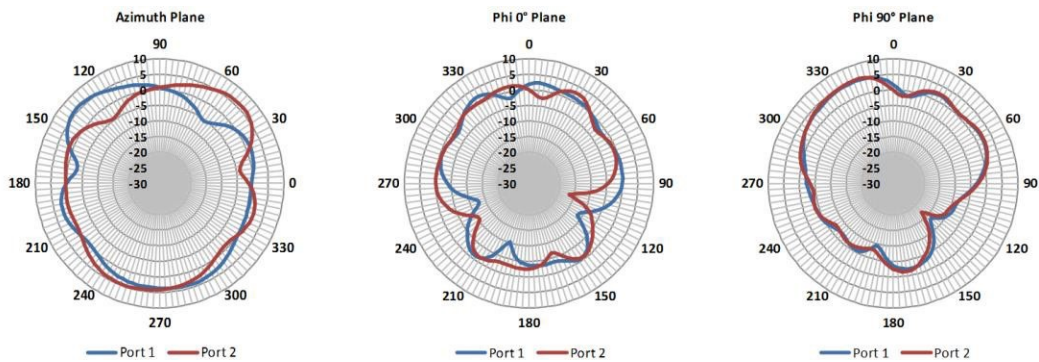
Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Material Substance Compliance	RoHS

CONFIGURATION

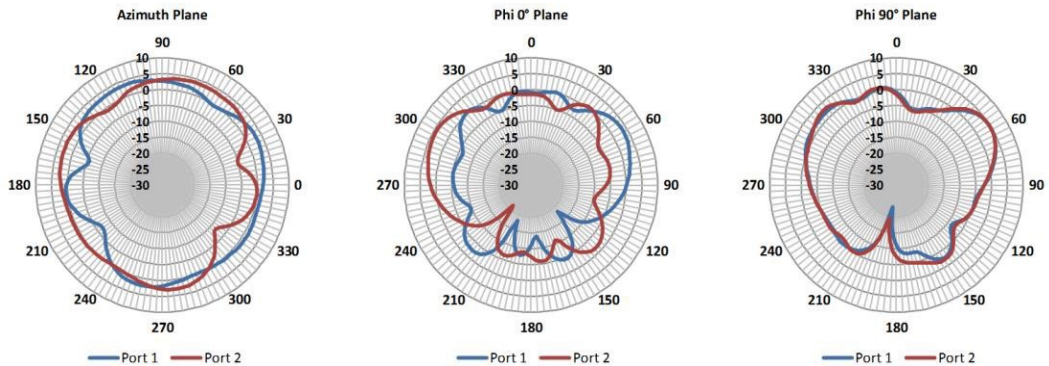
PART NUMBER	CABLE TYPE AND LENGTH	CONNECTOR
GPSD4103P	Dual Band Phantom 410-425 MHz & GPS, Roof Mount	N-Male/Radio, SMB Plug/GPS
GPSD4503P	Dual Band Phantom 450-470 MHz & GPS, Roof Mount	N-Male/Radio, SMB Plug/GPS
GPSD4903P	Dual Band Phantom 490-512 MHz & GPS, Roof Mount	N-Male/Radio, SMB Plug/GPS
GPS16412	Dual Band Phantom 410-425 MHz & GPS, Roof Mount	BNC male not installed
GPSD4501SP3-TL1	Dual Band Phantom 450-470 MHz & GPS, Roof Mount	SMA Male/GPS & Mini UHF Male/Radio
GPSD4501SP3-001	Dual Band Phantom 450-470 MHz & GPS, Roof Mount	Mini UHF Male/Radio, SMA Male/GPS

RADIATION PATTERNS

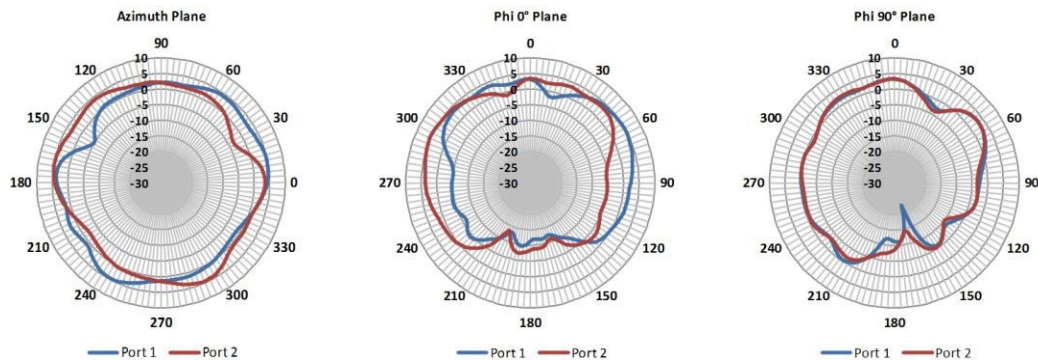
3300 MHz



3700 MHz



4200 MHz



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