



Smart Technology. Delivered.

Voyager®

Base Antennas

VG1502 VG1505 VG4505

150-174 MHz / 450-512 MHz

The Laird Voyager® is field tunable for fast field installation and deployment. The rugged design provides high performance in harsh environments. The Voyager® is intended for applications that require weather durability, ease of installation and higher gain. Features include 6061-T6 aluminum construction and a patented broadband internal matching network. gold anodized aluminum construction and plated brass "N" connectors. Each VOYAGER® is tested on a HP® network analyzer prior to shipment.

FEATURES / BENEFITS

- **Patented internal matching:** Will not ice up, corrode, or de-tune.
- **Internally potted:** Eliminates moisture build up and is vibration resistant.
- **Gold anodized:** Harder than diamonds coating that is corrosion resistant and durable
- **UV inhibiting insulators:** Will not crack or disassemble with UV exposure.
- **Nickel plated brass connector:** Will not seize or gall like aluminum.
- **Available FM2 mounting kit:** For the fastest, easiest, and most durable mounting.

SPECIFICATIONS

ELECTRICAL

Frequency range	See chart
VSWR	< 1.5:1
Nominal gain	See chart
Maximum power	250 W
Nominal impedance	50 Ω
Vertical Beamwidth	2 dBi: 70°, 5 dBi: 35°
Bandwidth @ 1.5:1 VSWR	2 dBi: 5% of center frequency. 5dBi: 2.5% of center frequency. 6 dBi: 2% of center frequency.
Bandwidth @ 2.0:1 VSWR	2 dBi: 10% of center frequency. 5dBi: 5% of center frequency. 6 dBi: 4% of center frequency.
Termination	N Female
Lightning Protection	DC Ground

MECHANICAL

Finish	Gold Anodized
Radiator Material	6061-T6 Aluminum Tube
Wind Survival	100 M.P.H. (Standard)
Length	VHF: 0 dBi 55", 5dBi 102" UHF: 0 dBi 25", 5 dBi 35" typical extended
Weight	VHF Unity: 1.2 lbs. VHF 5dBi: 2.5 lbs. UHF Unity: 0.6 lbs. UHF 5 dBi 1.5 lbs.
Equivalent Flat Plate Area	VHF Unity: 36"² VHF 5 dBi: 72"² UHF Unity: 15"² UHF 5 dBi: 22"²
Windthrust @ 100 M.P.H. & 0°F	VHF Unity: 4.5 lbs. VHF 5 dBi: 11.6 lbs. UHF Unity: 2.5 lbs. VHF 5 dBi: 4 lbs.
Mounting information (sold separately)	FM2 All VHF & UHF Models

ORDERING GUIDE

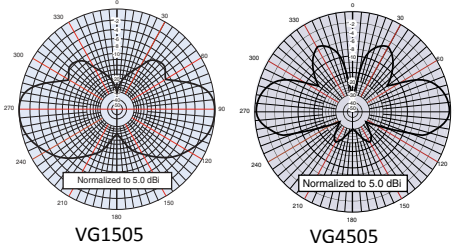
Model	Frequency	Gain
VG1502	150-174 MHz	2 dBi
VG1505	150-174 MHz	5 dBi
VG4505	450-512 MHz	5 dBi
FM2	Mounting Bracket (1 pair)	



VG1502 VG4505

Patented Internal Match - Patent #5,612,705

RADIATION PATTERNS



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