

TACTICAL ROVER® CLS ANTENNA

C-, L-, and S-Band Handheld Radio-Mounted Antenna

L3Harris Tactical ROVER CLS Antenna is an excellent solution where a medium-gain, rugged, small form factor or handheld radio-mounted antenna is needed. The compact antenna has an excellent gain pattern and is easy to attach via the TNC interface connector. This antenna is often paired with L3Harris successful handheld Tactical ROVER line of products.

PRODUCT DESCRIPTION

L3Harris Tactical ROVER CLS Antenna is a compact, wideband antenna for use in a variety of handheld and mobile applications. Ruggedized design and environmentally sealed packaging provide reliable communications in harsh operating conditions. Directly mounts to the radio or can be connected through a coaxial cable for remote placement of the antenna. Weighing less than 10 ounces and capable of RF transmit power up to 40 watts, this antenna is an extremely versatile, multi-application solution.



Shown actual size



Versatile, Small
Form Factor,
Wideband Antenna

KEY FEATURES

- > Transmits and receives C-, L- and S-Bands
- > Wideband: 1.6 GHz to 5.9 GHz
- > Excellent gain-to-size-ratio antenna element
- > Rugged, water/dust-sealed design
- > Excellent omnidirectional gain pattern
- > Peak gain: +2 dB L- and S-Band, +3 dB C-Band
- > TNC RF interface connector with easy thumbscrew
- > Compatible with L3Harris handheld Tactical ROVER products

SPECIFICATIONS

Physical Characteristics

Size

- > Two versions available:
- > Original TNC thumbscrew:
3.29" (l) x 1.25" (OD)
- > Low-profile TNC thumbscrew:¹
3.06" (l) x 1.25" (OD)

Weight

- > < 10 oz.

Antenna Connector

- > TNC male (J1)

Performance Characteristics

Wideband Antenna

- > Frequency range:
 - 1.6 GHz to 5.9 GHz
- > Typical gain:
 - C-Band: 3 dBi
 - L-Band: 2 dBi
 - S-Band: 2 dBi
- > Polarization:
 - Linear (orientation)
- > Biconical omnidirectional pattern
- > Impedance: 50 ohms
- > RF power: 40 W (max)
- > Temperature:
 - Operational: -40 °C to 65 °C
 - Non-Operational: -40 °C to 85 °C

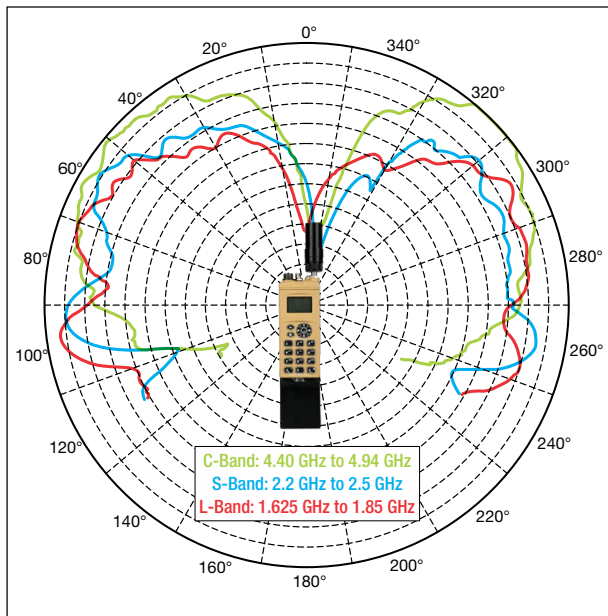
¹ Optional replacement and mandatory for use with Tactical ROVERe



ANT-202-1 mounted on ROVER handheld



Wideband antenna for use in a variety of applications



Gain Pattern Plot



Compatible with a variety of commercially available vehicle mounts

Tactical ROVER CLS Antenna

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