

RF-3192C-AT422

Rapid Deployable UHF Log Periodic Antenna Set

GENERAL	
Frequency Range	225-450 MHz
Gain	7 dBi
VSWR	Less than 2.0:1
Input Impedance	50 Ohms (nominal)
RF Power	100 W Average
Polarization	Linear, vertical or horizontal
Beamwidth in free space	E-plane 3dB 70° H-plane 3dB 110°
PHYSICAL	
LPA Antenna Dimensions	31.5 H x 5.9 W x 33.5 L in (80 H x 15 W x 85 L cm)
Stowed Size	5 H x 12 W x 49 L in (12.7 H x 30 W x 124.5 L cm)
Weight	Antenna set <14 lbs (4.54 kg) Antenna <4 lbs (1.8 kg)
Installation Time	1 min for 1 person (Mounting plate installed at Depot level)
ENVIRONMENTAL	
Temperature	Operating and storage 40°F to +159.8°F (-40°C to +71°C)
Antenna Effective Wind Area	0.2 m ²
Wind	100 mph (160kph)
INTERFACES	
RF Adapters	Type N female to Type N female Type N female to Type N male
RF Cable	10-ft LMR 200 N male - N female
FEATURES	
Quick Collapse	

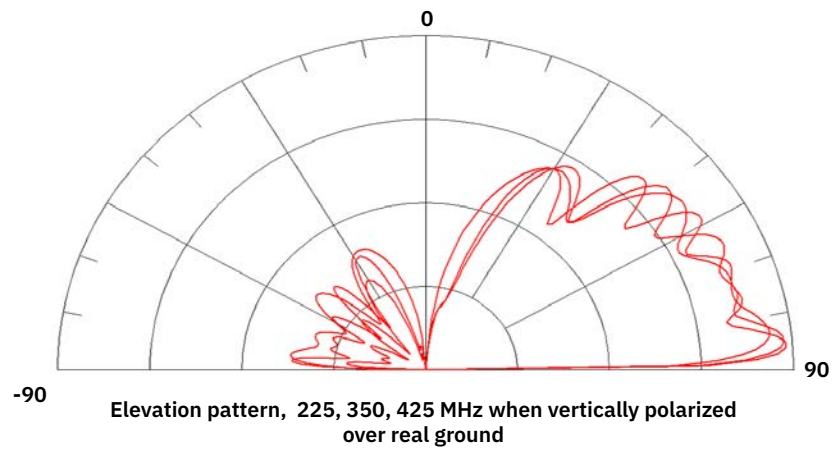
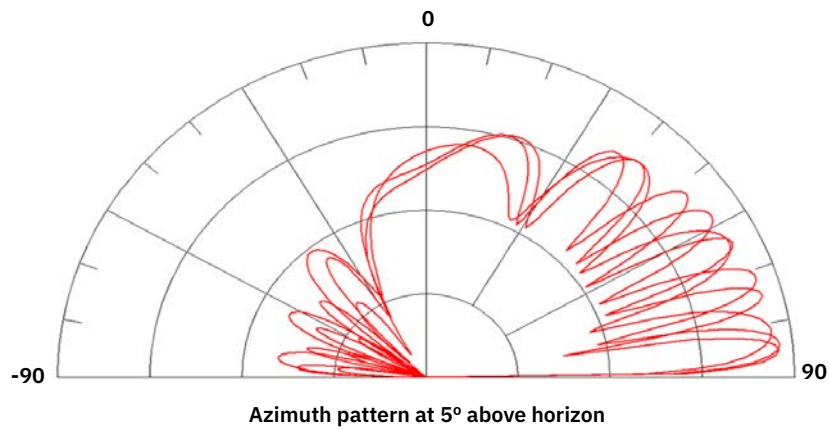


The RF-3192C-AT422 is a transportable wideband directional Log Periodic Antenna (LPA) covering the frequency band from 225 MHz to 450 MHz. It is optimized for high gain to extend the range of wideband networking waveforms, such as ANW2, SRW, and WNW.

The antenna set was specifically designed using a unique wire technology construction technique that makes the antenna lightweight, allows for compact storage, and quick deployment. In addition, a vehicular mount allows the antenna set to be quickly erected using the same mount as the vehicular whip antenna.

The RF-3192C-AT422 Antenna set consists of the LPA antenna with mounting bracket (NATO 4 bolt mount), two interlocking mast sections, coaxial cable, adapters, and carry bag. The LPA antenna with mounting bracket can be ordered under L3Harris part number 12006-3601-01 for mounting on a vertical mast for tactical deployment.

RF-3192C-AT422 Radiation Pattern When Vertically Polarized



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