

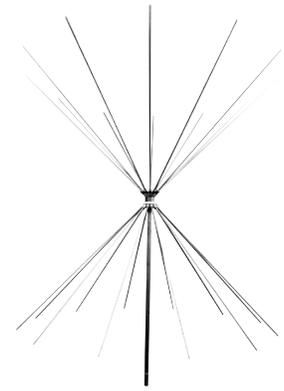


**L3HARRIS™**  
FAST. FORWARD.

## RF-9070

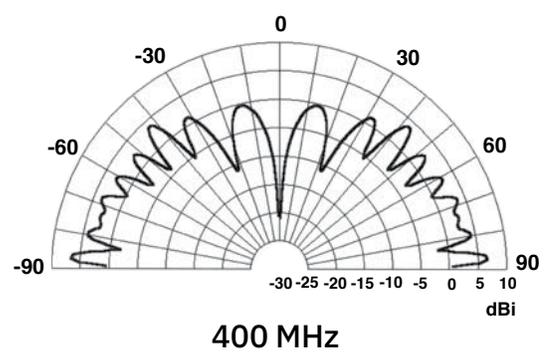
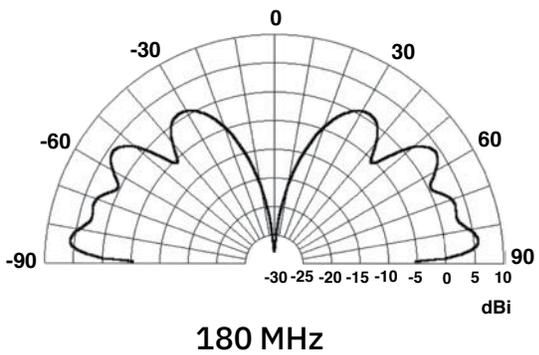
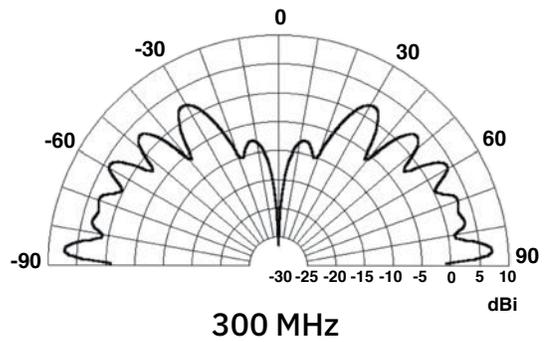
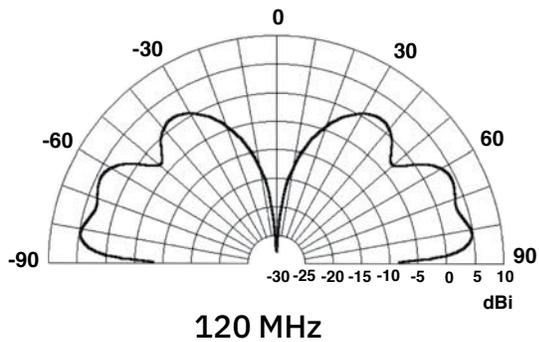
### VHF/UHF Biconical High-Power Antenna

MECHANICAL	
RF Connector	Female, Type N
Installation Time	10 minutes, 2 people
Mounting Interface	1.3 in (3.3 cm) threaded hole in center hub
ENVIRONMENTAL	
Temperature	Operating -40°F to +131°F (-40°C to +55°C) Storage: -76°F to +158°F (-60°C to +70°C)
Relative Humidity	0 to 100%
ELECTRICAL	
Frequency Range	100 - 400 MHz (usable 90 - 470 MHz)
RF Power Capacity	400 W
Input Impedance	50 ohm, nominal
Radiation Pattern	Omni-directional
Polarization	Vertical
VSWR	≤2.1 typical, 2.5:1 maximum
Gain	>2 dBi
PHYSICAL	
Dimensions	Deployed: 76 H x 60 D in (193 H x 152 D cm)
Weight	20 lb (9.1 kg)
Finish	E512 per MIL-F-14072k
OPTIONS	
RF-9071 Mounting Mast	A 6.5 ft (2 m) length of 1.3 in (3.3 cm) diameter mast complete with mounting clamps. The mast is threaded at one end with an 11-1/2 NPT thread to match the antenna hub.



The RF-9070 is a militarized, vertically polarized, omni-directional transportable antenna designed for ground-to-air communication between 100 and 400 MHz. This antenna's instantaneous broadband response and low Voltage Standing Wave Ratio (VSWR) make it ideal for frequency-hopping systems. The RF-9070 also operates in the frequency bands employed by commercial agencies, such as air traffic control, fire, police, utilities and emergency services. This VHF/UHF antenna kit includes a center hub and assembly and threaded-end elements made of a lightweight, corrosion-resistant aluminum alloy with E512 finish, meeting MIL-F-14072 standards. The RF-9071 mast pipe is an additional option.

## RADIATION PATTERNS OVER AVERAGE GROUND



RF-9070 VHF/UHF Biconical High-Power Antenna  
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