



L3HARRIS™
FAST. FORWARD.

RF-1944 SERIES

Broadband Inverted VEE HF Antenna

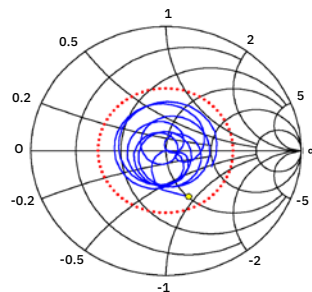
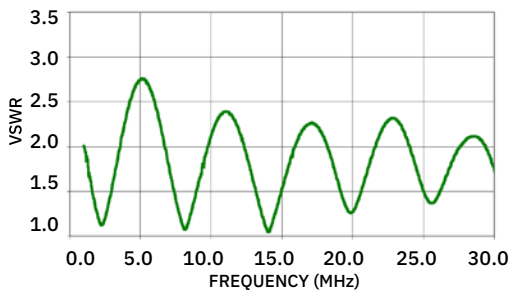
MECHANICAL	
RF Connector	BNC, male
RF Coaxial Cable	RG-58 (10 meters)
Set Up Time	10 minutes for 2 people

ENVIRONMENTAL	
Temperature	Operating: -13°F to +131°F (-25°C to +55°C) Storage: -40°F to +158°F (-40°C to +70°C)
Relative Humidity	0 to 100%

ELECTRICAL	
Frequency Range	1.6 to 30 MHz
RF Power Capacity	150 and 400 W
Input Impedance	50 ohms (nominal)
Radiation Pattern	See plot on back page
Polarization	Primarily horizontal
VSWR	See plot below
Gain	-16 dBi at 2 MHz -2 dBi at 30 MHz

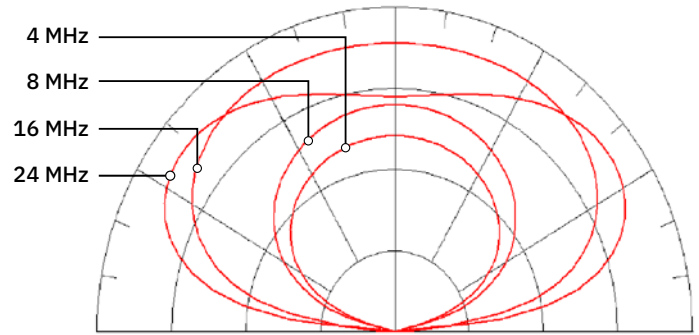
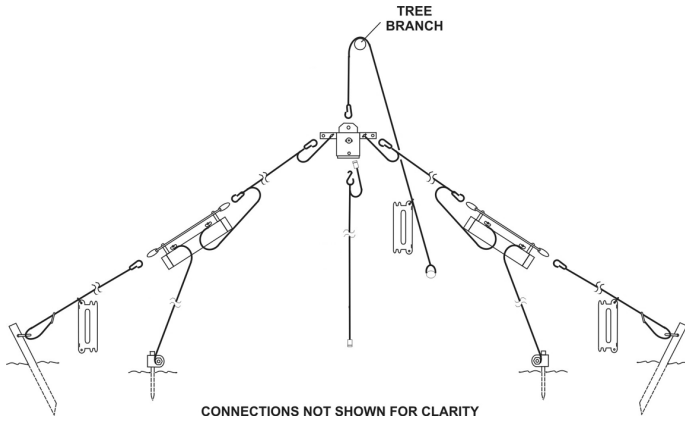
PHYSICAL	
Dimensions	Stowed: (AT150) 13 H x 16 W x 3 D in (33 H x 40.6 W x 7.6 D cm) Deployed: 164 ft (50 meters).
Weight	AT15: 9 lbs (4.1 kg) AT400: 11 lbs (5 kg)
Color/Finish	Black/OD finish

TYPICAL RF-1944 VSWR AND IMPEDENCE PLOTS



The RF-1944 antenna series includes lightweight, transportable broadband dipole antennas providing radiation patterns ideal for HF skywave communications from 0 to 1500 miles. Their rugged, yet simple design allows quick installation into the primary Inverted Vee configuration. Termination loads provide instantaneous bandwidth performance over the entire 1.6 to 30 MHz frequency range. The antennas do not require an antenna coupler, making them ideal for operations with frequency-agile waveforms. The RF-1944 series operate at two different power levels: the RF-1944-AT150 up to 150 Watts and the RF-1944-AT400 up to 400 Watts. Both antennas include a balun, two dipole radiating elements, two terminating loads, two ground rods, two ground stakes, coaxial cable, weighted throwing line and carrying bag.

RF-1944 RADIATION PATTERNS FOR 4, 8, 16 AND 24 MHZ



RF-1944-Series Broadband Inverted VEE HF Antenna
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