

The antenna AD-18/D-LP is wideband monopole mobile VHF antenna for frequency range from 30 to 90 MHz. The antenna has very low profile radiating elements which makes it appropriate for use with lighter vehicles.

The antenna is composed of three main parts: antenna base, lower and upper radiating element. The antenna base is made of stainless steel and of composite materials. Inside the base is matching transformer unit. Powerful biconical spring protects the antenna against impacts and enables bending the antenna during operation with added tightening ropes. Both radiating elements are made of composite materials enable outstanding strength and flexibility even in hardest conditions of use.

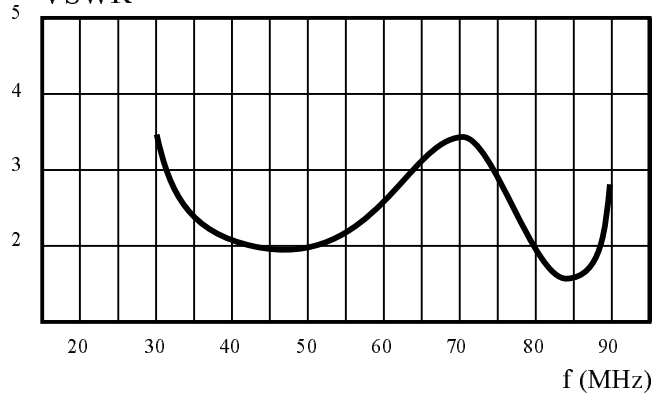
The antenna base has four mounting holes equally spaced on a 4.5" (114.3 mm) circle which complies with US army standard (AS-1729). Different base plate dimensions are available on request.

The antenna is completely painted with military green (RAL-6014) two-component UV resistant paint.

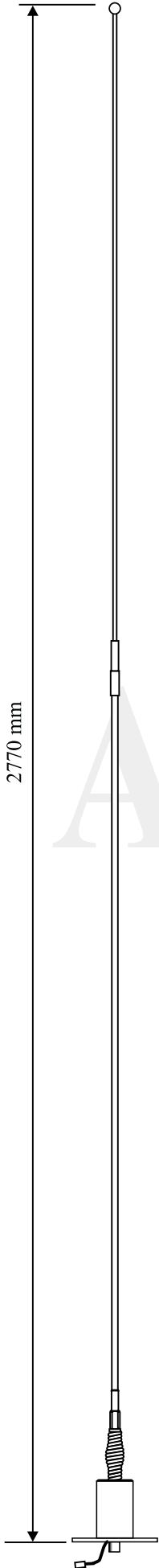
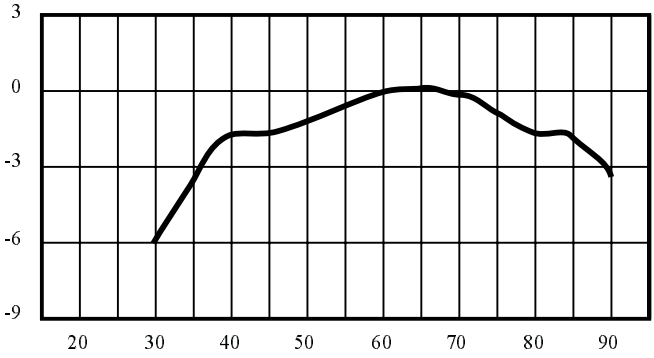
TECHNICAL DATA	
Frequency range	30 - 90 MHz
Impedance	50 ohms
VSWR	< 3,5
Gain	see diagram
Polarization	vert.
Maximum power	70 W CW
Connector	N, (BNC)
Height	2,77 m
Mass	1.95 kg
Max. high voltage rating	20 kV
Temperature range - in use	-40 ... +55 °C



VSWR



GAIN (dB vs. 1/4 monopole)



Stainless Steel Joint M8

Biconical Spring

Composite Base

SS Screws M8 (4x)

SS Adapter Plate

Neoprene gasket

Grounding Wire

N female connector

