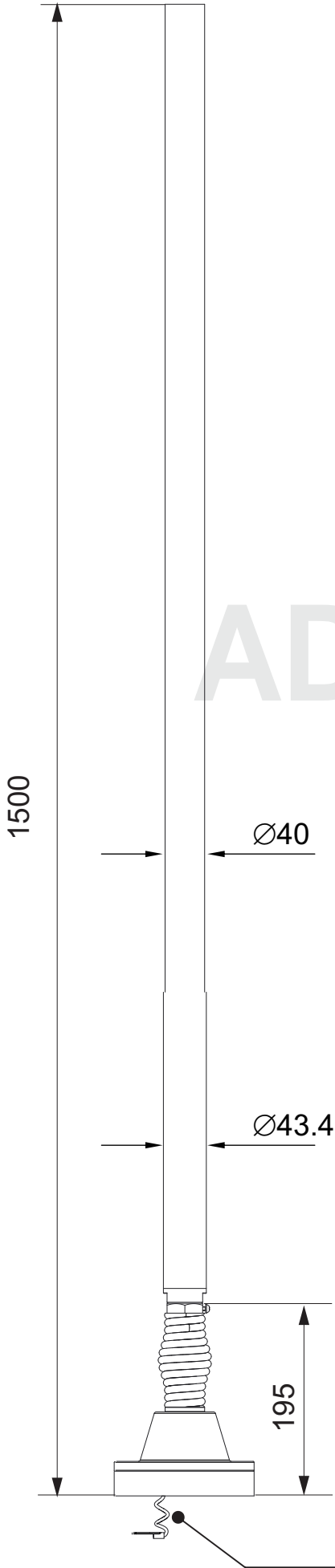


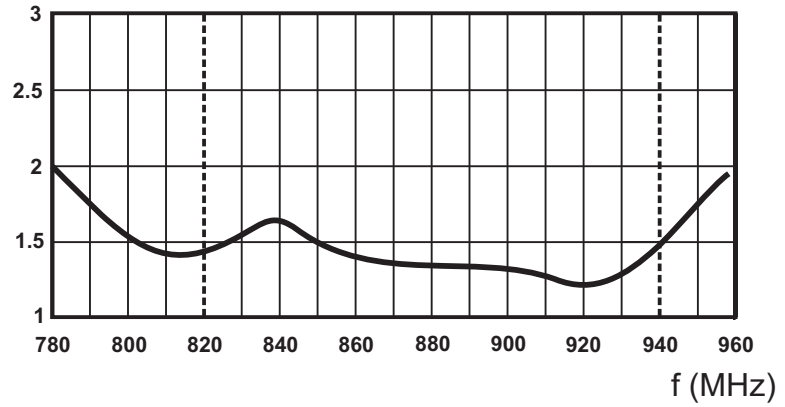
The antenna AD-23/35-4-M is a mobile collinear dipole for use on UHF frequency range from 820 to 940 Mhz, mainly intended for use in heavy duty mobile applications. The antenna is composed from two main parts: the antenna base and the radiator. The antenna base has built-in biconical spring enables resistivity against mechanical impacts. Electrically the antenna is designed as collinear dipole thus the electrical characteristics are independent from the ground or mounting place. The antenna base has an option of additional built-in GPS active antenna. Stainless steel spring absorbs the shocks and the vibrations, in addition it protects the antenna against impacts. The radiating elements are enclosed in a tube made of composite material enabling excellent mechanical and atmospheric resistance. The antenna base has four mounting holes equally spaced on a 4.5" (114.3 mm) circle which complies with NATO standard. The antenna radiator is painted with military green (RAL-6014) two-component UV resistant paint.

ELECTRICAL SPECIFICATIONS - UHF:	
Frequency range	820 - 940 MHz
Impedance	50 ohms
VSWR	< 2
Gain	6 dBd / 8.15 dBi
Polarization	vert.
Maximum power	100 W CW
Connector	N female (BNC female optional)
ELECTRICAL SPECIFICATIONS - GPS:	
Frequency range	L1 1575.42 +/- 10 MHz
Impedance	50 ohms
VSWR	< 2
Polarization	RHC
LNA Gain / Voltage / Current	18 dB (+/- 2 dB) / 5 V / 19 mA 16 dB (+/- 2 dB) / 3.5 V / 13 mA 10 dB (+/- 2 dB) / 2 V / 7 mA
Noise fig.	<1.5 dB
Connector	SMA female
MECHANICAL SPECIFICATIONS:	
Design	Collinear Dipole (820 - 940 MHz)
Height	1500 mm
Weight	3.6 kg
Max. high voltage rating	16 kV
Temperature range - in use	-50 ... +55 °C
Temperature range - in stock	-55 ... +75 °C
Wind rating	45 m/s (160 km/h)
Color	RAL-6014

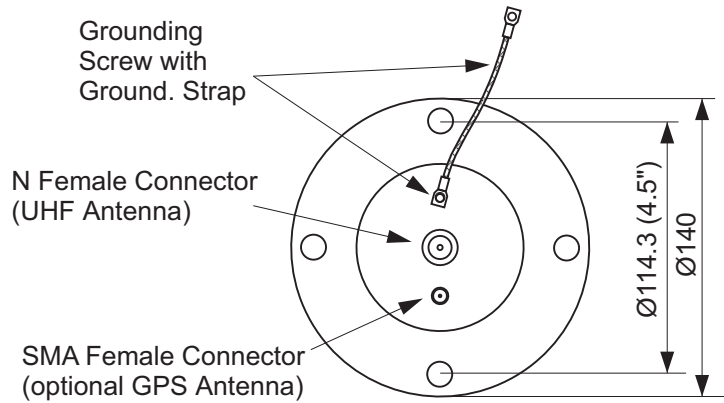
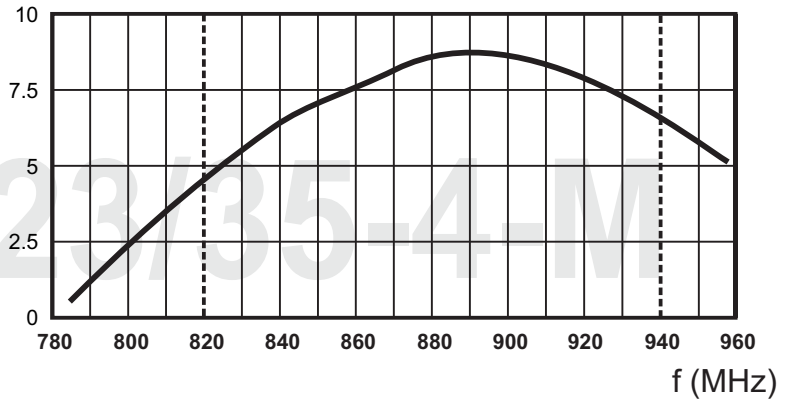




VSWR



GAIN (dBi)



ANTENNA BASE - BOTTOM VIEW

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