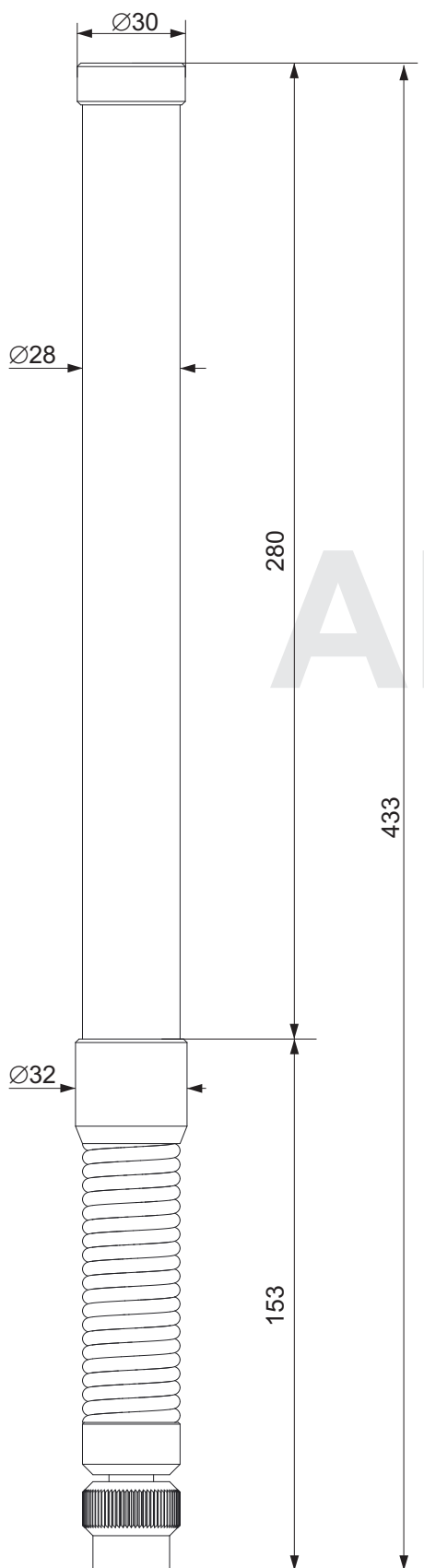


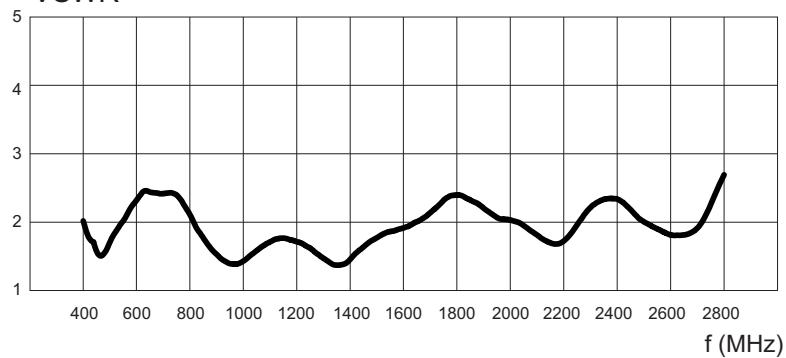
The antenna AD-55/A is the ultra-wideband manpack antenna intended for use with modern broadband software-defined radios (SDR) and other radio devices (jammers, scanners, etc.). The antenna is a sleeve dipole center fed design thus enable to work without the presence of the ground plane. The radiation part of the antenna is fully enclosed in a fiberglass radome. The antenna is also equipped with the spring element allowing the antenna to be always in a vertical position. The antenna construction is rugged and intended for use in the harshest military environments. The antenna connector is N male.

ELECTRICAL SPECIFICATIONS	
Frequency range	400 - 2800 MHz
Impedance	50 ohm
VSWR	< 3:1 typical (see diagram)
Gain	-4 ... +2 dBi
Polarization	Vertical
Maximum power	50 W CW
Connector	N male
MECHANICAL SPECIFICATIONS	
Design	UHF Dipole Antenna
Height	433 mm
Weight	530 g
Diameter	28 mm
Temperature range - in use	-50 ... +55 °C
Temperature range - in stock	-55 ... +75 °C
Color	Black
ENVIRONMENTAL SPECIFICATIONS (per MIL-STD-810G)	
High Operating Temperature	+85 °C Method 501.5 Proc. II
Low Operating Temperature	-40 °C Method 502.5 Proc. II
High Temperature Storage	+85 °C Method 501.5 Proc. I
Low Temperature Storage	-50 °C Method 502.5 Proc. I
Humidity	Method 507.5 Proc. II
Salt Fog	Method 509.5
Vibration	Method 514.6 Proc. I
Immersion	Method 512.5 Proc. I
Rain	Method 506.4 Proc. II
Sand and Dust	Method 510.5 Proc. I
Solar Radiation	Method 505.5 Proc I
Fungus	Method 508.5
Altitude	Method 500.5 Proc. I

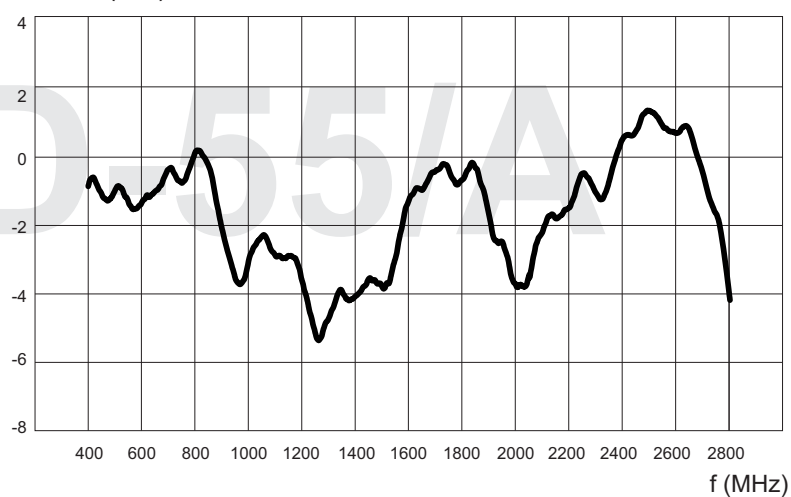




VSWR



Gain (dBi)



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