

The antenna AD-18/D-2G-2G5 is a broadband dipole mobile antenna intended for use with portable and mobile communication systems, broadband receivers and RF jamming. The antenna is covering frequency range from 2000 to 2500 MHz. The upper part of the antenna is a dipole ("center-fed") antenna radiator. The radiator is fully enclosed in a hard plastic radome. The radiator is permanently attached to the antenna base which is made of aluminum and durable plastic materials. Stainless steel spring absorbs the shocks and the vibrations, in addition, protects the antenna against impacts. The antenna base has four mounting holes equally spaced on a 4.5" (114.3 mm) circle which complies with NATO standard. Different base plate dimensions are available on request.

ELECTRICAL SPECIFICATIONS:	
Frequency range	2 - 2.5 GHz
Impedance	50 ohms
VSWR	< 2.5:1 (see diagram)
Maximum power	50 W CW
Polarization	Linear Vertical
Gain	0 ... +1 dBi (see diagram)
Radiation Pattern	Omnidirectional
MECHANICAL SPECIFICATIONS:	
Connector	N female
Height	430 mm
Weight	2.05 kg
Radome Diameter	34 mm
Temp. range - operating	- 55...+80 °C
ENVIRONMENTAL SPECIFICATIONS: (per MIL-STD-810G):	
High Operating Temperature	+85 deg C Method 501.5 Proc.
Low Operating Temperature	-40 deg C Method 502.5 Proc. II
High Temperature Storage	+85 deg C Method 501.5 Proc. I
Low Temperature Storage	-50 deg 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



