

# RRD1019B-TNC

**LOUD AND CLEAR**

Product Description

Product Number	RRD1019B-TNC
NSN	Not Assigned
Market	Military – Manpack/Handheld

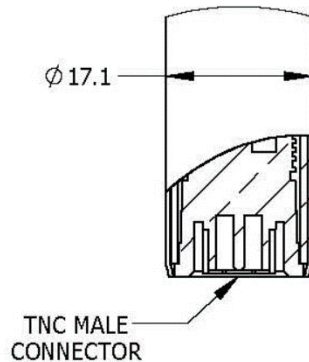
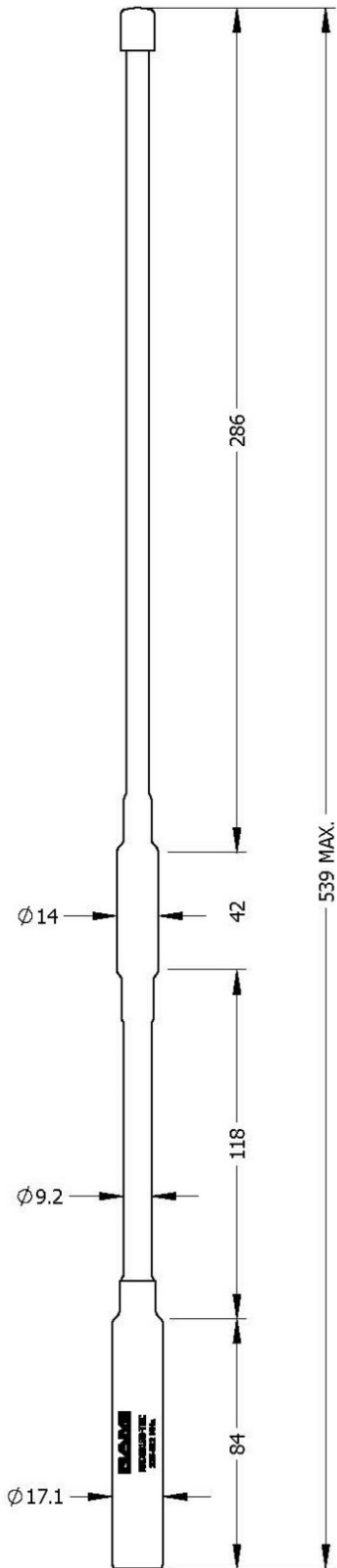
This rugged yet flexible blade style antenna with a double gooseneck design operating from 225-512 MHz. It is designed for manpack, handheld and/or vest mounted applications.

ELECTRICAL SPECIFICATIONS

Antenna	Dipole
Frequency	225-512 MHz
Impedance	50 Ohms Nominal
VSWR	2.75 :1 Maximum
Polarization	Vertical
Pattern	Omni-Directional
RF Power Handling	20 Watt CW
Gain	-1.0 to +1.0 dBi Typical
Connector	TNC Male

MECHANICAL SPECIFICATIONS

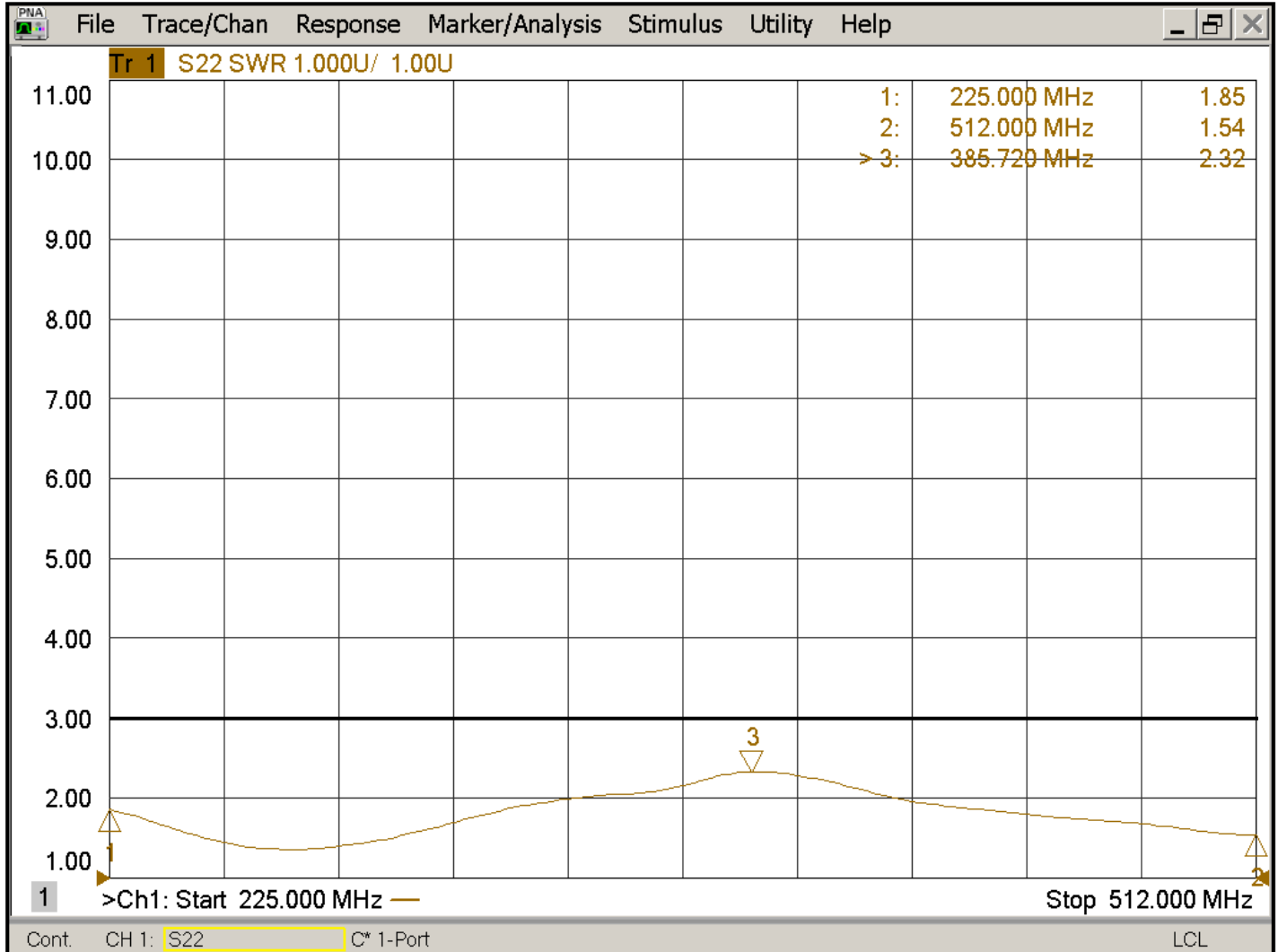
Height	539.00 mm Max
Weight	150g Max
Available Colors	Black



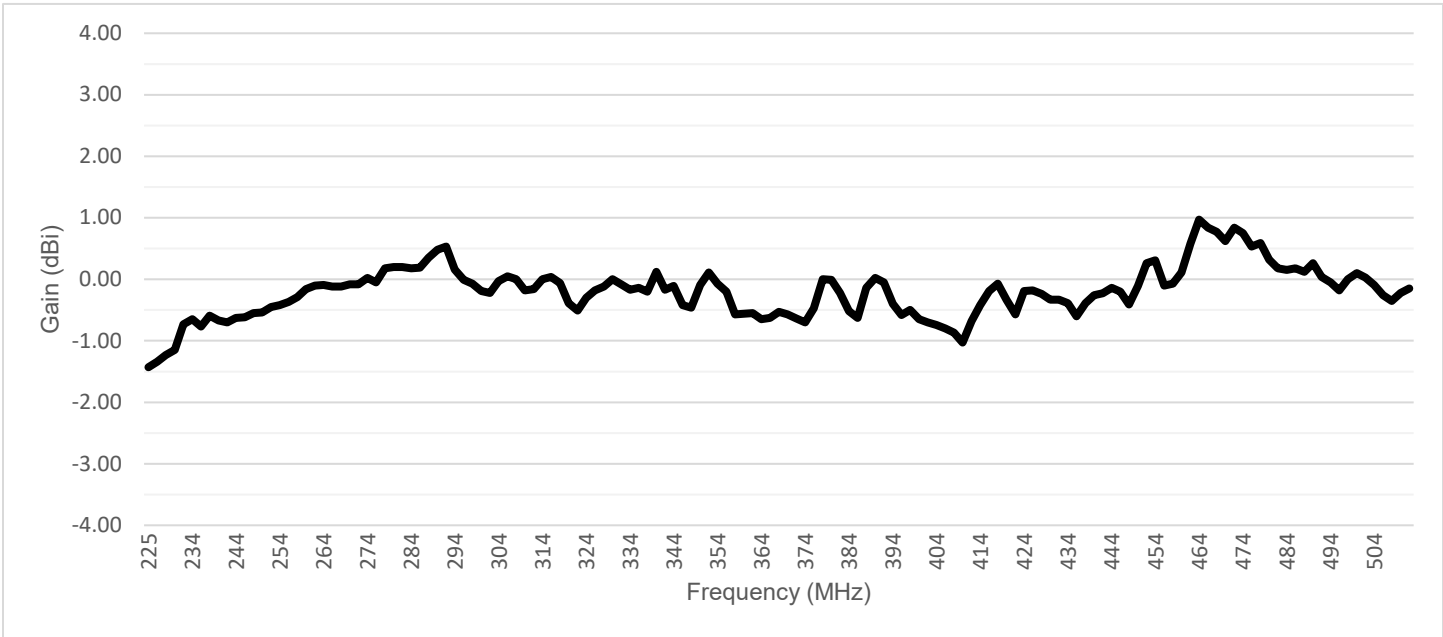
Environmental Testing Per MIL-STD-810G:

High Temperature Operating	+71 deg C Method 501.5 Proc II
Low Temperature Operating	-40 Deg C Method 502.5 Proc. II
High Temperature Storage	+71 Deg C Method 501.5 Proc I
Low Temperature Storage	-50 Deg C Method 502.5 Proc I
Temp. Shock	Method 503.5 Proc IC
Humidity Storage	Method 507.5 Proc I
Humidity Operating	Method 507.5 Proc II
Salt Fog	Method 509.5
Vibration	Method 514.6 Proc I
Shock	Method 516.6 Proc I and IV
Immersion	Method 512.5 Proc I
Rain	Method 506.4 Proc II
Ice-Freezing Rain	Method 521.3
Dust	Method 510.5 Proc I
Sand	Method 510.5 Proc II
Solar Radiation	Method 505.5 Proc I
Fungus	Method 508.5
Altitude Storage	Method 500.5 Proc I
Altitude Operating	Method 500.5 Proc II
Contamination by Fluids	Method 504.1 Proc I
Gooseneck Bends	200 continuous flexes by 90-degree angle

VSWR body mounted



**Gain (dBi) at the Horizon**



**Gain Patterns**

Overlays  
 Freq: 0.226 GHz — (Red)  
 Freq: 0.250 GHz — (Black)  
 Freq: 0.300 GHz — (Green)  
 Freq: 0.350 GHz — (Blue)

Overlays  
 Freq: 0.400 GHz — (Red)  
 Freq: 0.450 GHz — (Black)  
 Freq: 0.500 GHz — (Green)  
 Freq: 0.512 GHz — (Blue)

