

RB1909B-HP

NSN: Not Assigned

Part Number	RB1909B-HP
NSN	Not Assigned
Market	Military - Man Portable

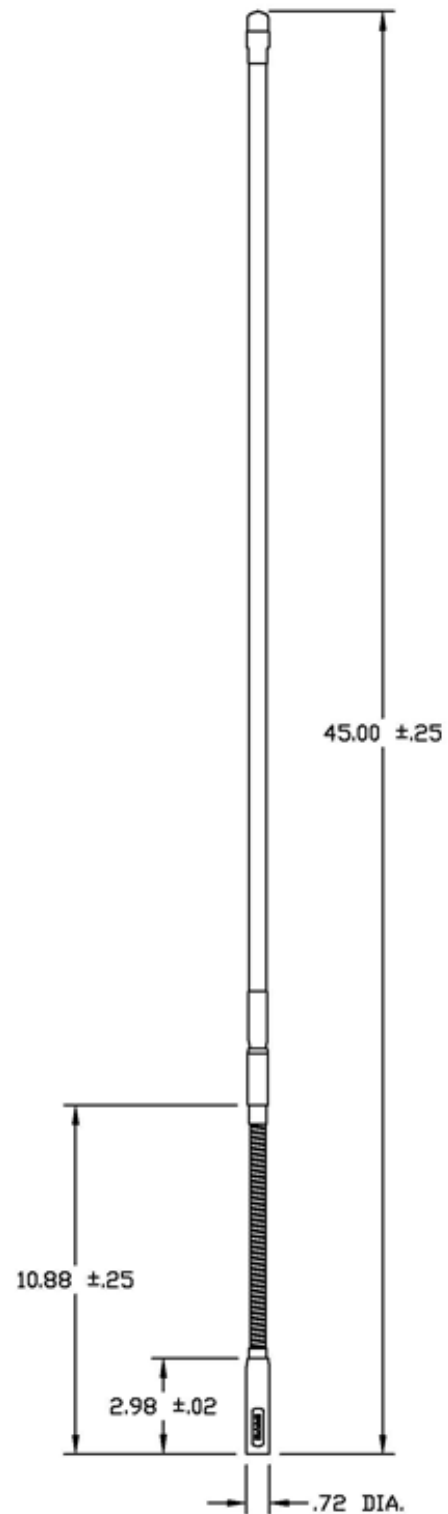
The RB1909B-HP is a rugged yet flexible 1-meter blade style wideband monopole antenna with a gooseneck operating from 30-512 MHz. It is designed for handheld applications and is submersible to 20 meters of water depth.

Product Specifications

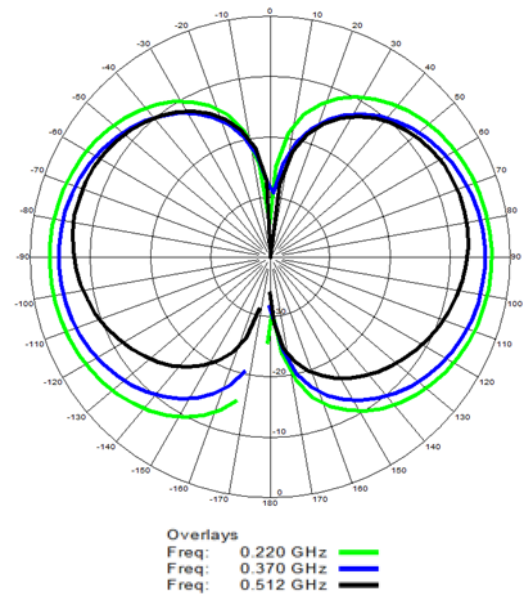
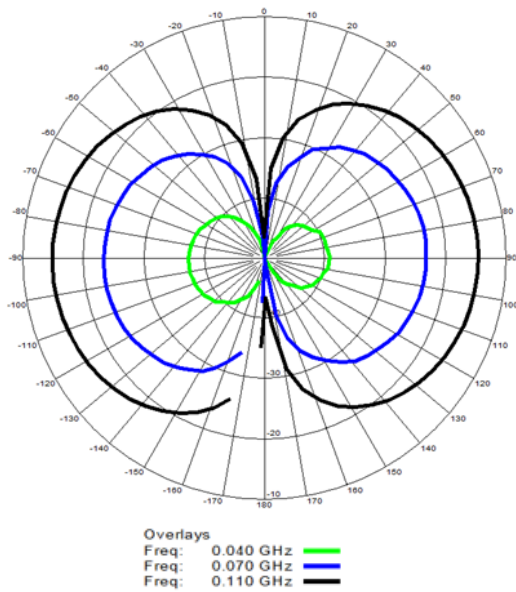
Application	Handheld	
Antenna	Monopole	
Frequency	30 - 512 MHz	
Impedance	50 Ohms Nominal	
VSWR	3.0:1 Maximum	
Polarization	Vertical	
Pattern	Omni-Directional	
Connectors	"TNC" Male	
RF Power Handling	20 Watts CW	
Gain (free space on chassis)	30 - 60 MHz	>-20 dBi
	60 - 90 MHz	>-10 dBi
	90 - 174 MHz	>-6 dBi
	174 - 512 MHz	>-4 dBi

Mechanical Specifications

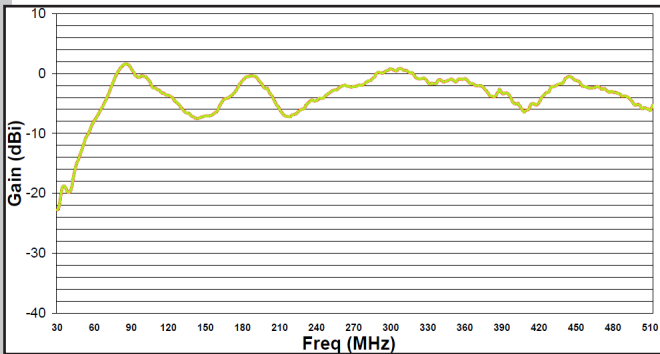
Height	114.9 cm	45.25"
Weight	0.37 kg	0.81 lbs
Color	Black	



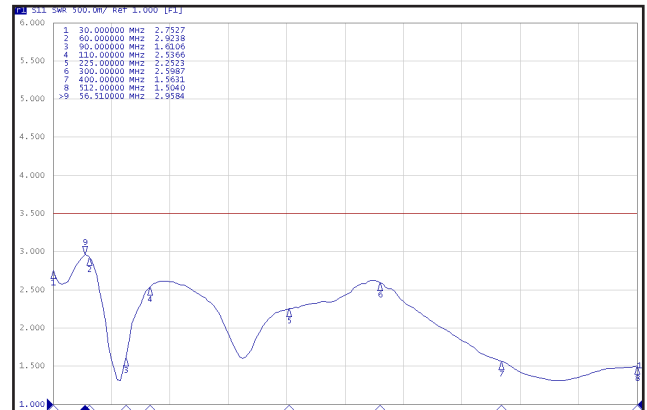
Radiation Patterns



Gain vs. Frequency



VSWR



ENVIRONMENTAL SPECIFICATIONS

Per MIL-STD-810G

High Operating Temp.	+71 deg C Method 501.5 Proc. II	Shock	Method 516.6 Proc. IV
Low Operating Temp.	-40 deg C Method 502.5 Proc. II	Immersion	Method 512.5 Proc. I
High Temp. Storage	+71 deg C Method 501.5 Proc. I	Sand and Dust	Method 510.5 Proc. I
Low Temp. Storage	-50 deg C Method 502.5 Proc. I	Solar Radiation	Method 505.5 Proc. I
Temp Shock	Method 503.5 Proc. I	Fungus	Method 508.5
Humidity	Method 507.5 Proc. II	Altitude	Method 500.5 Proc. I
Salt Fog	Method 509.5	Loose Cargo Transit	Method 514.6 Proc. I
Vibration	Method 514.6 Proc. I	Icing/Freezing	Method 521.3