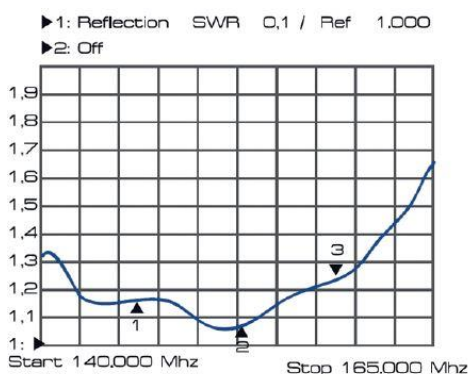


# MP49

## VHF Antennas

### Mechanical Features

- **Length:** 1,20 meter
- **Weight:** 1 kg
- **Sections:** 1
- **Bottom diameter:** 28 mm
- **Fittings:** from diameter 25 mm (1" W) to diameter 50 mm (1" 1/2 G)
- **Structure:** Epoxy fiberglass
- **Finishing:** Polyurethane paint
- **Color:** White RAL 9000 (optional: Gray RAL 7001)
- **Irradiation material:** Brass tubes gold plated
- **Ferrule material:** Chrome plated brass
- **Working temperature:** -35°C to +80°C
- **Max wind resistance:** 150 km/h
- **Base torsion force:** 20 N at max wind speed



SWR Diagram

### Conform with

- **MIL-STD 810E:** temperature, salt, ice, sun irradiation resistance
- **MIL-STD 167-1:** vibration resistance
- **MIL-STD 810E:** shock resistance

## Electrical Features

- **Frequency:** 118 – 136 MHz
- **Antenna:** ½ wave dipole
- **Bandwidth at SWR <1.5:** 19 MHz
- **SWR:** see diagram
- **Impedance:** 50 ohm
- **Gain:** 0 db on half wave dipole / 3 db isotropic
- **Max power:** 100 watt
- **Polarization:** Vertical
- **Horizontal irradiation:** 360°
- **Vertical irradiation:** 60°
- **Connector:** PL-female
- **Lightning protection:** DC ground

## Optional Mounting accessories



**MP533C:** Mast L-Bracket



**MP620-2C:** Large L-Bracket



**MP5197C:** Rail Bracket