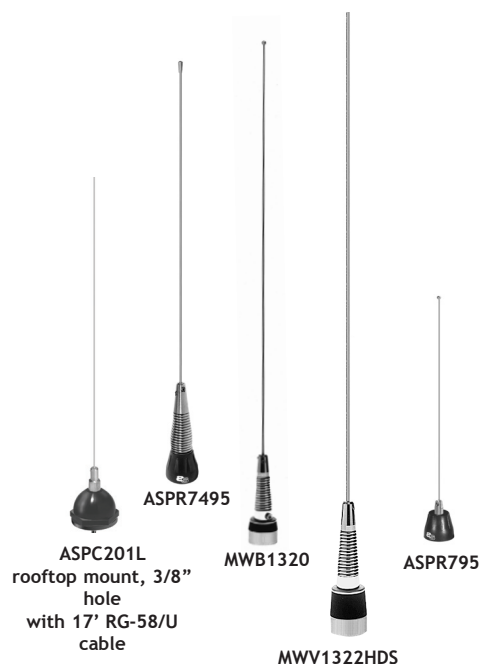




VHF and UHF Wideband Antennas - Field Tunable

PCTEL's field tunable antennas address equipment interoperability challenges by providing superior bandwidth coverage without sacrificing antenna performance. All models are built to withstand high vibration conditions.

Features

- Outstanding bandwidth performance
- Rugged compact design ideal for high vibration conditions
- Mate with all 1-1/8" -18 thread mounts, including 3/4" mounts
- Select models feature a removable whip design for fine tuning or replacement.
- MWV1322HD(S)* operates without a ground plane without compromising VSWR performance.

Technical Data

Maximum Power: 150 watts 100 watts (ASPC201L)
Nominal Impedance: 50 ohms
VSWR at Resonance: < 1.5:1 (ASPR795 and ASPC201L) < 2.0:1 (all other models)
Radiator Material: 0.125-inch diameter, 17-7PH stainless steel (Models MWV1322HD(S) and ASPR7495 only) 0.072-inch diameter, 17-7PH stainless steel (ASPC201L) 0.046-inch diameter, stainless steel (ASPR795) .100-.062-inch diameter tapered stainless steel (all other models)
Spring Material (if available with the antenna): Stainless steel
Base and Fittings: Aluminum, plated steel and brass (ASPR795)
Base Coil Housing: Molded polymer jacket with copper, nickel and chrome plated bushing
Antenna Type: Base loaded 1/2 wave (MWV models) 1/4 Wave (all models)
Mounting Method: 1-1/8-inch -18 thread mobile mounts, including 3/4-inch hole mounts (all models except ASPC201L) 3/8-inch hole snap-in mounts (ASPC201L only)

Electrical Specifications

Model*	Frequency Range	Bandwidth	Gain
MWV1322(S)	132-174 MHz	26 MHz	2.4 dB with a ground plane (Unity without a ground plane)
MWV1322HD(S)	132-174 MHz	26 MHz	2.4 dB with a ground plane (Unity without a ground plane)
MWB1320**	132-512 MHz	24 MHz	Unity
ASPR7495	150-512 MHz, field tunable	24 MHz (406-512 MHz)	Unity
ASPR795	108-512 MHz, field tunable	100 MHz (406-512 MHz)	Unity
ASPC201L***	108-512 MHz, field tunable	100 MHz (406-512 MHz)	Unity

Mechanical Specifications

Model*	Whip Length at lowest frequency
MWV1322(S)	Approximately 48"
MWV1322HD(S)	Approximately 48"
MWB1320**	Approximately 22"
ASPR7495	16-3/8"
ASPR795	26"
ASPC201L	26"



* Suffix "S" indicates spring option.

** Model MWB1320 comes with spring and requires a ground plane.

*** Model ASPC201L includes 17 ft RG-58/U cable and UHF male connector.