VHF and UHF Wideband Antennas - No Tune

These antennas address equipment inter-operability challenges by providing superior bandwidth coverage without sacrificing antenna performance. Their no tune wideband design eliminates the need to install multiple antennas to cover various VHF or UHF frequency bands, thus reducing installation costs and complexity and improving overall coverage of the desired frequencies.

Features

- Rugged stainless steel spring and wideband tube assembly for maximum durability and shock absorption
- Thick-wall housing, double-sealed for maximum weatherproofing
- Mates with all 1-1/8" -18 thread mounts, including 3/4" mounts
- MWU4002S operates with or without a ground plane without compromising VSWR performance.

MWU4002S   MWU4505S   MWV1365S

*MWU4002S operates without a ground plane without compromising VSWR performance.

PCTEL

Antenna Electrical Specifications

Model	Frequency Range	Bandwidth	Gain
(B)MWV1365S**	136-174 MHz	38 MHz	Unity
(B)MWU4002S**	380-520 MHz	140 MHz	2.0 dB with a ground plane Unity w/o a ground plane
MWU4505(S)	440-480 MHz	40 MHz	4.5 dB
MWB4505	450-470 MHz	20 MHz	5 dB
MWU4063S	406-470 MHz	64 MHz	3 dB

Mechanical Specifications

Model	Antenna Height at lowest frequency
(B)MWV1365S	Approximatey 20"
(B)MWU4002S	Less than 12"
MWU4505(S)	Approximately 32"
MWB4505	Approximately 32"
MWU4063S	Approximately 12"

Technical Data

Maximum Power:
200 watts (UHF)
160 watts (VHF)

Nominal Impedance:
50 ohms

VSWR:
< 2.0:1

Radiator Material:
.100"-.062" diameter stainless steel

Spring:
Stainless steel

Phasing Coil Housing:
Molded polymer jacket with bright or black chrome plated bushing

Base Coil Housing:
Molded polymer jacket with copper, nickel and chrome plated bushing

For detailed specifications,
visit **http://antenna.pctel.com**.

*Prefix "B" indicates black. Suffix "S" indicates spring.
**This model includes a spring.