

VHF and UHF Wideband Antennas - No Tune

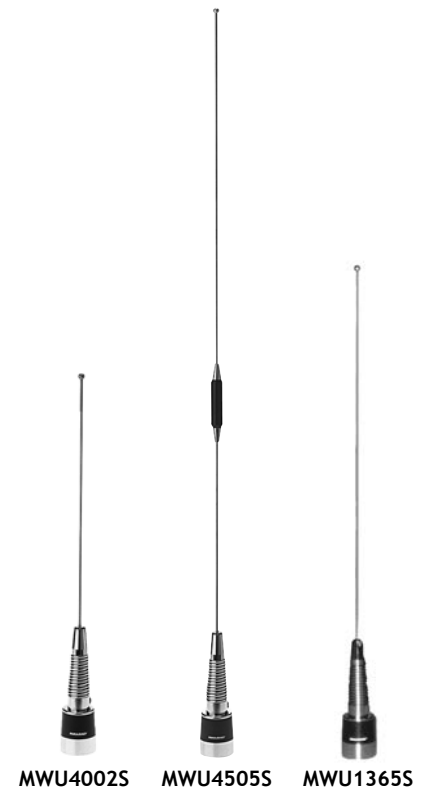
These antennas address equipment inter-operability challenges by providing superior bandwidth coverage without sacrificing antenna performance. Their no tune wideband design eliminates the need to install multiple antennas to cover various VHF or UHF frequency bands, thus reducing installation costs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

Antenna Electrical Specifications

Model	Frequency Range	Bandwidth	Gain
(B)MWV1360S	136-174 MHz	38 MHz	Unity
(B)MWV1365S	136-174 MHz	38 MHz	Unity
(B)MWU3802(S)	380-460 MHz	80 MHz	2.0 dB/Unity
MWB4065	406-430 MHz	24 Mhz	5 dB
(B)MWU4065(S)	406-440 MHz	34 MHz	4.5 dB
(B)MWU4002S	406-512 MHz	106 MHz	2.0 dB/Unity
(B)MWU4205(S)	420-460 MHz	40 MHz	4.5 dB
(B)MWU4505(S)	440-480 MHz	40 MHz	4.5 dB
MWB4305	430-450 MHz	20 MHz	5 dB
MWB4505	450-470 MHz	20 MHz	5 dB
MWB4605	460-480 MHz	20 MHz	5 dB
MWB4705	470-490 MHz	20 MHz	5 dB
(B)MWU4705(S)	470-512 MHz	42 MHz	4.5 dB
MWB4905	490-512 MHz	22 MHz	5 dB



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Technical Data

Maximum Power: 200 watts (UHF) 160 watts (VHF) 50 watts (MWV1360S)
Nominal Impedance: 50 ohms
VSWR: < 2.0:1
Radiator Material: .100" 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
Loading Coil: Tapered jacket; bushing are brass with heavy chrome plating

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

*Prefix "B" indicates black. Suffix "S" indicates spring.

Mechanical Specifications

Model	Antenna Height at lowest frequency
(B)MWV1360S	Approximately 21"
(B)MWV1365S	Approximatey 20"
(B)MWU3802(S)	Approximately 12"
MWB4065	Approximately 32"
(B)MWU4065(S)	Approximately 32"
(B)MWU4002S	Less than 12"
(B)MWU4205(S)	Approximately 32"
(B)MWU4505(S)	Approximately 32"
MWB4305	Approximately 32"
MWB4505	Approximately 32"
MWB4605	Approximately 32"
MWB4705	Approximately 32"
(B)MWU4705(S)	Approximately 21"
MWB4905	Approximately 32"

*Prefix "B" indicates black. Suffix "S" indicates spring.

VHF Wideband Antennas - Field Tune

These VHF field tune antennas address equipment inter-operability challenges by providing superior bandwidth coverage without sacrificing antenna performance. Featuring stainless steel heavy duty spring and molded polymer base, these antennas are built to withstand high vibration conditions.

Features

- The matching coil is wound around a low-loss coil form to withstand severe operating conditions
- Outstanding bandwidth performance
- Rugged compact design ideal for high vibration conditions
- Mates with all 1-1/8" -18 thread mounts, including 3/4" mounts

Antenna Electrical Specifications

Model	Frequency Range	Bandwidth	Gain
(B)MWV1322(S)	132-174 MHz	20 MHz	2.4 dB
MWV1322HD(S)	132-174 MHz	26 MHz	2.4 dB/Unity
MWB1320	132-512 MHz	24 MHz	Unity
MWB5803	150-174 MHz	18 MHz	3 dB

Mechanical Specifications

Model	Antenna Height at lowest frequency
(B)MWV1322(S)	Approximately 48"
MWV1322HD(S)	Approximately 48"
MWB1320	Approximately 22"
MWB5803	Approximately 49"



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Technical Data

Maximum Power: 150 watts
Nominal Impedance: 50 ohms
VSWR: < 2.0:1
Radiator Material: .100" - .062" diameter tapered stainless steel .125" - .100" diameter tapered stainless steel rod (heavy duty "HD" models only)
Optional Spring (if available with the antenna): Stainless steel
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. The spring option is not retrofittable, so please indicate at the time of order. Model MWU4002S is only available with a spring.

Replacement Coils

		Antenna Model	Replacement Coil #	Antenna Model	Replacement Coil #
ASP358	K48	MUF4063	MAT403	MUF8105NGP	MAT8105NGP
ASP7455	K725	MUF4063S	MAT403S	MUF8105NGPS	MAT8105NGPS
ASP7655	K722	MUF4065	MAT406	MUF8150NGP	MAT8150NGP
ASP7655	KT722	MUF4065NGP	MAT406NGP	MUF8150NGPS	MAT8150NGPS
ASPR0495	K729	MUF4065NGPS	MAT406NGPS	MUF8303NGP	MAT8303NGP
ASPR795	K729	MUF4302	MAT432	MUF8303NGPS	MAT8303NGPS
ASPS177	K48	MUF4302S	MAT432S	MUF8305NGP	MAT8305NGP
BMLB3001	BMAT3001	MUF4303	MAT433	MUF8305NGPS	MAT8305NGPS
MDB1444	MATMDB144	MUF4303S	MAT433S	MUF8323NGP	MAT8323NGP
MDB1444S	MATMDB144S	MUF4305	MAT430	MUF8323NGPS	MAT8323NGPS
MDB1545	MATMDB154	MUF4305NGPS	MAT430NGPS	MUF8325	MAT8325
MDB1545S	MATMDB154S	MUF4502	MAT452	MUF8325NGP	MAT8325NGP
MHB2002	MAT202	MUF4502S	MAT452S	MUF8325NGPS	MAT8325NGPS
MHB2002S	MAT202S	MUF4503	MAT453	MUF8350NGP	MAT8350NGP
MHB2252	MAT222	MUF4503	MAT453S	MUF8350NGPS	MAT8350NGPS
MHB2252S	MAT222S	MUF4505	MAT450	MUF9000NGP	MAT9000NGP
MHB5800	MAT58	MUF4505NGP	MAT450NGP	MUF9003	MAT9003
MHB5800HD	MAT58HD	MUF4505NGPS	MAT450NGPS	MUF9003NGP	MAT9003NGP
MHB5802	MAT582	MUF4702	MAT472	MUF9003NGPS	MAT9003NGPS
MHB5812S	MAT512S	MUF4702S	MAT472S	MUF9025	MAT9025
MHB5820	MAT22	MUF4703	MAT473	MUF9025NGP	MAT9025NGP
MHB5850	MAT585	MUF4703	MAT473S	MUF9025NGPS	MAT9025NGPS
MHBDC5800	MAT58DC	MUF4705	MAT470	MUF9035	MAT9035
MHBDC5800-132	MAT58DC	MUF4705NGP	MAT470NGP	MUF9035NGP	MAT9035NGP
MLB2700	MAT27	MUF4705NGPS	MAT470NGPS	MUF9035NGPS	MAT9035NGPS
MLB3000	MAT30	MUF4902	MAT492	MUF9103NGP	MAT9103NGP
MLB3001	MAT3001	MUF4902S	MAT492S	MUF9355	MAT900
MLB3400	MAT34	MUF4903	MAT493	MWB1320	MATMWB
MLB4000	MAT40	MUF4903	MAT493S	MWB4505	MATWB450
MLB4700	MAT47	MUF4905	MAT490	MWB4705	MATWB470
MLB6600	MAT66	MUF4905NGP	MAT490NGP	MWB4905	MATWB490
MLBDC2700	MAT27DC	MUF4905NGPS	MAT490NGPS	MWB5803	MATWB583
MLBDC3000	MAT30DC	MUF8003	MAT8003	MWB5803	MATWB583132
MLBDC3400	MAT34DC	MUF8003NGP	MAT8003NGP	MWB5803-144	MATWB583144
MLBDC3700	MAT37DC	MUF8003NGPS	MAT8003NGPS	MWBDC2700	MATWB27DC
MLBDC4000	MAT40DC	MUF8005	MAT8005	MWBDC3000	MATWB30DC
MLBDC4500	MAT45DC	MUF8005NGP	MAT8005NGP	MWBDC4000	MATWB40DC
MLBDC4700	MAT47DC	MUF8005NGPS	MAT8005NGPS	MWBDC4400	MATWB44DC
MLBDC5000	MAT50DC	MUF8103	MAT8103	MWBDC4700	MATWB47DC
MONR33	K729	MUF8103NGP	MAT8103NGP	MWV1322	MATMWV
MUF4062	MAT402	MUF8103NGPS	MAT8103NGPS	MWV1322HD	MATMWVHD
MUF4062S	MAT402S	MUF8105	MAT8105		