

## Aluminum Yagi Antennas

The MYA UHF yagis are unsurpassed in their price to performance ratio. All models feature rugged 6061-T6 seamless aluminum construction, stainless steel hardware, and through boom mounting of all elements for years of reliable service. Elements are DC grounded to the boom. Select models are available in black finish. These antennas are UPS shippable.

### Features

- Stainless steel hardware
- Available field tunable (add suffix "K") or factory tuned
- Field tunable (FT) version has telescoping elements with stainless steel lock clamps for easy adjustment
- Stacking harness available for phasing two or more antennas Black finish available on select models
- 3 element yagi boom available with 7/8" double wall (add suffix "HD")
- 6 element yagi boom is a 2 piece assembly
- Heavy-duty, double-walled aluminum boom
- Black finish available on select models



### Technical Data

<b>Maximum Power:</b> 300 watts (UHF series) 250 watts (VHF series) 500 watts (MYA1403 only) 1000 watts (lowband series)
<b>Nominal Impedance:</b> 50 ohms
<b>Radiator Material:</b> 3/8" solid 6061-T6 aluminum
<b>ESD Protection:</b> DC grounded
<b>Wind Survival:</b> 100 mph, 125 mph (MYA43012 only)
<b>Termination:</b> SO239 standard, N female is optional

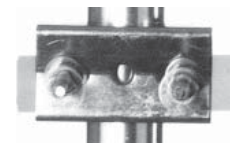
For detailed specifications, visit <http://antenna.pctel.com>.



MYA2203KHDN



MYA1503K



MYK1



MYK2



MYK9

# NON CELLULAR DIRECTIONAL BASE STATION ANTENNAS

## Yagi Base Station Antennas

### Antenna Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain	Bandwidth @ 1.5:1 VSWR	Horizontal Beamwidth @ 1/2 Power	Vertical Beamwidth @ 1/2 Power	Front-to-Back Ratio
MYA723K(N)	66-88 MHz	Specify frequency when ordering or add suffix "K" for field or factory tuned option.	9.2 dBi	.7/1.7 MHz	72°	57°	15 dB
MYA1403K	130-150 MHz		9.2 dBi	0.7 MHz	72°	57°	17 dB
MYA1403N*	132-150 MHz		9.2 dBi	0.7 MHz	72°	57°	17 dB
MYA1503K(N)	150-174 MHz	Add suffix "FT" for telescopic elements option	9.2 dBi	0.7 MHz	72°	57°	17 dB
MYA1505K(N)	150-174 MHz		11.3 dBi	1.3 MHz	56°	48°	20 dB
MYA1506N	150-174 MHz		12.3 dBi	1.5 MHz	42°	40°	20 dB
MYA2203KHDN	220-250 MHz		9.2 dBi	3.0 MHz	72°	57°	17 dB
MYA4063	406-420 MHz	413 MHz	9.2 dBi	15 MHz	72°	57°	17 dB
MYA4065N	406-420 MHz	413 MHz	11.3 dBi	15 MHz	56°	48°	20 dB
MYA4205N	420-440 MHz	430 MHz	11.3 dBi	20 MHz	56°	48°	20 dB
MYA4303	430-450 MHz	440 MHz	9.2 dBi	20 MHz	72°	57°	17 dB
MYA45012(N)	450-470 MHz	460 MHz	14.3 dBi	20 MHz	36°	34°	25 dB
MYA4503(N)	450-470 MHz	460 MHz	9.2 dBi	20 MHz	72°	57°	17 dB
MYA4505(N)	450-470 MHz	460 MHz	11.3 dBi	20 MHz	56°	48°	20 dB
MYA4506(N)	450-470 MHz	460 MHz	12.3 dBi	20 MHz	42°	40°	20 dB
MYA4706	470-490 MHz	480 MHz	12.3 dBi	20 MHz	42°	40°	20 dB
MYA7106	710-746 MHz	728 MHz	11.1 dBi	36 MHz	55°	45°	15 dB
MYA80612	806-866 MHz	813 MHz	13.1 dBi	60 MHz	36°	34°	20 dB
MYA8063	806-866 MHz	813 MHz	8.1 dBi	60 MHz	72°	57°	15 dB
MYA8066	806-866 MHz	813 MHz	11.1 dBi	60 MHz	42°	40°	16 dB
MYA82512	824-896 MHz	835 MHz	13.1 dBi	73 MHz	36°	34°	20 dB
MYA8253	824-896 MHz	835 MHz	8.1 dBi	73 MHz	72°	57°	15 dB
MYA8256	824-896 MHz	835 MHz	11.1 dBi	73 MHz	42°	40°	16 dB
MYA91512	896-940 MHz	915 MHz	13.1 dBi	45 MHz	40°	42°	20 dB
MYA9153	896-940 MHz	915 MHz	8.1 dBi	75 MHz	72°	57°	15 dB
MYA9156	896-940 MHz	915 MHz	11.1 dBi	45 MHz	48°	56°	20 dB
MYA93012	896-970 MHz	930 MHz	13.1 dBi	75 MHz	40°	42°	20 dB
MYA9303	896-970 MHz	930 MHz	8.1 dBi	50 MHz	72°	57°	15 dB
MYA9306	896-970 MHz	930 MHz	11.1 dBi	75 MHz	48°	56°	20 dB
MYA9309	896-970 MHz	930 MHz	12.1 dBi	75 MHz	52°	43°	20 dB

\* Must specify frequency when ordering; add \$3.00 for "N" connector. Suffix "N" indicates "N" connector. Add suffix "K" for field or factory tuned option. Add suffix "FT" for telescopic elements option.

## Mechanical Specifications

Model	Weight (Mass)	Elements	Bending Moment at Rated Wind	Lateral Thrust @ Rated Wind	Equivalent Flat Plate Area	Boom Length	Boom Diameter
MYA723K(N)	7 lbs	3	155 ft-lbs	48.9 lbs	1.26 sq ft	92"	1-1/2" (double walled)
MYA1403K	3 lbs	3	25.3 ft-lbs	14.5 lbs	.36 sq ft	42"	7/8"
MYA1403N*	3 lbs	3	25.3 ft-lbs	14.5 lbs	.36 sq ft	42"	7/8"
MYA1503K(N)	3 lbs	3	25.3 ft-lbs	14.5 lbs	.36 sq ft	42"	7/8"
MYA1505K(N)	4 lbs	5	82.7 ft-lbs	27.6 lbs	.71 sq ft	72"	1-1/4"
MYA1506N*	5 lbs	6	160.6 ft-lbs	37.1 lbs	.96 sq ft	104"	1-1/4"
MYA2203KHND	3 lbs	3	16 ft-lbs	9.1 lbs	.21 ft <sup>2</sup>	42"	7/8"
MYA4063	1.5 lbs	3	5.9 ft-lbs	6.1 lbs	.15 ft <sup>2</sup>	23"	7/8"
MYA4065N	2.0 lbs	5	12.6 ft-lbs	9.3 lbs	.23 ft <sup>2</sup>	35.5"	7/8"
MYA4205(N)	2.0 lbs	5	12.6 ft-lbs	9.3 lbs	.23 ft <sup>2</sup>	35.5"	7/8"
MYA4303	1.5 lbs	3	5.9 ft-lbs	6.1 lbs	.15 ft <sup>2</sup>	23"	7/8"
MYA45012(N)	5.0 lbs	12	74.6 ft-lbs	24.9 lbs	.62 ft <sup>2</sup>	72"	1-1/4"
MYA4503(N)	1.5 lbs	3	5.9 ft-lbs	6.1 lbs	.15 ft <sup>2</sup>	23"	7/8"
MYA4505(N)	2.0 lbs	5	12.6 ft-lbs	9.3 lbs	.23 ft <sup>2</sup>	35.5"	7/8"
MYA4506(N)	2.5 lbs	6	21.4 ft-lbs	12.2 lbs	.29 ft <sup>2</sup>	42"	7/8"
MYA4706	2.5 lnb	6	21.4 ft-lbs	12.2 lbs	.29 ft <sup>2</sup>	42"	7/8"
MYA7106	2 lbs	6	12.5 ft-lbs	10.7 lbs	.17 sq ft	28"	7/8"
MYA80612	2.5 lbs	12	17.8 ft-lbs	20.8 lbf	.27 ft <sup>2</sup>	48"	7/8"
MYA8063	1.5 lbs	3	4.6 ft-lbs	6.5 lbs	.10 sq ft	17"	7/8"
MYA8066	2 lbs	6	12.5 ft-lbs	10.7 lbs	.17 sq ft	28"	7/8"
MYA82512	2.5 lbs	12	17.8 ft-lbs	.29 sq ft	.29 sq ft	48"	7/8"
MYA8253	1.5 lbs	3	4.6 ft-lbs	6.5 lbs	.10 sq ft	17"	7/8"
MYA8256	2 lbs	6	12.5 ft-lbs	10.7 lbs	.17 sq ft	28"	7/8"
MYA91512	2.5 lbs	12	23.3 ft-lbs	16.6 lbs	.27 sq ft	48"	7/8"
MYA9153	1.5 lbs	3	4.2 ft-lbs	5.9 lbs	.09 sq ft	17"	7/8"
MYA9156	1.5 lbs	6	10.6 ft-lbs	9.1 lbs	.16 sq ft	23"	7/8"
MYA93012	2.5 lbs	12	23.3 ft-lbs	16.6 lbs	.27 sq ft	48"	7/8"
MYA9303	1.5 lbs	3	4.2 ft-lbs	5.9 lbs	.09 sq ft	17"	7/8"
MYA9306	1.5 lbs	6	10.6 ft-lbs	9.1 lbs	.16 sq ft	23"	7/8"
MYA9309	1.5 lbs	9	12.7 ft-lb	10.3 lbs	.18 sq ft	23"	7/8"

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