

## Bluewave Guardian Yagi Antennas

PCTEL's Bluewave Guardian series has been engineered to provide high gain broadband performance. Solid 3/8" aluminum elements complement the fully welded dipole on the boom. The black powder coat BGYD890M comes with an integral low loss 2' RG213 feed line with a standard N-Female connector. High strength mounting clamp is supplied for vertical or horizontal polarization.

### Features

- Dipole fully-welded to boom
- Black powder coated aluminum
- Mounting clamp included
- Antenna is supplied with a 2' pigtail (RG213) and N female connector

### RF/Electrical Specifications

Model	Frequency Range	-3 dB Horizontal Beamwidth	-3 dB Vertical Beamwidth	Front to Back Ratio	Nominal Gain
BGYD450K	450-470 MHz	0°	45°	20 dB	10 dBd
BGYD806K	806-896 MHz	60°	46°	20 dB	10 dBd
BGYD890G	890-960 MHz	110°	62°	15 dB	6.5 dBd
BGYD890K	890-960 MHz	56°	46°	20 dB	10 dBd
BGYD890M	890-960 MHz	40°	34°	20 dB	12 dBd

### Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity
BGYD450K	42" x 13"	3 lbs (1.36 kg)	0.43 sq ft	16.72 lbs	150 mph
BGYD806K	24" x 6.5"	2 lbs (0.91 kg)	0.20 sq ft	7.67 lbs	125 mph
BGYD890G	12" x 7.3"	1.5 lbs (0.68 kg)	0.08 sq ft	3.68 lbs	125 mph
BGYD890K	23.8" x 6.4"	2 lbs (0.91 kg)	0.20 sq ft	7.53 lbs	125 mph
BGYD890M	36" x 6.8"	2.5 lbs (1.13 kg)	0.31 sq ft	11.86 lbs	125 mph

Model	Elements	Cable Type	Cable Length	Connector Type
BGYD450K	7	RG213	2 ft	N female
BGYD806K	7	RG213	2 ft	N female
BGYD890G	3	RG213	2 ft	N female
BGYD890K	7	RG213	2 ft	N female
BGYD890M	11	RG213	2 ft	N female

\* Dimension does not include antenna cable.



BGYD450K



BGYD890G



BGYD890K



BGYD890M



BWC1001 mount



SA-WC1022 mount

### Technical Data

<b>Maximum Power:</b> 250 watts (BGYD450K) 200 watts
<b>Nominal Impedance:</b> 50 ohms
<b>Radiator Material:</b> Aluminum
<b>Mounting Method:</b> BWC1001 (BGYD450K only) SA-WC1022 (all other models)

