



WISP4959018MBV



## Wideband Adjustable Sector Panel Antenna

The MAXRAD sector panel antennas cover frequencies of 4.9-6.0 GHz and are designed for use in sectorized WISP applications using a single sector or multiple sector antennas and multiple radios. They offer cost conscious antennas and system's engineers an alternative to wall mounted omnidirectional antennas that can be susceptible to multipath interference and reduced coverage caused by wall-obstructed radiated signals. These sector antennas are ideal for use in apartment complexes, offices, medical facilities, schools, industrial parks and shopping centers.

### Features

- The antennas offer a choice of 45°, 60°, 90° or 120° single beamwidth sector. Multiple antennas can be utilized to cover several geographical sectors using additional radios. Great for use in place of an obstructed wall mounted omni.
- Industry leading front-to-back ratios. Ensure that the radiated energy is focused towards its target, and not to the back or sides of the antennas.
- Attractive, streamline design reduces wind loading for easier handling during installation.
- Includes adjustable pipe mount that permits uptilt or downtilt adjustment for more precise coverage of the geographic area.

### Technical Data

<b>General Specifications:</b> 2.4 GHz sector panel antennas
<b>Maximum Power Input:</b> 10 watts
<b>Polarization:</b> Vertical
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> < 1.7:1
<b>Color:</b> White
<b>Radome Material:</b> UV resistant ASA plastic
<b>Lighting Protection:</b> DC grounded
<b>Mounting Method:</b> Adjustable pipe mount (included) +/- 15° of uptilt or downtilt (WISP2800 & WISP4900 models)

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

### Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain (+/- 0.5)	Horizontal Plane Beamwidth
WISP4959018MBV	4.9 GHz to 6.0 GHz	18 dBi @ 45° 16 dBi @ 60° 15 dBi @ 90° 14 dBi @ 120°	45°, 60°, 90° or 120° (adjustable)
E-Plane Beamwidth	Front-to-Back Ratio	Typical Cross Poll Discrimination	
8°	> 32 dB	> 20 dB	

### Mechanical Specifications

Model	Dimensions	Weight (Mass)	Temperature Range
WISP4959018MBV	24" L x 6" W x 3" D (609 L x 152 W x 76 mm D)	4.5 lbs (2.1 Kg)	-30° C to 75° C
Rated Wind Velocity	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area	
125 mph	60 lbf without flaps 120 lbf with flaps	.44 ft² without flaps 1.36 ft² with flaps	