

## 2.3-2.7GHz 65° & 90° Sector Panel

This WiMAX antenna is designed to cover frequencies from 2300 to 2700 MHz. It offers excellent port to port isolation of 30 dB typical, with a VSWR of less than 1.5 in a rugged, off-white UV resistant radome.

### Features

- Outstanding port to port isolation of 30 dB typical
- VSWR of less than 1.5
- Great upper side lobe suppression
- Adjustable scissors-style pipe mount bracket with 0-10° downtilt



### RF/Electrical Specifications

Model	Frequency Range	Nominal Gain	Azimuth Beamwidth	Elevation Beamwidth
SP2327-16XP65	2300-2500 MHz	16.0 dBi	65° +/- 5°	9°
	2500-2700 MHz	16.5 dBi	65° +/- 5°	9°
SP2327-15XP90	2300-2500 MHz	15.0 dBi	90° +/- 5°	9°
	2500-2700 MHz	15.5 dBi	90° +/- 5°	9°
SP4959-16XP90	4.9-5.4 GHz	16.5 dBi	90° +/- 10%	5°
	5.4-5.9 GHz	15.5 dBi	90° +/- 10%	5°

### Mechanical Specifications

Model	Temperature Range	Dimensions (L X W X D)	Weight (Mass)	Wind Survivability
SP2327-16XP65	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)
SP2327-15XP90	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)
SP4959-16XP90	40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)



### Technical Data

<b>Polarization:</b> Linear dual slant +/- 45°
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> < 1.5
<b>Front to Back Ratio:</b> > 25 dB
<b>Port to Port Isolation:</b> 30 dB typical
<b>Upper Side Lobe Suppression:</b> 30 degrees above horizon: > -15 dB
<b>Radome Material:</b> Gray UV resistant plastic
<b>Connector:</b> Type N female
<b>Mounting Method:</b> Adjustable pipe mount bracket (included)
<b>Mount Material:</b> Nickel Zinc Trivalent Plated Steel (RoHS Compliant)