

## 2.3 to 2.7 GHz 65° & 90° Beamwidth Sector Antenna **NEW!**

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



### 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°



### Mechanical Specifications

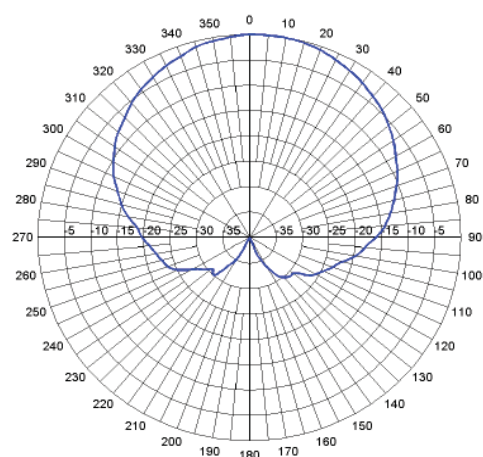
Model	Temperature Range	Dimensions (L X W X D)	Weight (Mass)	Wind Survivability
SP2327-16XP65	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)
	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)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

### Technical Data

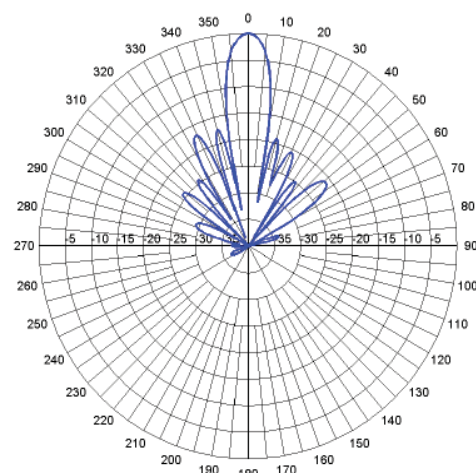
<b>Polarization:</b> Linear dual slant +/- 45°
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> < 1.5
<b>Front to Back Ratio:</b> > 25 dB
<b>Port to Port Isolation:</b> 30 dB typical
<b>Upper Side Lobe Suppression:</b> 30 degrees above horizon: > -15 dB
<b>Radome Material:</b> Gray UV resistant plastic
<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)

PCTEL offers the Materials as a service to you and reserves the right to make corrections, technical changes or other modifications to the Materials on this catalog at any time. PCTEL further reserves the right to make enhancements, improvements and other changes to its products and services at any time or to discontinue any product or service at any time without prior notice. All any pictures drawing etc. are representations of products and actual production products might look differently than depicted.

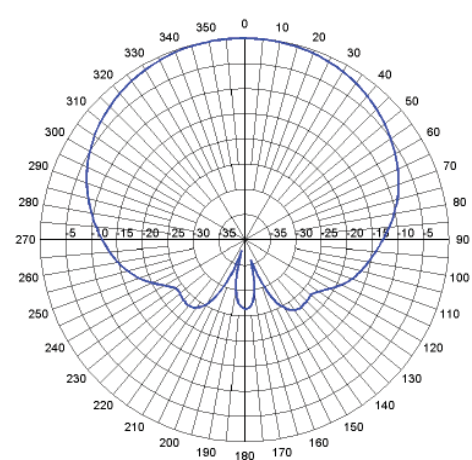
## Radiation Patterns



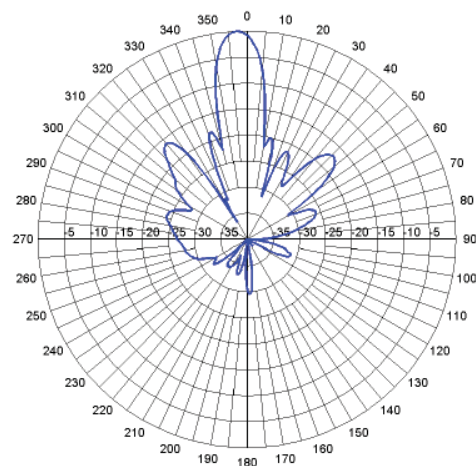
SP2327-16XP65 azimuth plane



SP2327-16XP65 elevation plane



SP2327-15XP90 azimuth plane



SP2327-15XP90 elevation plane

PCTEL offers the Materials as a service to you and reserves the right to make corrections, technical changes or other modifications to the Materials on this catalog at any time. PCTEL further reserves the right to make enhancements, improvements and other changes to its products and services at any time or to discontinue any product or service at any time without prior notice. All any pictures drawing etc. are representations of products and actual production products might look differently than depicted.