

## 2.3 to 2.7 GHz 60° & 90° Beamwidth Sector Antenna With Null Fill **NEW!**

This WiMAX cross polarized antenna is designed to cover frequencies from 2300 to 2700 MHz. It offers excellent front-to-back ratio of > 32 dB with a VSWR of less than 1.5 in a rugged, off-white UV resistant radome.

### Features

- Outstanding front-to-back ratio & port to port isolation
- VSWR of less than 1.5
- Null fill
- 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
SP2327-18XP60NUF	2300-2500 MHz	17.5 dBi	60° +/- 5°	6°
	2500-2700 MHz	18.0 dBi	60° +/- 5°	6°
SP2327-17XP90NUF	2300-2500 MHz	16.0 dBi	90° +/- 5°	6°
	2500-2700 MHz	16.5 dBi	90° +/- 5°	6°

### Mechanical Specifications

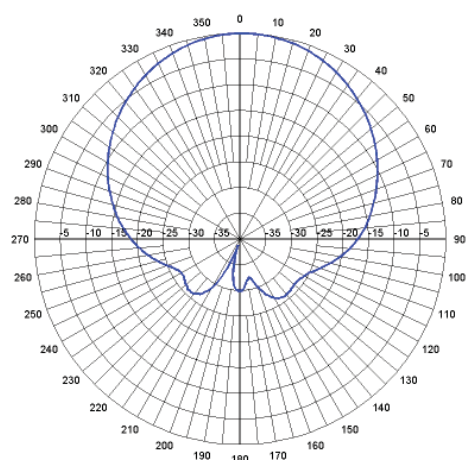
Model	Temperature Range	Dimensions (L X W X D)	Weight (Mass)	Wind Survivability
SP2327-18XP60NUF	-40°C to 70°C storage / -40°C to 70°C operating	48.5" x 6.7" x 3.5" (1232 x 171 x 90 mm)	8.8 lbs (4.0 kg)	125 mph (200 km/h)
SP2327-17XP90NUF	-40°C to 70°C storage / -40°C to 70°C operating	48.5" x 6.7" x 3.5" (1232 x 171 x 90 mm)	8.8 lbs (4.0 kg)	125 mph (200 km/h)

### Technical Data

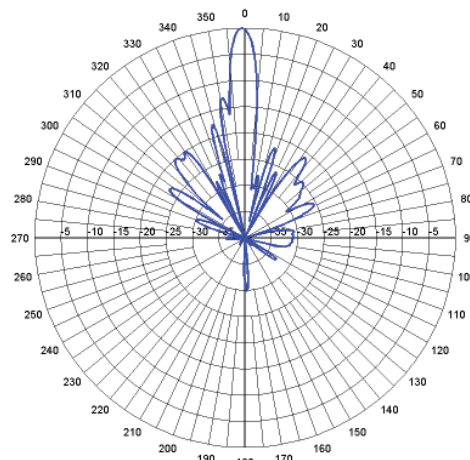
<b>Polarization:</b> Linear dual slant +/- 45°
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> < 1.5
<b>Front to Back Ratio:</b> > 32 dB
<b>Port to Port Isolation:</b> 30 dB typical
<b>Null Fill:</b> -15dB
<b>Upper Side Lobe Suppression:</b> 30 degrees above horizon: > -18 dB
<b>Radome Material:</b> Gray 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)

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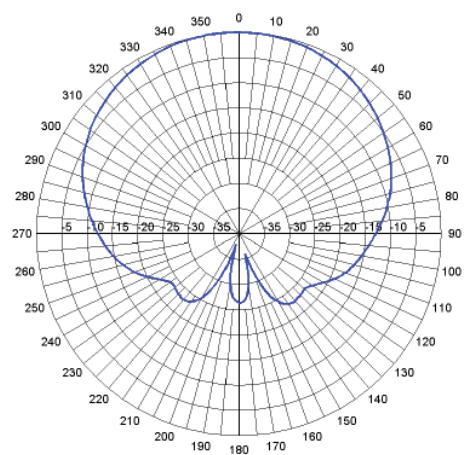
# Radiation Patterns



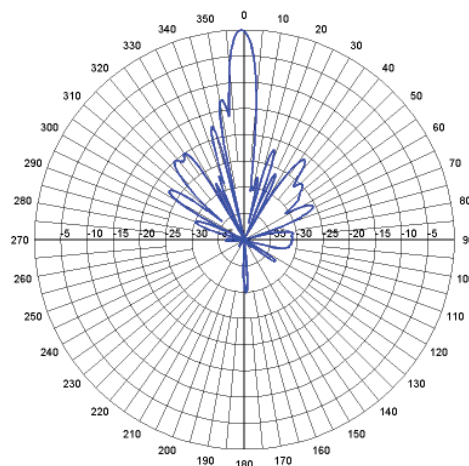
SP2327-18XP60NUF Azimuth Plane



SP2327-18XP60NUF Elevation Plane



SP2327-17XP90NUF Azimuth Plane



SP2327-17XP90NUF Elevation Plane

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