

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

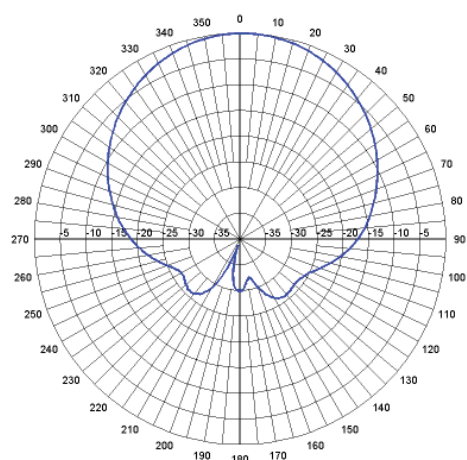
Model	Temperature Range	Dimensions (L X W X D)	Weight (Mass)	Wind Survivability
SP2327-18XP60NUF	-40°C to 70°C storage / -40°C to 70°C operating	48.5" x 6.7" x 3.5" (1232 x 171 x 90 mm)	8.8 lbs (4.0 kg)	125 mph (200 km/h)
SP2327-17XP90NUF	-40°C to 70°C storage / -40°C to 70°C operating	48.5" x 6.7" x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

Technical Data

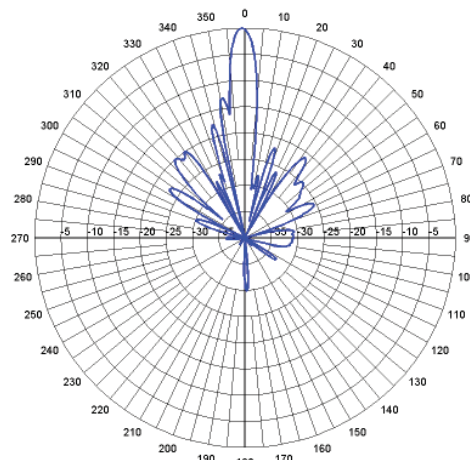
Polarization: Linear dual slant +/- 45°
Nominal Impedance: 50 ohms
VSWR: < 1.5
Front to Back Ratio: > 32 dB
Port to Port Isolation: 30 dB typical
Null Fill: -15dB
Upper Side Lobe Suppression: 30 degrees above horizon: > -18 dB
Radome Material: Gray UV resistant plastic
Connector: Type N female
Mounting Method: Adjustable pipe mount bracket (included)
Mount Material: Nickel Zinc Trivalent Plated Steel (RoHS Compliant)

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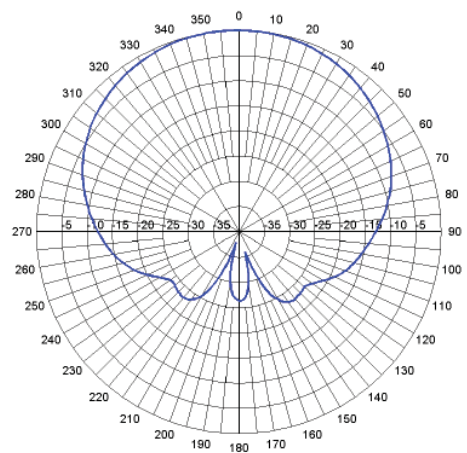
Radiation Patterns



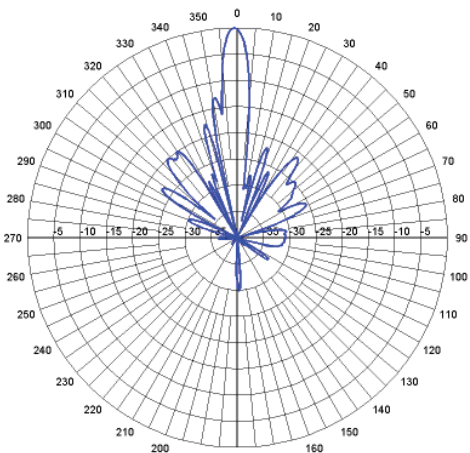
SP2327-18XP60NUF Azimuth Plane



SP2327-18XP60NUF Elevation Plane



SP2327-17XP90NUF Azimuth Plane



SP2327-17XP90NUF Elevation Plane

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