

Friday, January 12, 2018
12:00 PM

4.9-5.9GHz 65° & 90° Sector Panels

This WiMAX antenna is designed to cover frequencies from 4.9 to 5.9 GHz. 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
SP4959-17XP65	4.9-5.4 GHz	17.5 dBi	65° +/- 10%	5°
	5.4-5.9 GHz	16.5 dBi	65° +/- 10%	5°
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
SP4959-17XP65	-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)

Technical Data

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