

4.4-6.0 GHz MIMO Sector Panel Antennas

The SP4460 series of sector panel antennas was designed to cover 4.4-6.0 GHz frequencies for use in the NATO band IV, 4.9 GHz public safety band, and 802.11 broadband access applications. The platform consists of a rugged housing and fully adjustable mounting brackets for installation flexibility.

Features

- Outstanding port to port isolation of 30 dB typical
- VSWR of less than 1.5
- Great upper side lobe suppression



RF/Electrical Specifications

Model	Frequency Range	Nominal Gain	Azimuth Beamwidth	Elevation Beamwidth
SP4460-17XP65	4.4-5.0 GHz	17.5 dBi	65° +/- 10°	5°
	5.0-6.0 GHz	16.5 dBi	65° +/- 10°	5°
SP4460-16XP90	4.4-5.0 GHz	16.5 dBi	90° +/- 10°	5°
	5.0-6.0 GHz	15.5 dBi	90° +/- 10°	5°

Mechanical Specifications

Model	Temperature Range	Dimensions (LxWxD)	Weight (Mass)	Wind Survivability
SP4460-17XP65	-40°C to 65°C (storage or operating)	28"x6.7"x3.5" (711x171x90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)
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Technical Data

Polarization: Dual slant linear +/- 45°
Nominal Impedance: 50 ohms
VSWR: < 1.5
Front to Back Ratio: > 25 dB
Port to Port Isolation: 30 dB typical
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)