



## 3.3 to 3.8 GHz 65° & 90° Beamwidth Sector Antenna **NEW!**

This WiMAX antenna is designed to cover frequencies from 3300 to 3800 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



### 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)

### Electrical Specifications

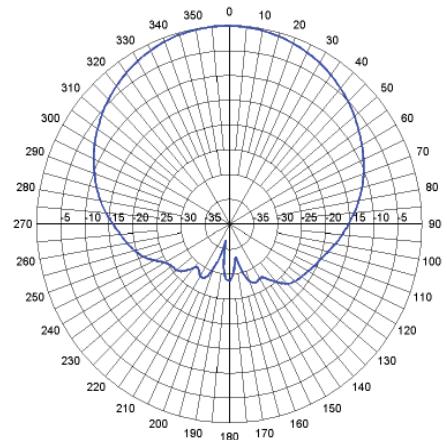
Model	Frequency Range	Nominal Gain	Azimuth Beamwidth	Elevation Beamwidth
SP3338-17XP65	3300-3500 MHz	16.5 dBi	65° +/- 5°	7°
	3500-3800 MHz	17.0 dBi	65° +/- 5°	7°
SP3338-16XP90	3300-3500 MHz	15.5 dBi	90° +/- 5°	7°
	3500-3800 MHz	16.0 dBi	90° +/- 5°	7°

### Mechanical Specifications

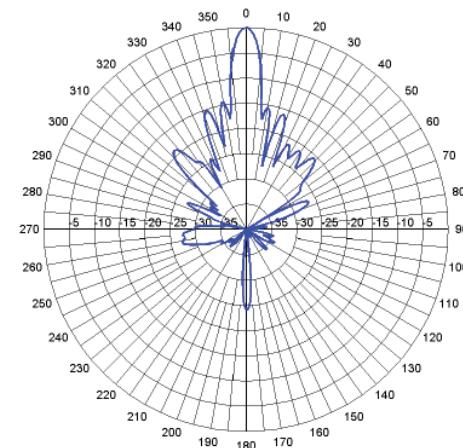
Model	Temperature Range	Dimensions (L X W X D)	Weight (Mass)	Wind Survivability
SP3338-17XP65	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)
SP3338-16XP90	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)

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.

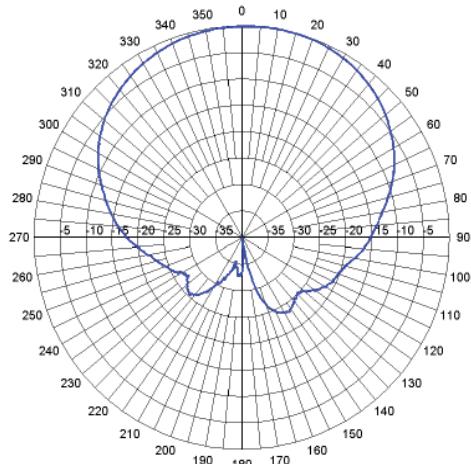
## Radiation Patterns



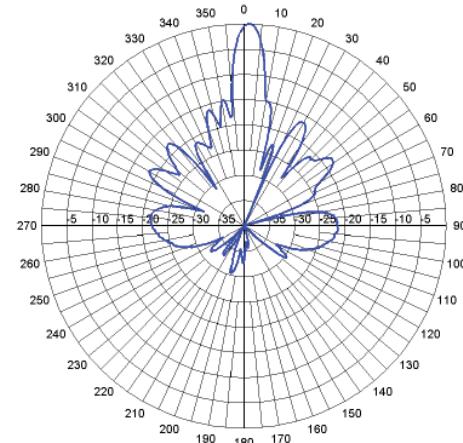
SP3338-17XP65 azimuth plane



SP3338-17XP65 elevation plane



SP3338-16XP90 azimuth plane



SP3338-16XP90 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.