



OP24516SX

6-Port MIMO Pole/Mast Mount Antenna 2400-2500 MHz/5150-5875 MHz

The OP24516SX antenna is an indoor/outdoor pole mounted omnidirectional antenna designed for 802.11n applications. As a 6-port, 3+3 MIMO antenna, with 3-ports operating over the 2.4GHz band and 3-ports assigned to the 5 GHz band, it provides an optimal 3-element MIMO solution for each band. Features a low profile radome and is designed to withstand the rigors of outdoor applications with an IP67 Ingression Protection rating. The radiation patterns are uniform and symmetrical, providing high levels of signal density into defined coverage zones. This antenna greatly enhances the performance of 802.11n systems.

FEATURES AND BENEFITS

- Low profile esthetically neutral housing
- Both indoor/outdoor
- 6-element MIMO solution
- IP67 rating
- Conformance to RoHS

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2400-2500 (3 Ports)	5150-5875 (3 Ports)
Gain (dBi)	1.6 typical (4.0 max)	5.0 typical (6.0 max)
Vertical Plane 3 dB Beamwidth	45°	32°
Horizontal Plane 3 dB Beamwidth	360°	360°
Isolation Port-to-port (dB)	20	30
Number of Ports	6	
VSWR - Max	2.0:1	
Nominal Impedance (Ohms)	50	
Polarization	Linear, Vertical	
Max Power - Ambient 25°C (W)	30 (5W x 6 ports)	

MECHANICAL SPECIFICATIONS

Dimensions - diameter x height - mm (inches)	209.6 x 116.5 (8.25 x 4.59)
Weight - kg (lbs.)	1.7 (3.7)
Cable Type	Plenum rated RG-58
Radome Material	Polycarbonate, white

ENVIRONMENTAL SPECIFICATIONS

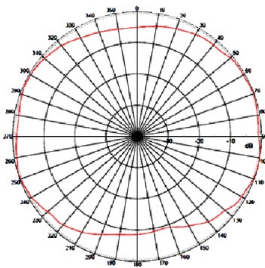
Wind Survival – km/hr (mph)	200 (125)
Operating Temperature – °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
Ingress Protection Rating	IP67

CONFIGURATION

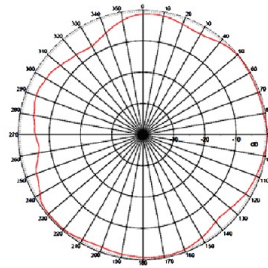
PART NUMBER	CABLE LENGTH	CONNECTOR
OP24516SX-91NM	SIX AT 910 MM ±18 MM (SIX AT 36 IN ±0.71 IN)	SIX, TYPE N
OP24516SX-91RSMM	SIX AT 910 MM ±18 MM (SIX AT 36 IN ±0.71 IN)	SIX, REVERSE POLARITY SMA MALE

RADIATION PATTERNS

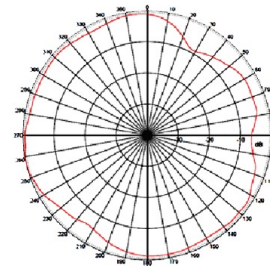
Azimuth, 2400 MHz



Port 1

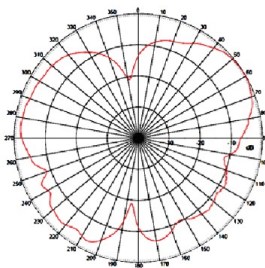


Port 2

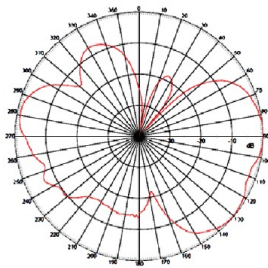


Port 3

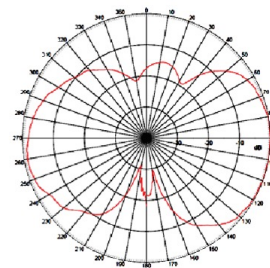
Elevation, 2400 MHz



Port 1

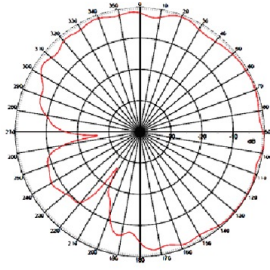


Port 2

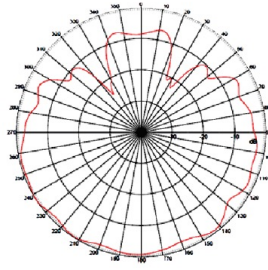


Port 3

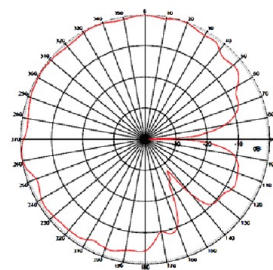
Azimuth, 5550 MHz



Port 1

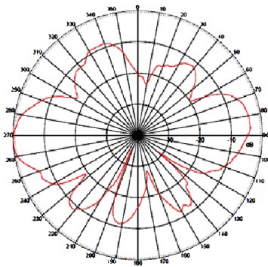


Port 2

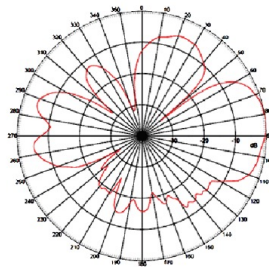


Port 3

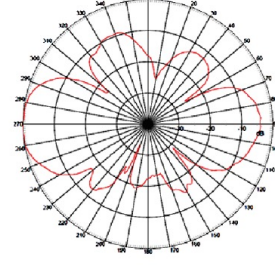
Elevation, 5550 MHz



Port 1



Port 2



Port 3

TE TECHNICAL SUPPORT CENTER

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