

2400-2500 MHz/5150-5875 MHz 6-port MIMO Pole/Mast Mount Antenna OP24516SX



6-PORT OMNIDIRECTIONAL 3+3 MIMO ANTENNA

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

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

MARKETS

- Offices, hotels and college campuses
- Airports and hospitals
- Bus terminals and train stations
- Museums, libraries and retail malls
- Wi-Fi Hot Spots
- Cellular off-loading
- 802.11n MIMO

Parameter	Performance
Frequency	3-ports 2400-2500 MHz/ 3-ports 5150-5875 MHz
Gain (dBi)	1.6 Typical (4.0 Max)/ 5.0 Typical (6.0 Max)
VSWR	2.0:1, Max
Nominal Impedance	50Ω
Polarization	Linear, Vertical
Azimuth Typical 3dB Beamwidth	Omnidirectional
Elevation Typical 3dB Beamwidth	45° /32°
Port-to-Port Isolation	20 dB /30 dB
Input Power	5W x 6
RF Connector	Type N, Male 6x
Cable Type	Plenum rated RG-58
Cable Length	910 mm±18 mm 6x (36 in±0.71 in 6x)
Radome Material	Polycarbonate, White
Mounting	Mast Mount (31.8-57.2 OD)
Wind Survival	200 km/hr (125 mph)
Operational Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Ingression Protection	IP67
Dimensions (height x OD)	116.5 x 209.6 mm
Weight	1.7 kg (3.7 lbs)

CONNECTORS

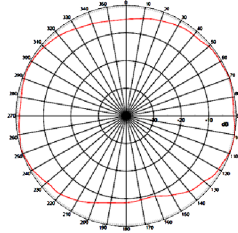
Part No.	Connector
OP24516SX-91NM	Type N male
OP24516SX-91RSMM	Reverse Polarity SMA male

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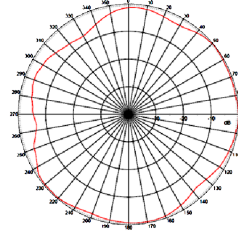
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AZIMUTH PATTERNS

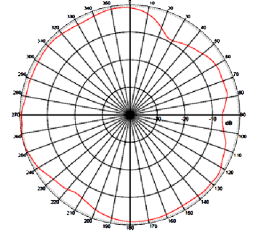


Port 1

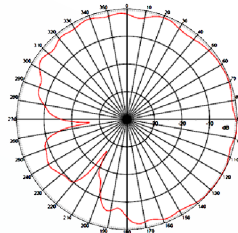


Port 2

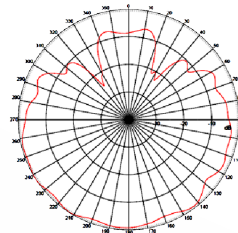
Frequency = 2400 MHz



Port 3

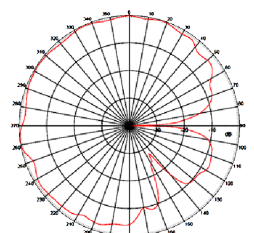


Port 1



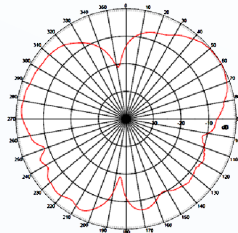
Port 2

Frequency = 5550 MHz

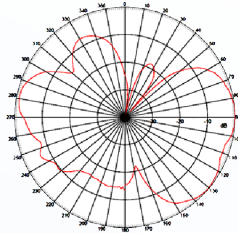


Port 3

ELEVATION PATTERNS

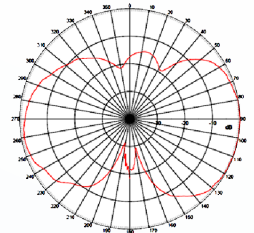


Port 1

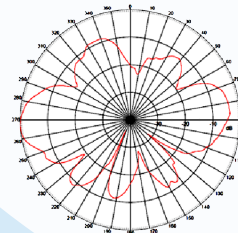


Port 2

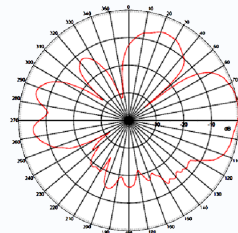
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Port 3

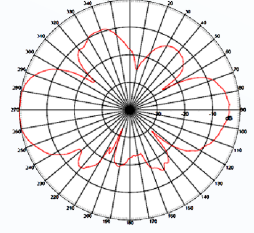


Port 1



Port 2

Frequency = 5550 MHz



Port 3

ANT-DS-OP24516SX 1212

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