



OCX24529-CS2

2.4-2.5 GHZ, 5.25-5.925 GHZ DUAL-BAND OMNIDIRECTIONAL ANTENNA

The OCX24529-CS2 is a 2.4-2.5/5.25-5.925 GHz dual-band omnidirectional collinear array especially designed to compliment interior or exterior mounted wireless network systems. The integrated male N-connector is embedded in the antenna base cap for direct AP mounting. Sealing permits either upright or inverted orientation in outdoor locations. The antenna may also be pole-mounted when separation from the AP is required for optimum positioning.

FEATURES AND BENEFITS

- Installed upright or inverted
- Vertically polarized omnidirectional
- Rugged, light weight and water resistant
- Full wide band 802.11 a/b/g performance
- Compact size

APPLICATIONS

- Outdoor metropolitan mesh networks
- Enterprise WLAN networks
- Indoor/outdoor mast mounts
- High to medium density customer premise locations

ELECTRICAL SPECIFICATION

Model Number	OCX24529-CS2					
Cisco Model Number	AIR-ANT2568VG-NS					
Cisco Mfg Part Number	07-100554-01					
Self-Identifying Circuitry	07-100554-01					
Operating Frequency (MHz)	2400-2420	2420-2500	5250-5700	5700-5850	5850-5925	
Gain (dBi) - Max	6.0	6.0	7.9	8.0	8.0	
VSWR - Max	<1.7	<1.5	<1.8	<1.5	<2.0	
E-Plane 3 dB Beamwidth, degrees	22		11			
H-Plane 3 dB Beamwidth	Omnidirectional					
Omnidirectional Ripple, dB	<2					
Nominal Impedance (Ohms)	50					
Max Power - Ambient 25°C (W)	1					
Polarization	Vertical Linear					
H-Plane 3dB Beamwidth	Omnidirectional					

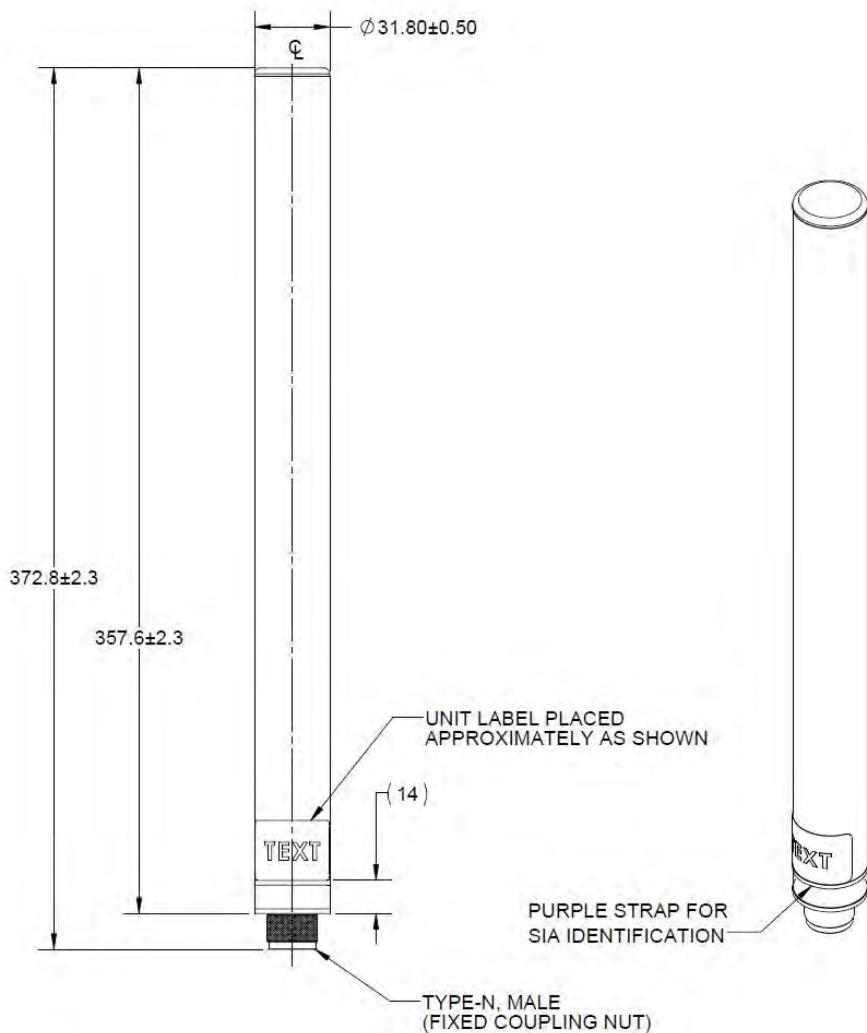
MECHANICAL SPECIFICATION

Dimensions - mm (inches)	377.2 x 31.80 (14.85 x 1.25)
Weight - kg (lbs.)	0.18 (0.40)
Radome Material	UV Polycarbonate Gray with purple strap (at the bottom)
Connector	Type N, Fixed, Male
IP Rating	IP67

ENVIRONMENTAL SPECIFICATIONS

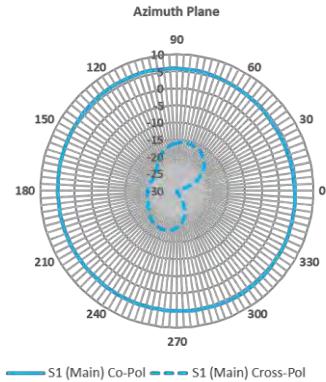
Operating Environment (Indoor or Outdoor)	Indoor/Outdoor
Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)
Material Substance Compliance	RoHS

MECHANICAL DRAWING

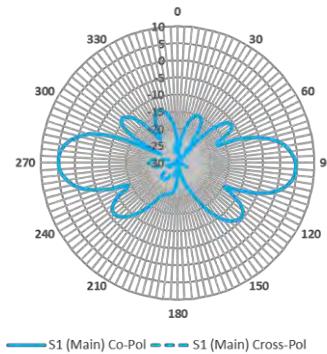


RADIATION PATTERNS

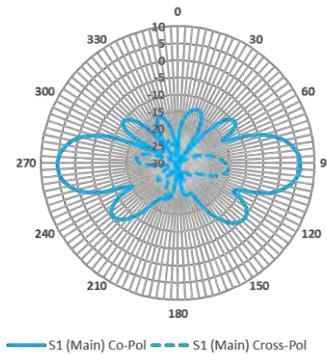
2400



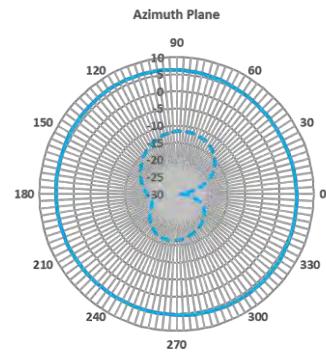
Phi 0° Plane



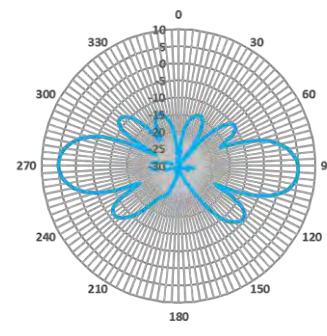
Phi 90° Plane



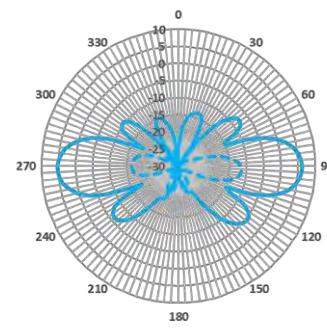
2450 MHz



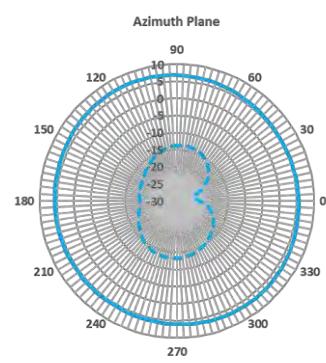
Phi 0° Plane



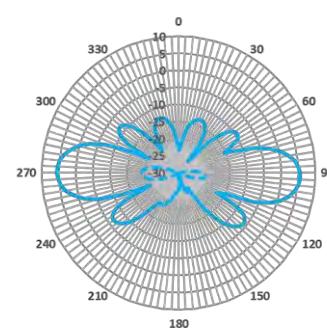
Phi 90° Plane



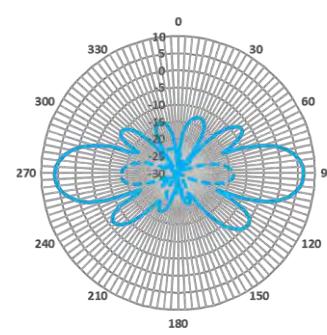
2500 MHz



Phi 0° Plane

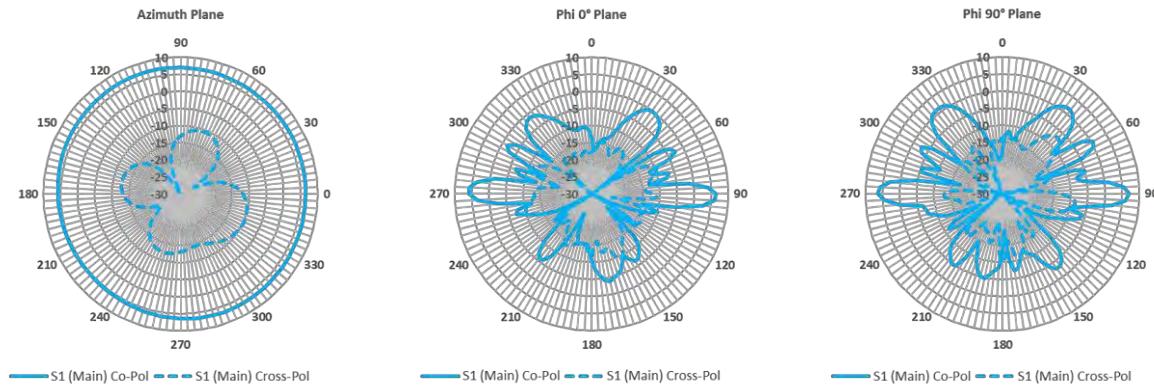


Phi 90° Plane

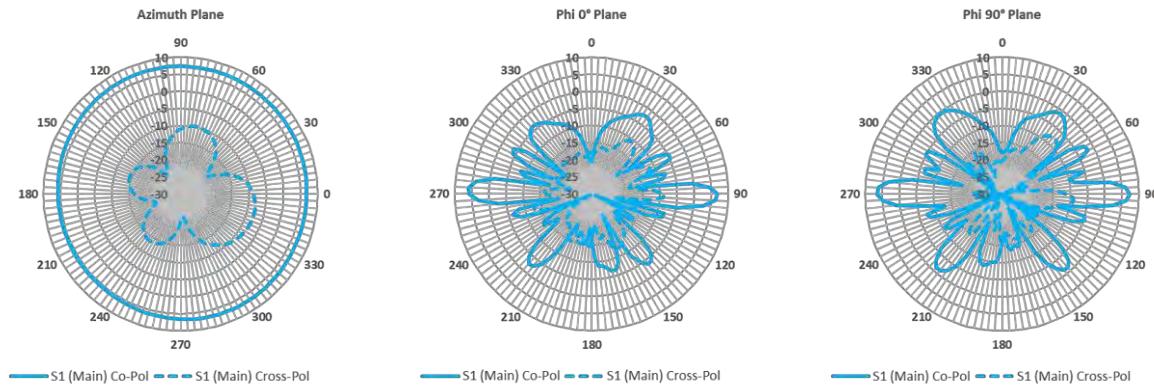


RADIATION PATTERNS

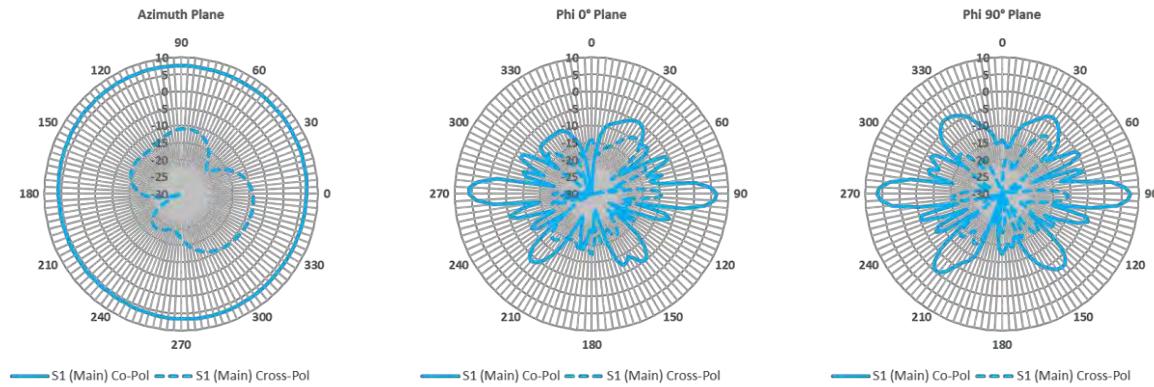
5250 MHz



5350 MHz

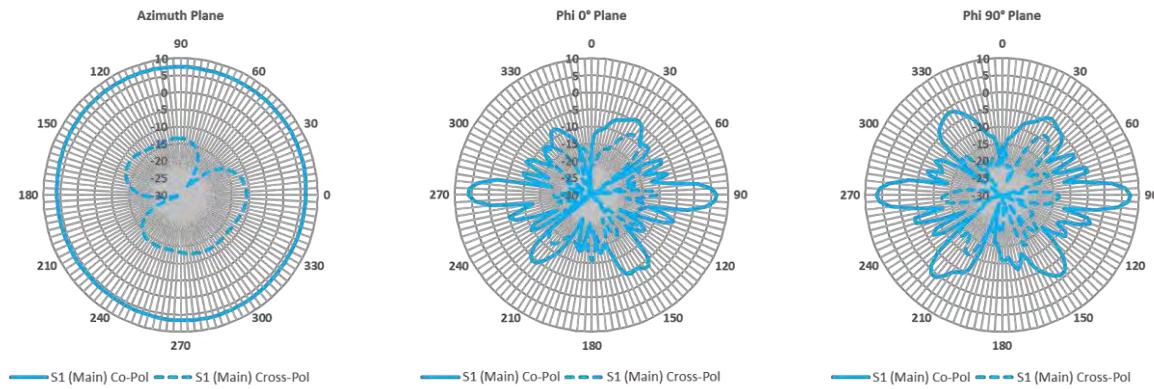


5470 MHz

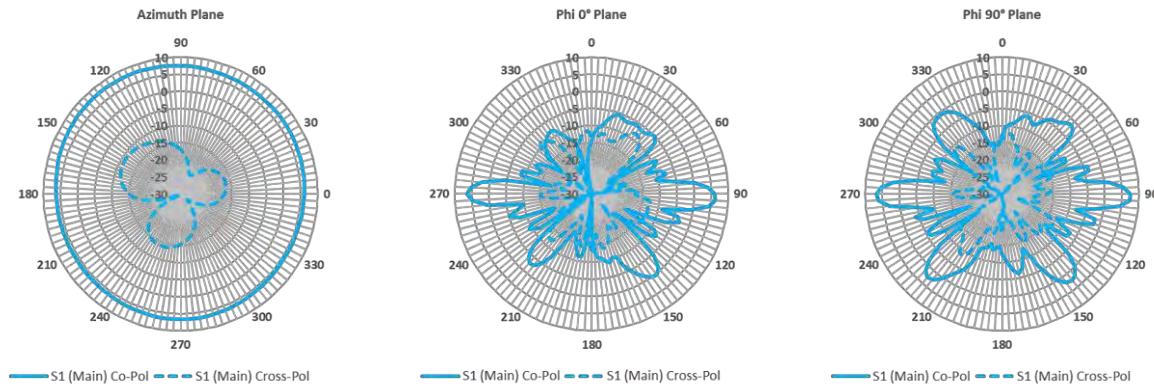


RADIATION PATTERNS

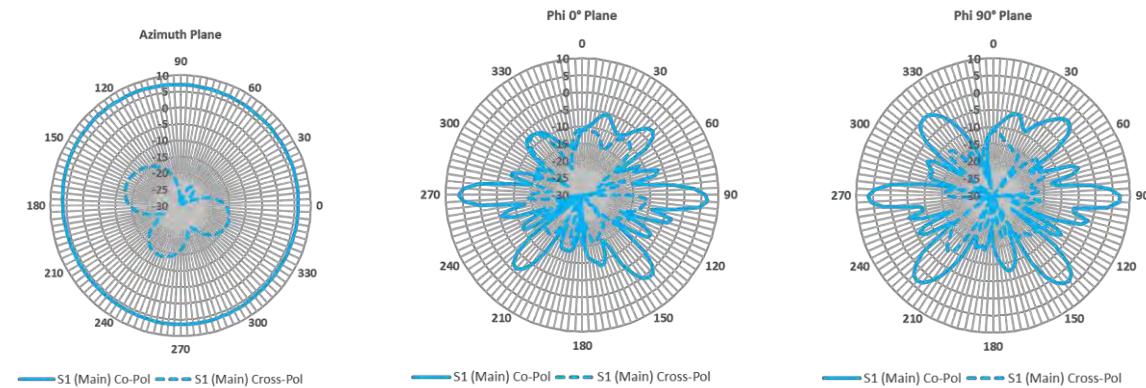
5550 MHz



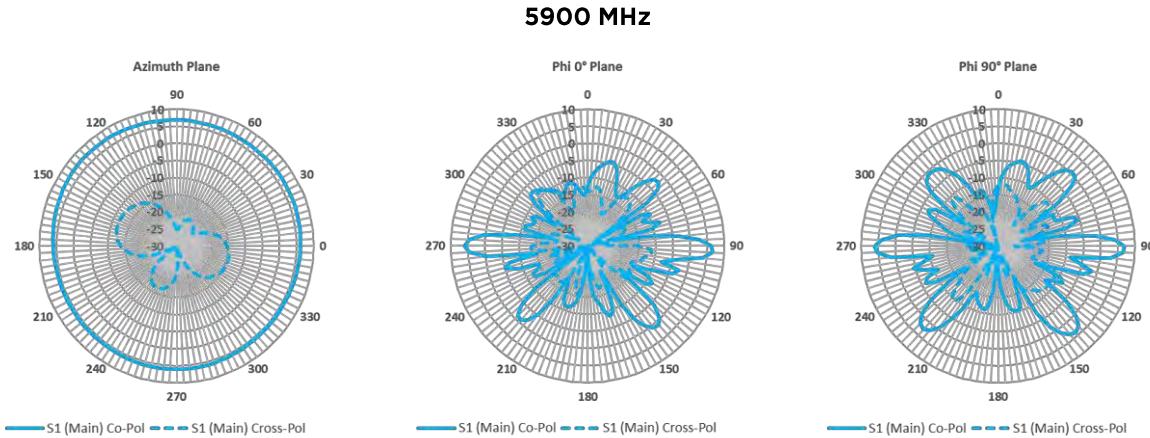
5725 MHz



5850 MHz



RADIATION PATTERNS



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