



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 | | | | |

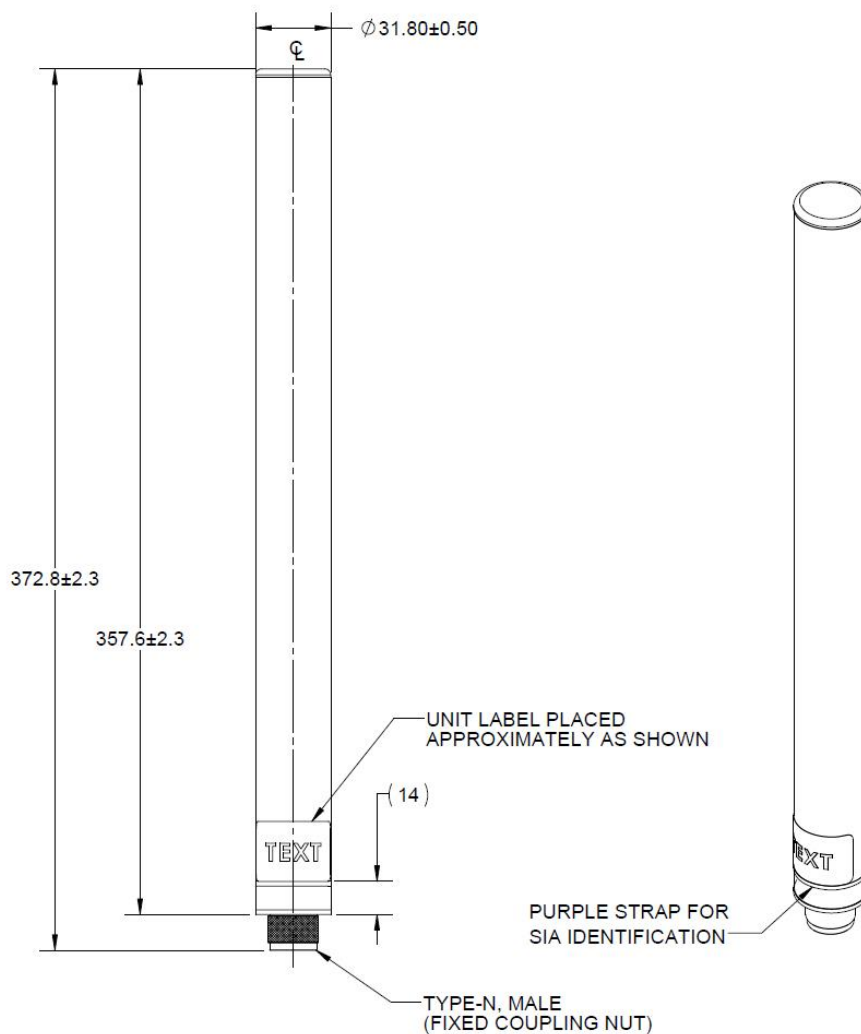
MECHANICAL SPECIFICATION

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

ENVIRONMENTAL SPECIFICATIONS

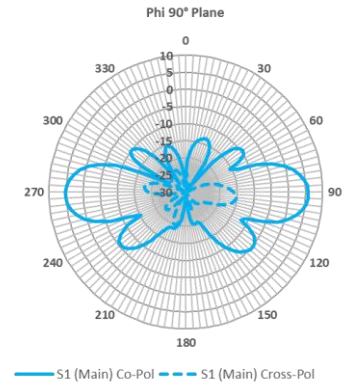
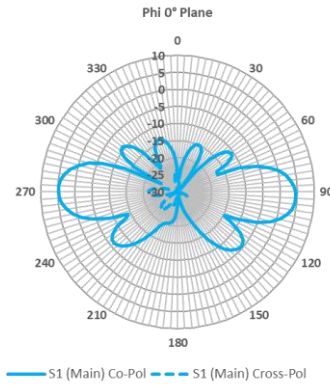
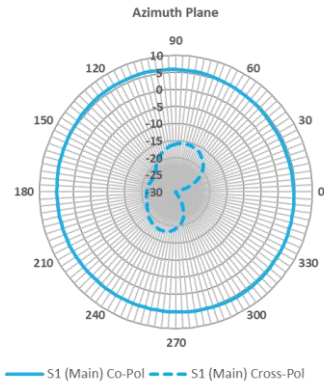
| | |
|---|------------------------------|
| Operating Environment (Indoor or Outdoor) | Indoor/Outdoor |
| Operating Temperature - °C (°F) | -30 to +70°C (-22 to +158°F) |
| Storage Temperature - °C (°F) | -40 to +85°C (-40 to +185°F) |
| Material Substance Compliance | RoHS |

MECHANICAL DRAWING

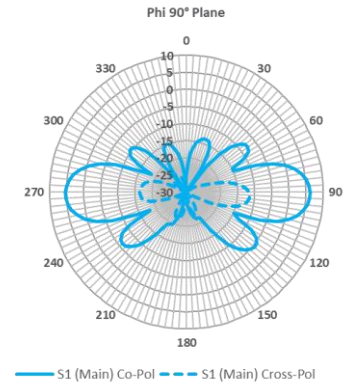
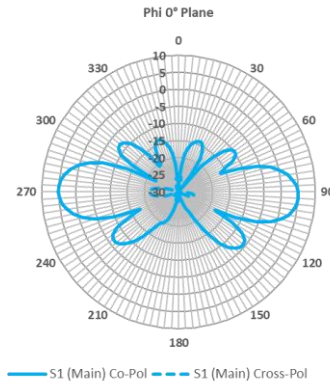
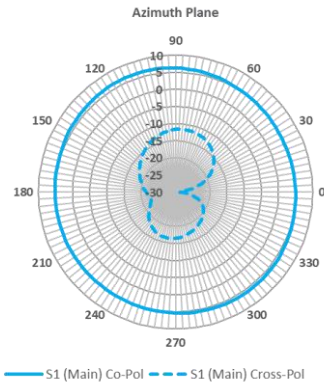


RADIATION PATTERNS

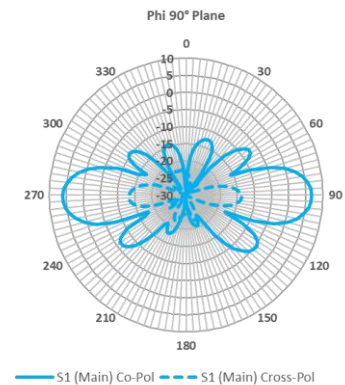
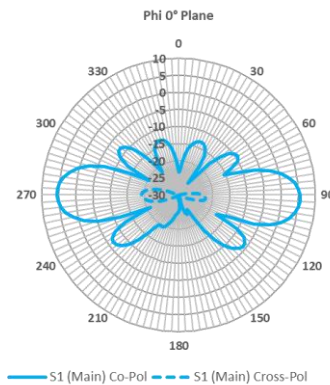
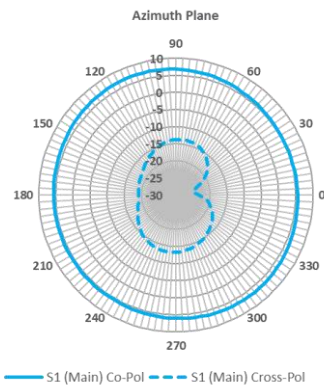
2400



2450 MHz

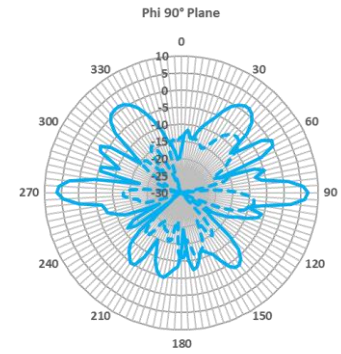
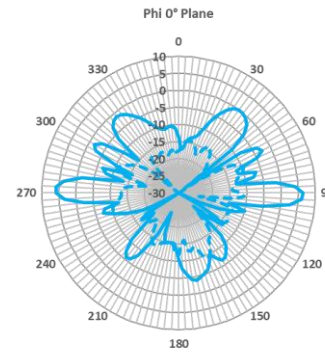
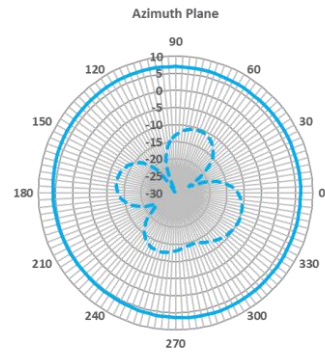


2500 MHz

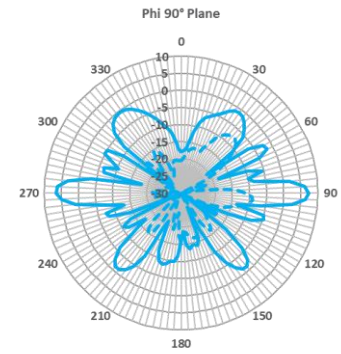
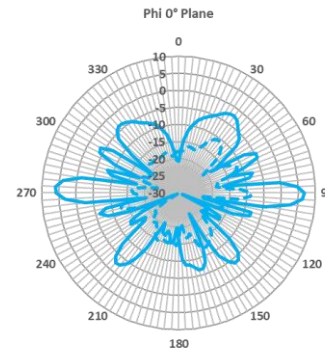
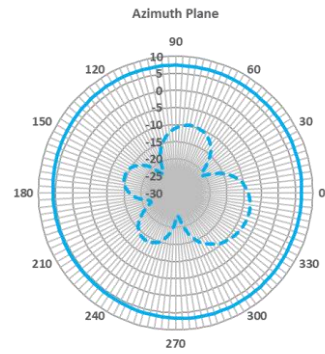


RADIATION PATTERNS

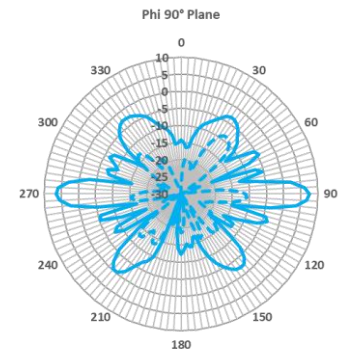
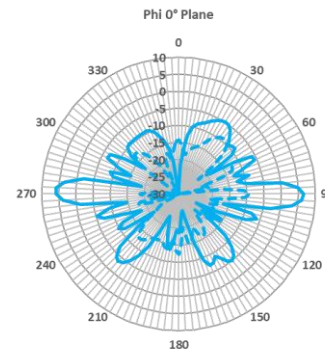
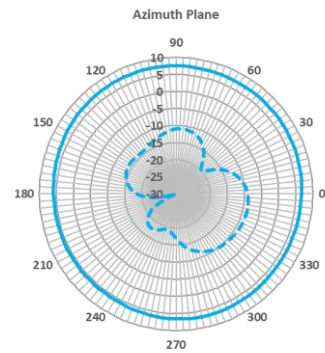
5250 MHz



5350 MHz

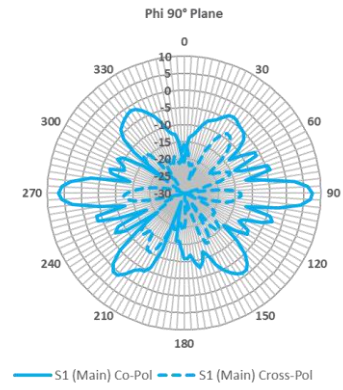
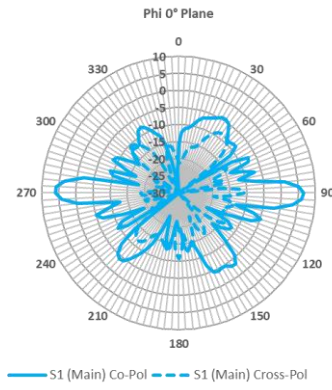
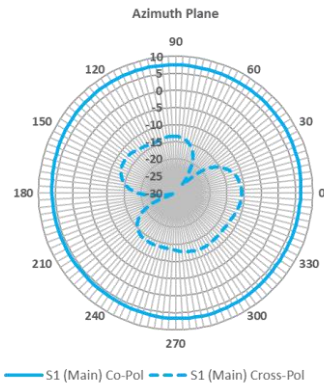


5470 MHz

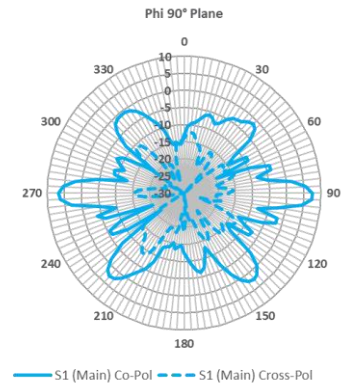
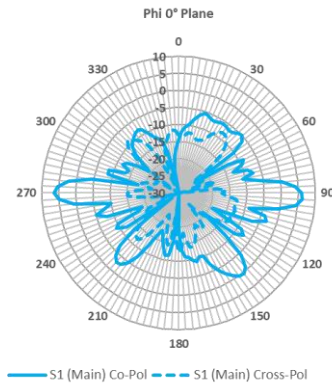
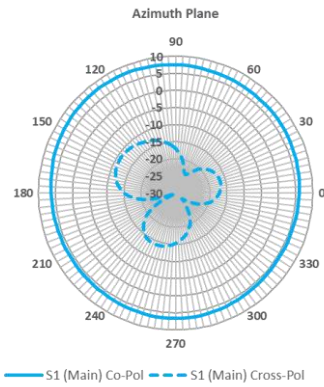


RADIATION PATTERNS

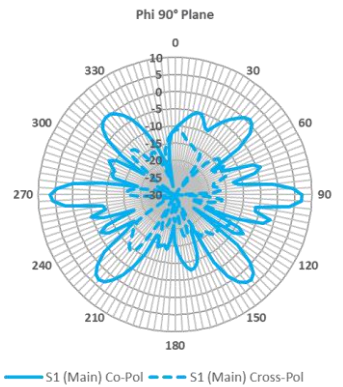
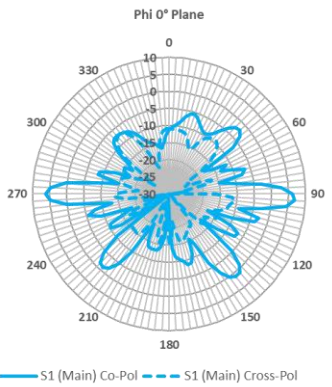
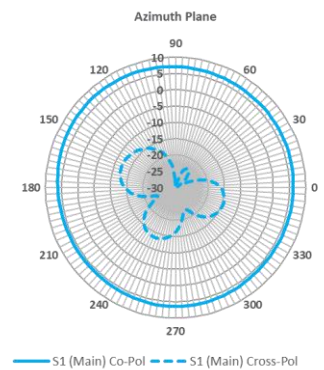
5550 MHz



5725 MHz

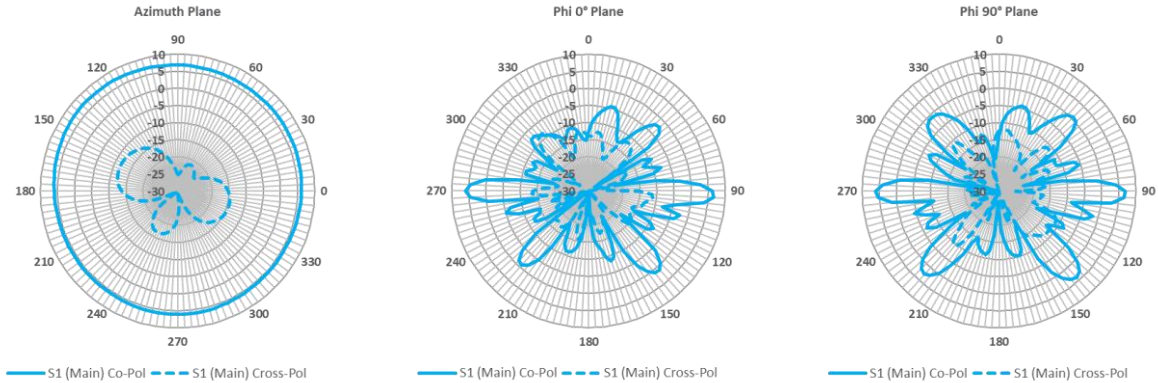


5850 MHz



RADIATION PATTERNS

5900 MHz



Company Address: TE Connectivity, 3101 Fulling Mill Road, Middletown, PA, 17057, USA

TE TECHNICAL SUPPORT CENTER

| | |
|-------------------|-----------------------|
| USA: | +1 (800) 522-6752 |
| Canada: | +1 (905) 475-6222 |
| Mexico: | +52 (0) 55-1106-0800 |
| Latin/S. America: | +54 (0) 11-4733-2200 |
| Germany: | +49 (0) 6251-133-1999 |
| UK: | +44 (0) 800-267666 |
| France: | +33 (0) 1-3420-8686 |
| Netherlands: | +31 (0) 73-6246-999 |
| China: | +86 (0) 400-820-6015 |

te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

08/22 Original