

# TOUGHER WIRELESS ENVIRONMENTS CALL FOR BETTER TRI-SECTOR ANTENNAS



As 4G and 5G network densification continues, mobile operators are increasingly having to settle for site locations—such as flagpoles and rooftops—with limited space and rigid aesthetic requirements. Tri-sector antennas pack more coverage and capacity into a smaller package, making them a good solution. But most existing tri-sector solutions do not provide enough ports or 4G/5G bandwidth capabilities to support long-term LTE growth and true 5G performance.

To address these challenges, Mobile Network Operators need tri-sector antenna solutions that are easier to permit and deploy while supporting the range of frequencies and configurations needed to evolve their 4G/5G services. ANDREW has your back.

**New tri-sector antennas built for today, designed for tomorrow.**

ANDREW'S new tri-sector antennas are engineered for today's hard-to-permit sites while enabling tomorrow's full range of 4G/5G capabilities. Two highly customizable designs—compact and stackable wraparound—let you create a best-fit solution whether you're upgrading an existing location or deploying a new one.

Both designs feature a compact footprint with low visual impact to help reduce zoning issues. Yet each packs up to 72 ports per antenna so you can support more radios, frequency bands and higher-order MIMO. Because the interleaved arrays operate at different frequencies, you can deploy more bandwidth with less interference.

The simplified design uses significantly less material for a smaller carbon footprint, while easy and repeatable deployment reduces your time to market.

**Two highly customizable designs**



Three separate antennas around a pole

Three sector antennas inside a radome that mounts on top of a pole

DESIGN FLEXIBILITY	AESTHETICS
Customizable, easier and faster to install	Compact concealment for macro networks
<ul style="list-style-type: none"> <li>• <b>Application-based deployment:</b> Includes concealment, rooftop and flagpole</li> <li>• <b>Compact housing:</b> Up to six or 12 low-band ports in a 14.6 in (37 cm) or 23 in (58 cm) diameter housing</li> <li>• <b>Full range of bands:</b> Includes 4G LTE and 5G (617–960 MHz / 1400–2700 MHz / 3.5 GHz)</li> <li>• <b>Configuration options:</b> 2T2R, 4T4R, 8T8R</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Compact:</b> Small, streamlined housing contains three sectors and up to 72 ports</li> <li>• <b>Wind loading:</b> Aerodynamically designed contours reduce wind loading</li> <li>• <b>Concealment:</b> Can be disguised as a chimney or other non-telecom street furniture</li> </ul>

Since 1937, ANDREW, an Amphenol company, has driven the evolution of wireless technology. Trusted by mobile network operators and enterprises globally, we work closely with our customers to deliver innovative solutions that enhance connectivity experiences both outdoors and indoors. Our dedicated global team is committed to advancing the industry, fueled by the vision that a better-connected future is possible.

To learn more about ANDREW tri-sector antennas, visit [ANDREW.com](http://ANDREW.com)

**ANDREW.COM** Visit our website or contact your local ANDREW representative for more information.

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