



# The U.S. rip and replace program

Who makes your network equipment is as important as its performance

COMMSCOPE®

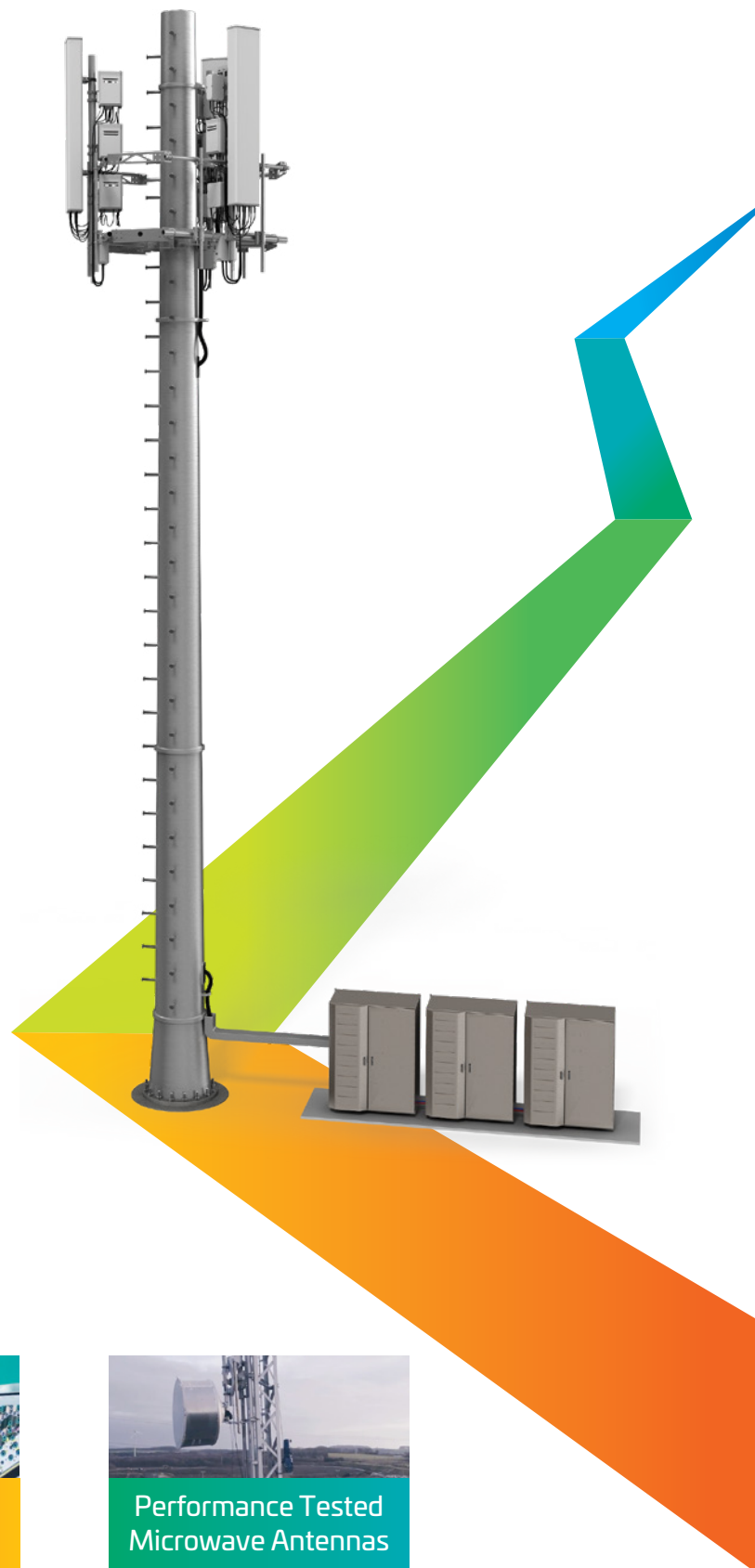
**PRIMUS**

The Secure and Trusted Communications Networks Act of 2019 (H.R. 4998) calls for the removal and replacement of network equipment supplied from companies deemed to present a national security risk. A rip and replace of your existing network can be disruptive and costly. CommScope helps make the transition quick, easy, and cost-effective.

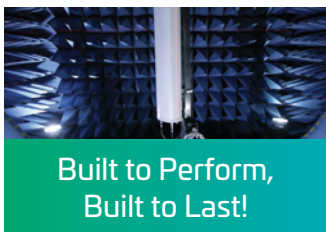
### **Add reliable performance and faster deployment with CommScope**

As a U.S. company with global reach, CommScope provides fast local distribution and breadth of solutions to improve your network's performance and accelerate deployment while lowering total cost of ownership. Now, one trusted source can provide all your macro cell needs: base station antennas, end-to-end RF path components, fiber-to-the-antenna (FTTA) connectivity, microwave backhaul, power delivery solutions and structural supports.

CommScope gives you the flexibility to support any U.S. licensed band. With state-of-the-art testing and an industry-leading warranty program, we deliver quality and reliability you can count on.



## Learn more about CommScope's capabilities



**Built to Perform,  
Built to Last!**



**PIM Excellence!**



**Performance Tested  
Microwave Antennas**



# RF path solutions

## Base station antennas

Our 12-port, **FFV4**, multiband antennas are the perfect replacements for your existing antennas. Now you can support all U.S. licensed FDD bands in a 20-inch wide radome, while delivering excellent performance for rural coverage. Visit us [online](#) for additional antenna options.

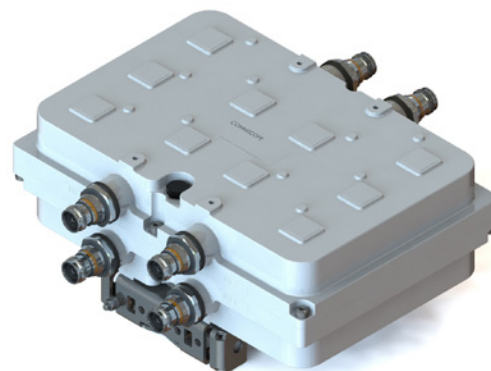
- Supports 600/700/850 + AWS/PCS/WCS/2600 bands
- 4 low-band ports and 8 mid-band ports for greater flexibility
- 4, 6, and 8-foot lengths available
- Every antenna is 100% factory tested for return loss, isolation and PIM for reliable, trouble-free performance



## Interference mitigation filters (IMF)

CommScope's **interference mitigation filters** use proprietary technology that effectively suppresses interfering bands while passing all desired bands and information. IMF solutions can be deployed as standalone filters or integrated into **tower mounted amplifiers** (TMAs) and **multiband combiners**.

- Extensive portfolio and fully-customizable solutions for all applications
- Compact and lightweight for reduced tower loading and lease costs
- Industry-leading IMF technology



## Ultra-compact multiband combiners

Our **ultra-compact multiband combiners** can help you increase cell capacity while significantly decreasing space requirements and deployment time. They help your growing network adapt and evolve, easily and seamlessly, to the changing wireless environment.

- Up to 60 percent smaller than traditional combiners
- Lighter weight for easier installation in tight spaces
- Designed to support LTE bands and provide seamless migration to 5G



## Connectivity and power solutions

From fiber and power cables, **RF jumpers** and **connectors**, to **junction boxes**, CommScope's HELIAX® connectivity portfolio covers all your **RF** path and **fiber-to-the-antenna** (FTTA) architectures. All solutions are engineered and rigorously tested to ensure fast and flexible deployment with superior reliability and PIM protection.

- D-CLASS PIM-rated jumpers and super-flexible cabling
- 4.3-10 and smaller **coaxial connectors** for improved PIM performance
- **SureGuard® weatherproofing boots** and **PIM-guard accessories**
- FTTA solutions for any site architecture



### High-power delivery

**PowerShift®**—the industry's first intelligent, dc power supply—regulates voltage at the RRU or remote, eliminating the need for a tower-top converter. Besides lowering CapEx and installation time, it extends backup battery runtimes, enabling RRUs to operate up to 50 percent longer during a power outage.

- PowerShift 1460: One rack unit module supports up to 12 circuits.
- PowerShift 2000R: Optimized for 12-RRU sites, delivering 2 kW per circuit output.
- PowerShift 2000FA: Front access connections for 12-RRU sites, delivering 2 kW per circuit output.







## Microwave backhaul solutions

CommScope's single and dual-band **microwave backhaul antennas** support long and short haul applications and frequencies from 4.4 GHz to 80 GHz (E-Band). Whether you need farther reach or backup for your short haul, a low wind-load antenna for your long haul, or a kit that strengthens your microwave antenna's ability to withstand higher wind speeds, we have what you need. For added flexibility, our OEM-integrated antennas are modular—making it easy to swap radios in the field using a compatible radio interface kit available from the OEM.

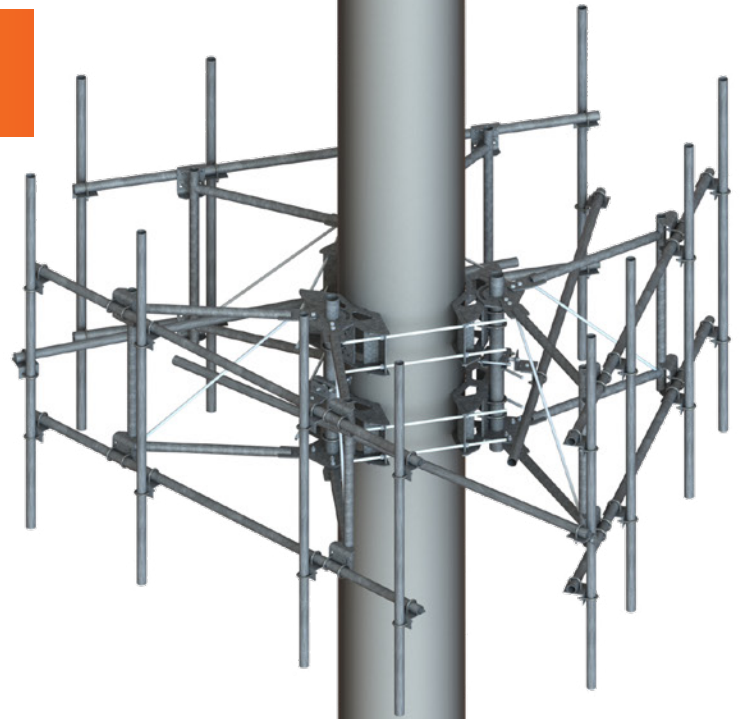
- Microwave and mmWave in one antenna with flexible configurations
- **LX6** low wind-load antennas available in 6, 7, and 11 GHz
- Field-installable high-wind kits increase survivability up to 155 mph (250 km/h)



## Structural supports and accessories

CommScope designs and engineers **support systems and accessories** for virtually any microwave or base station antenna structure, tower or monopole. Tested to meet or exceed the latest EIA/TIA requirements, they help ensure stable antenna alignment, RF path integrity, reduced customer churn and a lower total cost of ownership.

- Antenna mounts designed, engineered and tested for virtually any pole, structure and orientation
- Full line of accessories: pipes and angles, clamp sets, cable supports, hardware and more
- Configurable equipment platforms, canopies and kits



# Rely on CommScope

At CommScope, the breadth and quality of our mobile network solutions are matched only by our commitment to our customers. Making good on that promise requires superior engineering, constant testing and a comprehensive warranty program that's consistently rated one of the best in the business.

For over 40 years, CommScope has been the industry leader in wired/wireless network infrastructure. As you continue to address the challenges of an ever-changing mobile landscape, rely on our strength and experience.

A rip and replace is rarely a first option. But, with CommScope, you can do it faster and easier while improving your network performance and speed of deployment.

For more information, contact **Mike Kruse** at CommScope or **visit us online**. Together, we'll build a brighter, more connected future across all America.

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement.

We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at [commscope.com](https://commscope.com)

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