



Alpha Wireless Is Your Antenna Partner

Since 2007, Alpha Wireless has designed and delivered innovative antenna solutions globally. With over 1.5 million antennas installed, we have the knowledge and experience to guide you in selecting antenna solutions that offer the industry's lowest TCO and highest performance.

Innovation is in our DNA. Communication technology is constantly changing, and as the ecosystem shifts, we evolve our solutions to solve our customers' challenges.





High-Performance Antenna Solutions

Our customers span the globe and a spectrum of enterprises, from mobile operators requiring multiple band support to private networks with specialized requirements. To best serve our customers, we design our antenna solutions to address particular industries and challenges.



3.5 GHz, CBRS and C-Band Solutions

3.5 GHz and C-Band solutions have been available in some markets for years. The 3.5 GHz spectrum has been allocated in 56 countries to 156 mobile network operators. These frequencies enable providers to access the spectrum for public and private LTE and 5G fixed wireless networks, mobility, IoT, public safety, etc.



Tri-Sector Antenna Solutions

Easily pass zoning and planning requirements with the world's smallest-diameter canister antenna. Our tri-sector antenna delivers macro coverage with a small cell footprint. Its aesthetics are ideal for scenic locations, rooftops and streetwork sites, and its ease of deployment makes it a win for everyone. With multiple antennas and ports, our tri-sector antennas provide robust 4G and 5G coverage with low visual impact wherever you need it. With multi-operator support, Alpha Wireless tri-sector antennas facilitate infrastructure sharing, reduce TCO, minimize environmental impact and aid the planning process.



Multiband Small Cell Antennas

With the advent of 5G, antennas need to be closer to the mobile consumer. Alpha Wireless offers a range of ultra-compact antenna solutions that contain multiple ports and bands in one neat package. With their high functionality and performance, low interference and low visual impact, these antennas breeze through zoning approvals and can be installed just about anywhere.



Concealment Solutions

Save 59% in overall installation costs, 74% in labor costs, and 50% in installation time with the Concealed Antenna Node (CAN) small cell solution. This fully contained and integrated solution includes the antenna, shroud, radio and power, and its single, discreet enclosure is aesthetically pleasing to easily pass zoning reviews. We assemble, wire and test this multiband antenna before shipment for quick, easy installation on a side arm, utility pole or rooftop. It can also be upgraded to house 5G mmWave.



Utility Network Solutions

Utilities are increasingly facing significant weather, regulatory and public opinion challenges, revealing an urgent need to upgrade disparate networks. The ability to meet current requirements, prepare for an uncertain future and continue to provide reliable service rests on effectively harnessing communications. Alpha Wireless builds our utility antenna solutions to quickly and cost-effectively establish reliable connectivity from thousands of endpoints to an in-house private LTE or public network. Our utility antenna solutions bring utility communications into the 21st century.



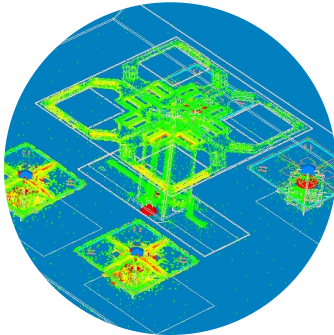
Stadium Antenna Solutions

The in-stadium sports experience has changed. Fans, broadcasters, teams and vendors need fast, reliable connectivity for new applications. Alpha Wireless's stadium antenna solutions upgrade the network from 4G to 5G with a targeted beam addressing each seating section individually. Our stadium antennas meet all communication needs with options that support lowband, midband and highband legacy systems and provide reliable voice connectivity. The design facilitates frequency reuse, saves costs and provides five-bar service to every seat in the house.



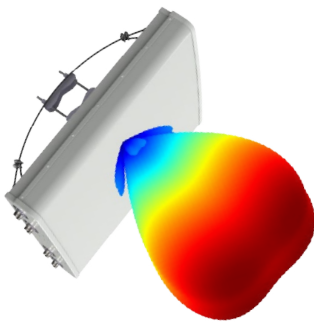
Our Innovative Technology Solves the Toughest Challenges

Alpha Wireless's patented antenna technologies address today's operator challenges, most commonly the need to provide expanded service while staying within budget. Our engineers have decades of experience that they apply to develop the unique problem-solving features of our antennas.



Frequency Transparent Dipole Technology™ (FTDT)

Our patent-pending FTDT technology shields one frequency from the other in our multiband antennas, enabling the antenna to transmit and receive in a small enclosure without interference. High-performing multiband antennas with FTDT reduce the overall TCO by saving on equipment, rent, installation and maintenance costs.



Side Lobe Suppression

We design our antennas with side lobe suppression to mitigate interference in LTE and 5G networks. This technology delivers many benefits:

- Frequency reuse
- Interference reduction
- Signal-to-noise ratio improvement
- Cell edge performance enhancement
- High levels of spectral efficiency
- Average uplink/downlink improvements
- The need for fewer nodes
- Tremendous cost savings

The Antennas You Need When You Need Them

Alpha Wireless offers a core set of platform-based antennas available for order immediately. When our customers need something different, our team of developers can quickly design new antennas from whiteboard to prototype in 90 days.

We have a dedicated team of developers who enthusiastically embrace problem-solving. Additionally, our products are modular, enabling custom development.

We're Here to Solve Your Greatest Network Challenges

"Antenna partner" is more than a tagline for the Alpha Wireless team. It is how we choose to interact with our customers. We listen carefully to your goals and challenges and stand beside you from inception to installation, guiding you to solutions that give you the highest possible ROI for your network. Contact us today to talk with our antenna experts.



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