LEADER IN MICROWAVE ANTENNA INNOVATION
As the leader in microwave antenna innovation, RadioWaves provides a full product platform of microwave antennas for both licensed and unlicensed spectrum designed to increase performance, provide mechanical durability and reduce operational costs through ease of installation.

The demand for network bandwidth grows with each new connected device to the Internet. The collective stress of client devices is anticipated to increase demand for network bandwidth by a factor of five by 2018. Increased demand for backhaul cellular bandwidth is driving capacity requirements on individual links, as well as additional links for network deployment.

INCREASED DEMAND

Increased demand for backhaul cellular bandwidth is driving capacity requirements on individual links, as well as additional links for network deployment.

Our expansive portfolio of wireless and broadband antennas are designed to optimize RF performance, as well as support densification programs in microwave systems. Each purpose-built design is manufactured to minimize part count, maximize system performance and provide rapid on site assembly in the harshest environments, while providing both high reliability and measured ROI for network operators.
RadioWaves designs and manufactures a variety of microwave antennas including Parabolics – Standard Performance (SP), High Performance (HP), High Performance Professional (HPPro), High Performance Commercial (HPC), Super High Performance (SHP), as well as Sector (SEC) and Flat Panel (FP) antennas for terrestrial microwave Point-to-Point, Point-to-Multipoint and access applications. These antennas support Telecoms, Enterprise and Industrial applications. They are available as single or dual polarized antennas, support standard frequency bands from 1.3 to 86 GHz and come with a 7-year warranty.

**HP Professional Series**
RadioWaves has redesigned key components of our high performance parabolic antenna line to provide higher gain and reduced interference, enabling improved support for a broader variety of network topologies while delivering better range and higher capacity.

- High performance ETSI Class 3 parabolic antennas
- Fully pre-assembled - simplifies installation on site while guaranteeing “factory-tested” quality
- Mounting flexibility - new lightweight design for broad mounting flexibility, yet retains RadioWaves reliability and robustness
- Multiple bands - ten frequency bands offered from 5.9 to 38 GHz
- HPPro antennas available in 1 ft. (30 cm), 2 ft. (60 cm), 3 ft. (90 cm), 4 ft. (120 cm), 6 ft. (180 cm) and 8 ft. (240 cm) diameter options

**HP Commercial Series**
The HPC Series antennas are value priced for economical deployments and come fully pre-assembled. Compliant to ETSI and FCC standards, with wind ratings of 125 mph minimum operating and 155 mph survival, the HPC Series is built to last. Waveguide and direct mount interfaces are available. The HPC Series includes a three-year warranty.

- Value priced for economical deployments
- Excellent RF performance
- Fully pre-assembled for “fastest time to tower”
- Compliant to ETSI and FCC standards
- Waveguide and direct mount interface
- Wind ratings 125 mph / minimum operating and 155 mph / survival
- HPC antennas available in 1 ft. (30 cm), 2 ft. (60 cm), 3 ft. (90 cm), 4 ft. (120 cm) options
- RoHS compliant

**Super High Performance and High Performance Series**
RadioWaves HP and SHP Series antennas are certified by CETECOM ICT Services GmbH to ETSI standards. In addition, they comply with FCC and Industry of Canada regulations, while meeting or exceeding EIA-195C and EIA-222E Standards.

- ETSI Class 3 radiation performance
- Exceptional front-to-back ratio
- Provides excellent gain
- Robust pole mounts ensure “set-and-forget” installation
- Simple assembly guarantees “factory-tested” quality
- SHP available in 6 ft. (180 cm) and 8 ft. (240 cm) configurations
- HP available in 1 ft. (30 cm), 2 ft. (60 cm), 3 ft. (90 cm), 4 ft. (120 cm), 6 ft. (180 cm) and 8 ft. (240 cm) diameter options
### Standard Performance Series
The SP Series offers a full line of cost effective standard performance parabolic antennas engineered to deliver reliable radio links. Designed for both unlicensed and licensed band applications, RadioWaves field-proven pre-assembled SP antennas and robust pole-mounts ensure “set-and-forget” installation with minimal post-installation maintenance.

- Fully pre-assembled at the factory
- Excellent performance for a wide range of applications
- Robust pole mounts
- SP antennas available in 1 ft. (30 cm), 2 ft. (60 cm), 3 ft. (90 cm), 4 ft. (120 cm), 6 ft. (180 cm) and 8 ft. (240 cm) configurations

### Sector Antennas
RadioWaves Sector Antennas offer excellent performance in a small aesthetic form factor. Each robust design ensures cost effective deployments backed by a 7-year warranty. RadioWaves offers the “right” technology for Point-to-Multipoint applications through attention to detail and design. Engineered with a careful balance of gain, beamwidth and size, our sector antennas are ideal for applications requiring dense yet unobtrusive wireless deployments.

- Inconspicuous modern design, ideal for public spaces, commercial and enterprise applications
- Superior RF performance including dual polarization (H and V)
- 4 x 4 MIMO future migration
- Narrow form-factor designs allow for ease of zoning approval in urban centers
- Robust construction sustains 155 mph survival wind load
- Rugged compact footprint
- Ease of installation - pole and wall mountable

### Flat Panel Series
Flat Panel antennas are designed to be light in weight, easy to install and align, as well as durable for years of reliable service. All of RadioWaves’ flat panel antennas are designed to be aesthetically pleasing and unobtrusive, providing concealment for many architectural environments.

- Ideal for point-to-point applications where form factor is a concern
- Robust and easy to install mounting system
- Fully pre-assembled at the factory

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RadioWaves engineers, tests and manufactures a complete line of antennas for Point-to-Point and Point-to-Multipoint applications.

**Design Center of Excellence**
RadioWaves U.S. Engineering and Design Center operates three antenna test ranges capable of measuring antenna gain and radiation patterns for frequencies between 1 GHz to 90 GHz and antenna sizes up to 8 ft. in diameter.

**Seven Year Warranty**
Our rugged antennas provide long life cycle, high reliability and are backed by our industry leading warranty of seven years. The fully assembled design assures quality and product performance.

**Made in the USA**
Since 1983 RadioWaves has designed and assembled a wide range of microwave antennas and components in our U.S. facilities to support radio OEMs, small cell providers and carriers.

**Customer Service**
Meeting our customers’ needs has always been paramount to RadioWaves efforts in creating highly satisfied customers. We lead the industry in on-time delivery and continually strive to engineer and manufacture backhaul antenna products that provide our customers with the highest quality solutions at competitive pricing.

**Contact RadioWaves Today**