



## LTE TDD Antennas

Next  
Generation  
Antennas  
Solutions

# TECHNOLOGY & INNOVATION

# GLOBAL LEADER

## Who We Are?

Headquartered in Ireland, Alpha Wireless are the world's leading supplier of LTE TDD antennas. All designs are carefully optimized to meet our customers' stringent demands, and Alpha antennas have been proven in trials to greatly reduce overall network interference giving significant throughput and sector capacity improvements.

With offices and facilities in Europe, US and Asia, Alpha antennas are deployed by most base station vendors and many large network operators. We pride ourselves on being first to market on many new technologies, and in giving unparalleled technical support. And if you can't find the antenna to meet your needs, please give us a call, we'll most likely be able to help.



## Product Features

- Uncompromised RF performance
- All LTE TDD bands: bands 33-44; LTE-U.
- Beamforming options
- Optimized radiation patterns proven to reduce overall network interference.
- Significant link performance gains; up to 8x8 MIMO.
- Single and Multi-band.
- 33°, 65°, 90°, 200° and 360° beamwidths.
- Twin beam antennas for high capacity sites.
- Flexible designs.

# ADVANCED PERFORMANCE SUPERIOR QUALITY

## AltaFlex Tri-Sector Antennas

- All major LTE TDD frequency bands supported including 2300-2700MHz & 3300-3800MHz.
- Good PIM performance.
- Lowest diameter enclosure on the market: 168-330mm.
- Connector access panel.
- Integrated RET.



## Small Cell Antennas

- Uncompromised RF performance in the smallest form factor.
- 2x2 or 4x4 MIMO for improved data throughput.
- Available as 65° and 90° sector's or 200° and 360° OMNI's.
- Can be mounted on a pico radio to reduce box count on a mast.

## Beamforming Antennas

- Deployed across the US in the 2.6GHz band.
- Coverage is optimized by concentrating the power in the area where it is most required.
- Improved SNR with narrow steerable beams across  $\pm 30^\circ$ .
- 3.5GHz version also available.
- Uses four  $\pm 45^\circ$  columns enabling MIMO beamforming



## Macro Cell Antennas

- The choice of major LTE equipment vendors and operators.
- Optimized radiation patterns proven to reduce overall network interference.
- Significant link performance gains with up to 8x8 MIMO.
- Customised solutions for carrier aggregation.
- Single and Multi-Band.

## Contact Information

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