



# Tech Symposium

Serving Hurlburt Field, Eglin AFB, and Tyndall AFB

## ANTENNA OVERVIEW



Above and beyond.<sup>TM</sup>

# History



**1934**

Founded in  
New York City

**1947**

Relocated to  
Sherburne, NY

**1983**

Moved to  
Delhi, Ontario

**2001**

Acquired by  
Wade Antenna  
and relocated to  
Simcoe, Ontario

**2006**

Moved to  
new 50,000 ft.<sup>2</sup>  
manufacturing  
facility in  
Brantford,  
Ontario

# VHF/UHF Dipole Muldipol™ Antennas

- Military
- Civil Aviation
- Shipboard



TACO™  
ANTENNA

Above and beyond.™

[tacoantenna.com](http://tacoantenna.com)

# Muldipol™ Antenna

## Benefits:

- Reduces the amount of towers required
- Operate up to 4 radios at the same time
- Vertical pattern is not impacted (75°)
- Rugged, durable design (MIL-STD 810)
- Proven performance – over 30 years, 10,000's sold
- Light weight, easy to install
- Minimum of 30 dB isolation between elements



# Mobile Towers



TACO  
ANTENNA

Above and beyond.™

[tacoantenna.com](http://tacoantenna.com)

# Broadband VHF/UHF

D2211

- 108-174 MHz and 225-400 MHz
- 1 Connector, 2dBi Gain (+0/-1)

Compatible with URC-300 & PRC-117 radios



TACO  
ANTENNA

Above and beyond.™

[tacoantenna.com](http://tacoantenna.com)

# D2000 Series Multiple Dipole



## Popular Models:

D2212	VHF/VHF	2 connectors/radios
D2213	VHF/UHF	2 connectors/radios
D2214	UHF/UHF	2 connectors/radios



# D2000 Series Sectional Dipoles



## Benefits:

- Transportable
- Compact
- Lightweight
- Carry in buildings/elevators
- Easy storage in vehicles, trailers
- Storage cases, cable harnesses, etc.





# D5000 Series – Civil Aviation Antennas



## Features:

- One antenna radome houses multiple dipoles
- Reduces number of tower sites
- Reduced cost of ownership
- Supplied to the FAA and NAV Canada
- VHF / UHF Frequency
- 30 dB isolation between dipoles - each dipole can operate simultaneously
- Figure “8” pattern (75 degree vertical beam width) maintained on all dipoles



# D5000 Antenna Installations



TACO  
ANTENNA

Above and beyond.™

[tacoantenna.com](http://tacoantenna.com)

# Which Would You Rather Have?

Taco Multi-element Dipole Antennas reduce number of ATC antennas needed by up to 600%.



TACO<sup>TM</sup>  
ANTENNA

Above and beyond.<sup>TM</sup>

[tacoantenna.com](http://tacoantenna.com)

# Helical Specifications



## Features:

- UHF Frequency (225-400, 240-320, 300-520 MHz)
- Rugged, designed for harsh environments
- Circular Polarized (SATCOM)
- Compatible with both MUOS and UFO Satellites
- Mesh ground plane
- Proven performance
- Tripod Mount or Pipe Mount available



# Remote Steerable Pathfinder System



- SystemWare Europe Installation



TACO  
ANTENNA

Above and beyond.™

[tacoantenna.com](http://tacoantenna.com)

# TACO Helical

SystemWare Europe Installation



TACO<sup>TM</sup>  
ANTENNA

Above and beyond.<sup>TM</sup>

[tacoantenna.com](http://tacoantenna.com)

# Model SAT-MP-320



## Benefits:

- Single piece foldable antenna and tripod (7 lbs. / 3.2 kg)
- Compatible with both MUOS and UFO Satellites
- High gain (11 dBic) with 240-400 MHz frequency (no loss of frequency range)
- Very transportable UHF SATCOM for quick deployment (small storage size)
- Canadian and US patent



# Counter Drone



- Patented dual frequency 2.4 & 5.8 GHz circularly polarized design
- Transmits maximum energy in one direction
- Circular polarization is ideal solution for Countering Unmanned Aerial Systems (CUAS)
- Advantages over linearly polarized (LP) antennas
  - Maximum helical signal loss with a drone's LP antenna is only 3 dB at any orientation
  - Signal strength of LP to LP antennas when perpendicular loses 20dB.
  - Connection consistently much stronger.





# Handheld Counter Drone



TACO  
ANTENNA

Above and beyond.™

[tacoantenna.com](http://tacoantenna.com)

# Warranty

**TACO offers 3 Year Warranty on all fixed antennas.**

*“When selecting antennas for installs, I look to TACO first.”*

*“We absolutely trust the quality of TACO antennas.”*

*“We only purchase one UHF antenna type – yours.”*

# Celebrating 86 years of success!



TACO  
ANTENNA

Above and beyond.™

[tacoantenna.com](http://tacoantenna.com)

# Contact Us

**Jeff Kunkle**

*sales@tacoantenna.com*

*Global Business Development*

**direct**

*717.975.0885*

**toll free**

*866.975.4433*

**TACO**<sup>TM</sup>  
ANTENNA

Above and beyond.<sup>TM</sup>

[tacoantenna.com](http://tacoantenna.com)