



# Affordable Precision GNSS Antennas

What is your application? **We can help!**

Precision OEM and Housed: Single, Dual, Triple and Full-Band antennas with optional L-Band support

**Accutenna®**, **Helical**, **VeroStar™**, and **VeraPhase®** Technologies

# Accutenna® Technology

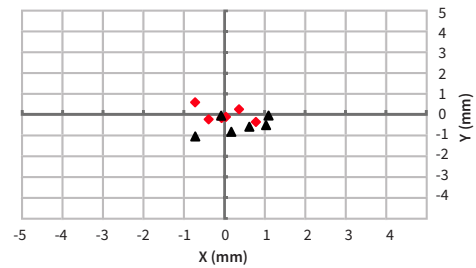
Provides low axial ratio and high multipath signal rejection. Suitable for the most demanding applications

## Features

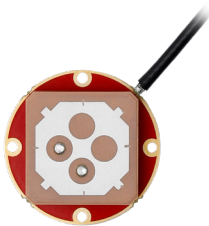
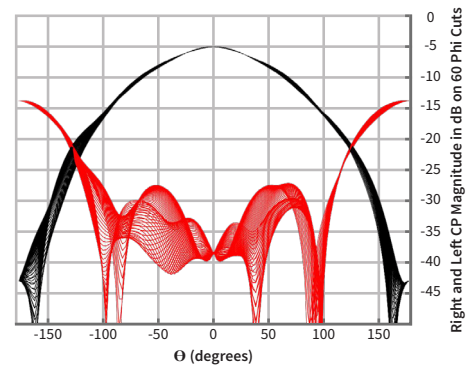
- Lightweight Single, Dual, Triple, and L-Band Corrections
- Very low-current options
- Patented Accutenna® Technology
- Pre-filtering options available
- Antenna customization (tuning, cables, connectors, radomes)
- Short lead times

Learn More: [accutenna.tallysman.com](http://accutenna.tallysman.com)

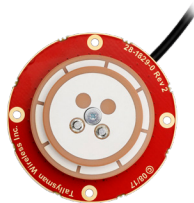
**Tight Phase Centre**



**Great X-Pol Rejection**



**TW1700 Series**  
Embedded Single Band Antennas



**TW1800 Series**  
Embedded Dual Band Antennas



**TW2000 Series**  
Single Band Antennas



**TW3000 Series**  
Single, Dual, and Triple Band Antennas



**TW3000 Series**  
Embedded Single, Dual, and Triple Band Antennas



**TW4000 Series**  
Single Band Antennas



**TW7000 Series**  
Dual and Triple Band Antennas



**TW8000 Series**  
Dual Band Antennas

When precision matters.®

## Helical Technology

Unprecedented performance in a lightweight, military grade IP69K compliant form factor

### Features

- Provides Single, Dual, Triple, and L-Band coverage
- Extremely lightweight (5g (OEM) - 37g)
- Novel Helical element
- Excellent axial ratio
- Low noise amplifier and pre-filter
- Embedded models coming soon



**HC600**

Iridium  
Antenna

**HC871**

Dual Band  
Antenna

**HC975**

Triple Band  
Antenna + L-Band

[Learn More: helical.tallysman.com](http://helical.tallysman.com)

Model	Frequencies	Mounting
HC600	Iridium	Surface Mount / Direct Screw
HC771	L1, G1, E1, B1	Surface Mount / Direct Screw
HC871	L1/L2, G1/G2, E1, B1	Surface Mount / Direct Screw
HC872	L1/L2, G1/G2, E1, B1, L-Band Corrections	Surface Mount / Direct Screw
HC882	L1/L2, G1/G2/G3, E1/E5b, B1/B2, L-Band Corrections	Surface Mount / Direct Screw
HC975	L1/L2/L5, G1/G3, E1/E5a/E5b, B1/B2/B2a, L-Band Corrections	Surface Mount / Direct Screw

## VeroStar™ Technology

Precise, accurate, robust, lightweight survey grade antenna

### Features

- Patent pending innovative Full Band Antenna element
- Models provide full GNSS Band and L-Band support
- Excellent radiating pattern with low roll-off for excellent low elevation tracking
- Tight Phase Centre ( $\pm 2$  mm)
- Excellent axial ratio for improved multipath rejection
- Innovative low-noise amplifier with superior out of band filtering
- Waterproof with IP69K compliance
- Embedded models coming soon



**VeroStar™**

Full Band and L-Band  
Antenna

[Learn More: verostar.tallysman.com](http://verostar.tallysman.com)

Model	Frequencies	Mounting
VSP600L	All Bands, L-Band Corrections	Pole / Pipe
VSP610	L1, G1, E1, B1	Pole / Pipe
VSP620	L1/L2, G1/G2, E1, B1	Pole / Pipe
VSP630	L1/L2/L5, G1/G3, E1/E5a/E5b, B1/B2/B2a	Pole / Pipe
VSP650L	L1/L5, G1, E1/E5a, B1/B2a, L-Band Corrections	Pole / Pipe

## VeraPhase® Technology

### Features

- Patented Full GNSS Bandwidth Antenna
- $\pm 35$ -50dB gain models available
- Extremely tight phase centre variation ( $\pm 1$  mm) and excellent PCV repeatability
- TNC or N connector
- Exceptionally low axial ratio from Zenith to Horizon ( $< 2$ dB) resulting in excellent multipath rejection
- Innovative low noise amplifier and filter to mitigate Ligado and LTE


**VP6000 Series**

VeraPhase® Antennas

Model	Frequencies	Mounting
VP6000	L1/L2/L5, G1/G2/G3, E1/E5a/E5b/E6, B1/B2/B2a/B3, L6, L5, L-Band Corrections	Standard Survey Mount
VP6100	L1/L2/L5, G1/G2/G3, E1/E5a/E5b/E6, B1/B2/B2a/B3, L6, L5	Standard Survey Mount
VP6200	L1/L2, G1/G2/G3, E1/E5b, B1/B2, L-Band Corrections	Standard Survey Mount
VP6300	L1/L2/L5, G1/G2/G3, E1/E5a/E5b, B1/B2	Standard Survey Mount

## VeraChoke® Technology

### Features

- Efficient VeraPhase Antenna element
- 50dB LNA gain
- Three dimensional choke ring to mitigate multipath
- N-Type connector
- Available with or without SCIGN radome
- Extremely tight phase centre variation ( $\pm 0.5$  mm) and excellent PCV repeatability


**VC6050**

VeraChoke® Antenna

Model	Frequencies	Mounting
VC6050	L1/L2/L5, G1/G2/G3, E1/E5a/E5b/E6, B1/B2/B2a/B3, L6, L5, L-Band Corrections	Standard Survey Mount

Learn More: [vera.tallysman.com](http://vera.tallysman.com)

**About Tallysman:** With global headquarters and manufacturing in Ottawa, Canada, Tallysman is a leading manufacturer of high-precision antennas and components for Global Navigation Satellite System (GNSS) applications. Tallysman's mission is to support the needs of a new generation of positioning systems by delivering unprecedented antenna precision at competitive prices. Learn more at [www.tallysman.com](http://www.tallysman.com)

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