



Affordable Precision GNSS Antennas

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

From Precise OEM to Single / Dual / Triple / Full-Band and L-Band Antennas

With Accutenna[®], Helical, VeroStar[®], VeraPhase[®], and VeraChoke[®] Technologies

Accutenna[®] Technology

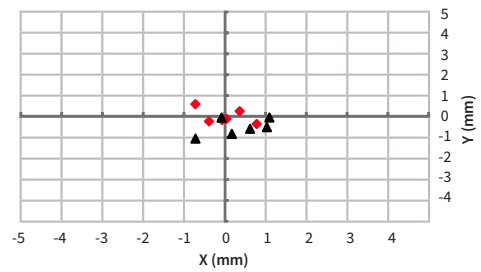
Low axial ratio and high multipath signal rejection – suitable for the most demanding applications with unmatched precision in both size and price

Features

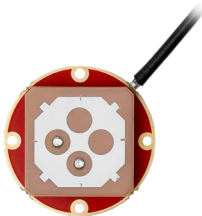
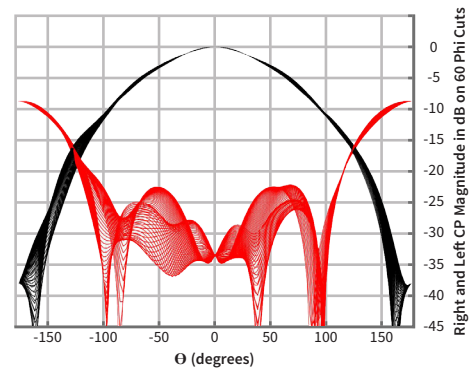
- Lightweight single / dual / triple GNSS band + L-Band corrections
- Very low current options
- Patented Accutenna[®] technology
- Pre and extended filtering options available
- Antenna customization (tuning, cables, connectors, radomes)
- Short lead times

Discover Accutenna[®]: accutenna.tallysman.com

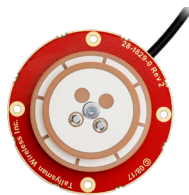
Tight Phase Centre



Great Cross Polarization Rejection



TW1400/TW1700 Series
Embedded Single Band
Antennas



TW1800 Series
Embedded Dual Band
Antennas



TW2000 Series
Embedded Single Band
Antennas



TW3000 Series
Embedded Dual and
Triple Band Antennas



TW2000 Series
Single Band
Antennas



TW3000 Series
Single, Dual, and Triple
Band Antennas



TW4000 Series
Single Band GNSS and
Iridium 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 IP67 compliant form factor



Housed
Helical Antenna



Embedded
Helical Antenna

Features

- Single / dual / triple GNSS + Iridium & L-Band corrections
- Extremely lightweight (Embedded 12g, Housed 42g)
- Novel Helical element with excellent axial ratio
- Low noise amplifier and pre-filter
- Unique mounting ring for embedded models
- Ground Plane not required

Mounting	Model			→	Bands																
	Housed	Embedded			L1	L2	L5	G1	G2	G3	E1	E5a	E5b	E6	B1	B2	B2a	B3	L5	L6	Iridium
Surface Mount / Direct Screw (Housed)	HC600	HC600E																			
	HC610	HC610E																			
	HC771	HC771E		●			●				●				●						●
	HC843	HC843E		●	●		●	●			●				●						●
	HC860	HC860E		●	●		●	●			●				●						●
	HC871	HC871E		●	●		●	●			●				●						●
Embedded / Retaining Ring (Embedded)	HC872	HC872E	→	●	●		●	●			●			●							
	HC882	HC882E	→	●	●		●	●	●		●		●		●	●					
	HC976	HC976E	→	●	●		●	●			●		●	●	●			●		●	
	HC977	HC977E		●	●	●	●	●			●	●	●		●	●	●		●	●	
	HC977XF	HC977XF	→	●	●	●	●	●			●	●	●		●	●	●		●	●	

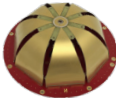
→ L-Band Correction Services Available

VeroStar[®] Technology

Precise, accurate, robust, lightweight survey grade antennas



Housed
VeroStar[®] Antenna



Embedded / Mini
VeroStar[®] Antenna



Surface Mount
VeroStar[®] Antenna

Features

- Best-in-class low elevation angle tracking
- Triple & full GNSS band + L-Band corrections
- Excellent radiating pattern with low roll-off for excellent low elevation tracking
- Geo++ Calibrated
- Tight phase centre (± 2 mm)
- Excellent axial ratio for improved multipath rejection
- Innovative low-noise amplifier with superior out of band filtering
- Waterproof with IP69K compliance

Mounting	Model			→	Bands																
	Housed	Embedded	Mini		L1	L2	L5	G1	G2	G3	E1	E5a	E5b	E6	B1	B2	B2a	B3	L5	L6	Iridium
Pole / Pipe (Housed)	VSP6037L	VSE6028L	VSM6028L	→	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	VSP6037L-MAR				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Direct Screw (Embedded)	VSS6037L			→	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	VSP6337L	VSE6328	VSM6328	→	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	VSS6337			→	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

→ L-Band Correction Services Available

● GPS/QZSS ● GLONASS ● GALILEO ● BEIDOU ● IRNSS/NAVIC ● QZSS ● IRIDIUM

Discover Helical: helical.tallysman.com Discover VeroStar[®]: verostar.tallysman.com

VeraPhase® Technology

Features

- Patented triple & full GNSS band + L-Band corrections
- 35dB and 50dB gain models available
- Extremely tight phase centre variation (± 1 mm) and excellent PCV repeatability
- TNC or N-Type (female) connector
- Exceptionally low axial ratio from zenith to horizon (< 2.0dB) resulting in excellent multipath rejection
- Innovative low noise amplifier and filter to mitigate Ligado and LTE



VP6000 Series
VeraPhase® Antennas

Mounting	Model	↗	Bands																
			L1	L2	L5	G1	G2	G3	E1	E5a	E5b	E6	B1	B2	B2a	B3	L5	L6	Iridium
Standard Survey Mount	VP6000	↗	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	VP6300	↗	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

↗ L-Band Correction Services Available

VeraChoke® Technology

Features

- Full GNSS band + L-Band corrections
- Efficient VeraPhase Antenna element
- Extremely tight phase centre variation (± 0.5 mm) and superior PCV repeatability
- 50dB LNA gain
- Three dimensional choke ring to mitigate multipath
- N-Type (female) connector
- Available with or without SCIGN radome



VC6050
VeraChoke® Antenna

Mounting	Model	↗	Bands																
			L1	L2	L5	G1	G2	G3	E1	E5a	E5b	E6	B1	B2	B2a	B3	L5	L6	Iridium
Standard Survey Mount	VC6050	↗	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	VC6150	↗	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

↗ L-Band Correction Services Available



Discover VeraPhase® and VeraChoke®: 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

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