



TALLYSMAN®

A CALIAN® COMPANY

When precision matters.®

GNSS Antennas Built for



Multi-constellation Precise
Single / Dual / Triple / Full-Band,
L-Band, OEM and Housed Antennas.
Supports u-blox PointPerfect.

What is your application?
We can help!

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

Solutions for high-precision GNSS applications



Paving the way for a data-driven economy

UAV



Precise automated trajectories, fast convergence, accurate geo-tagging

Precision Agriculture



Precise guidance, fast convergence for seeding and herbicides

Automotive



Navigation for AD/ADAS



PointPerfect
GNSS
Augmentation
Service

Heavy Machinery



Machine control, construction and mining environments

Service Robots



Robotic lawnmower
Unmanned service delivery

Specialty Vehicles



Shared micro mobility that meets locality regulations



HC872XF, HC882XF, HC997EXF



VSS6337L



TWA928LXF



VSS6337L



TWA928LXF



TWA928LXF

u-blox GNSS Receiver to Tallysman Antenna Matrix



		u-blox Receiver Model		
Compatible Tallysman Antennas				
ZED-F9H, ZED-F9K, ZED-F9P, ZED-F9R, ZED-F9T	Supports PointPerfect	NEO-M8, MAX-M8, CAN-M8, LEA-M8S, LEA-M8F, LEA-M8F, NEO/LEA-M8T, NEO-M8L, NEO-8Q, NEO-M8P, NEO-M9N, NEO-M8Q-01A, MAX-8	UBX-M9140	ZOE-M8, ZOE-M8B, MIA-M10
Antenna	Mount			
	Through-hole	TW3872XF, TW3882, TW3972XF	TW3742/TW3752, TW3742AJ, TW3712,	
	Magnet/Screw/ Adhesive Tape	TW7872, TW7972, TW8889		
			TW2920, TW2712, TW2643A	
				TW4722
	Screw	HC872XF, HC882XF	HC771	
	Embedded	VSP6337L		
		TW3867XF, TW3882E, TW3887	TW2708	
		TW1889, TW1829	TW1722	
		TWA928LXF (Automotive Grade (AEC))		
		HC882EXF, HC872EXF	HC771E	
		VSE6328L		

Installation & Filtering

Custom Tuning Services and Installation Guides

Custom embedded installations can detune (shift the frequency) the antenna. To optimize antenna performance and assist customers, Tallysman provides an Embedded Antenna Installation Guide that identifies best practices and highlights potential pitfalls. Even if best practices are followed, detuning can still occur in a custom antenna installation. To ensure that the embedded antenna installation provides optimum performance, Tallysman offers customers a custom tuning service. If this optional service is selected, then all subsequently purchased antennas will be custom-tuned to the specific enclosure.

eXtended Filtering (XF)

The radio frequency spectrum has become more congested as new LTE bands are activated and their signals or harmonic frequencies [e.g. 800MHz x 2 = 1600 MHz (GLONASS - G1)] can affect GNSS antennas and receivers.

In North America, planned Ligado signals at 1526-1536 MHz can especially impact GNSS antennas that support space-based L-band (1539 – 1559 MHz) correction services such as u-blox PointPerfect. New LTE signals in Europe [Band 32 (1452 - 1496 MHz)] and Japan [Bands 11 and 21 (1476 - 1511 MHz)] have also been observed to interfere with GNSS signals. In addition, Inmarsat satellite communication (uplink: 1626.5 - 1660.5 MHz) can also affect GNSS signals. The new Tallysman XF antennas have been designed to mitigate out-of-band signals and prevent GNSS antenna saturation. Tallysman's custom XF filtering mitigates all existing signals and new Ligado and LTE signals, enabling the antennas and attached GNSS receivers to perform optimally.

Explore GNSS Precision with Tallysman

Tallysman provides an affordable line of high performance, precision GNSS antennas focused on supporting a broad range of satellite-based positioning, navigation, and data applications. In addition to the VeroStar® family of antennas, here is a list of additional GNSS technologies from the Tallysman Precision Portfolio.



Accutenna® Technology

Outperforms single-feed patch antennas, providing superior multi-path signal rejection thereby providing un-matched precision for its size and price.

accutenna.tallysman.com



Helical Technology

Designed for applications that require high performance and versatility, with an absolute minimum of weight, such as Unmanned Aerial Vehicles.

helical.tallysman.com



VeroStar™ Pole Mount

Designed for high-precision (2mm PCV) land survey rover applications. Full- and triple-band models are available.

vera.tallysman.com



VeroStar™ Surface Mount

Designed for machine-control applications. The surface mount VeroStar has best-in-class low-elevation angle tracking, making it capable of receiving L-Band corrections in challenging environments.

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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