

Aerodynamic Antennas



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For many UAV applications, aerodynamics is a crucial consideration. Tallysman offers a wide range of GNSS antennas specially designed to provide very high performance with a very low profile. The range includes antennas that feature single and composite patch elements and include both the smallest and lightest dual band patch antennas in the World.



Single Band OEM Antenna



Dual Band OEM Antenna



TW8000 Series Housed Antenna



TW4000 Series Housed Antenna

Tallysman patch element antennas feature our Accutenna® technology, which, by virtue of dual feed patch elements, provide a substantially more pure right hand circularly polarized response over the full antenna bandwidth. This is true, even for the smallest of our (patented) antenna products.

Accutenna® products provide enhanced rejection of cross polarized signals, which commonly results from signal reflections (multipath, such as from buildings), which otherwise would have the effect of "blurring" the received signals.

Our antennas also support dual and triple band Real

Time Kinematics (RTK) systems with wider bandwidths and tight Phase Centre Variations (PCVs).

The single, dual, and triple band GNSS versions of Tallysman patch-based antennas feature low loss prefilters for protection against high level interfering signals, such as LTE and other communications systems. In addition, passive bidirectional Iridium antennas for satellite communications are also available.

Also available in Iridium models, the Tallysman aerodynamic antenna portfolio supports the growing number of Iridium applications.



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Housed Antennas

Housed antennas are available in single, dual, and triple band capabilities. The form factors include: magnetic mount, screw attachment, adhesive mount, and two types of through-hole mounts. Tallysman offers the smallest dual band patch-based antennas in the World.

OEM (Embedded) Antennas

With a wide variety of OEM (embedded) antennas, Tallysman can support many aerodynamic-sensive applications. Services to evaluate customer antenna installation configurations are also available, which can be problematic if not considered, and custom tuning to optimize performance and sensitivity once installed in a customer end product.



TW2000 Series



TW7000 Series



TW3000 Series



TW8000 Series



TW4000 Series



TW9000 Series
Coming Soon



Small Compact
Single Band Single Band



Small



Compact Dual/ Triple Band

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Model	L-Band Corrections	Frequency Bands	Туре	Weight
TW1721/TW1722		L1, G1, E1, B1	OEM Patch	18 g
TW2706/TW2708			OEM Patch	35 g
TW4721/TW4722			Housed Patch	50 g
TW2710/TW2712			Housed Patch	110 g
TW3710/TW3712			Housed Patch	110 g
TW2920	X		Housed Patch	100 g
TW9712			Bottom Connector	
TW1829		L1/L2, G1/G2, E1, B1	OEM Patch	37 g
TW8829			Housed Patch	52 g
TW3867			OEM Patch	70 g
TW3872E	X		OEM Patch	185 g
TW3872			Housed Patch	185 g
TW7872			Housed Patch	180 g
TW9829			Bottom Connector	
TW8825		L1/L5, G1, E1/E5a, B1/B2a	Housed Patch	52 g
TW1825			OEM Patch	37 g
TW8825			Housed Patch	52 g
TW7875			Housed Patch	180 g
TW9825			Bottom Connector	
TW9825			Bottom Connector	
TW7876		L1/L6, G1, B1/B3, E6	Housed Patch	180 g
TW1889		L1/L2, G1/G2/G3, E1/E5b, B1/B2	OEM Patch	37 g
TW8889			Housed Patch	52 g
TW3967	X	L1/L2/L5, G1/G2/G3, E1/E5a/E5b, B1/B2/B2a	OEM Patch	70 g
TW3972E	X		OEM Patch	75 g
TW7972	X		Housed Patch	180 g
TW3972	X		Housed Patch	185 g
TW2600		Iridium	Housed Patch	100 g



Contact NavtechGPS for product details. www.NavtechGPS.com +1-703-256-8900 • 800-628-0885 • info@navtechgps.com

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