



Antenna Product Overview

Thank you for reviewing our antenna offerings for Global Navigation Satellite Systems (GNSS) including GLONASS, GPS and Galileo, and for Globalstar, Iridium satcoms.

Our value proposition is:

- Best in class dual feed GNSS patch antennas with wider bandwidth and excellent axial ratio.
- Pre-filtered GPS-L1 antennas, both brick wall filtered and low L-Band filtered.
- Wide band Globalstar and Iridium antennas in three formats
- Strong line of Timing Antennas, 30, 40dB gain, w or w/o prefilter
- Durable, professional housings to grace the end product
 - Metal base through hole mount....
 - Strong attachment Mag mount
- Competitively priced equivalents for many “standard” GNSS formats

Choosing the right GNSS Antenna will provide higher values for C/No and minimize GPS drop-outs and generally improve GNSS accuracy. In this regard, multi-constellation GNSS systems such as GPS L1/GLONASS truly shine. With most major new receiver chip producers now readying GPS L1/GLONASS/Galileo offerings, we expect this to become a standard for new GNSS receivers quite quickly.

Tallysman makes the best-in-class dual feed patch GPS L1 and GPS L1 / GLONASS antennas with typical axial ratios of better than 2dB across the full bandwidth. These are near survey grade antennas, with LNA gain of 28dB minimum, 1dB Noise Figures and excellent output VSWR. This performance translates to lower values for Dilution of Precision (DOP) and thus better accuracy for much of the time.

We also offer a range of highly pre-filtered GPS L1 antennas, with pre-emptive protection against terrestrial L-Band users, such as Lightsquared (1525-1560MHz). These are also particularly well suited to defense applications where high level RF signals can be troublesome.



Our single feed patch antennas include the very economical TW2010 GPS L1 antenna and related products. We also offer an economical GLONASS / GPS L1 antenna based on a large single feed patch. This family of products provides economy combined with highly acceptable performance

Our Timing antenna range are robust fixed mount housings with metal bases and conical radomes. These are available with Low Noise Amplifiers with noise figures 1dB or better, having gains of either 30dB or 40dB. Aggressive pre-filters are also available to protect against future terrestrial L-Band networks. Attachment brackets are available for the fixed mount products.

We offer fully type approved passive dual feed patch antennas for both the Globalstar and Iridium sat-com networks, in magnet mount, fixed mount, and OEM formats.

We also offer fully integrated antenna-receivers in magnet mount, fixed mount, and OEM formats. With operation up to 12V, these are particularly useful for mobile radio applications, and also have either single ended or differential 1pps outputs, depending on the product format.

Our products are made in North America, solid, professional, and provide excellent performance at an economical price point. You can also be confident that the appearance of Tallysman is consistent with their quality, and will in-turn reflect well on the quality of end user equipment.