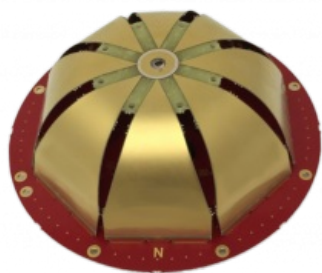


# Tallysman Introduces New Embedded Full-band and Triple-band VeroStar GNSS Antennas



Tallysman Wireless has announced the addition of four new embedded VeroStar products to its line of antennas. According to the Canada-based antenna manufacturer, the compact and light embedded VeroStar models offer key features not available in other embedded antennas on the market.

The VSE6028, VSE6028L, VSE6328, and VSE6328L embedded VeroStar antennas are designed and crafted for high-accuracy positioning. With a significantly low roll-off from zenith to the horizon, VeroStar antennas provide the best-in-class tracking of GNSS and L-band correction signals at low elevation angles. Also, the optimized axial ratio at all elevation angles results in excellent multipath rejection, thus enabling accurate and precise code and phase tracking. Additionally, VeroStar antennas feature a robust pre-

filter and high-IP3 LNA architecture, minimizing de-sensing from high-level out-of-band signals, including 700 MHz LTE, while still providing a noise figure of only 1.8dB.

## High-precision applications

The light (80g) and compact (106mm in diameter and 40mm in height) wide-band spherical antenna element enables the VeroStar to deliver a  $\pm 2$ mm phase centre variation (PCV), making it ideal for high-precision applications, such as autonomous vehicle navigation (land, sea, and air), smart survey devices, and maritime positioning.

The [VSE6028](#) supports the full GNSS spectrum (the [VSE6028L](#) includes support for L-band correction services), while the VSE6328 supports the GPS/QZSS-L1/L2/L5, GLONASS-G1/G2/G3, Galileo-E1/E5a/E5b, BeiDou-B1/B2/B2a, and NavIC-L5 signals and frequency bands (the VSE6328L includes support for L-band correction services).

The features of the VeroStar antennas deliver high signal-to-noise ratio (SNR), high accuracy, and high precision in the most challenging environments.