Tallysman Introduces Two Premium VeroStar Marine Precision GNSS Antennas

Tallysman Wireless has announced two new advanced VeroStar marine antennas to add to its industry-leading line of GNSS products. The VSP6037L-MAR supports the full GNSS spectrum and the VSP6337L-MAR supports GPS/QZSS-L1/L2/L5, GLONASS-G1/G2/G3, Galileo-E1/E5a/E5b, BeiDou-B1/B2/B2a and NavIC-L5 signals. Both antennas support L-band correction signals.

Marine vessels often host both Iridium (1616–1626.5MHz) and Inmarsat (uplink: 1626.5–1660.5MHz) satellite communication antennas that transmit and receive signals. The VSP6037L-MAR and VSP6337L-MAR VeroStar marine antennas strongly attenuate interference from both signal sources, providing 75dB to 85dB of attenuation over Iridium and 85 dB to 95 dB over Inmarsat uplink, enabling clean GNSS signal reception and precise positioning.

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

High-precision Marine Applications

VeroStar antennas provide excellent low elevation angle tracking of the full GNSS spectrum and L-band correction signals. The wideband spherical antenna element enables VeroStar antennas to deliver ±2mm phase centre variation (PCV), making them ideal for all high-precision marine, positioning and machine control applications.

The VeroStar marine antennas are housed in a rugged and compact enclosure that supports 1” pipe thread or 5/8”-11 TPI mounting and provides a TNC antenna connector. In addition, the antennas have also obtained the stringent IEC 60945 and IEC 61108 marine certifications, making the VSP6037L-MAR and VSP6337L-MAR VeroStar marine antennas perfect choices for the most challenging marine environments.