



Press Release

Tallysman™ Introduces the TW5340 Smart Antenna

Ottawa, Canada – November 6, 2014 – Tallysman is pleased to introduce the TW5340 smart antenna. This antenna pairs Tallysman's *Accutenna*™ technology antenna with STMicroelectronics' Teseo II receiver. This combination makes this smart antenna the most accurate smart antenna for use in every environment, including urban canyons.

The TW5340 is a multi-constellation GNSS Smart Antenna which provides simultaneous GPS/GLONASS/SBAS reception. It is designed for use in professional grade applications such as precision timing, network synchronization, low current applications, and tracking/positioning applications.

To illustrate the advantages of this technology coupling, simultaneous recordings of vehicle position using two smart antennas, one with and one without Tallysman's *Accutenna*™ technology, in an area of downtown Ottawa Canada, notorious for high levels of multi-path signals, was conducted. Results show how the high multi-path signal rejection capabilities of Tallysman's *Accutenna*™ technology greatly improves accuracy.

Single Feed Smart Antenna



TW5340 Smart Antenna



The TW5340 supports ST Microelectronics Autonomous A-GPS which accelerates GPS positioning by predicting satellite ephemeris data based on previous observations. This results in extremely fast Time-To-First-Fix.

The TW5340 can be configured to output up to three NMEA 0183 message lists with navigation update rates up to 10Hz. RS232, CMOS and USB interfaces are available with input voltage options of 3.3V, 5.0V and 12V.

The TW5340 Standby mode feature provides for very low current consumption (<100uA) and is particularly useful in battery operated applications, like trailer tracking.



A standard one pulse-per-second 1PPS synchronized to UTC time is available as a single ended output or as a differential output at RS422 levels.

Tallysman's Windows™ based Configurator enables simple configuration of parameters such as baud rates, output message rates, constellation, tracking parameters, 1PPS configuration and Standby mode parameters.

The TW5340 is housed in an IP67 housing and is REACH and ROHS compliant.

A non-magnetic version is also available as Part Number TW5341.



About Tallysman

Tallysman is a leading manufacturer of high performance, high quality products for a wide range of Global Navigation Satellite Systems (GNSS) applications. Tallysman's mission is to provide GNSS antennas which meet the needs of a new generation of positioning systems providing unprecedented accuracy at ever decreasing prices.. (www.tallysman.com)

Tallysman was founded in 2009 and is headquartered in Ottawa, Canada

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