

Next Generation of GPS Receivers

NovAtel Inc. has introduced OEMV, its next generation of GPS receivers. The OEMV family of receivers supports modernised GPS frequencies and signals, and incorporates NovAtel's new Vision Correlator, a technology that virtually eliminates multipath errors. The OEMV receivers incorporate new high-fidelity Radio Frequency (RF) designs and a highly integrated System-on-Chip digital ASIC. The OEMV receivers feature a fully integrated Satellite-Based Augmentation System (SBAS), Omnistar and Canada-wide Differential GPS (CDGPS); faster processing speed and improved memory for expanded Application Programming Interface (API); 100-Hz measurements; and lower power consumption.

The first single-, dual-, and triple-frequency models will be available to customers at the end of first quarter 2006. Three different form factors include: the OEMV-1 with L1; the OEMV-2 with L1, L2, L2C; and the OEMV-3 with L1, L2, L2C and L5 (initial release hardware capable only). The OEMV-2 and OEMV-3 models have been designed as drop-in replacements for existing OEM4 engines. All the OEMV receivers are designed to meet the European Union's new Restriction of Hazardous Substances (RoHS) directive, which comes into effect in mid-2006.

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