

NovAtel Announces New VEXXIS Family of GNSS Antennas



At ION GNSS+ 2016, NovAtel has introduced its new VEXXIS series of Global Navigation Satellite System (GNSS) antennas. The VEXXIS series includes two lines of antennas, the new GNSS-800 series and the GNSS-500 series introduced earlier this year. The series offers the latest advancements in GNSS antenna technology for multi-constellation and multi-frequency GNSS applications.

The VEXXIS GNSS-800 is designed with the aim to provide exceptional tracking performance previously unachievable in a small form factor. According to NovAtel, the patented multi-point feeding network and radiation pattern optimisation technology delivers stable phase centre and enhanced multipath rejection as well as exceptional low elevation

satellite tracking while achieving high peak zenith gain. This new technology enables the antenna to track the maximum number of satellites in any environment for an enhanced positioning solution. The GNSS-800 family of antennas are the toughest high precision antennas NovAtel has designed to date, the company stated.

The [VEXXIS GNSS-500 series of antennas](#) were designed with a low profile, aerodynamic enclosure, making it very suitable for ground vehicles in applications such as agriculture, machine control and mobile mapping. Featuring the same multi-point feeding network as the GNSS-800 family, GNSS-500 antennas offer multipath rejection and stable phase centre. Signal reception is unaffected by the rotation of the antenna or satellite elevation, simplifying placement and installation. Vehicle mounting is easy with the antennas' magnetic or screw mounting options.