



## For immediate release

ANUE SYSTEMS
sponsors the
University of
Texas' FASTRAC
team in the design
and launch of their
nanosatellite



ANUE SYSTEMS facilitates board design for competition-winning satellite

Austin, TX – November 22, 2005 – The University of Texas' Formation Autonomy Spacecraft with Thrust, Relnav, Attitude and Crosslink (FASTRAC) nanosatellite team has won the University Nanosatellite-3 Competition. The NASA and US Air Force sponsored contest selected the University of Texas at Austin's student built satellite to be launched into space from a field of satellites designed and built by students at 12 other universities.

As the UN-3 winner, the FASTRAC program is now preparing to launch their satellite and ANUE SYSTEMS, technology leader in next generation network testing technologies is "on-board" as a sponsor. ANUE SYSTEMS is proud to help the FASTRAC team in developing the first-ever UT-Austin built satellite to be launched into orbit.

The FASTRAC nanosatellite mission will demonstrate that reduced launch, hardware, and integration costs are a present day reality, by launching a satellite that weighs less than 30 kilograms (about 70 pounds) and cost less than \$100,000. The FASTRAC is actually a pair of satellites designed to demonstrate new technologies that enable spacecraft to work together in groups. It is believed that once these new technologies are mature, clusters of smaller satellites will outperform the larger and more expensive individual satellites that are used for many tasks today.

ANUE SYSTEMS will demonstrate the features and capabilities of their Network Emulators for satellite communications at the Satellite 2006 Conference and Exposition, in Washington, D.C., at the Washington Convention Center from February 6-9 2006. Stop by booth 744 for a live demo and to learn how ANUE SYSTEMS' Network Emulators can improve your satellite functionality.

## About ANUE SYSTEMS, INC.

As a leading provider of innovative network delay emulators, ANUE SYSTEMS' Network Emulators excel at satellite emulation. With ANUE Emulators, you can model delay, jitter and errors dynamically, as they would occur on a real satellite network.

If you're involved in designing, building or testing any of the following, ANUE Network Emulators can help by providing satellite emulation capabilities:

- Free-space optics (FSO) a line-of-sight technology that uses lasers to provide optical bandwidth connections that can send and receive voice, video, and data information on invisible beams of light.
- Defense shield satellite communications are the backbone of the military's missile defense system, originally known as "Star Wars."



- "Internet in the Sky" using satellite links as the backbone for high-capacity network centric global communications systems.
- Global Area Networking extending broadband services, multimedia, storage, transaction processing, and ecommerce applications to remote locations.
- Broadband GEO/Broadband LEO solutions either satellite to ground or satellite to satellite communications.

## Key features of ANUE Emulators that are beneficial for testing satellite transmissions:

- Doppler Shift Emulation Automatically increase and/or decrease the delay time injected by the ANUE Emulator in increments as small as one part per million (ppm) to simulate the movement of satellites in relation to one another.
- Multiple protocol ANUE's products work with SONET/SDH, Gigabit Ethernet, 10 Gigabit Ethernet, Fibre Channel, and 10 Gbps FEC rates.
- Real time full line rate handling of data up to 10Gbps, regardless of frame size.
- Enormous amount of delay With "Delay Doubler," "Delay Tripler," and even "Delay Quadrupler" options, ANUE Satellite Emulators enable up to
  - > 50,000 km (31,000 miles) of delay at 2.5 Gbps rates (250 ms)
  - $\rightarrow$  300,000 km (186,000 miles) at one Gbps (1.5 sec), and
  - → 200,000 km (124,000 miles) at 10 Gbps (1 sec).

Headquartered in Austin Texas, ANUE SYSTEMS has built a team of world-class engineers with expertise in satellite communications testing. For more information, visit ANUE's website at www.anuesystems.com/satellite\_communication.htm , email info@anuesystems.com , or call +1-512-527-0453.