

Overview

The VSAT Division in Nashita is proud to provide its offer for renowned and reliable VSAT services. As our customers' satisfaction is our first priority, we have put together what amounts to be the strongest features that a VSAT company can bring to its clients, in professional, low-cost and easy to maintain solutions:

- Top of the line technology in our equipment (Patented Tachyon Technology)
- Near dedicated bandwidth through special Monthly Volume Guarantee (MVG)
- Renowned and most reliable World ISPs as our service providers
- Telstar 12 as satellite with strong coverage on Iraq
- Three levels of support and maintenance
- Continuous 365x24x7 monitoring by ISPs' based NOC
- On-site maintenance and remote live monitoring in Iraq
- Terrestrial-like speed and performance
- Guaranteed QoS (Quality of Service) for voice VOIP
- Advanced IP Telephony solutions with competitive per/min charges
- Centralized Security Solutions for Star and Mesh topologies, firewalls and VPN
- Virus Protection, Deep Inspection and other complete turn-key solutions
- Cost efficient solutions



Tachyon

Tachyon is a key player and a technology leader in the VSAT industry. With hundreds of sites in Iraq, many of Tachyon's clients are former iDirect users.

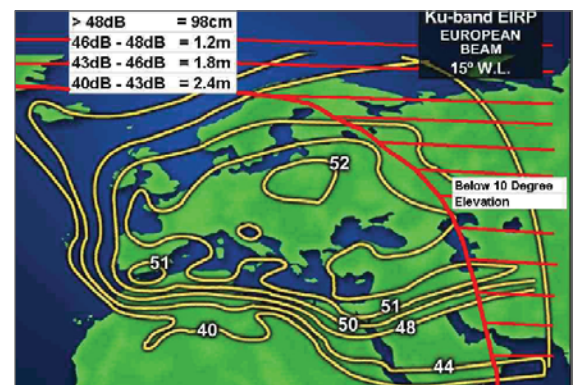
Tachyon is committed to ongoing global access research and development for innovative next generation direct satellite network solutions. The industry's leading satellite, Internet, and data networking pioneers created Tachyon's high-speed, reliable, and secure broadband satellite network, Tachyon.Net™, from the ground up. Tachyon.Net was built specifically to deliver TCP/IP compatible applications for dynamic commercial enterprise and government networks.

Tachyon's Network Operations Center (NOC) provides continuous monitoring and support for Tachyon's network. Using sophisticated monitoring and diagnostic tools, NOC automated processes can predict and prevent communications issues before they affect subscribers. NOC engineers and support personnel monitor and maintain the network around-the-clock.

Tachyon Technology and Satellites' Coverage

Unlike traditional satellite networks, Tachyon's system was designed from the ground up specifically to deliver TCP/IP connectivity for enterprise networks. From the outset Tachyon recognized that simple adaptations to satellite systems originally optimized for telephone service would not provide the reliable high-speed connectivity needed for data networks.

Instead, significant engineering investment was made to deliver both high-speed data rates over satellite transport and maintain TCP/IP standards compliance to enable plug and play compatibility with terrestrial networks. The result is a system with T1/E1 transmission speeds that takes no more effort to integrate into a corporate network than a typical terrestrial landline. Tachyon's success with Fortune 500 companies, large multinational enterprises, and government agencies shows their success in meeting these design goals.



This footprint map shows Tachyon's European satellite coverage and the required antenna sizes. Tachyon also offers satellite coverage on other satellites and therefore servicing North America, Mexico and parts of Central America.

Tachyon's VSAT Equipment

Tachyon's VSAT equipment includes a small satellite antenna (1.2 meter), radio, and the IPTransport (Indoor Unit) that functions like a TCP/IP standards-compliant router.

The IPTransport Unit is a PC enclosure containing a power supply, Pentium-based motherboard, flash drive, Ethernet card, and Tachyon's satellite modem card. All components, other than the satellite modem card, are commercial off-the-shelf products so there's no need to purchase or configure custom equipment.

The antenna can be mounted on a roof, wall, or on the ground, depending on your site characteristics, and includes the Azimuth-Elevation positioner, feed support beam and rods, and a radio unit to transmit and receive data.

The radio includes an Upconverter Power Amplifier (BUC), Ortho-Mode Transducer, Low-Noise Block Downconverter (LNB), and transmit receive filter (TRF).

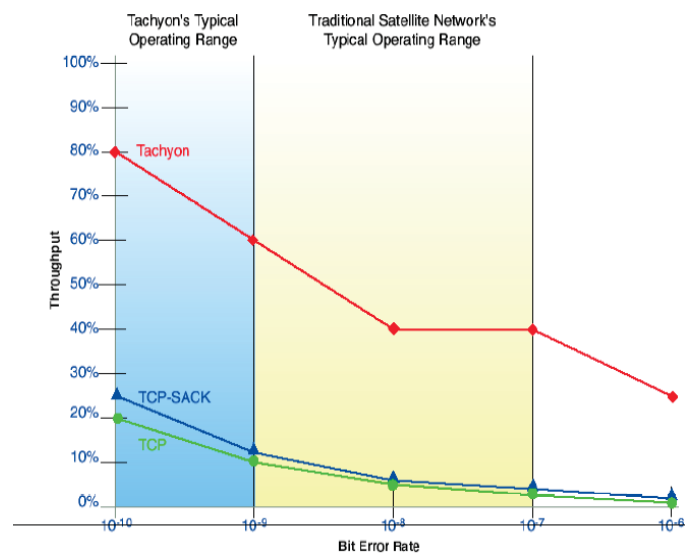
The antenna is connected to the IPTransport Unit by two shielded RF coaxial cables, both of which carry signal and power.



Bandwidth Efficiency on Tachyon's Network

The result of the technical innovations at Tachyon is shown in Figure below, Tachyon's Performance Advantage, comparing throughput on Tachyon's broadband satellite infrastructure with standard TCP over satellite (labeled TCP) and TCP with selective acknowledgement (TCP-SACK). Actual operating data show that Tachyon's network typically delivers BERs in the 10-10 range. At this point, Tachyon's system delivers transmission speeds more than three times faster than TCP-SACK and four times faster than standard TCP.

In addition, this graph shows Tachyon's typical operating range versus the typical operating range of traditional satellite equipment. Under the same environmental conditions Tachyon's system typically operates at 10-10 BER versus a range of 10-9 to 10-7 for traditional satellite systems.



What our clients say:*

«Can I pass on my sincere thanks for the work of your team who have successfully installed the new system for our internet connection. You'll be well aware of just how important the internet connection is to our business... and indeed how that relates to the future stability of the country...»

«...I have tried many ISP's. My conclusions have ended where I only use Nashita to provide all my sites with internet.

I have found no other company that would stick to the promise of service, quality of internet and assistance when things go wrong that Nashita does give...

Nashita's Vsat systems are reliable and they work. The bandwidth is fast and the equipment needs very little maintenance. In conclusion I would recommend that you make use of Nashita exclusively as I do.»

«During my one-year deployment I've worked with seven different vendors providing satellite services, and Nashita, by far, been the best company I've come across. When you take into consideration their technical solutions accompanied with solid pricing you'll be hard pressed to find a better company. Whenever we've encountered problems or needed technical advice they've been very gracious in working solutions and giving us options. They're willingness to work together and listen to our issues has made them more than a service provider, they're a partner in helping us complete our mission.»

«...Your teams have shown absolute commitment in completing the task in difficult circumstances and it is fair to say they have gone beyond our expectations. We have all been impressed by their attitude, determination and energy, an example to us all...»

«The purpose of this memorandum is to offer our enthusiastic recommendation of Nashita. They have recently completed the installation of four internet cafes supporting our outposts. The soldiers of ... have on numerous occasions asked me to thank the company for their excellent support of them.»

* References are omitted due to security situation and are available upon request.