



Agile Milcoms

Press Contact: Victoria Battison

Tel: 408-779-4476

battison@agilecoms.com

FOR IMMEDIATE RELEASE

Agile Milcoms Showing Advanced New Flat Panel MST Ultra-light Ku-Band Man-pack Antenna with Large Dish Performance, COTM-300 Sat Comms-On-The-Move System, and MST-100M Mobile Antennas at AFCEA/USNI West 2013

More Mobile, Man-pack Antenna options for warfighters in theater, on-the-move with small form factors, high data rate, rugged systems which provide broadband connectivity at lower costs

January 29, 2013 – AFCEA/USNI West 2012 – San Diego, CA – Agile Milcoms will show their newest MST-series man-pack antenna, the MST Ultra-light flat panel Ku-band antenna, and two of their most popular antenna systems at AFCEA/USNI West 2013 in their booth #2206. They will show:

1. New MST Ultra-light Antennae, including either an X-Band, Ku-Band or Ka-Band flat panel ultra-light Flyaway Manpack antenna with a CAP (Computer Assisted Pointing device) controller which allows the warfighter to locate the desired spacecraft in a matter of minutes.
2. ACS-COTM-300 advanced Satellite Comms-On-The-Move system, a rugged high-bandwidth Ku-Band mobile antenna system which supports applications requiring a low profile.
3. MST-100M-HD features a fully motorized, Tri-Band platform with auto-acquisition which locates and peaks on the desired satellite. This allows a warfighter to focus on other tasks while the system locates the network which typically takes between 2-5 minutes. Supports X, Ku and Ka bands.

About MST Ultra-light Ku-Band Antenna

ACS is expanding its line of MST ultra-light Man-packable Terminals with this ultra-small (10" x 32") X-Band or Ku-band CTS technology, (Continuous Transverse Stub), Flat Panel Antenna which reduces adjacent satellite interference. The Ka-Band version measures only 10" x 15" in size and is one of the smallest manpack terminals available today with the capability of terminals at more than twice the physical size. This Planar Array antenna Technology provides "large dish performance" and is optimized for maximum efficiency of E_b/N_o Performance which requires no spreading unlike other larger antennas.



MST Ultra-light Ku-Band Antenna



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The MST Ultra-light features:

- 35 lbs (16 kg)
- The narrow aperture beamwidth is equivalent to a 1 meter 1M dish, without the bulk of a larger antenna.
- 70%+ efficiency versus 50-60% of 1M dish
- No spillover or tapering required
- Discreet sidelobes axes that can be slightly rotated off-axis to further reduce any ASI
- Requires no reflector panels, simplifying installation and improving performance

About COTM-300

The ACS-COTM-300 satellite system is an affordable, low-profile (11cm / 4"), high data rate (up to 10 Mbps 2-way) highly efficient and rugged Ku-Band Satellite Comms-On-The-Move system which provides continuous broadband connectivity. The System is based on Variable Inclination Continuous Transverse Stub (VICTS) array technology developed by ThinkKom Solutions. VICTS



ACS-COTM-300

provides superior side lobe performance opposed to other on-the-move-array technology which typically requires signal spreading to meet Adjacent Satellite Interference (ASI) requirements.

Elimination of the necessity of spreading allows the ACS-COTM-300 to be more easily adapted to a broader range of satellites on a global basis.

- Tracks at speeds up to 300°/second which enables the system to perform continuous "on-the-move"

- tracking of satellite signals with minimal interruptions.
- Provides 3x to 10x higher spectral (MB/\$) efficiency than competing OTM products resulting in a huge reduction in bandwidth costs over other systems requiring Spread Spectrum bandwidth and higher G/T transponders
- Configurable with any satellite modem including the rugged ACS-e850MPR (powered by iDirect with full TRANSEC FIPS 140-2 security which is optimized to achieve high-performance and quick response time for professional, enterprise and government applications for voice, video, and data in iDirect Star or Mesh topology configurations and ISCP networks) or the rugged ACS- DVB-RCS modem which are intended for outdoor applications in the most demanding of environments. Both modems have been designed to interface directly with the ACS-COTM-300 or the SQD (Super Quick Deploy) antenna systems or the CAP controllers for all the non-motorized ACS-MST-series antennae.



About MST-100M-HD Man-Pack Satellite Terminal

The MST-100M Man-Pack Satellite Tri-Band Terminal is a portable X, Ku, or Ka communications system consisting of a .75m satellite dish, tripod, and modem which are conveniently carried in a rugged case (measuring 21" x 35") for easy, remote use. The system can be configured to accommodate various up and down bandwidths. With Advanced DVB-RCS/S2 the system is capable of uplinking up to 6MB of usable bandwidth.

The MST-100 is available in two models: MST-100-*HD* (non-motorized for less weight, with CAP (Computer Assisted Pointing)), and MST-100M-*HD* (motorized, fully auto-acquiring).

Both models feature:

- Available with Advanced DVB-RCS/S2, TDMA, FTDMA, DAMA or SCPC Topology
- Dual Frequency DVB-RCS remote terminals
- Manual point with CAP or Auto-Acquire/deployed systems
- Remote systems for Vehicles, Man-Pack, Fly-Away, and Fixed Base Operations



MST-100 Manpack in-theater

About ThinKom Solutions Inc.

ThinKom Solutions is a leading provider of innovative, highly-affordable compact antenna solutions for aeronautical, surface, ground-mobile and man-portable applications. Our products enable broadened near-term availability of high data rate Commercial Ku, XTAR, GBS, WGS, AEHF and other (B)LOS and Terrestrial services for the commercial, civil, military, special ops and intelligence communities.

About Agile Milcoms

Agile Milcoms is a small business valued added systems integrator specializing in satellite and other communication technologies and a division of Agile Communication Systems, LLC. The company provides beginning-to-end solutions for Military or Government communications projects as well as 1st responders and Commercial clients. With over 30+ years of systems design and implementation experience, ACS is able to quickly deliver communications systems in the field. Agile Milcoms will design a complete system, manufacture and integrate all components, install, train, and support, In-theater or domestically.

For further information, please visit www.agilecoms.com or contact Victoria Battison at battison@agilecoms.com or +1-408-779-4476.