PHASOR
THE FUTURE OF MOBILE BROADBAND™

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Phasor successfully completes broadband satellite transmit tests from a moving platform

Flat panel, electronically steered antenna exceeds power and performance targets during milestone product tests

Washington D.C. 27 September 2016: Phasor has taken a critical step forward in the productization of its groundbreaking flat panel, electronically steered antenna (ESA) system. The company has demonstrated the transmission of live HD video over the Intelsat 903 satellite from its test site in Essex, UK.

The Phasor team has spent several months carrying out detailed beam pattern measurements on the system. This has taken place in the company's near-field and far-field test ranges, ensuring that the dynamic beam forming adheres to the regulatory requirements for live transmissions. Following the lab tests, the 8-module Tx (transmit) system (equivalent in aperture area to a 67cm parabolic dish) was deployed to Phasor's outdoor test site.

Maritime IT services integrator, OmniAccess is partnering with Phasor to bring the electronically steered antenna to the super yacht mobile broadband market, and provided its ground station and satellite capacity for testing purposes. The link was successfully established and has been running flawlessly for over 2 weeks.

The 8-module system achieved an impressive uplink performance of 2Mbps under the test plan, which involved transmissions from a moving platform demanding rapid beam scanning. The Phasor antenna was able to transmit a full HD video stream using efficient MODCODs (Modulation and Coding techniques), avoiding the need for any form of inefficient spread-spectrum techniques and maintained perfect pointing with no ASI (Adjacent Satellite Interference) throughout.

Based on the achieved 903 performance, and the known performance of uplink-efficient HTS satellites, this small eight-module Phasor array would be able to close return links of well over 15 Mbps. An aperture equivalent to a 1m dish (16 panel system), would achieve a Tx throughput of over 60 Mbps.

“The results of these critical tests have affirmed our robust and game-changing technology” commented David Helfgott, CEO Phasor. “We are extremely positive about the future and look forward to taking this high bandwidth connectivity to our target mobile broadband markets.”

Phasor’s very low profile antenna provides high-bandwidth connectivity in a more reliable and robust way. The antenna is solid-state, with no moving parts so satellite signals are tracked electronically. Its low-profile, sleek look is ideal for the yacht market, eliminating the need for visually unappealing radomes spread around the vessel. The terminal can be scaled to achieve performances better than a 2.4m parabolic dish, making it very well suited to meet the demanding communications requirements of the super-yacht market.

To find out more about this revolutionary antenna system, please view our video:http://phasorsolutions.com/featured-content

About Phasor, Inc.

Phasor Inc. is a leading developer of high throughput, enterprise-grade, modular phased array antennas, headquartered in Washington DC, with a technology development subsidiary in the UK. Phasor’s electronically steerable antennas (ESAs) are based on patented innovations in dynamic beam forming technologies and system architecture. Phasor’s mission is to enable high-speedbroadband communications while in-flight, at sea or travelling over land.

For more information please visit www.phasorsolutions.com

About OmniAccess

Headquartered in the “yachting capital of the Mediterranean,” Palma de Mallorca, OmniAccess is specialized maritime IT services integrator. The company offers a portfolio of cutting-edge IT and connectivity services and products to over 200 vessels, among which many of the world’s most impressive yachts. OmniAccess is privately owned and operates an advanced global proprietary iDirect® VSAT network on over 22 satellite-beams in both C-band and Ku-band, uplinked from 5 Teleport-locations in Spain, Germany, Chile, Australia and the USA.

For more information please visit www.omniaccess.com.