

October 6, 2017

SKY Perfect JSAT Corporation

**For the first time in Asia, SKY Perfect JSAT and Kymeta
Conduct a successful satellite communication deployment
to deliver new satellite connectivity options for moving vehicles**

Tokyo, Japan and Redmond, WA – October 6, 2017: SKY Perfect JSAT Corporation (Head Office: Minato-ku, Tokyo; Representative Director, President & Chief Executive Officer: Shinji Takada; SJC) announces that SJC and Kymeta (Head Office: Redmond WA; founder, President & Chief Executive Officer Nathan Kundtz) have conducted a successful satellite communication deployment in Japan using a Kymeta™ mTenna^{u7} antenna subsystem module (ASM). Kymeta mTenna™ technology flat panel antennas are metamaterials-based, electronically-steered, and diminish the space required by traditional large parabolic satellite antennas. Kymeta mTenna technology delivers satellite connectivity to moving vehicles.

The deployment SJC and Kymeta conducted used a Kymeta mTenna^{u7} flat panel antenna and the JCSAT-5A SJC satellite. The electronic beamforming flat panel antenna is embedded in the roof of a Toyota Land Cruiser and successfully acquired the J5A satellite automatically. The Kymeta solution and SJC satellite enabled high-throughput satellite communication while driving. This allowed an HD video transmission and a data link from the car.

Deployment overview

Date: 2017 October 6

Place: From Toyoko Tokyo, (60 km/h) to SJC Yokohama teleport

Connection Speed: Approximately 3 Mbps

Satellite: JCSAT-5A

Application: HD transmission, Video Chat

Kymeta flat panel technology can be mounted on moving vehicles, such as cars, trains, airplanes, and ships to perform bi-directional communication by connecting to satellites, including SJC GEO satellites. The solution is not only for daily use, but also in the aftermath of a disaster, when terrestrial lines often become unavailable. The Kymeta mTenna^{u7} will allow data broadcast to multiple cars and first responders for disaster response and supports business continuity. With its automatic satellite acquisition capability and thin, small form factor, first responders will be able to build an easy-to-use earth station to setup communications across multiple organizations. IoT applications are another new satellite communications use case Kymeta technology enables. The partnership will support SJC's plans to continue to develop new areas of satellite business globally.

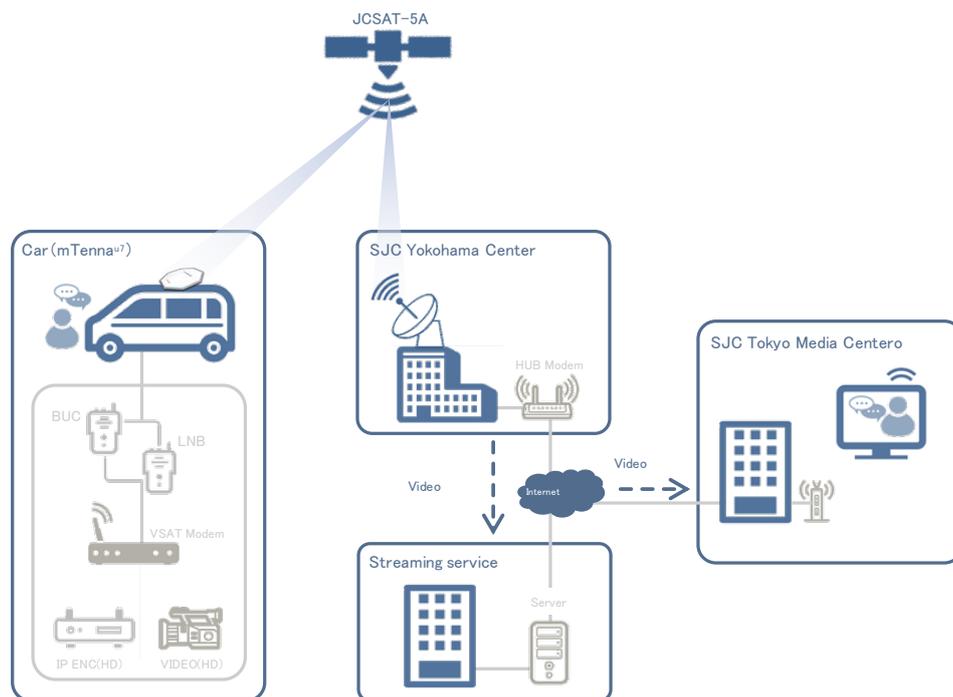
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News Release



SJC plans to begin deploying Kymeta solutions in 2018. SJC will perform a demonstration to customers, which includes an exhibit at the Security and Safety Expo starting on 11th October at Tokyo Big Sight International Exhibition Center, and TU-Automotive Japan 2017 starting at 17th October at The Westin Tokyo.

<< Diagram of the Demo >>



<< Photo >>



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News Release



<< mTenna^{u70} Spec >>

Temperature range	-25°C to +55°C (operational)
ASM dimensions	L82.3 cm x W 82.3 cm x D 7.1 cm
Weight	16.4 kg (excludes mount and cables)

About SKY Perfect JSAT

SKY Perfect JSAT is a leader in the covering fields of broadcasting and communications. It is Asia's largest satellite operator with a fleet of 17 satellites, and Japan's only provider of both multi-channel pay TV broadcasting and satellite communications services. SKY Perfect JSAT delivers a broad range of entertainment through the SKY Perfect TV! Platform, the most extensive in Japan with a total of 3 million subscribers. In addition, SKY Perfect JSAT's satellite communications services, which cover Japan and the rest of Asia, as well as Russia, Middle East, Hawaii, and North America, play a vital role in supporting safety, security and convenience for society as a whole. For more information, please visit www.sptvjsat.com and www.jsat.net

About Kymeta

What's the missing link to connecting billions of people to high-speed mobile access? Antennas. And Kymeta offers the world's only commercially-viable electronically-scanning satellite antennas and terminals. Kymeta antennas and terminals deliver high-throughput communications for land, sea, and air, making mobile connectivity as available as a view of the sky. Without Kymeta mTenna™ technology, connecting and staying connected to all those new satellites while on the move will be difficult, if not impossible. If it moves, Kymeta will keep it connected. Anywhere. For more information, visit kymetacorp.com.