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## **Eutelsat and Space Systems Loral test potential of Extremely High Frequencies (EHF) on EUTELSAT 65 West A as a blueprint for future broadband systems**

*Artistic rendering of EUTELSAT 65 West A  
Image courtesy of Space Systems Loral*

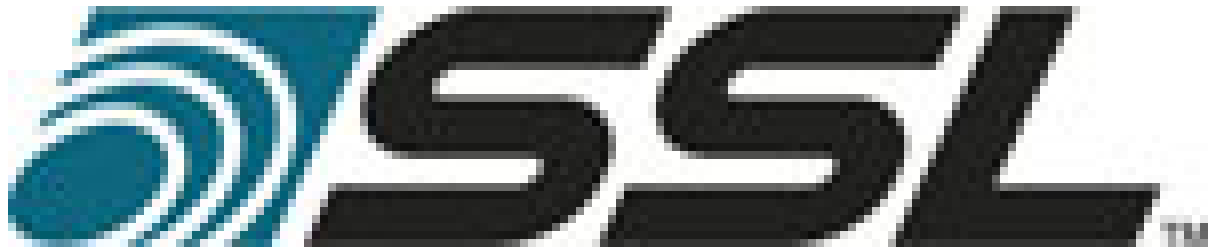
**Palo Alto, Calif, and Paris, 2 May 2016** – Eutelsat Communications (NYSE Euronext Paris: ETL) and Space Systems Loral (SSL) have successfully carried out transmissions in Extremely High Frequencies (EHF) using an experimental payload flown into space on the EUTELSAT 65 West A satellite.

The two companies are analysing the potential of the Q/V band (40-50 GHz) as an enabler of future Terabit satellite broadband programmes. The data assembled will help steer the design of adaptive techniques and hub architectures that will shape the blueprint of future broadband communications systems.

Extremely High Frequencies stand to enhance the performance of the next generation of High Throughput Satellite programmes. By offloading backhaul links between a satellite and its hubs from the Ka-band to the Q/V band, significantly more bandwidth can be made available for users and the number of hubs can be reduced, helping drive down cost per bit.

As one of the first commercial operators to test EHF communications, Eutelsat can gain advanced insight into the conditions and timetable for adopting enabling technologies that enhance the efficiency and cost-effectiveness of future High Throughput Satellites.

For SSL, the Q/V band demonstration is a step forward on its roadmap for implementing new technologies that will support next generation telecommunication solutions.



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## About SSL

Space Systems Loral ([SSL](#)) is a leading provider of commercial satellites with broad expertise to support satellite operators and innovative space related missions. The company designs and manufactures spacecraft for services such as direct-to-home television, video content distribution, broadband Internet, mobile communications, and Earth observation. As a Silicon Valley innovator for more than 50 years, SSL's advanced product line also includes state-of-the-art small satellites, and sophisticated robotics and automation solutions for remote operations. For more information, visit [www.sslmda.com](http://www.sslmda.com).

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## About Eutelsat Communications

Established in 1977, Eutelsat Communications (Euronext Paris: ETL, ISIN code: FR0010221234) is one of the world's leading and most experienced operators of communications satellites. The company provides capacity on 40 satellites to clients that include broadcasters and broadcasting associations,

pay-TV operators, video, data and Internet service providers, enterprises and government agencies.

Eutelsat's satellites provide ubiquitous coverage of Europe, the Middle East, Africa, Asia-Pacific and the Americas, enabling video, data, broadband and government communications to be established irrespective of a user's location.

Headquartered in Paris, with offices and teleports around the globe, Eutelsat represents a workforce of 1,000 men and women from 37 countries who are experts in their fields and work with clients to deliver the highest quality of service.

For more about Eutelsat please visit [www.eutelsat.com](http://www.eutelsat.com)

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