
ERICSSON AND TELEFÓNICA DEMONSTRATE LIVE DELIVERY OF LTE- U

- Over-the-air demonstration in Telefónica's network uses Ericsson indoor small cell, RBS 6402 pico cell
- Ericsson announces enhancements to commercial LTE-Unlicensed (LTE-U) offering
- LTE-U enables operators to utilize unlicensed 5 GHz spectrum in combination with licensed LTE spectrum

Ericsson (NASDAQ: ERIC) and Telefónica, a global telecommunications operator, have demonstrated live, over-the-air delivery of LTE-U through Telefónica's network.

The demonstration used the Ericsson RBS 6402 – a high-performance indoor pico cell solution offering three standards (LTE, WCDMA and Wi-Fi), 10 frequency bands and up to 300 Mbps LTE carrier aggregation.

LTE-U is a commercially available Ericsson Networks Software capability that enables operators to utilize unlicensed 5 GHz spectrum in combination with their licensed LTE spectrum. As a result, operators can increase download speeds in indoor environments, improve application coverage and raise the quality of their subscribers' mobile data experiences.

Ericsson is also announcing the implementation of a range of enhancements to the Ericsson Networks Software LTE-U offering. These enhancements include:

- Improved LTE-U performance and efficiency
- Reduced LTE-U transmission duration in line with 3GPP Rel.-13 LAA specifications
- A smooth transition to migrate to 3GPP Rel-13 License Assisted Access (LAA) through software upgrades for the Ericsson RBS 6402 providing:
 - Listen before talk (LBT) for LTE-U without any impact on deployed devices
 - Full co-existence between LTE-U and Rel-13 LAA devices on the same LAA carrier

This will allow operators across the globe to leverage unlicensed 5 GHz spectrum for improved peak rates and capacity even before Rel-13 LAA becomes available, in places where national regulations allow the use pre-Rel-13 LAA standards.

PRESS RELEASE

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Angel Blazquez, Director of Radio and Core in Telefonica Spain, says: “This demonstration proves that multiple technologies will co-exist for best use of all spectrum and to support all deployment scenarios, widening the LTE ecosystem using the aggregation with licensed spectrum to provide the best performance experience.”

Eric Parsons, Head of Mobile Broadband, 4G/5G Radio Access, Ericsson, says: “Ericsson’s pioneering demonstration with Telefónica, combined with the enhancements to our industry-leading indoor radio portfolio, represent a milestone in the development of LTE-U.

“With global data traffic growing exponentially, spectrum has become one of the world’s most valuable resources. By enabling the use of unlicensed 5 GHz spectrum to boost peak data rates and capacity, LTE-U helps operators extract maximum value from their spectrum investments while bringing high-quality experiences to mobile broadband users everywhere.”

NOTES TO EDITORS

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Ericsson is the driving force behind the Networked Society – a world leader in communications technology and services. Our long-term relationships with every major telecom operator in the world allow people, business and society to fulfill their potential and create a more sustainable future.

Our services, software and infrastructure – especially in mobility, broadband and the cloud – are enabling the telecom industry and other sectors to do better business, increase efficiency, improve the user experience and capture new opportunities.

With approximately 115,000 professionals and customers in 180 countries, we combine global scale with technology and services leadership. We support networks that connect more than 2.5 billion subscribers. Forty percent of the world’s mobile traffic is carried over Ericsson networks. And our investments in research and development ensure that our solutions – and our customers – stay in front.

Founded in 1876, Ericsson has its headquarters in Stockholm, Sweden. Net sales in 2015 were SEK 246.9 billion (USD 29.4 billion). Ericsson is listed on NASDAQ OMX stock exchange in Stockholm and the NASDAQ in New York.

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