

## Telefónica Taps Comsearch As It Seeks To Optimize Wireless Network Performance

HICKORY, N.C.--(BUSINESS WIRE)-- Global telecommunications operator [Telefónica](#) has chosen [Comsearch](#), an industry leader in wireless spectrum planning and analysis, to help in creating the best performing wireless networks through highly optimized microwave backhaul systems.

Telefonica will use the [iQ.link@XG](#) microwave backhaul planning tool from Comsearch, a [CommScope](#) company, to maximize investments in its wireless backhaul networks. iQ.linkXG provides engineers with the right tools to design highly reliable networks, while making the most efficient use of available radio spectrum, a limited but critical resource in wireless networks. With comprehensive engineering algorithms and accurate, robust database management, planners can optimize the network using the smallest antennas at the lowest heights and with the lowest transmit power possible.

"Telefónica always chooses best-in-class solutions for its networks around the world, ensuring that our customers enjoy the best service levels possible," said Juan Manuel Caro, director of Operations & OSS, Telefónica S.A. "With microwave networks getting more complex, tools like iQ.linkXG are mandatory for maximizing network resources and performance."

Every operator is challenged by an ever-increasing demand for capacity and the need to utilize limited spectrum resources. [Backhaul](#)—where user traffic is routed from a cell site to the main network backbone—is an often underappreciated, yet vital, portion of the network that can make a huge difference in the performance of a network. [Microwave antennas](#) are the primary means of providing wireless backhaul. The iQ.linkXG software solution from Comsearch enables building a comprehensive database of microwave links to limit interference in congested areas and maximize spectrum use.

The software tool provides comprehensive support for modern radio technology such as [adaptive modulation](#), helping operators achieve maximum throughput during clear sky conditions, while maintaining a robust, high-priority voice channel during periods of fading. iQ.linkXG helps planners avoid the high cost of over-engineering and correcting for the mistakes that can result from the use of inferior or improper planning tools.

"CommScope is thrilled to expand its long-time relationship with Telefónica by offering this software solution to Telefónica's offices worldwide," said Ben Cardwell, senior vice president, Global Wireless Sales, CommScope. "Network design and optimization are so critical these days to ensuring that backhaul networks perform at the maximum level for supporting high speed communications."

Now deployed in more than 300,000 microwave links worldwide, the [iQ.link](#) software solution has been fully modernized for the next generation of microwave backhaul planning.

Since 1977, Comsearch has provided innovative spectrum management and wireless engineering solutions to the global market for fixed, mobile and broadband wireless applications. Its experienced engineers, software products and information databases address the specific challenges of designing wireless networks while identifying, analyzing and resolving radio frequency interference for wireless spectrum users worldwide.

[Register for a video demonstration of iQ.linkXG.](#)

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### About Telefónica

Telefónica is one of the largest telecommunications companies in the world in terms of market capitalisation and number of customers. With its best in class mobile, fixed and broadband networks, and innovative portfolio of digital solutions, Telefónica is transforming itself into a 'Digital Telco', a company that will be even better placed to meet the needs of its customers and capture new revenue growth.

The company has a significant presence in 24 countries and a customer base that amounts almost 316 million accesses around the world. Telefónica has a strong presence in Spain, Europe and Latin America, where the company focuses an important part of its growth strategy.

Telefónica is a 100% listed company, with more than 1.5 million direct shareholders. Its share capital currently comprises 4.551.024.586 ordinary shares traded on the Spanish Stock Market (Madrid, Barcelona, Bilbao and Valencia) and on those in London, New York, Lima, and Buenos Aires.

### **About CommScope**

CommScope ([www.commscope.com](http://www.commscope.com), NASDAQ: COMM) has played a role in virtually all the world's best communication networks. We create the infrastructure that connects people and technologies through every evolution. Our portfolio of end-to-end solutions includes critical infrastructure our customers need to build high-performing wired and wireless networks. As much as technology changes, our goal remains the same: to help our customers create, innovate, design, and build faster and better. We'll never stop connecting and evolving networks for the business of life at home, at work, and on the go.

This press release includes forward-looking statements that are based on information currently available to management, management's beliefs, as well as on a number of assumptions concerning future events. Forward-looking statements are not a guarantee of performance and are subject to a number of uncertainties and other factors, which could cause the actual results to differ materially from those currently expected. In providing forward-looking statements, the company does not intend, and is not undertaking any obligation or duty, to update these statements as a result of new information, future events or otherwise.

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