

Quintel press release

Tier-1 Operator Deploys New Network featuring Quintel Spatial Diversity *and* Independent Tilt Optimization for Improved QoS

MOUNTAIN VIEW, Calif. – December 3, 2009 – [Quintel®](#), has successfully deployed its network efficient antenna solutions in a Tier 1 operator network, uniquely providing both spatial diversity and independent tilt of two air interface technologies on a single pair of cross-pole antennas. Quintel offers the only antenna solutions that enable global carriers to add services and technologies with separate tilt control while continuing to maintain spatial diversity. Spatial diversity is a configuration of two antennas that are physically spaced (i.e., spatially diverse) to combat signal fading and improve signal quality for wireless phones. This is especially significant in suburban and rural areas where simple polar diversity does not address “deep fades.”

The Quintel Solution

Quintel’s patented [QTilt](#) technology enables two independent remote electrical tilts within one standard-sized, completely passive antenna. Many wireless operators utilize two physical antennas per sector in their cell sites in order to achieve spatial diversity. However, when deploying a new technology in the same frequency band, operators often lose the QoS enabled by space diversity, e.g., using 2 cross-polar antennas, one for the existing and one for the new technology. Quintel’s independent tilt enables independent optimization of each technology while still maintaining spatial diversity in order to maximize network capacity, coverage, and quality. An example application of the Quintel solution is when wireless operators deploy 3G with independent tilt, without degrading 2G due to loss of spatial diversity. Spatial diversity in certain environments can offer 1-3dB gain and prevent deep fades.

“The challenge for wireless network operators is to balance coverage, capacity and costs to gain maximum revenue from their network,” said Steve Obsitnik, Quintel’s chairman and CEO. Quintel provides the only antenna solution that enables carriers to have spatial diversity and independent tilt, resulting in maximum QoS for the lowest cost. This is yet another example of our ‘no compromises’ antenna solutions for wireless operators.”

About Quintel

Quintel is an innovative leader in wireless network antenna technology development and manufacturing solutions. The company’s products enable global wireless operators to independently deploy and optimize multiple air interfaces or services on a single standard antenna platform. Quintel is the only antenna maker whose products can increase a wireless network’s capacity, and the number of services, without increasing the number of antennas or size. Our core technologies originated in the United Kingdom’s Ministry of Defence, and are now deployed throughout the world. Quintel is headquartered in Mountain View, California and Bicester, UK with additional offices throughout North America, Europe and Asia. More information about Quintel is available at www.quintelsolutions.com.

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