



**FOR IMMEDIATE RELEASE**

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Improve in-building signal with Wilson's 1800--1900 MHz PCS Yagi Antenna

**High-gain, directional antenna improves PCS signals for cell phone and laptop data card users in homes, offices, buildings and warehouses where weak signal is a problem**

**St. George, UT - 2007** – Wilson Electronics, a leading manufacturer of cellular amplifiers and antennas, announces its 1800-1900 MHz PCS Yagi antenna. Wilson's slim-profile antenna increases signal strength for PCS cell phone and cellular data card users by 15 decibels and are compatible with the full line of Wilson Smart Technology™ amplifiers. The slim-profile 1800--1900 MHz PCS Yagi antenna improves signal quality for cellular phones and data cards in signal shadowed environments such as steel, concrete and brick buildings. The improved signal increase allows users to connect and hold calls in remote areas where dead spots previously occurred.

"Our goal was to design a 1800--1900 MHz PCS antenna that is small, lightweight, easy to point and provides exceptional gain," said Alan Van Buren, Wilson electrical engineer and antenna designer. "We have successfully balanced a number of new design features. Using a light weight, durable material with a slim profile, makes for an excellent antenna," Van Buren said. "A smaller antenna inherently will have less wind loading and will accumulate less ice and snow than a larger Yagi or a panel antenna."

Wilson's compact, directional antenna is designed for use on the outside of buildings and will increase signal strength by 15 decibels (dBi) in the 1800--1900 MHz PCS band. The 1800--1900 MHz PCS band is used heavily by T-Mobile, Sprint and other carriers for voice and data services. Used in combination with a Wilson signal amplifier, the 1800--1900 MHz PCS Yagi antenna extends voice and data signal range and improves signal quality as well as increases the data communication rates needed for the latest 3G high-speed data technologies. With a tripod, Wilson's Yagi antennas can also be used as a portable option for emergency communications.

The Wilson 1800--1900 MHz PCS Yagi is 43 centimeters long, weighs 87 grams and is made from a single piece of a special 1.905 millimeters thick architectural aluminum alloy. It presents less than 120 square centimeters of surface area to the wind and weather. The 9-element antenna's -3 dB horizontal beamwidth is 40 degrees and the -3 dB vertical beamwidth is 36 degrees. Impedance is rated at 50 ohms and the antenna can handle a maximum of 25 watts of power. The 1800--1900 MHz PCS Yagi is tuned for best performance in the 1800-1900 MHz band and produces a vertical standing wave ratio of less than 1.7. The hardware included with the antenna allows it to be mounted on a pole that has an outside diameter of up to 50 millimeters. For more information about Wilson's new products, or product samples for review, including their portable communications options, visit them at the CTIA Wireless 2007, Booth #5563 in the West Building, Hall D-1 (near the CTIA Wireless Building).

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**About Wilson Electronics Inc.**

Located in St. George, Utah, Wilson Electronics, Inc. has been a leader in the wireless communications industry for nearly 40 years. With expertise in RF antenna and amplifier research and development, the experienced Wilson engineering team uses a state-of-the-art testing laboratory, including an anechoic chamber and network analyzers, to fine tune antenna designs and performance. For amplifiers, Wilson uses double electrically insulated RF enclosures and cell site simulators for compliance testing. Manufactured in the USA, all Wilson products are designed and tested to the highest quality standards possible. For more information, please call (800) 204-4104, email [info@wilsonelectronics.com](mailto:info@wilsonelectronics.com) or visit [www.wilsonelectronics.com](http://www.wilsonelectronics.com).