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November 22, 2010

## VIA ELECTRONIC FILING

Marlene H. Dortch, Secretary  
Federal Communications Commission  
443 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

Re: Petitions Regarding the Use of Signal Boosters and Other Signal  
Amplification Techniques Used with Wireless Services  
WT Docket No. 10-4

Dear Ms. Dortch:

This letter is written on behalf of Wilson Electronics, Inc. ("Wilson") to confirm that its cellular signal boosters are used extensively by federal, state and local government public safety organizations. Most recently, the Yavapai County (Arizona) Sheriff's Office ("YCSO") installed Wilson signal boosters in 120 patrol vehicles to enable deputies to communicate via voice (cellular phone) and data (cellular wireless broadband) with their communications center and the public throughout a rural county that covers 8,100 square miles.

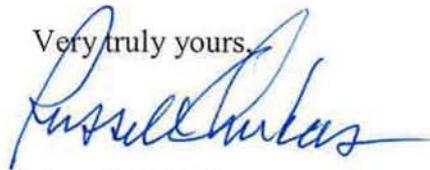
I have attached a press release that describes how the YCSO deployed Wilson cellular signal boosters to upgrade its mobile data communications capabilities. Also attached is the statement of Lt. Brian Hunt, YCSO's Technical Services Bureau Commander, in support of the continued use of non-interfering signal boosters in aid of public safety communications.

Wilson urges the Commission to take no action that would deny consumers and public safety organizations access to signal boosters that do not harm cellular networks.

Should any questions arise with respect to the foregoing, please direct them to the undersigned.

Marlene H. Dortch  
November 22, 2010  
Page 2

Very truly yours,

A handwritten signature in blue ink, appearing to read "Russell D. Lukas". The signature is fluid and cursive, with a long horizontal stroke at the end.

Russell D. Lukas

cc: Ruth Milkman  
Michael McKenzie  
Roger Noel  
Joyce Jones  
Thomas Derenge

**FOR IMMEDIATE RELEASE**

**Wilson Electronics Cellular Signal Boosters Help Arizona Deputies Respond Faster**

*Yavapai County Sheriff's Office reduces down-time by enabling deputies to access critical data while patrolling in remote areas*

**St. George, Utah – Oct. 26, 2010** – The Yavapai County (Arizona) Sheriff's Office (YCSO) has upgraded data communications capabilities for more than 120 rural patrol vehicles by installing systems made by Wilson Electronics, manufacturer of North America's top-selling line of cellular signal boosters.

The Wilson signal boosters enable deputies to use on-board computers and cellular modems to access the department's computer network and search for needed information or file reports directly from their patrol vehicles, even in remote areas of the county.

"Under the direction of Sheriff Steve Waugh, YCSO has been committed providing the latest mobile data technology to its deputies and the Wilson signal boosters have been a critical component in allowing this process to move forward," according to Dwight D'Evelyn, YCSO Media/Crime Prevention Coordinator.

While in-vehicle computers and cellular modems are standard equipment for many law enforcement agencies across the U.S., making the department's Mobile Data Computing Project (MDCP) work in Yavapai County was a challenge.

The county covers 8,100 square miles, an area larger than several U.S. states, lying between suburban Phoenix and the South Rim of the Grand Canyon. Topography includes Sonoran desert and mountains rising nearly 8,000 feet.

Before the MDCP was implemented, deputies took handwritten notes during investigations and then drove to the nearest substation, often 80 or 100 miles away, to log into the computer system, according to Lt. Brian Hunt, Technical Services Bureau commander for the Sheriff's Office.

"If we need to look something up online, now our people have the resources of the office in their vehicles," Hunt said. "This has cut down on 'windshield time' (driving) and allowed more time for investigations and other law enforcement activity."

As the department researched the feasibility of implementing the MCDP, field testing confirmed that the cellular signal in many areas of the county was too weak to allow in-vehicle modems to reliably connect with the department's computer system, Hunt said.

To solve that problem the department installed Wilson boosters and antennas to detect and amplify faint cellular signals. The payoff has been clear and immediate.

"We had a recent search and rescue operation in an area where the searching units had no cellular coverage according to their handheld devices," Hunt said. "But with the air-cards

in our vehicles, responding deputies had service through the Wilson booster and were able to instant message and stay in contact with the communications center.”

The department also experienced another unexpected benefit.

“We’re realizing that this project has reduced deputies’ response times,” Hunt said. “I was hearing in a community meeting people raving about how quickly our deputies are able to respond to calls. Deputies assigned to an area now have immediate access to the computer system, so they can stay closer to where they need to be.”

**About Wilson Electronics, Inc.**

Wilson Electronics, Inc., a leader in the wireless communications industry for more than 40 years, designs and manufactures a wide variety of cell phone signal boosters, antennas and related components that significantly improve cellular communication in mobile, indoor, and machine-to-machine (M2M) applications. All Wilson products are engineered, assembled and tested in the company's U.S.-based headquarters. Wilson boosters fully comply with FCC regulations for cellular devices and are FCC type accepted and Industry Canada certificated. Wilson Electronics has developed and patented a variety of technologies for protecting cell sites by preventing network interference. For more information, visit [www.wilsonelectronics.com](http://www.wilsonelectronics.com).

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**MEDIA CONTACTS**

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## **Yavapai County Sheriff's Office**

I am the supervisory lieutenant of the Yavapai County Sheriff's Office (AZ) Technical Services Bureau; we are a rural law enforcement agency whose overall patrol area is greater than 8,000 square miles.

Situated in central Arizona, our county presents numerous geographical and topographical challenges due to the harsh landscape and vast elevation changes. We utilize cellular amplifiers manufactured by Wilson Electronics to aid in public safety communications. The Wilson products enable us to communicate via voice (cellular phone) and data (cellular wireless broadband) to our Communications Center and our communities served. There are numerous situations where connectivity simply doesn't exist without the amplifiers.

Wilson's products are well made, safe and effective. Containing oscillation and overload protection as well as automatic gain control, the Wilson products are made in a manner that addresses the concerns typically voiced by wireless carriers regarding such products.

Please consider permitting the continued production of these and similar products by competitive companies; legitimate companies will likely welcome additional regulations concerning oscillation and overload protection as well as automatic gain control that should alleviate the concerns of the carriers. Those concerns are likely based upon previous bad experiences with inexpensive and poorly produced amplifiers made by substandard companies in an unregulated manner.

Lt. Brian Hunt  
Technical Services Bureau Commander  
Yavapai County Sheriff's Office

