Bernafon’s Improved Adaptive Noise Reduction Plus

Bern (September 30, 2013) – Background noise is a common problem for hearing instrument users. Listening to speech in noisy environments can be an even greater problem. It can be frustrating and tiring for people with a hearing impairment, and the background noise can affect their ability to understand speech. Bernafon’s Adaptive Noise Reduction (ANR) Plus is a newer, faster, highly precise system for reducing background noise without disrupting speech cues.

ANR Plus is a state-of-the-art noise reduction algorithm. With accurate measurement and analysis of the signal-to-noise ratio, and the speed required to follow the rapid changes of the signal, important speech information is preserved while noise at all input levels is reduced. Because of the speed of ANR Plus, it is possible to attenuate noise even during pauses in ongoing speech. The result is a comfortable yet precise listening experience – a benefit for your customers.

Proof that ANR Plus Works
A new measure is now being more widely used to provide evidence of this benefit for your customers. The Acceptable Noise Level (ANL) test has been used in various studies to show that when noise reduction is applied, hearing-impaired listeners can accept higher levels of background noise yet still be comfortable and able to understand speech. The results of in-house ANL tests with Bernafon’s ANR Plus show just that – hearing-impaired listeners could tolerate 2 dB more of noise and still understand the speech. This finding was statistically significant and correlates with other ANL test results.

Good News for Hearing Aid Users
In general, improvements to a hearing instrument’s performance in noise have the potential to increase customer satisfaction. In particular, Bernafon can show that ANR Plus increases comfort and reduces listening effort, while at the same time, it preserves speech understanding. Less fine-tuning may also be needed to achieve better performance in noise. That’s good news for your customers.

ANR Plus is an important component of Bernafon’s Audio Efficiency™ technology and is available in the Acriva and Carista hearing instrument families.
PRESS RELEASE – ANR PLUS PR FLASH

Bernafon AG, Bern, Switzerland

Caption: Bernafon’s Carista hearing instrument family

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The complete press documentation with product pictures and the Bernafon logo is available online for download:
http://www.bernafon.com/press

For more information, refer to the following publications available in our Download Center at http://www.bernafon.com

- Topics in Amplification: ANR Plus – An Improved Noise Reduction System

Bernafon AG, Bern, Switzerland
Bernafon: Swiss hearing systems technology

Since 1946, we have been passionate about developing quality hearing systems that enable people with hearing difficulties to enjoy authentic listening experiences. With Swiss Engineering, precision technology, and our commitment to individual service, we strive to exceed our customers’ expectations. Our aim is to provide extra value to our partners every day. Bernafon representatives and employees in over 70 countries fulfill our vision to help people with impaired hearing communicate again without limitations.