



# REXTON

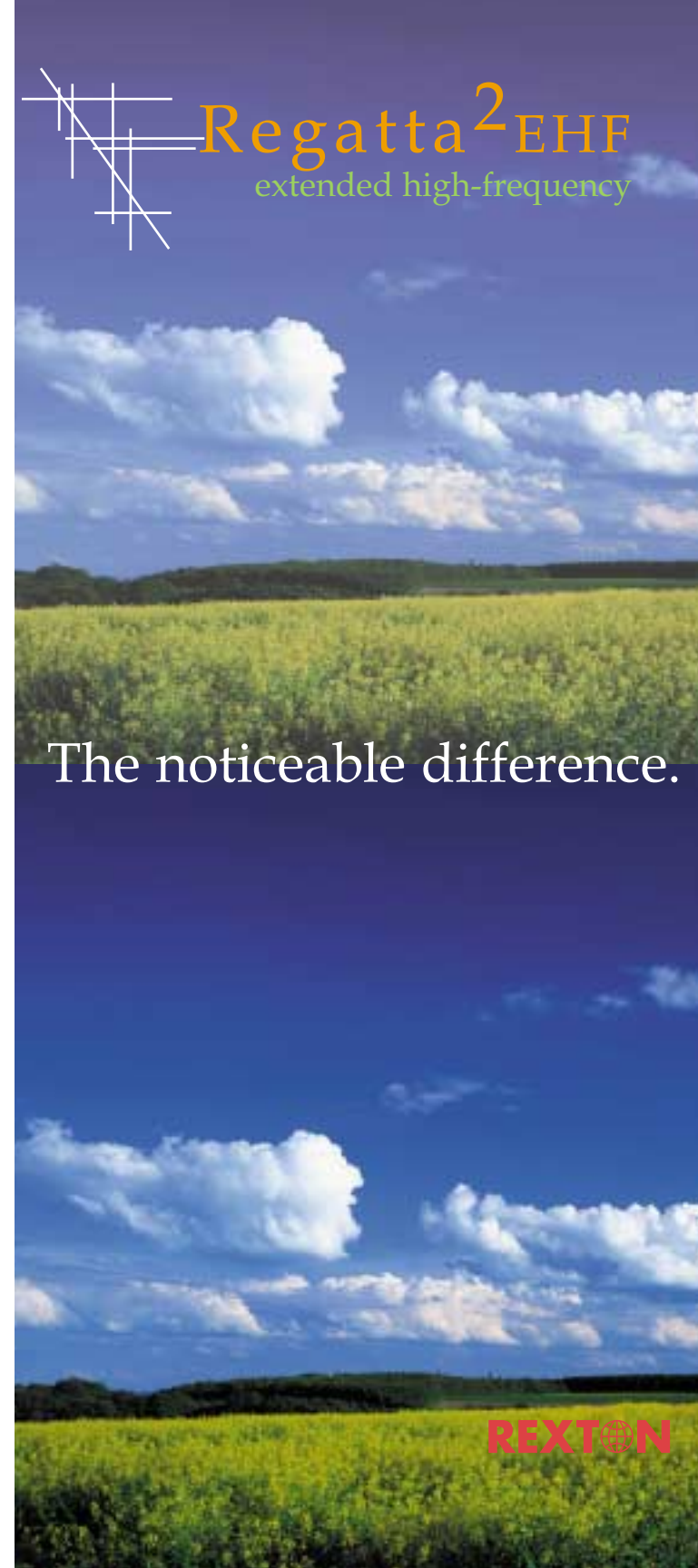
In May of 1999, The National Council on the Aging (NCOA) released its findings on the effects of untreated hearing loss in older populations. The results confirm the positive effect hearing aids have on one's quality of life. The survey of 2,300 hearing impaired individuals age 50 and older concluded that people who wear hearing aids experience a better quality of life than those who do not wear hearing aids.\*

For nearly five decades, Rexton has partnered with hearing health professionals to provide you with innovative, intelligent solutions for improved hearing.

Contact your hearing health professional to learn more about the impact Regatta<sup>2</sup> EHF digital hearing instruments can have on your quality of life.

\*Seniors Research Group, "The Consequences Of Untreated Hearing Loss," May 1999.

Your Hearing Health Professional:



The noticeable difference.

Decades ago, the consumer electronics industry was buzzing about a technology that had the ability to capture a broader spectrum of the frequency range, especially high frequencies. What has come to be known as HiFi technology has allowed for the reproduction a noticeably clear and natural reproduction of sound.

Now, more than 30 years later, Rexton is the first hearing aid manufacturer in the world to develop a hearing aid that overcomes the limitation of traditional hearing technology by increasing the overall frequency range beyond 8Khz, enhancing the fine detail of sound not fully realized by today's hearing aids. Regatta<sup>2</sup> EHF (Extended High Frequency) is a one-of-a-kind technology that provides the finely tuned human ear with the full detail and richness of sound.

Instantly transformed from an exceptional digital instrument into a multi-channel audio device with concert hall quality sound, Regatta<sup>2</sup> EHF has been designed for the most discriminating user who demands the best sound and speech quality possible.

*"Music is better with Regatta<sup>2</sup> EHF: clearer, pleasant, enjoyable. I can distinctly identify the jazz broom." - M. Blome*

# capture

Prolonged exposure to loud noise and aging are the two most common causes of high-frequency sensorineural hearing loss.

Traditional hearing aid fitting strategies help to make sounds more audible in the areas where hearing loss is detected. The Regatta<sup>2</sup> EHF further enhances this high-frequency area, providing additional amplification in this critical region where there is a great amount of speech information.

Many clinical studies have reported the benefits of high frequency amplification for individuals that have a hearing loss in the high frequency range. The findings of these studies concluded that most individuals with a hearing loss that does not exceed 60 dB in the high frequency range could achieve improvement of speech recognition with the addition of high frequency amplification.

Rexton has conducted a similar study comparing the Regatta<sup>2</sup> and the Regatta<sup>2</sup> EHF utilizing individuals with mild to moderate, symmetrical hearing loss. The following was concluded:

## Speech Perception and Sound

*Participants reported better speech understanding and less listening effort with the EHF instrument.*

*Participants described the sound as clearer and lighter.*

*"I can hear sounds again that I haven't heard for years. I can clearly hear and understand better"*

*- G. Geller*

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*"I can hear best in all situations. In particular, in conversation with several people. I simply understand people better. - Dr. H. Friedel*



# results

## High Frequency Feedback

*The study concluded that there was no increased risk for high frequency feedback with the EHF instrument. In individual cases, high frequency feedback could be solved with a reduction of the EHF setting and the additional application of the feedback manager.*

## Final Decision

*At the end of the trial period, all of the study participants chose the Regatta<sup>2</sup> EHF instrument*

From music lovers to inexperienced first-time users, Regatta<sup>2</sup> EHF is most appropriate for those with moderate high-frequency hearing loss as well as moderate to slightly sloping hearing losses.

# Regatta<sup>2</sup> EHF

- Three personalized listening environments can be programmed based upon amplification needs, personal preferences, and predominant listening environments
- Unique OptiFit lifestyle fitting protocol allows the hearing health professional to modify the parameters of the hearing instrument to precisely match the wearer's unique listening environments and daily activities
- Speech Preservation optimizes speech understanding to provide the wearer with a full range of sounds
- Adaptive Directional Microphone option enhances wearer's ability to clearly distinguish speech from noise in environments where noise sources may be changing position
- Available in a range of select models

# invention