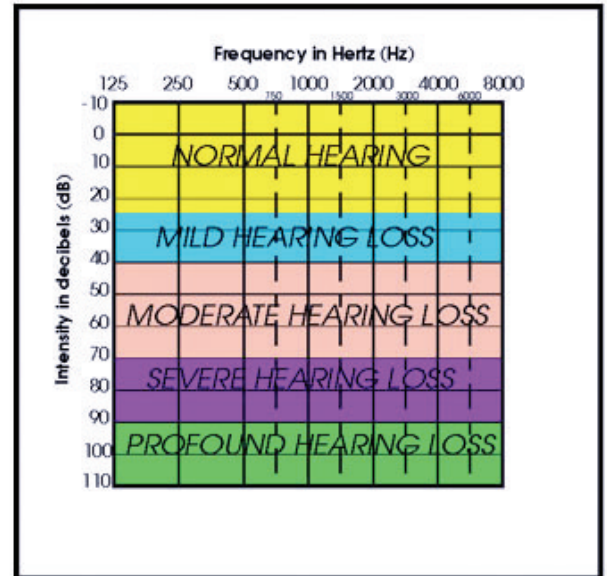


## Technical Data NexEar 200 AFC

Testing of the NexEar 200 AFC (digital signal processing) hearing aid was performed according to American National Standards Institute (ANSI) hearing aid standards (S3.22-2003) and Specifications of Hearing Aid Characteristics.

Test findings confirmed that the hearing aid circuitry in the NexEar 200 AFC is designed to accommodate individuals with mild to moderately severe hearing loss and amplifies sound effectively within the critical speech range.

The following specifications represent the capabilities of the NexEar 200 AFC, measured according to current ANSI specifications.



### ANSI S3.22-2003 Technical Data Elements Nexear 200 AFC

**Volume Control Full On**  
 Max OSPL\* 90 (dB) 102.8 dB +3 dB  
 HF Average OSPL 90 99.3 dB +/- 3dB  
 HF Average full on gain 31.3 dB +/- 5 dB

**Volume at RTP \*\***  
 Average gain @ 50dB 22.3 dB  
 Frequency range 200 HZ - 8000 Hz  
 Total harmonic distortion < 2% + 3%  
 Equivalent input noise 29 dB + 3 dB  
 Battery current drain < 1.0 mA

\*OSPL- Output Sound Pressure Level

\*\*RTP -Reference Test Point

