



Earcon Technologies, Inc.

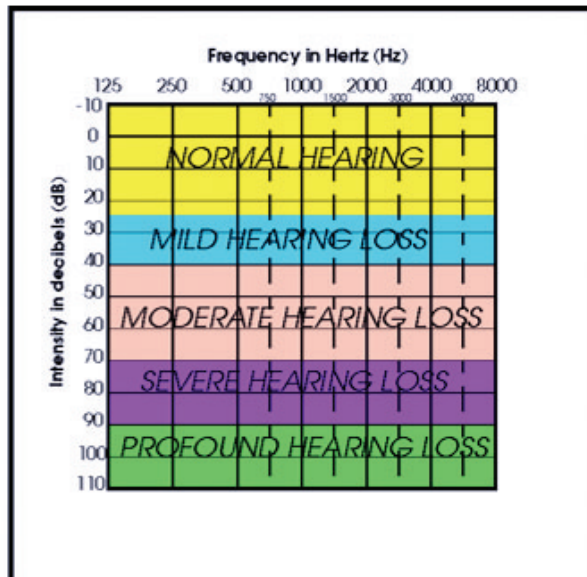
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Technical Data NexEar 500 NR

Testing of the NexEar 500 NR (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 500 NR 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 500 NR, measured according to current ANSI specifications.



ANSI S3.22-2003 Technical Data Elements Nexear 500 NR

Volume Control Full On	
Max OSPL* 90 (dB)	99.8 dB +3 dB
HF Average OSPL 90	96.0 dB +/- 3dB
HF Average full on gain	30.8 dB +/- 5 dB

Volume at RTP **	
Average gain @ 50dB	19.0 dB
Frequency range	200 HZ - 7100 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

