

VoiceBud VB20 Hearing Aids Technical Data Sheet

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Great Sound Made Simple

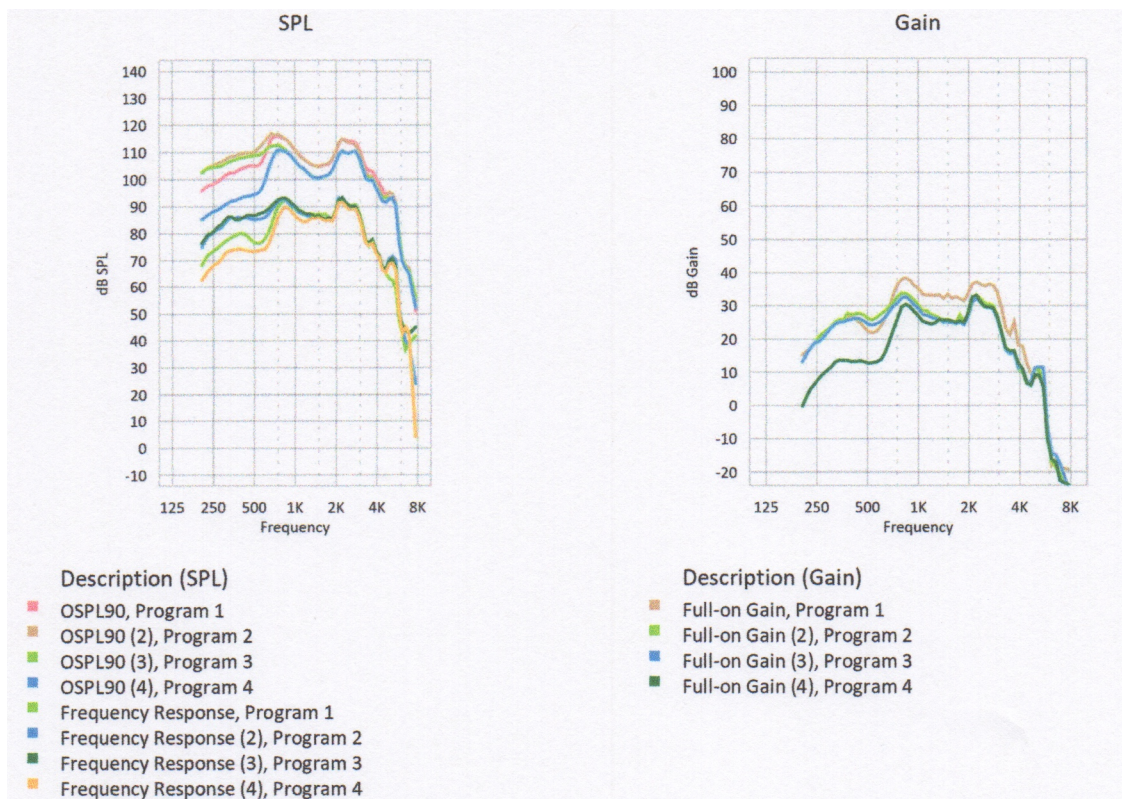
The ZVOX VoiceBud VB20 is an FDA cleared Class One hearing aid designed for people with mild to moderate hearing loss. Unlike other devices in its price category, the VB20 uses a directional dual-microphone system designed to reduce background sounds. It also uses a Bluetooth wireless app to control its four listening modes, volume, bass and treble – and to check battery life.



SPECIFICATIONS

- Frequency response: 200 Hz – 5.7 kHz
- Distortion: Less than 0.5%
- Peak output level: 113 dB
- Full-on Gain (HFA +/-2 dB): Mode 1 34.7 dB; Mode 2 29 dB; Mode 3 28.4 dB; Mode 4 27.7 dB
- Gain: 29 dB
- Front-to-back microphone ratio: 9 dB*
- Input Level: 60 dB
- Battery size: 312
- Battery current (mA): 2.5
- WDRC (Wide Dynamic Range Control): 4 channels, 12 bands

Sound Pressure Level and Gain Output Charts



* To determine the directional microphone performance, a signal is presented at 0° azimuth to hearing aid (at the front microphone). The same signal is presented at 180° azimuth (at the rear microphone). The result is a 9 dB difference between measurements, indicating the directional microphone is performing to specification.