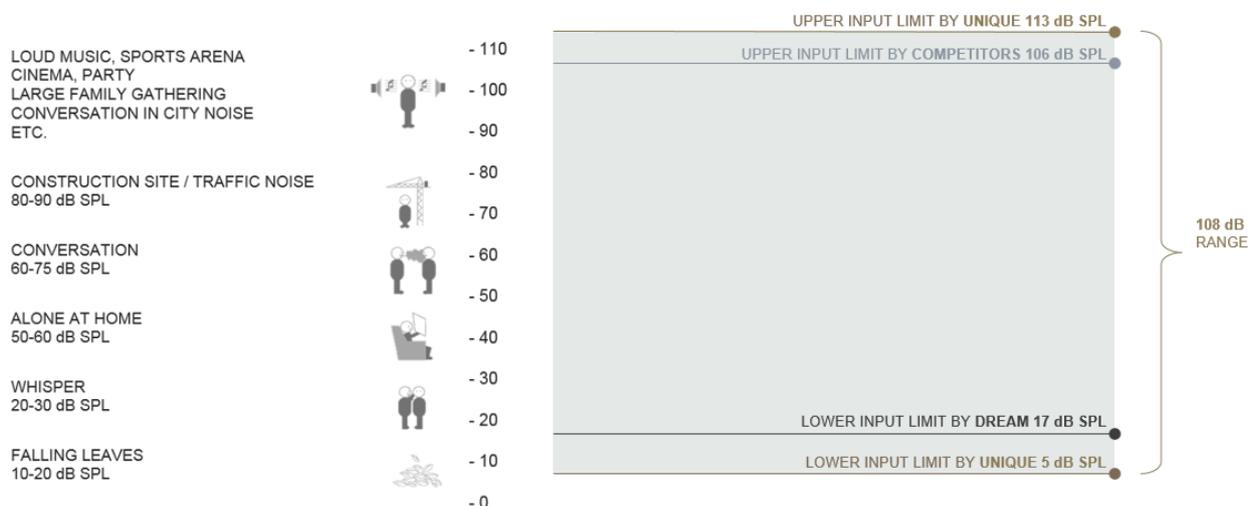


## UNIQUE TRUE-INPUT TECHNOLOGY™

- True-Input Technology in UNIQUE ensures that the hearing aid works optimally in all environments – from very soft to very loud sounds
- The analog-to-digital converter in True-Input Technology has been designed by Widex to meet customers’ expectations of excellent sound quality even in very loud sound environments
- Other comparable hearing aids can process sounds up to 92-106 dB SPL without dampening or clipping the input
- Widex hearing aids with True-Input Technology linearly handle sounds up to an industry-leading 113 dB SPL – offering sound that is true-to-life
- With an industry-leading dynamic range of 108dB, True-Input Technology in UNIQUE preserves soft details in quiet environments.



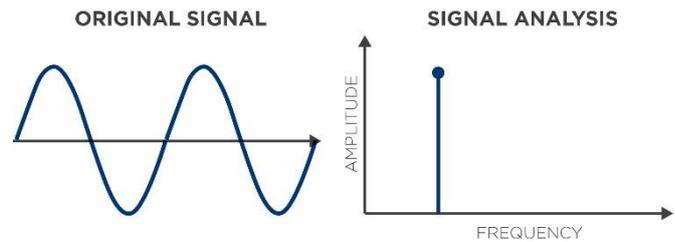
### GOAL



- A hearing aid that works when you need it most – in challenging situations with loud sounds around you
- Excellent sound quality in very loud sound environments, e.g. loud music, parties, walking on busy city streets, etc.
- Excellent speech intelligibility in loud sound environments

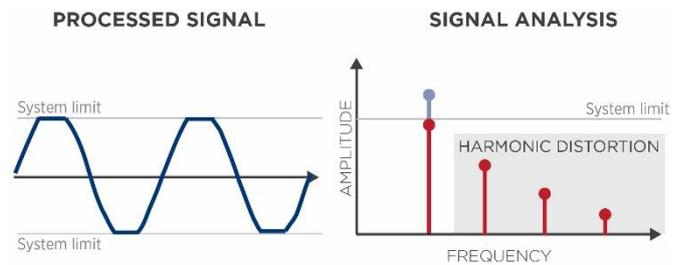
## ORIGINAL INPUT

- A simple pure tone input is illustrated as an example
- The signal analysis shows only one frequency



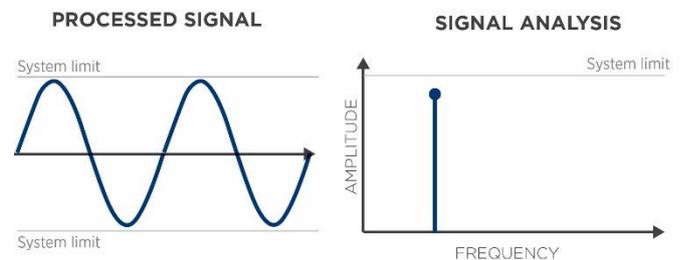
## CONVENTIONAL INPUT HANDLING

- A limited input range causes the signal to be clipped in the A/D converter
- The signal analysis shows a lower amplitude for the signal frequency
- Harmonic distortion is created when the signal is clipped



## TRUE-INPUT TECHNOLOGY™

- The signal is processed without clipping
- The analysis shows only one frequency as the original
- Correctly processed signal offers true-to-life sound



## SOUND QUALITY

- Limited input range in conventional hearing aids causes the signal to be clipped
- With TRUE-INPUT TECHNOLOGY, Widex has been able to increase the input range to an industry-leading 113 dB SPL
- The new and improved Widex proprietary hardware technology offers true-to-life sound quality even in very loud sound environments

## SPEECH INTELLIGIBILITY

- TRUE-INPUT TECHNOLOGY offers the best input for excellent signal processing
- The performance of the HD Locator and the Speech Enhancer is based on analysis of the incoming signal
- The analysis is highly dependent on the quality of the processed signal
- TRUE-INPUT TECHNOLOGY ensures that the quality of the signal is excellent in soft, medium, loud and even very loud sound environments
- The HD Locator and the Speech Enhancer perform optimally even in very loud sound environments