The SIMforall algorithm provides a Speech Intelligibility Measure for a variety of hearing abilities. It provides a for all score of perceived intelligibility for a specified population or for a specific sensorial hearing loss.

**Specifications**

Speech Intelligibility Measure “for all” (based on ISO 60268-16)

- Inputs: reference speech, distorted speech and audiogram or age
- Can use live broadcasted vocal announce to measure intelligibility
- Provide an intelligibility score that is audiogram dependent
- Can be used as an assessment criteria for public address system or hearing aids
- Decrease the testing cost of speech processing algorithms assessment.

**Speech intelligibility**

- 0% to 100% comprehension score:
  - Real time
  - Time average
  - In multiple rooms

**EXTRA MEASURES**

- Noise level
- Noise spectrum
- Reverberation