

PEER-REVIEWED RESEARCH

80% of wearers prefer Signia IX with RealTime Conversation Enhancement in a real-world noisy group conversation

A peer-reviewed study conducted by researchers at Western University showed a significant preference for Signia Integrated Xperience (IX) with RealTime Conversation Enhancement (RTCE) when participants assessed their listening experience in a noisy real-world group conversation.

Twenty participants were fitted with Signia Pure C&G IX and asked to rate two different programs, one with and one without activation of RTCE. They engaged in a group conversation where two researchers acted as conversation partners. The conversation took place in the middle of a busy food court in a mall.

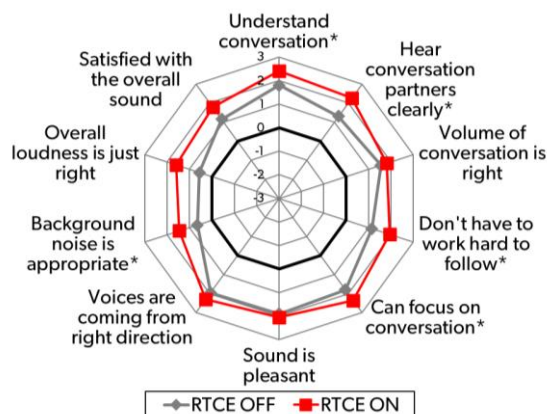


An absolute assessment and a relative (preference) assessment were done, both including ratings on a 7-point Likert-scale.

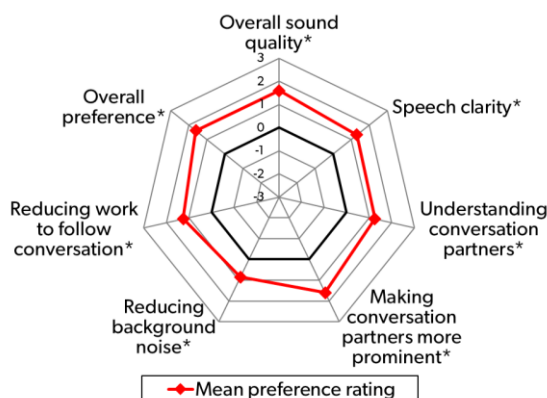
The results, which are presented and discussed in detail in a peer-reviewed article¹ and summarized in a white paper², showed clear benefits of RTCE.

The absolute assessment showed statistically higher mean ratings (marked with *) on five items related to the conversational experience, including speech understanding.

It is also worth noticing that both programs were rated positively (mean rating > 0) on all 10 items.



The preference ratings, done during a direct A-B comparison, showed a preference for RTCE (mean rating > 0) on all seven items included – with **80% of the participants stating an overall preference for RTCE**. That is, the conversational experience was significantly improved by Signia IX with RTCE.



1. Folkeard P, Jensen NS, Kamkar Parsi H, Bilert S & Scollie S. 2024. Hearing at the Mall: Multibeam Processing Technology Improves Hearing Group Conversations in a Real-World Food Court Environment. American Journal of Audiology, 33, 782-792.

2. Jensen NS, Samra B, Kamkar Parsi & Taylor B. 2025. Beyond the lab: Signia IX with RealTime Conversation Enhancement significantly improves real-world busy group conversations. Signia White Paper.

Unleash the Power of Conversation

This study – which included testing in real-world group conversations – adds to the pool of evidence showing that with Signia IX and RealTime Conversation Enhancement, your clients can experience significantly improved access to multiple conversation partners in noise, even if they aren't directly facing them.

Signia IX empowers wearers to keep up with the conversation no matter how busy it gets, empowering them to participate and contribute with ease to unleash the power of conversation!

Access white paper and peer-reviewed paper here:

