QUICKTIP

Frequency Lowering

Frequency Lowering

1. Connect devices to the fitting software. Refer to the **Fitting Protocol QuickTips** for additional information.

2. The presence of green and yellow shaded regions on the frequency response indicates that Frequency Lowering is on.

3. Navigate to **Frequency Lowering**.

Frequency Lowering Defaults

Frequency Lowering defaults on or off based on the patient's audiogram and the Smart Candidacy Criteria. Frequency Lowering always defaults off in pediatric fittings and in the presence of an asymmetrical loss.

Frequency Lowering may be enabled on a per-memory basis:

1. Select the desired program/memory to adjust.

2. Select the **on** or **off radio button** for that program/memory.

Select Display High Frequency Speech Input to enable/disable the feature. Enabling the feature populates a visual representation of the spectral energy in a high-frequency consonant sound /s/ prior to the application of Frequency Lowering.
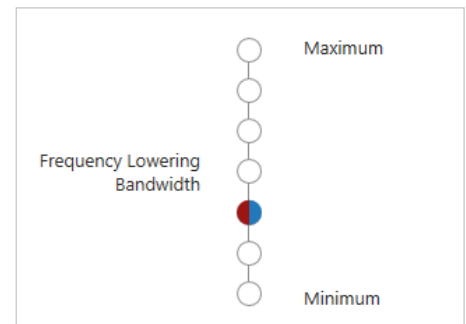
Frequency Lowering Adjustments

Frequency Lowering Gain adjusts the gain of the recreated signal in 1 dB steps to maximize the audibility of high-frequency speech cues. The default ON setting is 3 dB for all hearing losses.

Frequency Lowering Bandwidth adjusts the frequency response of the source (green) and the target (yellow) regions where high-frequency speech cues will be copied and replicated, respectively.
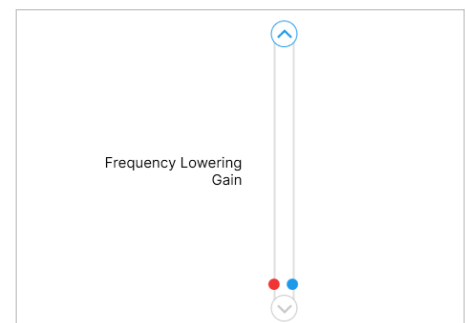
Verification and Troubleshooting

1. Select **Troubleshooting ◎ /Expert Assistant**, then **Frequency Lowering** from the dropdown menu to select a complaint and implement recommended changes.

2. Refer to the *Frequency Lowering Validation QuickTip* to view information on verification and validation of the feature and adjustment suggestions.

Engineered to enhance real-time audibility by identifying high-frequency speech cues and replicating them in a lower-frequency region.

Frequency Lowering Bandwidth

Frequency Lowering Gain