

Description of Additional Supplementary Files

File Name: Supplementary Video 1

Description: This study is accompanied by a video of the patient during the experiment, which showcases examples of synthesized audio for all three communication modalities. For each modality, we present the ongoing high-gamma activity as changing color intensities at the corresponding electrodes in a brain model, in conjunction with the decoded spectrogram and waveform results, synchronized with the synthesized audio playback. The target word for each trial is indicated as the label on the x-Axis of the timeline