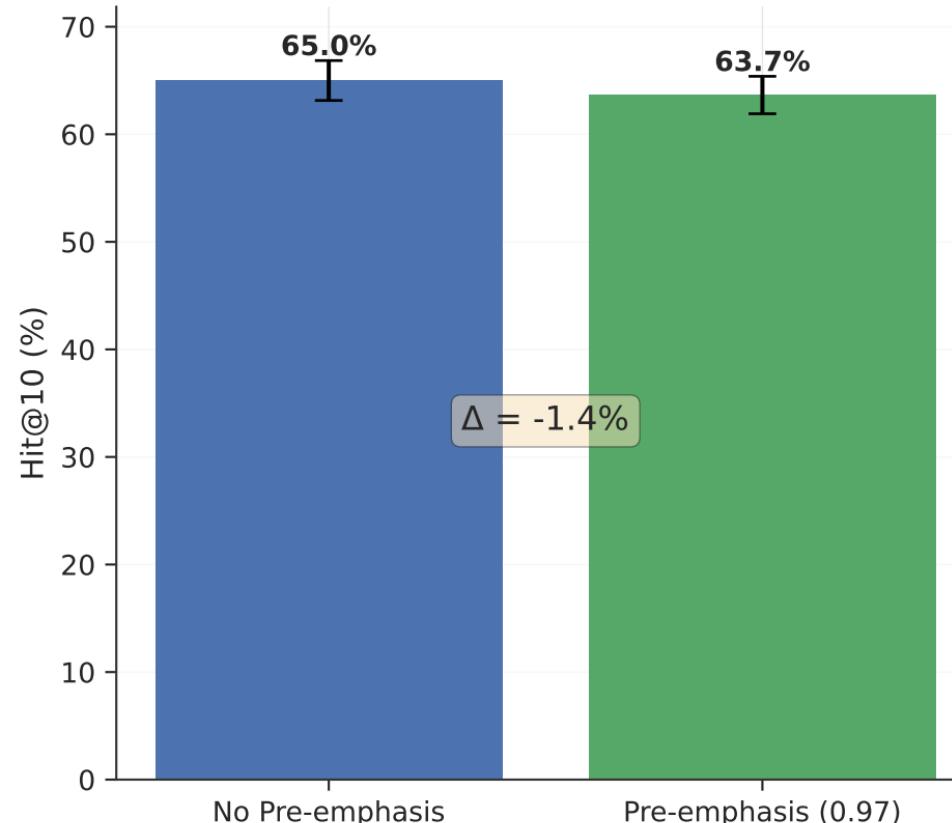
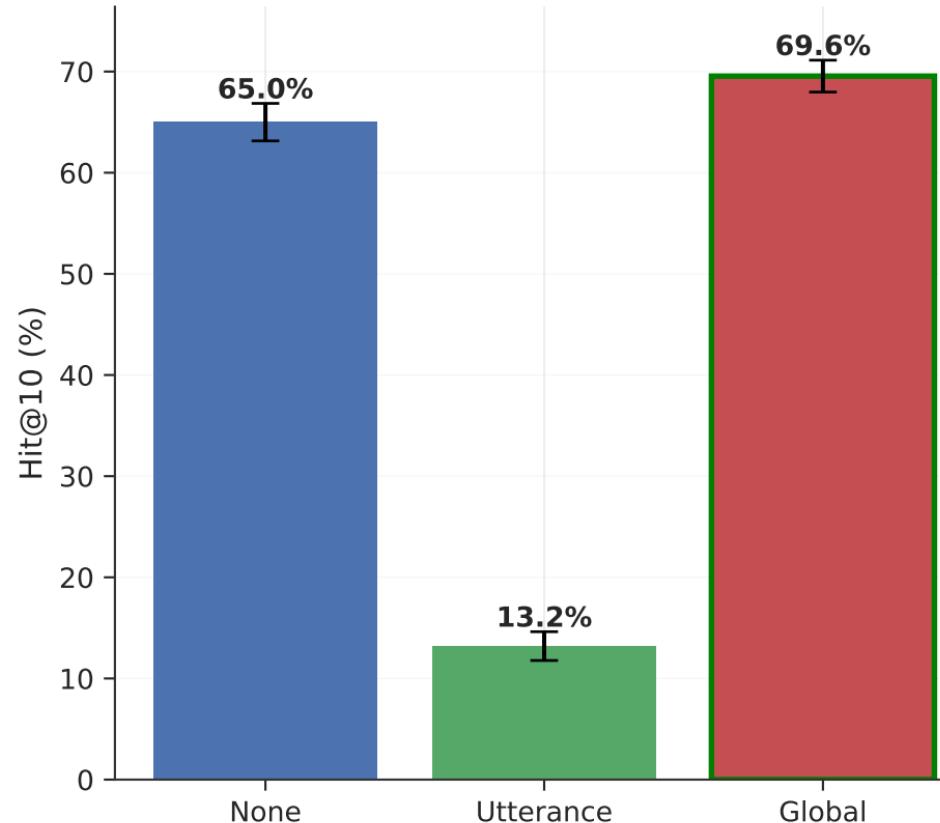


Ablation Studies: Component Impact Analysis

(a) Pre-emphasis Effect



(b) CMVN Mode Comparison



(c) Mel-scale Formula

