Revision Summary

Previously, the reviewer seemed to struggle with understanding the mathematical derivations in our methodology, particularly regarding our use of the KL divergence. To address this, we added a more detailed explanation in the main text and included an additional reference (*"A Distributional Approach to Controlled Text Generation"*, ICLR 2021). We also explicitly referred to Appendix A in the main text, where the detailed derivations are provided, to make it easier for readers to follow the mathematical reasoning.

In addition, we adjusted the placement of some equations and text for better readability and refined the tables to make them cleaner.