Review comments for CL2024-0860

April 2024

Comments to the Author

The manuscript presents several limitations and basic errors that preclude its consideration for publication in its current form. The main concerns are outlined as follows:

Comment 1

The paper lacks adequate novelty compared to reference [7], which appears to serve as the baseline for the current study. A more substantial contribution or a detailed analysis that clearly demonstrates how this work advances beyond the findings presented in [7] is essential to justify its publication.

Comment 2

In Figure 4, the author states that *The least squares based on ideal SS (LSISS), which assumes the channel angles are known and estimates the channel coefficients with the LS, is adopted as the lower bound. is adopted as the benchmark lower bound.* However, it appears that the proposed JSBL method performs even lower MMSE than LSISS when SNR reaches -20dB. Please provide a detailed explanation to clarify it.

Comment 3

There appears to be an error in the explanation to equation 1. Specifically:

$$\boldsymbol{H}_1 \in \mathbb{C}^{N_\mathrm{t} \times N_\mathrm{r}} \tag{1}$$

should be corrected to:

$$\boldsymbol{H}_1 \in \mathbb{C}^{N_\mathrm{r} \times N_\mathrm{t}} \tag{2}$$