

Ann. Geophys. Discuss., referee comment RC2  
<https://doi.org/10.5194/angeo-2021-8-RC2>, 2021  
© Author(s) 2021. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## **Comment on angeo-2021-8**

Anonymous Referee #2

---

Referee comment on "Attenuation of plasmaspheric hiss associated with the enhanced magnetospheric electric field" by Haimeng Li et al., Ann. Geophys. Discuss.,  
<https://doi.org/10.5194/angeo-2021-8-RC2>, 2021

---

The results provide evidence that the observed hiss intensities by both Van Allen Probes are generated by local amplification. The attenuation of the hiss wave intensity, according to the simulation, is likely due to the local variation of energetic electron flux caused by the enhanced magnetospheric electric field, as opposed to propagation effects of chorus waves. The causation is clearly demonstrated. The results reveal the important role of magnetospheric electric field on hiss wave intensity. The paper is well-written and I recommend it for publication as it is.