Editor's Remarks

Dear Authors,

Thank you for the revisions of your manuscript, which I am happy to accept! I have only one minor remaining remark, and that is that I would be glad if you could address one of the reviewer's comments related to Figure 9 (comment 2). Please include the justification for keeping the wheat example in your text as well.

Thanks a lot

Christian Haas

Comment 2 from reviewer:

Fig. 9 and related text: Rather than an example for wheat (which is usually harvested many weeks before the first snowfall) the readership of a review paper on snow remote sensing techniques would expect reference or discussion on the impact of vegetation as prevalent during the snow cover season.

In line 488 (page 18), we have added the justification for keeping the wheat example as: "The example of wheat is shown to illustrate that RTE/DBA underestimates the transmission through vegetation and has a higher frequency dependence when compared to the hybrid method as shown in Gu et al., 2021, 2022. There are not many new published results using NMM3D for different types of vegetation to be shown in this review paper. However, there has been tremendous improvement recently in computational EM efficiency and we expect new NMM3D results in near future."