Solid Earth Discuss.,
https://doi.org/10.5194/se-2018-48-RC2, 2018
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Interactive comment on "Second-order Scalar Wave Field Modeling with First-order Perfectly Matched Layer" *by* Xiaoyu Zhang et al.

Anonymous Referee #2

Received and published: 27 August 2018

The manuscript is very good as a whole. It proposes a efficient and useful method for seismic modeling. The language is nice and clear.

Detailed suggestions and questions are in the Supplement. Briefly, several aspects need attention:

(1) Some statements need to be less stronger, otherwise additional examples are needed

(2) Explanation of figures should be more detailed, especially in the caption

(3) Some figures should be plotted more clearly to support conclusion

Please also note the supplement to this comment:

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Discussion paper

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https://www.solid-earth-discuss.net/se-2018-48/se-2018-48-RC2-supplement.pdf

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