

Review of: "Designing and modeling microwave photonic spectral filters based on optical microcombs"

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Potential competing interests: No potential competing interests to declare.

I have read the article. I found the article well-formatted, presented, and the results/analysis is technical sound. However, I suggest few minor comments that must be added in the revised paper. There are as follows

1-Please discuss 10-15 latest studies related to microwave-photonics filters in first section of the paper as literature review. I suggest to add few of latest studies such as:

(a) Umar, Faizan, Jawad Mirza, and Salman Ghafoor. "Microwave photonic filtering based on optical carrier suppression modulation." *Microwave and Optical Technology Letters* 62, no. 1 (2020): 60-66.

(b) Mirza, Jawad, Ahmad Atieh, Abdulah J. Aljohani, and Salman Ghafoor. "Design and optimization of a microwave photonic filter exploiting differential mode group delay of a multi-mode fiber." *Optical Review* 28 (2021): 199-206.

2-Add a table and discuss various pros/ cons of past studies and then compare the proposed work with past studies that were discussed in literature review.