

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.

The manuscript proposed the detailed analysis for the performance of microcomb-based MWP spectral filters achieved by employing a transversal filter approach. The analysis as well as the parametric study are given in detail. I have some comments:

1. It is better to add another table that list the performance comparison of the proposed design and state-of-art designs, thus can highlight the advantages.
2. The influence of different performances are given, I suggest to add the design procedure to guide the design.
3. Why the parameters shows more influence on the HPF, such as Fig.5 and Fig. 8.