

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

Mandeep Singh<sup>1</sup>

<sup>1</sup> National Institute of Technology Karnataka

**Potential competing interests:** No potential competing interests to declare.

In this work, a comprehensive performance analysis for microcomb-based MWP spectral filters based on the transversal filter approach is presented. The results are promising and good as compared to previously reported results. Some minor comments are required to be addressed before the acceptance of the manuscript:

1. In the introduction section, the authors must add a few latest references related to mm-wave generation.
2. The authors must mention the reference paper for Eq, 3 & 7.
3. More content is required for Fig 3.
4. In section-3, the model number of laser source, MZM must be written in the revised paper.
5. The authors must compare the proposed scheme with the previously reported schemes.