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Dwi Astuti Cahyasiwi <dwi.cahyasiwi@uhamka.ac.id>

International Journal of Microwave and Wireless Technologies - Decision on MRF-2025-0551

2 messages

International Journal of Microwave and Wireless Technologies <onbehalfof@manuscriptcentral.com>
Reply-To: marco.pasian@unipv.it
To: dwi.cahyasiwi@uhamka.ac.id, d.a.cahyasiwi@gmail.com
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Fri, Jan 16, 2026 at 4:45 PM

16-Jan-2026

Dear Dr. Cahyasiwi:

Manuscript ID MRF-2025-0551 entitled "A Wide Axial Ratio Bandwidth Circularly Polarized Filtering Antenna Using Two Quarter Wavelength Resonators and a Single Feedline" which you submitted to the International Journal of Microwave and Wireless Technologies, has been reviewed. The comments of the reviewer(s) are included at the bottom of this letter.

The reviewer(s) and Associate Editor have recommended publication, but also suggest some minor revisions to your manuscript. Therefore, I invite you to respond to the reviewer(s)' comments and revise your manuscript.

To revise your manuscript, log into https://mc.manuscriptcentral.com/mrf and enter your Author Center, where you will find your manuscript title listed under "Manuscripts with Decisions." Under "Actions," click on "Create a Revision." Your manuscript number has been appended to denote a revision.

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You will be unable to make your revisions on the originally submitted version of the manuscript. Instead, revise your manuscript using a word processing program and save it on your computer. Please also highlight the changes to your manuscript within the document by using the track changes mode in MS Word or by using bold or colored text.

Once the revised manuscript is prepared, you can upload it and submit it through your Author Center.

In order to expedite the processing of the revised manuscript, when submitting your revised manuscript, please include a letter responding to the reviewers comments. Please clearly indicate the changes you have made to your revised manuscript and please be as specific as possible in your response to the reviewer.

Please note - the submission and peer review process is limited to two revisions. At the stage of a second revision the editor will make a final decision on whether to accept or reject the paper.
We therefore remind you to address fully all comments made by the reviewers, and to amend your submission accordingly.

IMPORTANT: Your original files are available to you when you upload your revised manuscript. Please delete any redundant files before completing the submission.

Because we are trying to facilitate timely publication of manuscripts submitted to the International Journal of Microwave and Wireless Technologies, your revised manuscript should be uploaded by 31-Jan-2026. If it is not possible for you to submit your revision by the due date, then can you please contact the editorial office at mrfadmin@cambridge.org.

Once again, thank you for submitting your manuscript to the International Journal of Microwave and Wireless Technologies and I look forward to receiving your revision.

Sincerely,

Prof. Marco Pasian
Editor-in-Chief, International Journal of Microwave and Wireless Technologies
marco.pasian@unipv.it

Associate Editor: Stanley, Manoj
Comments to the Author:
Thank you for submitting your manuscript to the International Journal of Microwave and Wireless Technologies. After careful consideration of the reviewers' comments and the editorial assessment, I am pleased to inform you that your paper has been accepted subject to minor revisions.

Please address all the points raised by the reviewers in their feedback and upload the revised version of your manuscript along with a detailed response to the reviewers' comments. This will help us ensure that the final version meets the journal's standards.

Reviewer: 1

Comments to the Author
I suggest some comments in eachsection.
Introduction Changes
- Add: "In CP dielectric resonator MIMO antennas, mutual coupling reduction techniques such as tailored feeds and defected ground structures have been shown to maintain circular polarization and high port isolation in compact arrays [Iqbal et al., 2019]."
- Technical reason: This citation addresses mutual coupling suppression in circularly polarized DRA MIMO antennas using decoupling methods that preserve axial ratio performance, providing a key reference for extending the proposed single-feed CP filtering design to multi-element MIMO systems where isolation is critical for array efficiency and channel capacity.

Section II Changes

- Clarify in II.C (Coupled Resonators): "The two coupled quarter-wavelength resonators yield a higher-order response with steeper roll-off compared to single-resonator designs, enabling better selectivity for potential MIMO integration."
- In II.D (Phase Shifter): Add: "The CB-tuned 90° phase shift simplifies CP generation without external circuits, advantageous for scalable array designs."
Section III Changes

- In III.A (Parametric Study): Append to Fig. 7 discussion: "These optimizations ensure stable AR across the band,suitable for MIMO where element proximity demands consistent polarization."
- In III.B (Measurement): Add to Table 1 comparison: "The proposed design's single-feed simplicity outperforms multi-layer CP filtering antennas in ARBW, with potential for array scaling via decoupling."

Section IV Changes

- Expand conclusion: "Future work could integrate decoupling structures to realize CP MIMO filtering arrays with enhanced isolation."

Reviewer: 2

Comments to the Author
The authors presented their work on "A Wide Axial Ratio Bandwidth Circularly Polarized Filtering Antenna Using Two Quarter Wavelength Resonators and a Single Feedline," which appears to be intriguing and significant. The manuscript is well written, and they had covered all the aspects, right from explaining the theoretical insights to experimental validation from a conceptual perspective.

However, I believe the manuscript needs a few corrections:

a. The comparison table needs to include some recent state-of-the-art literature in chronological order (mention the year in the corresponding references).
b. Highlight the pros and cons of the proposed design in bulleted form over the ones reported earlier.
c. Do include additional insights regarding its novelty and application usage, which can benefit the upcoming readers in this particular field of interest.

So, these are the corrections that the authors need to make. Otherwise, the rest of the paper looks good to me.

Dwi Astuti Cahyasiwi <dwi.cahyasiwi@uhamka.ac.id> Sat, Jan 17, 2026 at 12:41 PM
To: Dian Widiastuti <dian.widiastuti@mercubuana.ac.id>, Yus Natali <yusnatali@gmail.com>

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