

**Review Form 3**

Journal Name:	<b>Current Journal of Applied Science and Technology</b>
Manuscript Number:	<b>Ms_CJAST_123537</b>
Title of the Manuscript:	<b>Design and Optimization of Microstrip Antenna for 5G Wireless Applications using Genetic Algorithm</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	There are some grammatical problem introduction and conclusion.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	There are some grammatical problem introduction and conclusion. Please mention your research work.	
Are subsections and structure of the manuscript appropriate?	Yes, this is good.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	That is good. The words I, We, or they can never be put on paper these words are found in the said paper. Please describe Return loss, VSWR, Gain, Radiation Pattern, and Bandwidth. Mentioned with figure Impedance matching test, and Surface current. The literature recent cited is missing from this paper. Please compared the previously published works with your work and proved that your work is better than previously published works.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	<p>The recent paper is missing in literature review. If possible added these papers to your manuscript. It's very helpful for manuscript.</p> <ol style="list-style-type: none"> <li>1. "At 28 GHz Microstrip Patch Antenna for Wireless Applications: A Review," <i>TELKOMNIKA Telecommunication Computing Electronics and Control (TELKOMNIKA)</i>, pp.251-262 Vol.22(2), April 2024. <a href="http://doi.org/10.12928/telkomnika.v22i2.25114">http://doi.org/10.12928/telkomnika.v22i2.25114</a>.</li> <li>2. Design of 28 GHz Microstrip Patch Antenna for Wireless Applications. <i>Indonesian Journal of Electrical Engineering and Informatics (IJEI)</i>, 11(4), 967–977, 2023. <a href="https://doi.org/10.52549/ijeie.v11i4.4942M.S">https://doi.org/10.52549/ijeie.v11i4.4942M.S</a>.</li> <li>3. "Design and analysis of microstrip patch antenna for 5G wireless communication systems," <i>Bull. Electr. Eng. Informatics</i>, vol. 11, no. 6, pp. 3329–3337, Dec. 2022, doi: 10.11591/eei.v11i6.3955.</li> <li>4. "Microstrip patch antennas for various applications: a review," <i>Indones. J. Electr. Eng. Comput. Sci.</i>, vol. 29, no. 3, p. 1511, Mar. 2023, doi: 10.11591/ijeecs.v29.i3.pp1511-1519.</li> <li>5. "Design and Analysis of A Ka Band Microstrip Slotted Patch Antenna with 5G Communication Technology Using CST," <i>2022 IEEE 3<sup>rd</sup> Global Conference for Advancement in Technology (GCAT)</i>, 2022, pp. 1-4, doi: <a href="https://doi.org/10.1109/gcat55367.2022.9972008">https://doi.org/10.1109/gcat55367.2022.9972008</a>.</li> <li>6. "Study of Microstrip Patch Antenna for Wireless Communication System," <i>International Conference for Advancement in Technology (ICONAT)</i>, 2022, pp. 1-4, doi: <a href="https://doi.org/10.1109/iconat53423.2022.9726110">https://doi.org/10.1109/iconat53423.2022.9726110</a></li> </ol>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	<b>Plagiarism</b> is high, its 41%, please below 20%. There are some grammatical problem introduction and conclusion. Please correction.	
Optional/General comments	No.	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in detail)</i> No	

### Reviewer Details:

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