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| Book Name: | **Design and simulation of GHz antennas** |
| Manuscript Number: | **Ms\_BPR\_3848.2** |
| Title of the Manuscript: | **Multi-Band Rectangular Two Element and Slotted antennas for MIMO** |
| Type of the Article | **Book chapter** |

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| PART 1: Review Comments | | |
| Compulsory REVISION comments | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **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.** | It addresses key challenges in improving data rates, signal quality, and spectrum efficiency through innovative multi-band and slotted antenna structures. This research is valuable for optimizing MIMO systems, making it highly relevant for future wireless network developments. |  |
| **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. | **The abstract of the article is generally comprehensive, as it provides a clear overview of the antenna designs, operating frequencies, and performance improvements.** |  |
| **Are subsections and structure of the manuscript appropriate?** | **Yes** |  |
| **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.** | The authors employ well-established techniques, such as the use of multi-band operation, slotting for frequency tuning, and Quarter Wavelength Transformer (QWT) feeding for impedance matching, all of which are crucial for improving antenna efficiency and reducing reflections. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | Yes. However , the references below may be useful  Y. F. Azeez and P. R. Young, "Slotted substrate integrated waveguide antenna," *12th European Conference on Antennas and Propagation (EuCAP 2018)*, London, UK, 2018, pp. 1-4, doi: 10.1049/cp.2018.1042.  Y. F. Azeez and P. R. Young, "Slotted substrate integrated waveguide antenna," *12th European Conference on Antennas and Propagation (EuCAP 2018)*, London, UK, 2018, pp. 1-4, doi: 10.1049/cp.2018.1042. |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | Yes. But there are some grammatical errors |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Yasameen Fawzi Azeez** |
| Department, University & Country | **AL-Farabi University College, Iraq** |