# Author’s Response to the Review Comments

***Journal* :Jurnal Elektronika dan Telekomunikasi**

*Title of Paper* :Excitation Analysis on Rectangular Waveguide Transverse Electric Mode and its Implementation in Filter Band Pass

We appreciate the time and efforts by the editor and referees in reviewing this manuscript. We have addressed all issues indicated in the review report, and believed that the revised version can meet the journal publication requirements. We have included the line numbers in the revised manuscript to help the reviewers identify our changes.

| **Comment** | **Response** | **Location of Response in Revised Manuscript** |
| --- | --- | --- |
| **EDITOR’S COMMENTS** |  |  |
|  |  |  |
| **REVIEWER 1 COMMENTS** |  |  |
| What are your considerations using this kind of filter ? what are the benefits ? elaborate refer to previous works ! | the research wanted to performed a filter using rectangular waveguide to improve filter respond by modifying the distance between excitaton point on a TEmn rectangular waveguide mode to determine the maximum electric field position and improving the return loss and insertion loss value from the transmition process in frequency range at 3.3 3.5 GHz. The design and implementation done by observing changes that occur in the frequency of cut-off, return loss, and insertion loss by observing the effect of distance between connectors separated simetrically from the center of waveguide.  | The revision was made |
| Put the mentioned dimension information into the figure | We have revised the figure based on this recommendation. | The revision was made at Section figure 2 and 3 |
| Which direction ? lateral ? azimuth ? horizontal ? vertical ? put appropriate information into the figure. | From figure 2 and 3, X axis indicated with green line and the direction of wave propagation (+ x) while y axis (red line) and z axis (blue line) was the direction of magnetic and electric field respectively. | Expanation was added into the paragraph below figure 2 and 3 |
| How do you calculate TE mode frequency for this waveguide ? give your quantitative explanation ! | $$fc=\frac{c}{2π} (\frac{mπ}{a}+\frac{nπ}{b})$$From eq. 2.1, m and n was the orde of TE modes also a and b was the dimension of width adn heighth of waveguide respectvely | The revision was made |
| Unclear picture  | We have revised the figure based on this recommendation | The revision was made see section figure 23 - 26 |
| Which one ? Give the summary on a table comparison ! | We have made the comparison table based on this recommendation | See section table 1 |
| **REVIEWER 2 COMMENTS** |  |  |
| Please add some statement in introduction to show that your work hasnovelty and contribution in scientific and engineering aspect | We have revised the table based on this recommendation. | See section introduction |
| The English should be checked again and improve the quality | We have revised based on this recommendation. |  |
| Please, make clear the research activity and the purpose in the paper(introduction) | We have revised the table based on this recommendation. | See section introduction |
| Several symbols should be modified using subcript type us as TEmn wherethe mn using subscript | We have revised the tabased on this recommendation. |  |