

Review of: "Investigations on Input Impedance and Radiation Pattern of a UWB Antenna for Microwave Imaging"

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Potential competing interests: No potential competing interests to declare.

Dear Author

After going through your paper, I have the following reservations:

1. The design of reference antennas 1 and 2 is not shown, so it is difficult to compare your proposed design.
2. The application of microwave imaging is not detailed in the paper.
3. The novelty of the work cannot be judged as all the references are very old. As per my knowledge, better UWB antennas have already been designed with less complex structures.
4. Very little mathematical support is given. The role of slots, their positioning, and dimensions must also be mathematically supported.
5. The concept of the reflector to generate circular polarisation was good.
6. The experimental part should also be narrated in more detail. The explanations of simulated and measured results should be clearly shown in tabular as well as graphical form.
7. The specific application of the antenna designed must be narrated so that it throws light on the commercial development of the antenna, and its impact on society must also be shown.
8. My view of the paper is to modify as suggested and resubmit.

Thanks

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